



FINAL REPORT

CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS

VOLUME IV

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16. Abstract (Limit: 200 words) Data tabulations for a carcinogenic bioassay of condensed effluents from iron foundry casting operations that used hamsters as the test species are presented. In that study, Syrian-golden-hamsters were administered effluents from shell sand, green sand, furan (110009), or urethane (51796) casting molds by intratracheal instillation once a week for 18 weeks. The concentrations were 5 or 10 milligrams (mg) effluent in 0.2 milliliter distilled water, except for effluents from the urethane mold which were administered in amounts of 2.5 or 5.0mg. The animals were maintained until 98 percent mortality occurred or until week 103 or 117. None of the effluents were found to be carcinogenic at the concentrations used. An individual mortality inventory for each animal was calculated. Data for a survival analysis using the Kaplan Meier product limit method was tabulated. Data tables of individual and mean body weights of males for weeks 1 through 111 and females for weeks 11 through 102 were prepared. Data for the statistical analysis of body weight changes of males and females were also tabulated.				
17. Document Analysis a. Descriptors <i>dis.</i> b. Identifiers/Open-Ended Terms NIOSH-Publication, NIOSH-Contract, Pharmacodynamics, Lung-fibrosis, Data-processing, Iron-oxide-fumes, Toxicology, Equipment-design, Quantitative-analysis, Iron-working-industry, Pyrolysis, Contract-210-78-0033 c. COSATI Field/Group				
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APPENDIX 1
INDIVIDUAL MORTALITY INVENTORY

EXPLANATION OF SUPERSSCRIPTS

- ^aType of Death: FD = Found Dead
MS = Moribund Sacrifice
TS = Terminal Sacrifice
E = Escaped (eliminated from study)
- ^bTissues inadvertently lost during processing; animal eliminated from study.
- ^cMis-sexed; animal eliminated from study.
- ^dAnimal selected for complete histopathologic evaluation; a limited number of tissues were examined from all other animals.

KEY TO GROUP IDENTIFICATION

<u>GROUP NUMBER</u>	<u>TREATMENT</u>	<u>DOSE LEVEL (mg/0.2 ml distilled water)</u>
1	Vehicle Control	--
2	Ferric Oxide Control (Fe_2O_3 + Vehicle)	3.0
3	Positive Control (BaP + Fe_2O_3)	3.0 + 3.0
4	Shell Sand	5.0
5	Shell Sand	10.0
6	Green Sand	5.0
7	Green Sand	10.0
8	Furan	5.0
9	Furan	10.0
10	Urethane	2.5
11	Urethane	5.0

APPENDIX 1
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF		ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF	
			DEATH		DEATH					DEATH		DEATH	
18600	1M	FD	04-14-82		52		18618	1M	FD	01-01-83		89	
18601	1M	FD	06-18-82		61		18619	1M	FD	09-10-82		73	
18602	1M	FD	10-08-82		77		18620	1M	FD	02-10-83		95	
18603 ^d	1M	FD	02-23-83		97		18621 ^d	1M	MS	04-22-83		105	
18604	1M	FD	11-05-82		81		18622	1M	FD	04-25-82		53	
18605 ^d	1M	FD	02-16-83		96		18623	1M	FD	07-22-82		66	
18606 ^d	1M	FD	06-02-83		111		18624	1M	FD	07-19-82		66	
18607	1M	FD	06-10-82		60		18625	1M	E	02-12-82		43	
18608 ^d	1M	FD	06-10-83		112		18626	1M	FD	11-08-82		82	
18609	1M	FD	01-04-82		38		18627 ^b	1M	FD	01-04-82		38	
18610	1M	FD	12-20-82		88		18628 ^b	1M	FD	02-23-83		97	
18611	1M	FD	02-03-83		94		18629	1M	FD	12-21-82		88	
18612	1M	FD	08-03-82		68		18630 ^d	1M	FD	02-14-83		96	
18613	1M	FD	10-28-82		80		18631	1M	FD	03-28-82		49	
18614	1M	FD	07-16-82		65		18632 ^d	1M	TS	07-15-83		117	
18615	1M	FD	12-20-82		88		18633	1M	FD	04-25-82		53	
18616 ^d	1M	TS	07-15-83		117		18634	1M	FD	11-09-82		82	
18617	1M	FD	02-05-83		94		18635	1M	FD	04-11-82		51	

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH						DEATH		
18636	1M	FD	11-11-82		82	18653	1F	FD	09-20-82		75
18637	1M	FD	12-12-82		86	18654	1F	FD	12-25-81		36
18638	1M	FD	11-10-82		82	18655	1F	FD	09-14-82		74
18639	1M	FD	04-22-82		53	18656 ^d	1F	FD	12-25-82		88
18640	1M	FD	04-05-82		51	18657	1F	FD	11-21-82		83
18641	1M	FD	02-08-83		95	18658	1F	FD	04-26-82		54
18642	1M	FD	06-17-82		61	18659	1F	FD	08-23-82		71
18643	1M	FD	02-14-82		43	18660	1F	FD	10-04-82		77
18644 ^d	1M	TS	07-15-83		117	18661 ^d	1F	FD	01-24-83		93
18645 ^d	1M	FD	04-18-83		105	18662 ^d	1F	FD	12-10-82		86
18646	1M	FD	10-31-82		80	18663	1F	FD	03-11-82		47
18647	1M	MS	10-04-82		77	18664 ^d	1F	FD	07-15-82		65
18648	1M	FD	05-07-82		55	18665 ^d	1F	FD	11-29-82		85
18649	1M	FD	09-25-81		23	18666 ^d	1F	FD	08-01-82		67
						18667 ^d	1F	FD	02-13-83		95
						18668	1F	FD	10-14-82		78
18650	1F	FD	10-23-82		79	18669	1F	FD	01-26-82		41
18651	1F	FD	05-10-82		56	18670	1F	FD	04-02-82		50
18652	1F	FD	11-01-82		81	18671	1F	FD	10-02-82		76

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
18672	1F	FD	06-16-82	61	18691	1F	FD	08-25-82	71
18673 ^d	1F	TS	04-06-83	103	18692 ^d	1F	TS	04-06-83	103
18674	1F	FD	06-11-82	60	18693	1F	FD	10-07-82	77
18675	1F	MS	06-15-82	61	18694	1F	FD	09-12-82	73
18676	1F	FD	09-21-82	75	18695	1F	FD	12-11-81	34
18677	1F	FD	10-18-82	79	18696	1F	FD	07-20-82	66
18678	1F	FD	10-30-82	80	18697 ^d	1F	FD	01-21-83	92
18679	1F	MS	09-23-82	75	18698	1F	FD	11-29-82	85
18680	1F	FD	06-08-82	60	18699	1F	FD	10-01-82	76
18681 ^c	1F	FD	12-19-82	35					
18682	1F	FD	06-16-82	61	18700 ^d	2M	TS	07-15-83	117
18683 ^d	1F	FD	02-04-83	94	18701	2M	FD	12-14-82	87
18684	1F	FD	08-31-82	72	18702	2M	FD	08-13-81	17
18685	1F	FD	07-04-82	63	18703	2M	FD	01-16-83	91
18686 ^d	1F	FD	01-04-83	90	18704	2M	FD	09-23-82	75
18687	1F	FD	09-24-82	75	18705	2M	FD	11-03-82	81
18688	1F	FD	09-04-82	72	18706 ^d	2M	TS	07-15-83	117
18689	1F	FD	06-23-82	62	18707	2M	FD	10-30-81	28
18690 ^c	1F	FD	06-16-82	61					

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
18708	2M	MS	06-17-82	61	18728	2M	FD	01-02-83	89
18709 ^d	2M	MS	06-03-83	111	18729	2M	FD	02-09-83	95
18710	2M	FD	12-22-82	88	18730	2M	FD	12-14-82	87
18711	2M	FD	04-06-82	51	18731	2M	FD	08-26-82	71
18712	2M	FD	02-01-83	94	18732	2M	FD	03-23-83	101
18713 ^d	2M	TS	07-15-83	117	18733	2M	FD	02-09-83	95
18714	2M	FD	06-28-82	63	18734	2M	FD	12-08-82	86
18715 ^d	2M	TS	07-15-83	117	18735	2M	FD	12-21-82	88
18716	2M	FD	02-26-83	97	18736	2M	FD	03-08-83	99
18717 ^d	2M	FD	04-19-83	105	18737	2M	FD	09-09-82	73
18718	2M	FD	12-17-82	87	18738	2M	FD	01-25-83	93
18719	2M	FD	10-13-82	78	18739	2M	FD	12-13-82	87
18720	2M	FD	08-09-82	69	18740	2M	FD	12-07-81	34
18721 ^d	2M	MS	04-07-83	103	18741 ^d	2M	TS	07-15-83	117
18722	2M	FD	12-16-82	87	18742	2M	FD	08-24-82	71
18723 ^d	2M	TS	07-15-83	117	18743	2M	FD	10-02-81	24
18724	2M	FD	01-20-83	92	18744	2M	FD	07-07-82	64
18725	2M	FD	06-14-82	61	18745	2M	FD	10-26-82	80
18726 ^d	2M	MS	06-08-83	112	18746	2M	FD	10-22-82	79
18727	2M	FD	02-10-83	95					

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
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IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH						DEATH		
18747	2M	FD	07-14-81		13	18764 ^d	2F	TS	04-06-83		103
18748	2M	FD	01-03-83		90	18765	2F	FD	03-29-82		50
18749	2M	FD	12-12-81		34	18766	2F	FD	04-22-82		53
						18767	2F	FD	08-06-82		68
						18768	2F	FD	12-02-82		85
18750	2F	FD	07-03-82		63	18769	2F	FD	11-05-82		81
18751	2F	FD	09-12-81		21	18770	2F	FD	05-24-82		58
18752	2F	FD	09-02-82		72	18771	2F	FD	06-30-82		63
18753	2F	FD	06-22-82		62	18772	2F	FD	08-31-82		72
18754 ^d	2F	FD	02-02-83		94	18773 ^d	2F	TS	04-06-83		103
18755	2F	FD	04-15-82		52	18774	2F	FD	08-22-82		70
18756 ^d	2F	FD	01-27-83		93	18775	2F	FD	04-13-82		52
18757	2F	FD	11-16-82		83	18776	2F	FD	01-20-83		92
18758	2F	FD	08-06-82		68	18777	2F	FD	11-29-82		85
18759	2F	FD	04-27-82		54	18778	2F	FD	11-23-82		84
18760	2F	FD	12-21-81		36	18779	2F	FD	06-14-82		61
18761	2F	FD	11-26-82		84	18780	2F	FD	08-29-82		71
18762	2F	FD	09-03-82		72	18781 ^d	2F	FD	03-29-83		102
18763 ^d	2F	TS	04-06-83		103	18782	2F	FD	03-27-82		49

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
18783	2F	FD	08-07-82	68	18800	3M	FD	12-28-81	37
18784 ^d	2F	FD	01-19-83	92	18801	3M	FD	12-23-81	36
18785	2F	FD	03-07-82	46	18802	3M	FD	07-20-81	14
18786 ^d	2F	TS	04-06-83	103	18803 ^d	3M	FD	07-14-82	65
18787	2F	FD	04-11-82	51	18804	3M	FD	01-13-82	39
18788	2F	FD	11-02-82	81	18805	3M	FD	11-09-81	30
18789	2F	FD	03-07-82	46	18806	3M	FD	03-04-82	46
18790	2F	FD	10-15-82	78	18807	3M	FD	10-26-81	28
18791 ^d	2F	FD	02-06-83	94	18808	3M	FD	05-23-82	57
18792 ^d	2F	FD	02-02-83	94	18809	3M	FD	01-26-82	41
18793	2F	FD	09-18-81	22	18810	3M	FD	07-30-81	15
18794	2F	FD	07-11-82	64	18811	3M	FD	04-29-82	54
18795	2F	FD	05-17-82	57	18812	3M	FD	03-28-82	49
18796	2F	FD	08-02-82	68	18813	3M	FD	08-10-81	17
18797	2F	FD	08-14-82	69	18814	3M	FD	09-17-81	22
18798	2F	FD	11-17-82	83	18815	3M	FD	02-17-82	44
18799	2F	FD	11-08-82	82	18816	3M	FD	12-10-81	34
					18817 ^d	3M	FD	03-16-82	48
					18818 ^d	3M	FD	07-19-82	66

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
18819	3M	FD	02-24-82	45	18838	3M	FD	06-06-82	59
18820	3M	FD	10-27-81	28	18839 ^c	3M	MS	09-22-82	75
18821	3M	FD	07-09-81	12	18840	3M	FD	02-04-82	42
18822 ^d	3M	FD	10-07-82	77	18841	3M	FD	12-08-81	34
18823	3M	FD	10-23-81	27	18842	3M	FD	03-20-82	48
18824	3M	FD	04-29-82	54	18843	3M	FD	01-01-82	37
18825	3M	MS	04-30-82	54	18844	3M	FD	05-06-82	55
18826	3M	FD	02-03-82	42	18845	3M	E	04-12-82	52
18827	3M	FD	02-07-82	42	18846	3M	FD	01-04-82	38
18828 ^d	3M	FD	09-29-82	76	18847	3M	FD	03-21-82	48
18829	3M	FD	01-02-82	37	18848 ^d	3M	FD	08-31-82	72
18830 ^d	3M	FD	08-02-82	68	18849 ^d	3M	FD	06-23-82	62
18831	3M	FD	10-12-81	26					
18832	3M	FD	10-30-81	28					
18833 ^d	3M	FD	10-31-82	80	18850 ^d	3F	FD	08-27-82	71
18834	3M	FD	06-06-82	59	18851	3F	FD	02-26-82	45
18835 ^d	3M	FD	07-07-82	64	18852 ^d	3F	FD	11-10-82	82
18836	3M	FD	01-30-82	41	18853	3F	FD	01-09-82	38
18837 ^d	3M	FD	08-29-82	71	18854	3F	FD	04-15-82	52

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
18855	3F	FD	01-03-82	37	18874 ^d	3F	FD	10-29-82	80
18856 ^d	3F	FD	12-11-82	86	18875	3F	FD	04-03-82	50
18857	3F	FD	04-11-82	51	18876 ^d	3F	FD	08-10-82	69
18858	3F	FD	05-16-81	4	18877	3F	FD	07-24-82	66
18859	3F	FD	10-12-81	26	18878	3F	FD	06-19-82	61
18860 ^d	3F	FD	11-08-82	82	18879	3F	FD	09-28-81	24
18861	3F	FD	06-21-82	62	18880	3F	FD	01-26-82	41
18862	3F	FD	04-21-82	53	18881 ^d	3F	FD	08-20-82	70
18863	3F	FD	12-13-81	34	18882	3F	FD	07-19-82	66
18864	3F	MS	07-30-82	67	18883	3F	FD	06-21-82	62
18865	3F	FD	01-19-82	40	18884	3F	FD	06-18-82	61
18866	3F	FD	01-25-82	41	18885	3F	FD	12-03-81	33
18867	3F	FD	06-29-81	11	18886	3F	FD	12-31-81	37
18868	3F	FD	05-29-82	58	18887	3F	FD	11-06-81	29
18869	3F	FD	05-09-82	55	18888	3F	FD	07-29-82	67
18870	3F	FD	04-13-82	52	18889 ^d	3F	FD	01-14-83	91
18871	3F	FD	02-14-82	43	18890	3F	FD	05-17-82	57
18872 ^d	3F	FD	12-10-82	86	18891	3F	FD	09-13-82	74
18873	3F	FD	11-11-81	30	18892	3F	FD	05-08-82	55

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
18893	3F	FD	08-02-82	68	18910	4M	FD	09-27-82	75
18894	3F	FD	10-17-81	26	18911	4M	FD	01-26-82	41
18895 ^d	3F	FD	10-16-82	78	18912	4M	FD	07-19-82	65
18896	3F	FD	01-18-82	40	18913	4M	FD	09-24-82	75
18897	3F	FD	03-10-82	47	18914	4M	FD	06-10-82	60
18898	3F	FD	09-02-81	20	18915	4M	FD	09-14-82	74
18899	3F	FD	05-28-82	58	18916	4M	FD	05-30-83	110
					18917	4M	FD	11-12-82	82
					18918	4M	FD	02-03-83	94
18900 ^d	4M	FD	06-20-83	113	18919 ^d	4M	TS	07-15-83	117
18901 ^d	4M	FD	06-27-83	114	18920 ^d	4M	FD	07-04-83	115
18902 ^d	4M	TS	07-15-83	117	18921	4M	FD	10-13-81	26
18903 ^d	4M	FD	03-01-83	98	18922	4M	FD	06-28-82	62
18904 ^d	4M	TS	07-15-83	117	18923	4M	FD	12-15-82	87
18905 ^d	4M	FD	01-04-82	37	18924	4M	FD	09-05-82	72
18906 ^d	4M	FD	06-20-83	113	18925	4M	FD	01-14-83	91
18907 ^d	4M	FD	07-12-83	117	18926	4M	FD	03-06-82	46
18908	4M	FD	02-22-83	97	18927	4M	FD	01-17-83	91
18909	4M	FD	06-02-82	59	18928	4M	FD	02-11-83	95

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF		ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF	
			DEATH		DEATH					DEATH		DEATH	
18929	4M	FD	12-14-82		87		18948	4M	FD	06-04-83		111	
18930	4M	FD	09-10-82		73		18949	4M	FD	10-22-82		79	
18931	4M	MS	06-07-83		112								
18932	4M	FD	12-20-82		87								
18933	4M	FD	03-26-82		49		18950	4F	FD	07-28-82		67	
18934	4M	FD	06-30-82		63		18951 ^d	4F	TS	04-06-83		103	
18935	4M	FD	06-02-82		59		18952	4F	FD	07-27-82		67	
18936	4M	FD	05-29-82		58		18953	4F	FD	06-16-81		9	
18937	4M	MS	06-03-83		111		18954	4F	FD	12-24-82		88	
18938	4M	FD	10-23-82		79		18955	4F	FD	07-28-82		67	
18939	4M	FD	12-14-82		87		18956	4F	FD	12-23-82		88	
18940	4M	FD	05-16-83		108		18957 ^c	4F	FD	01-31-82		41	
18941	4M	FD	02-04-83		94		18958 ^d	4F	TS	04-06-83		103	
18942	4M	FD	01-10-83		90		18959	4F	FD	02-04-83		94	
18943 ^d	4M	TS	07-15-83		117		18960	4F	FD	12-03-82		85	
18944	4M	FD	03-01-83		98		18961	4F	FD	10-20-81		27	
18945 ^d	4M	TS	07-15-83		117		18962	4F	FD	01-28-83		93	
18946	4M	FD	11-24-82		84		18963	4F	FD	06-14-82		60	
18947 ^d	4M	TS	07-15-83		117		18964	4F	FD	04-06-82		51	

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH						DEATH		
18965	4F	FD	10-25-82		79	18984	4F	FD	07-27-82		67
18966	4F	FD	07-31-82		67	18985	4F	FD	03-30-82		50
18967	4F	FD	12-25-82		88	18986 ^d	4F	TS	04-06-83		103
18968 ^d	4F	TS	04-06-83		103	18987 ^d	4F	TS	04-06-83		103
18969	4F	FD	07-21-82		66	18988	4F	FD	05-29-82		58
18970 ^d	4F	TS	04-06-83		103	18989 ^d	4F	TS	04-06-83		103
18971	4F	FD	08-20-82		70	18990	4F	FD	02-17-82		44
18972	4F	FD	10-22-82		79	18991	4F	FD	06-02-82		59
18973	4F	FD	12-26-82		88	18992 ^d	4F	TS	04-06-83		103
18974	4F	FD	06-04-82		59	18993	4F	FD	06-22-82		62
18975	4F	FD	02-18-82		44	18994	4F	FD	06-20-82		61
18976	4F	FD	08-03-82		68	18995	4F	MS	07-21-82		66
18977	4F	FD	08-23-82		70	18996	4F	FD	08-27-82		71
18978	4F	FD	11-24-82		84	18997 ^d	4F	TS	04-06-83		103
18979	4F	FD	10-26-82		80	18998	4F	FD	08-12-81		17
18980	4F	FD	10-28-82		80	18999	4F	FD	10-05-82		77
18981	4F	FD	07-22-82		66						
18982 ^d	4F	FD	03-06-83		98						
18983	4F	FD	11-08-82		81						

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19000 ^d	5M	FD	04-12-83	104	19019	5M	FD	08-30-82	71
19001	5M	FD	07-30-81	15	19020	5M	FD	09-08-81	21
19002 ^d	5M	TS	07-15-83	117	19021	5M	FD	01-27-83	93
19003	5M	FD	12-09-82	86	19022	5M	FD	12-19-82	87
19004	5M	FD	12-31-81	37	19023 ^d	5M	TS	07-15-83	117
19005	5M	FD	07-31-81	15	19024	5M	FD	02-14-83	95
19006	5M	FD	11-30-82	85	19025 ^d	5M	TS	07-15-83	117
19007 ^d	5M	FD	04-21-83	105	19026	5M	FD	03-25-83	101
19008	5M	FD	02-25-83	97	19027 ^d	5M	TS	07-15-83	117
19009	5M	FD	09-23-82	75	19028	5M	FD	02-10-83	95
19010	5M	FD	11-21-82	83	19029	5M	FD	10-02-82	76
19011	5M	FD	02-28-82	45	19030	5M	FD	09-05-82	72
19012	5M	FD	06-15-82	61	19031 ^d	5M	TS	07-15-83	117
19013	5M	FD	02-11-83	95	19032	5M	FD	07-23-82	66
19014 ^d	5M	TS	07-15-83	117	19033	5M	FD	08-25-82	71
19015	5M	FD	12-14-82	87	19034	5M	FD	02-10-83	95
19016 ^d	5M	FD	04-03-83	102	19035	5M	FD	06-15-82	61
19017	5M	FD	12-15-82	87	19036	5M	FD	12-27-82	88
19018	5M	FD	06-15-82	61	19037	5M	FD	08-29-82	71

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH						DEATH		
19038	5M	FD	02-01-83		94	19055	5F	FD	09-03-81		20
19039	5M	FD	08-23-81		18	19056	5F	FD	08-15-82		69
19040	5M	FD	07-28-82		67	19057	5F	FD	09-04-82		72
19041	5M	FD	03-26-83		101	19058	5F	FD	08-04-81		16
19042	5M	FD	10-25-82		79	19059	5F	FD	06-08-82		60
19043	5M	FD	01-23-83		92	19060	5F	FD	01-05-83		90
19044	5M	FD	08-10-82		69	19061 ^d	5F	FD	02-06-83		94
19045	5M	FD	06-05-82		59	19062	5F	FD	06-16-82		61
19046 ^d	5M	TS	07-15-83		117	19063	5F	FD	11-12-81		30
19047	5M	FD	08-22-82		70	19064 ^d	5F	TS	04-06-83		103
19048	5M	FD	11-30-82		85	19065	5F	FD	01-04-82		37
19049	5M	FD	08-18-82		70	19066	5F	FD	10-19-82		79
						19067 ^d	5F	TS	04-06-83		103
19050 ^d	5F	TS	04-06-83		103	19068	5F	FD	01-05-82		38
19051	5F	FD	01-04-82		37	19069	5F	FD	12-20-82		87
19052	5F	FD	11-26-81		32	19070	5F	FD	11-02-82		81
19053 ^d	5F	FD	01-26-83		93	19071 ^d	5F	FD	04-04-83		102
19054	5F	FD	06-21-82		61	19072	5F	FD	09-20-82		74
						19073	5F	FD	02-22-82		44

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19074	5F	FD	01-19-83	92	19093	5F	FD	10-14-82	78
19075	5F	FD	11-26-82	84	19094	5F	FD	10-14-82	78
19076	5F	FD	10-09-82	77	19095	5F	FD	06-24-81	10
19077 ^d	5F	FD	02-13-83	95	19096	5F	FD	07-29-81	15
19078	5F	FD	11-30-82	85	19097	5F	FD	07-30-81	15
19079	5F	FD	09-08-82	73	19098	5F	FD	03-03-82	46
19080	5F	FD	04-28-82	54	19099	5F	FD	07-30-81	15
19081	5F	FD	06-25-82	62					
19082	5F	FD	10-14-82	78					
19083 ^d	5F	FD	02-23-83	97	19100	6M	FD	03-30-82	50
19084 ^d	5F	FD	02-27-83	97	19101	6M	FD	10-19-82	78
19085	5F	FD	10-09-82	77	19102 ^d	6M	TS	07-15-83	117
19086	5F	FD	06-25-82	62	19103 ^d	6M	MS	06-24-83	114
19087	5F	FD	06-20-82	61	19104 ^d	6M	TS	07-15-83	117
19088	5F	FD	12-20-82	87	19105	6M	FD	02-16-83	96
19089	5F	FD	06-24-81	10	19106 ^d	6M	FD	06-22-83	114
19090 ^d	5F	TS	04-06-83	103	19107	6M	FD	08-04-82	68
19091	5F	FD	02-28-82	45	19108	6M	FD	07-27-82	66
19092	5F	FD	06-26-81	10	19109 ^d	6M	FD	06-14-83	112

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19110 ^d	6M	TS	07-15-83	117	19129	6M	FD	12-14-81	34
19111	6M	FD	07-23-82	66	19130	6M	FD	08-20-82	70
19112	6M	FD	02-02-83	94	19131	6M	FD	04-17-83	104
19113	6M	FD	09-05-82	72	19132	6M	FD	02-01-83	93
19114	6M	FD	01-21-82	40	19133	6M	FD	10-04-82	76
19115	6M	FD	08-24-82	70	19134 ^d	6M	FD	06-25-83	114
19116	6M	FD	06-16-82	61	19135	6M	FD	02-14-83	95
19117	6M	FD	03-13-82	47	19136	6M	FD	07-31-82	67
19118 ^d	6M	TS	07-15-83	117	19137 ^d	6M	MS	12-31-82	89
19119	6M	FD	01-23-83	92	19138 ^d	6M	TS	07-15-83	117
19120	6M	FD	09-08-82	73	19139	6M	FD	10-25-82	79
19121	6M	FD	06-23-82	62	19140	6M	FD	06-03-83	111
19122	6M	FD	02-07-83	94	19141	6M	FD	06-28-82	62
19123	6M	FD	03-10-82	47	19142	6M	MS	02-03-83	94
19124	6M	FD	10-25-81	27	19143	6M	FD	01-14-82	39
19125	6M	FD	11-09-82	81	19144	6M	FD	08-04-82	68
19126	6M	FD	02-24-83	97	19145	6M	FD	11-11-81	30
19127 ^d	6M	FD	08-09-82	68	19146	6M	FD	12-08-81	33
19128 ^d	6M	TS	07-15-83	117	19147	6M	FD	02-08-82	42

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH						DEATH		
19148	6M	FD	12-09-82		86	19165	6F	FD	08-21-82		70
19149	6M	FD	11-09-82		81	19166	6F	FD	11-04-82		81
						19167	6F	FD	09-22-82		75
						19168	6F	FD	08-02-82		67
19150	6F	FD	09-09-82		73	19169 ^d	6F	FD	01-31-83		93
19151 ^d	6F	FD	01-09-83		90	19170	6F	FD	09-25-82		75
19152	6F	FD	09-09-82		73	19171 ^b	6F	FD	07-21-82		66
19153	6F	FD	09-24-82		75	19172 ^b	6F	FD	12-10-81		34
19154	6F	FD	10-02-82		76	19173	6F	FD	06-17-82		61
19155	6F	FD	01-01-82		37	19174	6F	FD	08-25-82		71
19156 ^d	6F	FD	01-07-83		90	19175 ^d	6F	FD	12-08-82		86
19157 ^b	6F	FD	09-11-82		73	19176	6F	FD	11-14-82		82
19158	6F	FD	04-14-82		52	19177	6F	FD	11-15-82		82
19159	6F	FD	10-18-82		78	19178	6F	FD	10-27-82		80
19160	6F	FD	03-17-82		48	19179 ^d	6F	TS	04-06-83		103
19161	6F	FD	04-29-82		54	19180	6F	FD	06-15-82		60
19162	6F	FD	08-06-82		68	19181	6F	FD	07-04-82		63
19163 ^d	6F	TS	04-06-83		103	19182	6F	FD	06-24-82		62
19164 ^d	6F	FD	12-20-82		87	19183	6F	FD	02-22-82		44

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19184	6F	FD	10-21-82	79	19200	7M	FD	12-02-82	85
19185 ^d	6F	FD	12-20-82	87	19201 ^d	7M	FD	05-08-83	107
19186	6F	FD	07-25-82	66	19202 ^b	7M	FD	03-24-82	49
19187	6F	FD	06-21-82	61	19203 ^d	7M	FD	07-01-83	115
19188	6F	FD	11-07-81	29	19204	7M	FD	05-09-82	55
19189	6F	FD	11-22-82	83	19205 ^d	7M	FD	05-12-83	108
19190	6F	FD	08-25-82	71	19206	7M	FD	02-26-83	97
19191	6F	FD	01-28-82	41	19207	7M	FD	02-04-83	94
19192	6F	FD	10-16-82	78	19208	7M	FD	02-05-83	94
19193	6F	FD	07-19-82	65	19209 ^d	7M	FD	05-08-83	107
19194	6F	FD	06-29-82	62	19210	7M	FD	10-01-82	76
19195 ^d	6F	FD	02-20-83	96	19211	7M	FD	02-19-82	44
19196 ^d	6F	TS	04-06-83	103	19212	7M	FD	04-14-83	104
19197	6F	FD	11-09-82	81	19213 ^d	7M	FD	05-18-83	109
19198	6F	FD	11-23-82	83	19214	7M	FD	03-14-82	47
19199	6F	FD	10-17-82	78	19215	7M	FD	08-04-82	68
					19216	7M	FD	12-13-82	86
					19217	7M	FD	08-15-82	69
					19218	7M	FD	02-25-83	97

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19219	7M	FD	06-23-82	62	19237	7M	FD	08-14-82	69
19220	7M	FD	04-11-83	103	19238	7M	FD	11-24-82	84
19221	7M	FD	01-03-83	89	19239	7M	FD	06-23-82	62
19222	7M	FD	09-10-82	73	19240 ^d	7M	TS	07-15-83	117
19223	7M	FD	08-24-82	70	19241	7M	E	07-09-82	64
19224	7M	FD	09-08-82	73	19242	7M	FD	02-02-82	94
19225	7M	FD	10-08-82	77	19243	7M	FD	10-28-82	80
19226	7M	FD	06-12-82	60	19244	7M	FD	09-28-82	75
19227 ^d	7M	MS	05-10-83	107	19245	7M	FD	11-26-81	32
19228	7M	FD	12-23-81	36	19246	7M	FD	06-03-82	59
19229 ^d	7M	TS	07-15-83	117	19247	7M	FD	07-08-82	64
19230	7M	FD	01-26-82	40	19248	7M	FD	02-07-83	94
19231 ^d	7M	TS	07-15-83	117	19249	7M	FD	06-23-82	62
19232	7M	FD	11-11-81	30					
19233	7M	FD	01-30-83	93					
19234	7M	FD	01-17-83	91	19250	7F	FD	07-20-82	65
19235	7M	FD	11-26-81	32	19251	7F	FD	10-23-82	79
19236 ^d	7M	TS	07-15-83	117	19252	7F	FD	06-17-82	61

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF		ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF	
			DEATH		DEATH					DEATH		DEATH	
19253	7F	FD	10-13-82		78		19272	7F	FD	11-27-82		84	
19254	7F	FD	01-01-83		89		19273 ^d	7F	FD	03-02-83		98	
19255 ^d	7F	FD	04-04-83		102		19274	7F	FD	09-27-82		75	
19256	7F	FD	09-08-82		73		19275 ^d	7F	FD	03-20-83		100	
19257	7F	FD	03-22-82		48		19276	7F	FD	09-08-82		73	
19258 ^d	7F	TS	04-06-83		103		19277	7F	FD	12-21-81		35	
19259	7F	FD	08-04-82		68		19278 ^d	7F	FD	02-28-83		97	
19260	7F	FD	12-26-82		88		19279	7F	FD	06-29-82		62	
19261	7F	FD	10-13-82		78		19280	7F	FD	11-19-82		83	
19262	7F	FD	06-02-82		59		19281	7F	FD	06-01-82		58	
19263	7F	FD	07-12-82		64		19282	7F	FD	08-02-81		15	
19264	7F	FD	08-25-82		71		19283	7F	FD	12-14-82		86	
19265	7F	FD	09-08-82		73		19284	7F	FD	12-25-81		36	
19266 ^d	7F	MS	03-28-83		101		19285	7F	FD	09-14-82		73	
19267	7F	FD	09-07-82		72		19286	7F	FD	11-21-82		83	
19268 ^d	7F	FD	01-29-83		93		19287	7F	FD	09-28-82		75	
19269	7F	FD	11-22-82		83		19288	7F	FD	07-22-82		66	
19270 ^d	7F	TS	04-06-83		103		19289	7F	FD	01-10-82		38	
19271 ^d	7F	TS	04-06-83		103		19290	7F	FD	07-13-82		64	

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

<u>ANIMAL NUMBER</u>	<u>GROUP AND SEX</u>	<u>TYPE OF DEATH^a</u>	<u>DATE OF DEATH</u>	<u>WEEK OF DEATH</u>	<u>ANIMAL NUMBER</u>	<u>GROUP AND SEX</u>	<u>TYPE OF DEATH^a</u>	<u>DATE OF DEATH</u>	<u>WEEK OF DEATH</u>
19291 ^d	7F	FD	04-06-83	103	19308 ^d	8M	TS	07-15-83	117
19292	7F	FD	06-29-82	62	19309	8M	FD	05-27-82	58
19293	7F	FD	11-30-82	84	19310	8M	FD	03-19-82	48
19294	7F	FD	10-29-82	80	19311	8M	FD	10-03-82	76
19295	7F	FD	10-13-82	78	19312 ^d	8M	FD	07-01-83	115
19296	7F	FD	08-10-82	68	19313	8M	FD	05-20-82	57
19297	7F	FD	07-02-82	63	19314 ^d	8M	TS	07-15-83	117
19298	7F	FD	11-22-81	31	19315	8M	FD	01-25-83	92
19299	7F	FD	09-15-82	74	19316	8M	FD	01-16-83	91
					19317	8M	FD	01-30-83	93
					19318	8M	FD	08-14-82	69
19300	8M	FD	11-21-82	83	19319	8M	FD	03-22-83	100
19301 ^d	8M	TS	07-15-83	117	19320	8M	FD	04-19-82	52
19302	8M	FD	02-25-82	45	19321	8M	FD	04-22-83	105
19303	8M	FD	04-23-83	105	19322	8M	FD	09-28-82	75
19304	8M	FD	10-23-82	79	19323 ^d	8M	FD	07-04-83	115
19305	8M	FD	05-02-82	54	19324	8M	FD	03-29-83	101
19306 ^d	8M	TS	07-15-83	117	19325	8M	FD	06-06-82	59
19307	8M	FD	10-23-82	79	19326	8M	FD	02-21-83	96

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY- INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH						DEATH		
19327	8M	FD	01-25-83		92	19344	8M	FD	01-20-82		39
19328	8M	FD	11-30-82		84	19345 ^d	8M	TS	07-15-83		117
19329 ^d	8M	TS	07-15-83		117	19346 ^d	8M	TS	07-15-83		117
19330	8M	FD	03-07-82		46	19347	8M	FD	12-20-82		87
19331	8M	FD	01-18-83		91	19348	8M	FD	09-27-82		75
19332 ^d	8M	TS	07-15-83		117	19349	8M	MS	05-20-83		109
19333	8M	FD	12-23-82		88						
19334	8M	FD	01-18-83		91						
19335	8M	FD	10-24-82		79	19350	8F	FD	06-29-82		62
19336	8M	FD	07-08-82		64	19351 ^c	8F	FD	05-04-82		54
19337	8M	FD	01-09-83		90	19352	8F	MS	06-18-82		61
19338	8M	FD	01-14-82		39	19353 ^d	8F	FD	01-20-83		92
19339	8M	FD	04-29-82		54	19354	8F	FD	10-07-82		77
19340	8M	FD	06-07-82		59	19355	8F	FD	09-11-82		73
19341	8M	FD	04-01-82		50	19356 ^d	8F	TS	04-06-83		103
19342	8M	FD	12-26-82		88	19357	8F	MS	06-21-82		61
19343	8M	FD	12-26-82		88	19358	8F	FD	12-10-81		34
						19359	8F	FD	07-24-82		66
						19360	8F	FD	12-30-82		89

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY- INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH						DEATH		
19361	8F	FD	04-01-82		50	19379	8F	FD	09-30-82		76
19362 ^d	8F	FD	02-15-83		95	19380	8F	FD	01-16-82		39
19363	8F	FD	11-08-81		29	19381	8F	FD	05-19-82		56
19364	8F	FD	04-28-82		53	19382	8F	FD	12-23-81		35
19365	8F	FD	02-15-82		43	19383	8F	FD	07-20-82		65
19366	8F	FD	05-18-82		56	19384	8F	FD	04-09-82		51
19367	8F	FD	10-21-82		79	19385	8F	FD	12-31-82		89
19368	8F	FD	07-13-82		64	19386	8F	FD	08-19-82		70
19369 ^d	8F	FD	02-14-83		95	19387 ^d	8F	FD	01-16-83		91
19370	8F	FD	05-09-82		55	19388 ^d	8F	FD	02-20-83		96
19371	8F	FD	01-10-82		38	19389 ^d	8F	FD	03-20-83		100
19372 ^d	8F	FD	02-10-83		95	19390	8F	FD	12-29-82		88
19373	8F	FD	06-29-82		62	19391	8F	FD	08-15-82		69
19374	8F	FD	09-07-82		72	19392	8F	FD	10-24-82		79
19375	8F	FD	12-20-82		87	19393	8F	FD	06-15-82		60
19376	8F	FD	12-30-82		89	19394 ^d	8F	TS	04-06-83		103
19377	8F	FD	12-26-82		88	19395	8F	FD	10-04-82		76
19378	8F	FD	09-04-82		72	19396	8F	FD	11-30-82		84

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH						DEATH		
19397	8F	FD	06-20-82		61	19413	9M	FD	12-02-82		85
19398	8F	E	07-08-82		64	19414	9M	FD	10-18-82		78
19399 ^d	8F	FD	04-04-83		102	19415	9M	FD	11-05-82		81
						19416 ^d	9M	FD	05-19-83		109
						19417	9M	FD	06-21-82		61
19400 ^d	9M	FD	05-07-83		107	19418	9M	FD	08-09-82		68
19401	9M	FD	02-14-83		95	19419	9M	FD	09-13-82		73
19402	9M	FD	02-14-83		95	19420	9M	FD	04-15-82		52
19403	9M	E	12-11-83		34	19421	9M	FD	03-26-83		101
19404	9M	FD	08-14-82		69	19422	9M	FD	07-01-82		63
19405	9M	FD	11-12-81		30	19423	9M	FD	07-21-82		65
19406	9M	FD	10-14-82		78	19424	9M	FD	02-11-83		95
19407	9M	MS	02-11-83		95	19425	9M	FD	10-07-82		77
19408 ^d	9M	MS	03-28-83		101	19426 ^d	9M	MS	05-26-83		110
19409	9M	FD	12-16-82		87	19427	9M	FD	07-23-82		66
19410	9M	FD	06-02-82		58	19428	9M	FD	10-07-82		77
19411 ^d	9M	TS	07-15-83		117	19429 ^d	9M	MS	05-09-83		107
19412 ^d	9M	FD	04-11-83		103	19430	9M	FD	02-06-83		94

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF		ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF	
			DEATH		DEATH					DEATH		DEATH	
19431	9M	FD	11-03-82		80		19450	9F	FD	08-16-82		69	
19432	9M	FD	09-23-82		75		19451	9F	FD	09-08-82		72	
19433	9M	FD	10-27-82		79		19452	9F	FD	07-06-82		63	
19434	9M	FD	08-29-82		71		19453 ^d	9F	FD	03-06-83		98	
19435	9M	FD	04-15-82		52		19454 ^b	9F	FD	04-11-82		51	
19436	9M	FD	02-06-83		94		19455	9F	FD	10-14-82		78	
19437 ^d	9M	MS	05-24-83		109		19456	9F	FD	06-25-82		62	
19438	9M	FD	08-02-82		67		19457	9F	FD	08-15-82		69	
19439	9M	FD	12-17-82		87		19458 ^d	9F	FD	02-01-83		93	
19440	9M	FD	09-08-82		72		19459	9F	FD	03-10-82		46	
19441 ^d	9M	MS	07-12-83		116		19460	9F	FD	08-13-82		69	
19442	9M	FD	09-14-82		73		19461	9F	FD	07-11-82		64	
19443	9M	FD	01-26-82		40		19462	9F	FD	07-03-82		63	
19444	9M	FD	01-21-83		92		19463 ^d	9F	FD	11-14-82		82	
19445	9M	FD	11-17-81		30		19464 ^b	9F	FD	06-27-82		62	
19446	9M	FD	09-27-82		75		19465	9F	FD	02-17-82		43	
19447	9M	FD	08-06-82		68		19466	9F	FD	06-24-82		62	
19448	9M	FD	09-20-83		74		19467	9F	FD	04-01-82		50	
19449 ^d	9M	FD	05-04-83		106		19468	9F	MS	05-17-82		56	

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF		ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF DEATH
			DEATH		DEATH					DEATH		
19469	9F	FD	05-10-82		55		19488	9F	FD	05-01-82		54
19470	9F	FD	10-03-82		76		19489	9F	FD	08-03-82		67
19471	9F	MS	08-13-82		69		19490	9F	FD	04-20-82		52
19472	9F	FD	11-05-82		81		19491	9F	FD	07-16-82		65
19473 ^d	9F	FD	03-31-83		102		19492	9F	FD	10-21-82		79
19474 ^d	9F	FD	03-04-83		98		19493 ^d	9F	MS	02-24-83		97
19475	9F	FD	07-21-82		65		19494	9F	FD	09-24-82		75
19476	9F	MS	09-17-82		74		19495	9F	FD	07-31-82		67
19477	9F	FD	09-19-82		74		19496	9F	FD	09-19-82		74
19478 ^d	9F	FD	11-21-82		83		19497 ^d	9F	FD	09-02-82		72
19479	9F	FD	06-28-82		62		19498 ^d	9F	TS	04-06-83		103
19480	9F	FD	12-23-81		35		19499	9F	FD	11-29-81		32
19481	9F	FD	08-19-82		70							
19482 ^c	9F	FD	11-20-82		83							
19483	9F	FD	06-13-82		60		19500	10M	FD	07-06-81		11
19484	9F	FD	03-18-82		48		19501	10M	FD	02-17-82		43
19485 ^d	9F	FD	02-02-83		93		19502	10M	FD	10-21-81		26
19486	9F	FD	07-14-82		64		19503	10M	FD	09-01-82		71
19487 ^d	9F	FD	01-31-83		93		19504	10M	FD	06-15-82		60

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19505	10M	FD	12-21-81	35	19524	10M	FD	09-05-82	72
19506	10M	FD	01-21-83	92	19525	10M	FD	03-12-82	47
19507 ^d	10M	TS	07-15-83	117	19526	10M	FD	12-13-82	86
19508	10M	FD	01-07-82	37	19527	10M	FD	02-19-83	96
19509	10M	FD	01-04-83	89	19528	10M	FD	02-19-83	96
19510	10M	FD	09-30-82	75	19529	10M	FD	09-29-82	75
19511	10M	FD	02-15-83	95	19530	10M	FD	11-29-82	84
19512 ^d	10M	FD	02-21-83	96	19531	10M	MS	06-25-82	62
19513 ^d	10M	MS	05-20-83	109	19532	10M	FD	01-25-82	40
19514	10M	FD	01-03-82	37	19533 ^d	10M	FD	07-11-83	116
19515	10M	FD	09-08-82	72	19534	10M	FD	03-14-83	99
19516	10M	FD	06-03-82	58	19535 ^d	10M	TS	07-15-83	117
19517 ^d	10M	MS	06-03-83	111	19536	10M	FD	02-11-83	95
19518	10M	FD	11-16-82	82	19537 ^d	10M	FD	04-11-83	103
19519	10M	FD	04-04-83	102	19538	10M	FD	12-01-82	84
19520 ^d	10M	TS	07-15-83	117	19539	10M	FD	09-30-82	75
19521	10M	FD	08-13-82	69	19540 ^d	10M	TS	07-15-83	117
19522	10M	FD	02-17-83	95	19541	10M	MS	02-01-83	93
19523	10M	FD	09-29-82	75	19542	10M	FD	03-31-82	49

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19543	10M	FD	01-05-83	89	19560	10F	FD	01-16-82	39
19544 ^d	10M	MS	05-13-83	108	19561	10F	FD	07-24-82	66
19545	10M	FD	08-20-82	70	19562	10F	FD	11-13-82	82
19546	10M	FD	02-16-83	95	19563	10F	FD	01-11-82	38
19547	10M	FD	06-18-82	61	19564	10F	FD	05-03-82	54
19548	10M	FD	04-06-82	50	19565	10F	FD	10-22-82	79
19549	10M	FD	06-07-82	59	19566	10F	FD	12-03-81	32
					19567 ^d	10F	MS	03-28-83	100
					19568	10F	FD	10-19-82	78
19550	10F	MS	07-11-82	64	19569	10F	FD	07-12-82	64
19551 ^d	10F	FD	02-15-83	95	19570 ^d	10F	TS	04-06-83	103
19552	10F	FD	08-29-82	71	19571 ^d	10F	FD	01-03-83	89
19553	10F	FD	08-09-82	68	19572	10F	FD	10-14-81	25
19554	10F	FD	09-09-82	72	19573	10F	E	02-05-82	42
19555	10F	FD	07-04-82	63	19574	10F	FD	08-09-82	68
19556 ^d	10F	FD	01-31-83	93	19575	10F	FD	09-24-82	75
19557	10F	FD	09-27-82	75	19576	10F	FD	09-26-82	75
19558 ^d	10F	FD	02-03-83	93	19577	10F	FD	07-01-82	62
19559	10F	FD	12-03-81	32	19578	10F	FD	08-19-82	69

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19579	10F	FD	04-20-82	52	19598	10F	FD	03-19-82	48
19580 ^d	10F	FD	01-25-83	92	19599	10F	FD	12-08-82	85
19581 ^d	10F	FD	01-02-83	89					
19582	10F	FD	09-10-82	73					
19583	10F	FD	08-20-82	70	19600	11M	FD	04-25-82	53
19584	10F	FD	07-11-82	64	19601	11M	FD	01-21-83	92
19585	10F	FD	07-27-81	14	19602	11M	FD	02-22-83	96
19586	10F	FD	09-19-82	74	19603	11M	FD	11-11-81	29
19587	10F	FD	09-14-82	73	19604	11M	FD	11-11-81	29
19588	10F	FD	12-07-82	85	19605	11M	FD	12-20-82	87
19589	10F	FD	08-20-82	70	19606	11M	E	02-05-82	42
19590	10F	E	07-09-82	62	19607	11M	FD	02-26-83	97
19591 ^d	10F	FD	02-26-83	97	19608 ^d	11M	TS	07-15-83	117
19592	10F	FD	12-14-82	86	19609 ^d	11M	TS	07-15-83	117
19593 ^d	10F	FD	01-26-83	92	19610	11M	FD	08-19-82	69
19594	10F	FD	11-14-82	82	19611	11M	FD	07-09-82	64
19595	10F	FD	03-08-82	46	19612	11M	FD	02-25-82	44
19596	10F	FD	10-13-82	77	19613	11M	FD	10-20-82	78
19597	10F	E	05-28-82	58	19614	11M	FD	04-30-83	106

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH	ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19615	11M	FD	11-07-81	29	19634	11M	FD	09-29-82	75
19616	11M	FD	05-12-83	107	19635 ^d	11M	TS	07-15-83	117
19617	11M	FD	01-19-83	91	19636 ^d	11M	FD	06-13-83	112
19618 ^d	11M	MS	05-20-83	109	19637	11M	MS	05-09-83	107
19619	11M	FD	07-16-82	65	19638	11M	FD	08-06-82	68
19620	11M	FD	04-09-82	51	19639	11M	FD	02-03-83	93
19621	11M	FD	03-23-82	48	19640 ^d	11M	MS	06-01-83	110
19622	11M	FD	01-22-83	92	19641	11M	FD	07-06-82	63
19623 ^d	11M	TS	07-15-83	117	19642	11M	FD	05-27-82	57
19624	11M	FD	05-29-82	58	19643 ^d	11M	TS	07-15-83	117
19625	11M	FD	05-11-82	55	19644	11M	FD	10-20-82	78
19626	11M	FD	03-15-82	47	19645 ^d	11M	MS	06-02-83	110
19627	11M	FD	09-29-82	75	19646	11M	FD	02-11-83	95
19628	11M	FD	01-22-83	92	19647 ^d	11M	MS	05-12-83	107
19629	11M	FD	11-17-82	82	19648	11M	FD	07-14-82	64
19630	11M	FD	01-03-82	37	19649	11M	FD	02-15-83	95
19631	11M	FD	08-31-82	71					
19632	11M	FD	07-11-82	64					
19633	11M	FD	02-20-83	96					

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF		ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF		WEEK OF
			DEATH		DEATH					DEATH		
19650 ^d	11F	FD	11-16-82		82		19669 ^d	11F	FD	12-08-82		30
19651 ^c	11F	FD	01-13-83		90		19670	11F	FD	07-06-82		63
19652	11F	FD	06-28-82		62		19671	11F	FD	08-16-82		69
19653	11F	FD	09-24-82		75		19672	11F	FD	06-17-82		60
19654 ^d	11F	FD	12-04-82		85		19673	11F	FD	06-29-82		62
19655	11F	FD	09-11-82		73		19674	11F	FD	07-16-82		65
19656	11F	FD	08-20-82		70		19675	11F	E	07-23-82		66
19657	11F	FD	07-11-82		64		19676 ^d	11F	FD	11-01-82		80
19658	11F	E	05-28-82		58		19677	11F	FD	09-01-82		71
19659	11F	FD	08-13-82		69		19678 ^d	11F	FD	11-22-82		83
19660 ^d	11F	TS	04-06-83		103		19679	11F	FD	07-07-82		63
19661	11F	FD	07-26-82		66		19680 ^d	11F	FD	01-27-83		92
19662	11F	FD	01-07-82		37		19681	11F	FD	01-22-82		40
19663	11F	FD	07-28-82		66		19682	11F	FD	10-18-82		78
19664	11F	FD	07-19-82		65		19683	11F	MS	07-29-82		66
19665	11F	FD	07-02-82		63		19684	11F	FD	10-08-82		77
19666 ^d	11F	TS	04-06-83		103		19685	11F	E	04-16-82		52
19667	11F	FD	01-13-82		38		19686	11F	FD	09-10-82		73
19668	11F	FD	07-10-82		64		19687	11F	FD	12-20-81		35

APPENDIX 1 (Continued)
INDIVIDUAL MORTALITY INVENTORY
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS FROM
IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

ANIMAL NUMBER	GROUP AND SEX	TYPE OF DEATH ^a	DATE OF DEATH	WEEK OF DEATH
19688	11F	FD	08-13-82	69
19689	11F	FD	08-21-81	18
19690	11F	FD	09-19-82	74
19691	11F	FD	08-10-82	68
19692	11F	FD	09-24-82	75
19693	11F	FD	06-28-82	62
19694	11F	FD	07-31-82	67
19695	11F	FD	11-12-81	29
19696	11F	FD	09-01-82	71
19697 ^d	11F	FD	12-17-82	87
19698 ^d	11F	FD	12-13-82	86
19699	11F	FD	10-28-82	79

APPENDIX 2
SURVIVAL ANALYSIS
(KAPLAN-MEIER PRODUCT-LIMIT METHOD)

EXPLANATION OF SUPERSCRIPTS

- ^a Case numbers are ordinal numbers of animals in Appendix 1, excluding animals that escaped and those with superscripts "b" (tissues lost) or "c" (animal mis-sexed).
- ^b Dead = found dead or moribund sacrifice; censored = terminal sacrifice.

APPENDIX 2A
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 1 MALES
VEHICLE CONTROL

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
48	23.00	DEAD	0.9792	0.0206	1	0	48
10	38.00	DEAD			2	0	46
27	38.00	DEAD	0.9375	0.0349	3	0	43
42	43.00	DEAD	0.9167	0.0399	4	0	42
30	47.00	DEAD	0.8958	0.0441	5	0	41
34	51.00	DEAD			6	0	40
39	51.00	DEAD	0.8542	0.0509	7	0	39
1	52.00	DEAD	0.8333	0.0538	8	0	38
23	53.00	DEAD			9	0	37
32	53.00	DEAD			10	0	36
38	53.00	DEAD	0.7708	0.0607	11	0	35
47	55.00	DEAD	0.7500	0.0625	12	0	34
8	60.00	DEAD	0.7292	0.0641	13	0	33
2	61.00	DEAD			14	0	32
41	61.00	DEAD	0.6875	0.0669	15	0	31
15	65.00	DEAD	0.6667	0.0680	16	0	30
24	66.00	DEAD			17	0	29
25	66.00	DEAD	0.6250	0.0699	18	0	28
13	68.00	DEAD	0.6042	0.0706	19	0	27
20	73.00	DEAD	0.5833	0.0712	20	0	26
3	77.00	DEAD			21	0	25
46	77.00	DEAD	0.5417	0.0719	22	0	24
14	80.00	DEAD			23	0	23
45	80.00	DEAD	0.5000	0.0722	24	0	22
5	81.00	DEAD	0.4792	0.0721	25	0	21
26	82.00	DEAD			26	0	20
33	82.00	DEAD			27	0	19
35	82.00	DEAD			28	0	18
37	82.00	DEAD	0.3958	0.0706	29	0	17
36	86.00	DEAD	0.3750	0.0699	30	0	16
11	88.00	DEAD			31	0	15
16	88.00	DEAD			32	0	14
28	88.00	DEAD	0.3125	0.0669	33	0	13
19	89.00	DEAD	0.2917	0.0656	34	0	12
12	94.00	DEAD			35	0	11
18	94.00	DEAD	0.2500	0.0625	36	0	10
21	95.00	DEAD			37	0	9
40	95.00	DEAD	0.2083	0.0586	38	0	8
6	96.00	DEAD			39	0	7
29	96.00	DEAD	0.1667	0.0538	40	0	6
4	97.00	DEAD	0.1458	0.0509	41	0	5
22	105.00	DEAD			42	0	4
44	105.00	DEAD	0.1042	0.0441	43	0	3
7	111.00	DEAD	0.0833	0.0399	44	0	2
9	112.00	DEAD	0.0625	0.0349	45	0	1
17	117.00	CENSORED			45	0	1
31	117.00	CENSORED			45	0	1
43	117.00	CENSORED			45	0	0

MEAN SURVIVAL TIME = 76.92 LIMITED TO 117.00 S.E. = 3.344

QUANTILE ESTIMATE
75TH 60.00
MEDIAN (50TH) 81.00
25TH 95.00

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APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 2 MALES
Fe₂O₃ + VEHICLE

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
144	13.00	DEAD	0.9800	0.0198	1	0	47
99	17.00	DEAD	0.9600	0.0277	2	0	46
140	24.00	DEAD	0.9400	0.0336	3	0	47
104	26.00	DEAD	0.9200	0.0384	4	0	46
137	34.00	DEAD			5	0	43
146	34.00	DEAD	0.8800	0.0460	6	0	44
108	31.00	DEAD	0.8600	0.0491	7	0	43
105	41.00	DEAD			8	0	42
122	41.00	DEAD	0.8200	0.0543	9	0	41
111	43.00	DEAD	0.8000	0.0566	10	0	40
141	44.00	DEAD	0.7800	0.0586	11	0	39
117	49.00	DEAD	0.7600	0.0604	12	0	38
128	71.00	DEAD			13	0	37
139	71.00	DEAD	0.7200	0.0635	14	0	36
134	73.00	DEAD	0.7000	0.0648	15	0	35
101	75.00	DEAD	0.6800	0.0660	16	0	34
116	78.00	DEAD	0.6600	0.0670	17	0	33
143	79.00	DEAD	0.6400	0.0679	18	0	32
142	80.00	DEAD	0.6200	0.0686	19	0	31
102	81.00	DEAD	0.6000	0.0693	20	0	30
131	86.00	DEAD	0.5800	0.0698	21	0	29
98	87.00	DEAD			22	0	28
115	87.00	DEAD			23	0	27
119	87.00	DEAD			24	0	26
127	87.00	DEAD			25	0	25
136	87.00	DEAD	0.4800	0.0707	26	0	24
107	88.00	DEAD			27	0	23
132	88.00	DEAD	0.4400	0.0702	28	0	22
125	89.00	DEAD	0.4200	0.0698	29	0	21
145	90.00	DEAD	0.4000	0.0693	30	0	20
100	91.00	DEAD	0.3800	0.0686	31	0	19
121	92.00	DEAD	0.3600	0.0679	32	0	18
135	93.00	DEAD	0.3400	0.0670	33	0	17
109	94.00	DEAD	0.3200	0.0660	34	0	16
124	95.00	DEAD			35	0	15
126	95.00	DEAD			36	0	14
130	95.00	DEAD	0.2600	0.0620	37	0	13
113	97.00	DEAD	0.2400	0.0604	38	0	12
133	99.00	DEAD	0.2200	0.0586	39	0	11
129	101.00	DEAD	0.2000	0.0566	40	0	10
118	103.00	DEAD	0.1800	0.0543	41	0	9
114	105.00	DEAD	0.1600	0.0518	42	0	8
106	111.00	DEAD	0.1400	0.0491	43	0	7
123	112.00	DEAD	0.1200	0.0460	44	0	6
97	117.00	CENSORED			44	0	5
103	117.00	CENSORED			44	0	4
110	117.00	CENSORED			44	0	3
112	117.00	CENSORED			44	0	2
120	117.00	CENSORED			44	0	1
138	117.00	CENSORED			44	0	0

MEAN SURVIVAL TIME = 81.76 LIMITED TO 117.00 S.E. = 3.795

QUANTILE	ESTIMATE
10TH	71.00
MEDIAN (50TH)	87.00
90TH	97.00

APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 3 MALES
BaP + Fe₂O₃

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
218	12.00	DEAD	0.9792	0.0206	1	0	47
199	14.00	DEAD	0.9583	0.0288	2	0	46
207	15.00	DEAD	0.9375	0.0349	3	0	45
210	17.00	DEAD	0.9167	0.0399	4	0	44
211	22.00	DEAD	0.8958	0.0441	5	0	43
226	26.00	DEAD	0.8750	0.0477	6	0	42
220	27.00	DEAD	0.8542	0.0509	7	0	41
204	28.00	DEAD			8	0	40
217	28.00	DEAD			9	0	39
229	28.00	DEAD	0.7917	0.0586	10	0	38
202	30.00	DEAD	0.7708	0.0607	11	0	37
213	34.00	DEAD			12	0	36
237	34.00	DEAD	0.7292	0.0641	13	0	35
198	36.00	DEAD	0.7083	0.0656	14	0	34
197	37.00	DEAD			15	0	33
226	37.00	DEAD			16	0	32
239	37.00	DEAD	0.6458	0.0690	17	0	31
241	38.00	DEAD	0.6250	0.0699	18	0	30
201	39.00	DEAD	0.6042	0.0706	19	0	29
206	41.00	DEAD			20	0	28
233	41.00	DEAD	0.5625	0.0716	21	0	27
223	42.00	DEAD			22	0	26
224	42.00	DEAD			23	0	25
236	42.00	DEAD	0.5000	0.0722	24	0	24
212	44.00	DEAD	0.4792	0.0721	25	0	23
216	45.00	DEAD	0.4583	0.0719	26	0	22
203	46.00	DEAD	0.4375	0.0716	27	0	21
214	48.00	DEAD			28	0	20
238	48.00	DEAD			29	0	19
242	48.00	DEAD	0.3750	0.0699	30	0	18
209	49.00	DEAD	0.3542	0.0690	31	0	17
208	54.00	DEAD			32	0	16
221	54.00	DEAD			33	0	15
222	54.00	DEAD	0.2917	0.0656	34	0	14
240	55.00	DEAD	0.2708	0.0641	35	0	13
205	57.00	DEAD	0.2500	0.0625	36	0	12
231	59.00	DEAD			37	0	11
235	59.00	DEAD	0.2083	0.0586	38	0	10
244	62.00	DEAD	0.1875	0.0563	39	0	9
232	64.00	DEAD	0.1667	0.0538	40	0	8
200	65.00	DEAD	0.1458	0.0509	41	0	7
215	66.00	DEAD	0.1250	0.0477	42	0	6
227	68.00	DEAD	0.1042	0.0441	43	0	5
234	71.00	DEAD	0.0833	0.0399	44	0	4
243	72.00	DEAD	0.0625	0.0349	45	0	3
225	76.00	DEAD	0.0417	0.0288	46	0	2
219	77.00	DEAD	0.0208	0.0206	47	0	1
230	80.00	DEAD	0.0000	0.0000	48	0	0

MEAN SURVIVAL TIME = 45.17

S.E. = 2.514

QUANTILE ESTIMATE
5TH 34.00
MEDIAN (50TH) 44.00
95TH 59.00

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APPENDIX 2 A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 4 MALES
SHELL SAND (5.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
316	26.00	DEAD	0.9800	0.0198	1	0	49
300	37.00	DEAD	0.9600	0.0277	2	0	48
306	41.00	DEAD	0.9400	0.0336	3	0	47
321	46.00	DEAD	0.9200	0.0384	4	0	46
328	49.00	DEAD	0.9000	0.0424	5	0	45
331	58.00	DEAD	0.8800	0.0460	6	0	44
304	59.00	DEAD			7	0	43
330	59.00	DEAD	0.8400	0.0518	8	0	42
309	60.00	DEAD	0.8200	0.0543	9	0	41
317	62.00	DEAD	0.8000	0.0566	10	0	40
329	63.00	DEAD	0.7800	0.0586	11	0	39
307	65.00	DEAD	0.7600	0.0604	12	0	38
319	72.00	DEAD	0.7400	0.0620	13	0	37
325	73.00	DEAD	0.7200	0.0635	14	0	36
310	74.00	DEAD	0.7000	0.0648	15	0	35
303	75.00	DEAD			16	0	34
308	75.00	DEAD	0.6600	0.0670	17	0	33
333	79.00	DEAD			18	0	32
344	79.00	DEAD	0.6200	0.0686	19	0	31
312	82.00	DEAD	0.6000	0.0693	20	0	30
341	84.00	DEAD	0.5800	0.0698	21	0	29
318	87.00	DEAD			22	0	28
324	87.00	DEAD			23	0	27
327	87.00	DEAD			24	0	26
334	87.00	DEAD	0.5000	0.0707	25	0	25
337	90.00	DEAD	0.4800	0.0707	26	0	24
320	91.00	DEAD			27	0	23
322	91.00	DEAD	0.4400	0.0702	28	0	22
313	94.00	DEAD			29	0	21
336	94.00	DEAD	0.4000	0.0693	30	0	20
323	95.00	DEAD	0.3800	0.0686	31	0	19
303	97.00	DEAD	0.3600	0.0679	32	0	18
298	98.00	DEAD			33	0	17
339	98.00	DEAD	0.3200	0.0660	34	0	16
335	108.00	DEAD	0.3000	0.0648	35	0	15
311	110.00	DEAD	0.2800	0.0635	36	0	14
332	111.00	DEAD			37	0	13
343	111.00	DEAD	0.2400	0.0604	38	0	12
326	112.00	DEAD	0.2200	0.0586	39	0	11
295	113.00	DEAD			40	0	10
301	113.00	DEAD	0.1800	0.0543	41	0	9
296	114.00	DEAD	0.1600	0.0518	42	0	8
315	115.00	DEAD	0.1400	0.0491	43	0	7
302	117.00	DEAD	0.1200	0.0460	44	0	6
297	117.00	CENSORED			44	0	5
299	117.00	CENSORED			44	0	4
314	117.00	CENSORED			44	0	3
338	117.00	CENSORED			44	0	2
340	117.00	CENSORED			44	0	1
342	117.00	CENSORED			44	0	0

MEAN SURVIVAL TIME = 86.80 LIMITED TO 117.00 S.E. = 3.491

QUANTILE	ESTIMATE
75TH	72.00
MEDIAN (50TH)	90.00
25TH	111.00

APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 5 MALES
SHELL SAND (10.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
375	15.00	DEAD			1	0	49
399	15.00	DEAD	0.9600	0.0277	2	0	48
433	18.00	DEAD	0.9400	0.0336	3	0	47
414	21.00	DEAD	0.9200	0.0384	4	0	46
398	37.00	DEAD	0.9000	0.0424	5	0	45
405	45.00	DEAD	0.8800	0.0460	6	0	44
439	59.00	DEAD	0.8600	0.0491	7	0	43
406	61.00	DEAD			8	0	42
412	61.00	DEAD			9	0	41
427	61.00	DEAD	0.8000	0.0566	10	0	40
426	66.00	DEAD	0.7800	0.0586	11	0	39
434	67.00	DEAD	0.7600	0.0604	12	0	38
438	69.00	DEAD	0.7400	0.0620	13	0	37
441	70.00	DEAD			14	0	36
443	70.00	DEAD	0.7000	0.0648	15	0	35
413	71.00	DEAD			16	0	34
427	71.00	DEAD			17	0	33
431	71.00	DEAD	0.6400	0.0679	18	0	32
424	72.00	DEAD	0.6200	0.0686	19	0	31
403	75.00	DEAD	0.6000	0.0693	20	0	30
423	76.00	DEAD	0.5800	0.0698	21	0	29
436	79.00	DEAD	0.5600	0.0702	22	0	28
404	83.00	DEAD	0.5400	0.0705	23	0	27
400	85.00	DEAD			24	0	26
442	85.00	DEAD	0.5000	0.0707	25	0	25
397	86.00	DEAD	0.4800	0.0707	26	0	24
409	87.00	DEAD			27	0	23
411	87.00	DEAD			28	0	22
416	87.00	DEAD	0.4200	0.0698	29	0	21
430	88.00	DEAD	0.4000	0.0693	30	0	20
437	92.00	DEAD	0.3800	0.0686	31	0	19
415	93.00	DEAD	0.3600	0.0679	32	0	18
432	94.00	DEAD	0.3400	0.0670	33	0	17
407	95.00	DEAD			34	0	16
418	95.00	DEAD			35	0	15
422	95.00	DEAD			36	0	14
428	95.00	DEAD	0.2600	0.0620	37	0	13
402	97.00	DEAD	0.2400	0.0604	38	0	12
420	101.00	DEAD			39	0	11
435	101.00	DEAD	0.2000	0.0566	40	0	10
410	102.00	DEAD	0.1800	0.0543	41	0	9
394	104.00	DEAD	0.1600	0.0518	42	0	8
401	105.00	DEAD	0.1400	0.0491	43	0	7
396	117.00	CENSORED			43	0	6
408	117.00	CENSORED			43	0	5
417	117.00	CENSORED			43	0	4
419	117.00	CENSORED			43	0	3
421	117.00	CENSORED			43	0	2
425	117.00	CENSORED			43	0	1
440	117.00	CENSORED			43	0	0

MEAN SURVIVAL TIME = 80.52 LIMITED TO 117.00 S.E. = 3.815

QUANTILE ESTIMATE
75TH 89.00
MEDIAN (50TH) 86.00
25TH 97.00

APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 6 MALES
GREEN SAND (5.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
518	27.00	DEAD	0.9800	0.0198	1	0	49
539	30.00	DEAD	0.9600	0.0277	2	0	48
540	33.00	DEAD	0.9400	0.0336	3	0	47
523	34.00	DEAD	0.9200	0.0384	4	0	46
537	39.00	DEAD	0.9000	0.0424	5	0	45
508	40.00	DEAD	0.8800	0.0460	6	0	44
541	42.00	DEAD	0.8600	0.0491	7	0	43
511	47.00	DEAD			8	0	42
517	47.00	DEAD	0.8200	0.0543	9	0	41
494	50.00	DEAD	0.8000	0.0566	10	0	40
510	61.00	DEAD	0.7800	0.0586	11	0	39
515	62.00	DEAD			12	0	38
535	62.00	DEAD	0.7400	0.0620	13	0	37
502	66.00	DEAD			14	0	36
505	66.00	DEAD	0.7000	0.0648	15	0	35
530	67.00	DEAD	0.6800	0.0660	16	0	34
501	68.00	DEAD			17	0	33
521	68.00	DEAD			18	0	32
538	68.00	DEAD	0.6200	0.0686	19	0	31
509	70.00	DEAD			20	0	30
524	70.00	DEAD	0.5800	0.0698	21	0	29
507	72.00	DEAD	0.5600	0.0702	22	0	28
514	73.00	DEAD	0.5400	0.0705	23	0	27
527	76.00	DEAD	0.5200	0.0707	24	0	26
495	78.00	DEAD	0.5000	0.0707	25	0	25
533	79.00	DEAD	0.4800	0.0707	26	0	24
519	81.00	DEAD			27	0	23
543	81.00	DEAD	0.4400	0.0702	28	0	22
542	86.00	DEAD	0.4200	0.0698	29	0	21
531	89.00	DEAD	0.4000	0.0693	30	0	20
513	92.00	DEAD	0.3800	0.0686	31	0	19
526	93.00	DEAD	0.3600	0.0679	32	0	18
506	94.00	DEAD			33	0	17
516	94.00	DEAD			34	0	16
536	94.00	DEAD	0.3000	0.0648	35	0	15
529	95.00	DEAD	0.2800	0.0635	36	0	14
499	96.00	DEAD	0.2600	0.0620	37	0	13
520	97.00	DEAD	0.2400	0.0604	38	0	12
525	104.00	DEAD	0.2200	0.0586	39	0	11
534	111.00	DEAD	0.2000	0.0566	40	0	10
503	112.00	DEAD	0.1800	0.0543	41	0	9
497	114.00	DEAD			42	0	8
500	114.00	DEAD			43	0	7
528	114.00	DEAD	0.1200	0.0460	44	0	6
496	117.00	CENSORED			44	0	5
498	117.00	CENSORED			44	0	4
504	117.00	CENSORED			44	0	3
512	117.00	CENSORED			44	0	2
522	117.00	CENSORED			44	0	1
532	117.00	CENSORED			44	0	0

MEAN SURVIVAL TIME = 79.16 LIMITED TO 117.00 S.E. = 3.826

QUANTILE	ESTIMATE
75TH	62.00
MEDIAN (50TH)	79.00
25TH	97.00

APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 7 MALES
GREEN SAND (10.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
623	30.00	DEAD	0.9792	0.0206	1	0	47
626	32.00	DEAD			2	0	46
633	32.00	DEAD	0.9375	0.0349	3	0	45
619	36.00	DEAD	0.9167	0.0399	4	0	44
621	40.00	DEAD	0.8958	0.0441	5	0	43
602	44.00	DEAD	0.8750	0.0477	6	0	42
605	47.00	DEAD	0.8542	0.0509	7	0	41
595	55.00	DEAD	0.8333	0.0538	8	0	40
636	59.00	DEAD	0.8125	0.0563	9	0	39
617	60.00	DEAD	0.7917	0.0586	10	0	38
610	62.00	DEAD			11	0	37
630	62.00	DEAD			12	0	36
639	62.00	DEAD	0.7292	0.0641	13	0	35
637	64.00	DEAD	0.7083	0.0656	14	0	34
606	68.00	DEAD	0.6875	0.0669	15	0	33
608	69.00	DEAD			16	0	32
628	69.00	DEAD	0.6458	0.0690	17	0	31
614	70.00	DEAD	0.6250	0.0699	18	0	30
613	73.00	DEAD			19	0	29
615	73.00	DEAD	0.5833	0.0712	20	0	28
634	75.00	DEAD	0.5625	0.0716	21	0	27
601	76.00	DEAD	0.5417	0.0719	22	0	26
616	77.00	DEAD	0.5208	0.0721	23	0	25
633	80.00	DEAD	0.5000	0.0722	24	0	24
629	84.00	DEAD	0.4792	0.0721	25	0	23
592	85.00	DEAD	0.4583	0.0719	26	0	22
607	86.00	DEAD	0.4375	0.0716	27	0	21
612	89.00	DEAD	0.4167	0.0712	28	0	20
625	91.00	DEAD	0.3958	0.0706	29	0	19
624	93.00	DEAD	0.3750	0.0699	30	0	18
598	94.00	DEAD			31	0	17
599	94.00	DEAD			32	0	16
632	94.00	DEAD			33	0	15
638	94.00	DEAD	0.2917	0.0656	34	0	14
597	97.00	DEAD			35	0	13
609	97.00	DEAD	0.2500	0.0625	36	0	12
611	103.00	DEAD	0.2292	0.0607	37	0	11
603	104.00	DEAD	0.2083	0.0586	38	0	10
593	107.00	DEAD			39	0	9
600	107.00	DEAD			40	0	8
618	107.00	DEAD	0.1458	0.0509	41	0	7
596	108.00	DEAD	0.1250	0.0477	42	0	6
604	109.00	DEAD	0.1042	0.0441	43	0	5
594	115.00	DEAD	0.0833	0.0399	44	0	4
620	117.00	CENSORED			44	0	3
622	117.00	CENSORED			44	0	2
627	117.00	CENSORED			44	0	1
631	117.00	CENSORED			44	0	0

MEAN SURVIVAL TIME = 80.02 LIMITED TO 117.00 S.E. = 3.637

QUANTILE	ESTIMATE
75TH	62.00
MEDIAN (50TH)	84.00
25TH	103.00

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APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 8 MALES
FURAN (5.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
729	39.00	DEAD			1	0	49
735	39.00	DEAD	0.9600	0.0277	2	0	48
693	45.00	DEAD	0.9400	0.0336	3	0	47
721	46.00	DEAD	0.9200	0.0384	4	0	46
701	48.00	DEAD	0.9000	0.0424	5	0	45
732	50.00	DEAD	0.8800	0.0460	6	0	44
711	52.00	DEAD	0.8600	0.0491	7	0	43
696	54.00	DEAD			8	0	42
730	54.00	DEAD	0.8200	0.0543	9	0	41
704	57.00	DEAD	0.8000	0.0566	10	0	40
700	58.00	DEAD	0.7800	0.0586	11	0	39
716	59.00	DEAD			12	0	38
731	59.00	DEAD	0.7400	0.0620	13	0	37
727	64.00	DEAD	0.7200	0.0635	14	0	36
709	69.00	DEAD	0.7000	0.0648	15	0	35
713	75.00	DEAD			16	0	34
739	75.00	DEAD	0.6600	0.0670	17	0	33
702	76.00	DEAD	0.6400	0.0679	18	0	32
695	79.00	DEAD			19	0	31
698	79.00	DEAD			20	0	30
726	79.00	DEAD	0.5800	0.0698	21	0	29
691	83.00	DEAD	0.5600	0.0702	22	0	28
719	84.00	DEAD	0.5400	0.0705	23	0	27
738	87.00	DEAD	0.5200	0.0707	24	0	26
724	88.00	DEAD			25	0	25
733	88.00	DEAD			26	0	24
734	88.00	DEAD	0.4600	0.0705	27	0	23
728	90.00	DEAD	0.4400	0.0702	28	0	22
707	91.00	DEAD			29	0	21
722	91.00	DEAD			30	0	20
725	91.00	DEAD	0.3800	0.0686	31	0	19
706	92.00	DEAD			32	0	18
718	92.00	DEAD	0.3400	0.0670	33	0	17
708	93.00	DEAD	0.3200	0.0660	34	0	16
717	96.00	DEAD	0.3000	0.0648	35	0	15
710	100.00	DEAD	0.2800	0.0635	36	0	14
715	101.00	DEAD	0.2600	0.0620	37	0	13
694	105.00	DEAD			38	0	12
712	105.00	DEAD	0.2200	0.0586	39	0	11
740	109.00	DEAD	0.2000	0.0566	40	0	10
703	115.00	DEAD			41	0	9
714	115.00	DEAD	0.1600	0.0518	42	0	8
692	117.00	CENSORED			42	0	7
697	117.00	CENSORED			42	0	6
699	117.00	CENSORED			42	0	5
705	117.00	CENSORED			42	0	4
720	117.00	CENSORED			42	0	3
723	117.00	CENSORED			42	0	2
736	117.00	CENSORED			42	0	1
737	117.00	CENSORED			42	0	0

MEAN SURVIVAL TIME = 83.92 LIMITED TO 117.00 S.E. = 3.456

QUANTILE	ESTIMATE
75TH	59.00
MEDIAN (50TH)	86.00
25TH	105.00

APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 9 MALES
FURAN (10.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
793	30.00	DEAD			1	0	48
833	30.00	DEAD	0.9592	0.0283	2	0	47
831	40.00	DEAD	0.9388	0.0342	3	0	46
808	52.00	DEAD			4	0	45
823	52.00	DEAD	0.8980	0.0432	5	0	44
798	58.00	DEAD	0.8776	0.0468	6	0	43
805	61.00	DEAD	0.8571	0.0500	7	0	42
810	63.00	DEAD	0.8367	0.0528	8	0	41
811	65.00	DEAD	0.8153	0.0553	9	0	40
815	66.00	DEAD	0.7959	0.0576	10	0	39
826	67.00	DEAD	0.7755	0.0596	11	0	38
806	68.00	DEAD			12	0	37
835	68.00	DEAD	0.7347	0.0631	13	0	36
792	69.00	DEAD	0.7143	0.0645	14	0	35
822	71.00	DEAD	0.6939	0.0658	15	0	34
828	72.00	DEAD	0.6735	0.0670	16	0	33
807	73.00	DEAD			17	0	32
830	73.00	DEAD	0.6327	0.0689	18	0	31
836	74.00	DEAD	0.6122	0.0696	19	0	30
820	75.00	DEAD			20	0	29
834	75.00	DEAD	0.5714	0.0707	21	0	28
813	77.00	DEAD			22	0	27
816	77.00	DEAD	0.5306	0.0713	23	0	26
794	78.00	DEAD			24	0	25
802	78.00	DEAD	0.4898	0.0714	25	0	24
821	79.00	DEAD	0.4694	0.0713	26	0	23
819	80.00	DEAD	0.4490	0.0711	27	0	22
803	81.00	DEAD	0.4286	0.0707	28	0	21
801	85.00	DEAD	0.4082	0.0702	29	0	20
797	87.00	DEAD			30	0	19
827	87.00	DEAD	0.3673	0.0689	31	0	18
832	92.00	DEAD	0.3469	0.0680	32	0	17
818	94.00	DEAD			33	0	16
824	94.00	DEAD	0.3061	0.0658	34	0	15
790	95.00	DEAD			35	0	14
791	95.00	DEAD			36	0	13
795	95.00	DEAD			37	0	12
812	95.00	DEAD	0.2245	0.0596	38	0	11
796	101.00	DEAD			39	0	10
809	101.00	DEAD	0.1837	0.0553	40	0	9
800	103.00	DEAD	0.1633	0.0528	41	0	8
837	106.00	DEAD	0.1429	0.0500	42	0	7
789	107.00	DEAD			43	0	6
817	107.00	DEAD	0.1020	0.0432	44	0	5
804	109.00	DEAD			45	0	4
825	109.00	DEAD	0.0612	0.0342	46	0	3
814	110.00	DEAD	0.0408	0.0283	47	0	2
829	116.00	DEAD	0.0204	0.0202	48	0	1
799	117.00	CENSORED			48	0	0

MEAN SURVIVAL TIME = 80.76 LIMITED TO 117.00 S.E. = 2.987

QUANTILE	ESTIMATE
75TH	66.00
MEDIAN (50TH)	78.00
25TH	95.00

APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 10 MALES
URETHANE (2.5 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
886	11.00	DEAD	0.9800	0.0198	1	0	47
888	26.00	DEAD	0.9600	0.0277	2	0	46
891	35.00	DEAD	0.9400	0.0336	3	0	45
894	37.00	DEAD			4	0	46
900	37.00	DEAD	0.9000	0.0424	5	0	46
916	40.00	DEAD	0.8800	0.0460	6	0	44
887	43.00	DEAD	0.8600	0.0491	7	0	43
911	47.00	DEAD	0.8400	0.0518	8	0	42
928	49.00	DEAD	0.8200	0.0543	9	0	41
934	50.00	DEAD	0.8000	0.0566	10	0	40
902	58.00	DEAD	0.7800	0.0586	11	0	39
935	59.00	DEAD	0.7600	0.0604	12	0	38
890	60.00	DEAD	0.7400	0.0620	13	0	37
933	61.00	DEAD	0.7200	0.0635	14	0	36
917	62.00	DEAD	0.7000	0.0648	15	0	35
907	67.00	DEAD	0.6800	0.0660	16	0	34
931	70.00	DEAD	0.6600	0.0670	17	0	33
889	71.00	DEAD	0.6400	0.0679	18	0	32
901	72.00	DEAD			19	0	31
910	72.00	DEAD	0.6000	0.0693	20	0	30
896	75.00	DEAD			21	0	29
909	75.00	DEAD			22	0	28
915	75.00	DEAD			23	0	27
925	75.00	DEAD	0.5200	0.0707	24	0	26
904	82.00	DEAD	0.5000	0.0707	25	0	25
916	84.00	DEAD			26	0	24
924	84.00	DEAD	0.4600	0.0705	27	0	23
912	86.00	DEAD	0.4400	0.0702	28	0	22
895	89.00	DEAD			29	0	21
929	89.00	DEAD	0.4000	0.0693	30	0	20
892	92.00	DEAD	0.3800	0.0686	31	0	19
927	93.00	DEAD	0.3600	0.0679	32	0	18
897	95.00	DEAD			33	0	17
908	95.00	DEAD			34	0	16
922	95.00	DEAD			35	0	15
932	95.00	DEAD	0.2800	0.0635	36	0	14
898	96.00	DEAD			37	0	13
913	96.00	DEAD			38	0	12
914	96.00	DEAD	0.2200	0.0586	39	0	11
920	97.00	DEAD	0.2000	0.0566	40	0	10
905	102.00	DEAD	0.1800	0.0543	41	0	9
923	103.00	DEAD	0.1600	0.0518	42	0	8
930	108.00	DEAD	0.1400	0.0491	43	0	7
899	109.00	DEAD	0.1200	0.0460	44	0	6
903	111.00	DEAD	0.1000	0.0424	45	0	5
919	116.00	DEAD	0.0800	0.0384	46	0	4
893	117.00	CENSORED			46	0	3
906	117.00	CENSORED			46	0	2
921	117.00	CENSORED			46	0	1
926	117.00	CENSORED			46	0	0

MEAN SURVIVAL TIME = 78.24 LIMITED TO 117.00 S.E. = 3.764

QUANTILE ESTIMATE
5TH 60.00
MEDIAN (50TH) 84.00
95TH 96.00

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APPENDIX 2A (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 11 MALES
URETHANE (5.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
986	29.00	DEAD			1	0	46
987	29.00	DEAD			2	0	45
997	29.00	DEAD	0.9388	0.0342	3	0	44
1012	37.00	DEAD	0.9184	0.0391	4	0	43
994	44.00	DEAD	0.8980	0.0432	5	0	42
1008	47.00	DEAD	0.8776	0.0468	6	0	41
1003	48.00	DEAD	0.8571	0.0500	7	0	40
1002	51.00	DEAD	0.8367	0.0528	8	0	39
983	53.00	DEAD	0.8163	0.0553	9	0	38
1007	55.00	DEAD	0.7959	0.0576	10	0	37
1024	57.00	DEAD	0.7755	0.0596	11	0	36
1006	58.00	DEAD	0.7551	0.0614	12	0	35
1023	63.00	DEAD	0.7347	0.0631	13	0	34
993	64.00	DEAD			14	0	33
1014	64.00	DEAD			15	0	32
1030	64.00	DEAD	0.6735	0.0670	16	0	31
1001	65.00	DEAD	0.6531	0.0680	17	0	30
1020	68.00	DEAD	0.6327	0.0689	18	0	29
992	69.00	DEAD	0.6122	0.0698	19	0	28
1013	71.00	DEAD	0.5918	0.0702	20	0	27
1009	75.00	DEAD			21	0	26
1016	75.00	DEAD	0.5510	0.0711	22	0	25
995	78.00	DEAD			23	0	24
1026	78.00	DEAD	0.5102	0.0714	24	0	23
1011	82.00	DEAD	0.4898	0.0714	25	0	22
988	87.00	DEAD	0.4694	0.0713	26	0	21
999	91.00	DEAD	0.4490	0.0711	27	0	20
984	92.00	DEAD			28	0	19
1004	92.00	DEAD			29	0	18
1010	92.00	DEAD	0.3878	0.0696	30	0	17
1021	93.00	DEAD	0.3673	0.0689	31	0	16
1028	95.00	DEAD			32	0	15
1031	95.00	DEAD	0.3265	0.0670	33	0	14
985	96.00	DEAD			34	0	13
1015	96.00	DEAD	0.2857	0.0645	35	0	12
989	97.00	DEAD	0.2653	0.0631	36	0	11
996	106.00	DEAD	0.2449	0.0614	37	0	10
998	107.00	DEAD			38	0	9
1019	107.00	DEAD			39	0	8
1029	107.00	DEAD	0.1837	0.0553	40	0	7
1000	109.00	DEAD	0.1633	0.0528	41	0	6
1022	110.00	DEAD			42	0	5
1027	110.00	DEAD	0.1224	0.0468	43	0	4
1018	112.00	DEAD	0.1020	0.0432	44	0	3
990	117.00	CENSORED			44	0	2
991	117.00	CENSORED			44	0	1
1005	117.00	CENSORED			44	0	0
1017	117.00	CENSORED			44	0	
1025	117.00	CENSORED			44	0	

MEAN SURVIVAL TIME = 80.24 LIMITED TO 117.00 S.E. = 3.770

QUANTILE	ESTIMATE
75TH	63.00
MEDIAN (50TH)	62.00
25TH	106.00

APPENDIX 2B
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 1 FEMALES
VEHICLE CONTROL

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
92	34.00	DEAD	0.9792	0.0206	1	0	47
53	36.00	DEAD	0.9583	0.0288	2	0	46
68	41.00	DEAD	0.9375	0.0349	3	0	45
62	47.00	DEAD	0.9167	0.0399	4	0	44
69	50.00	DEAD	0.8958	0.0441	5	0	43
57	54.00	DEAD	0.8750	0.0477	6	0	42
50	56.00	DEAD	0.8542	0.0509	7	0	41
73	60.00	DEAD			8	0	40
79	60.00	DEAD	0.8125	0.0563	9	0	39
71	61.00	DEAD			10	0	38
74	61.00	DEAD			11	0	37
80	61.00	DEAD	0.7500	0.0625	12	0	36
87	62.00	DEAD	0.7292	0.0641	13	0	35
83	63.00	DEAD	0.7083	0.0656	14	0	34
63	65.00	DEAD	0.6875	0.0669	15	0	33
93	66.00	DEAD	0.6667	0.0680	16	0	32
65	67.00	DEAD	0.6458	0.0690	17	0	31
58	71.00	DEAD			18	0	30
88	71.00	DEAD	0.6042	0.0706	19	0	29
82	72.00	DEAD			20	0	28
86	72.00	DEAD	0.5625	0.0716	21	0	27
91	73.00	DEAD	0.5417	0.0719	22	0	26
54	74.00	DEAD	0.5208	0.0721	23	0	25
52	75.00	DEAD			24	0	24
75	75.00	DEAD			25	0	23
78	75.00	DEAD			26	0	22
85	75.00	DEAD	0.4375	0.0716	27	0	21
70	76.00	DEAD			28	0	20
96	76.00	DEAD	0.3958	0.0706	29	0	19
59	77.00	DEAD			30	0	18
90	77.00	DEAD	0.3542	0.0690	31	0	17
67	78.00	DEAD	0.3333	0.0680	32	0	16
49	79.00	DEAD			33	0	15
76	79.00	DEAD	0.2917	0.0656	34	0	14
77	80.00	DEAD	0.2708	0.0641	35	0	13
51	81.00	DEAD	0.2500	0.0625	36	0	12
56	83.00	DEAD	0.2292	0.0607	37	0	11
64	85.00	DEAD			38	0	10
95	85.00	DEAD	0.1875	0.0563	39	0	9
61	86.00	DEAD	0.1667	0.0538	40	0	8
55	88.00	DEAD	0.1458	0.0509	41	0	7
84	90.00	DEAD	0.1250	0.0477	42	0	6
94	92.00	DEAD	0.1042	0.0441	43	0	5
60	93.00	DEAD	0.0833	0.0399	44	0	4
81	94.00	DEAD	0.0625	0.0349	45	0	3
66	95.00	DEAD	0.0417	0.0288	46	0	2
72	103.00	CENSORED			46	0	1
89	103.00	CENSORED			46	0	0

MEAN SURVIVAL TIME = 72.44 LIMITED TO 103.00 S.E. = 2.282

QUANTILE	ESTIMATE
75TH	62.00
MEDIAN (50TH)	75.00
25TH	83.00

APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 2 FEMALES
Fe₂O₃ + VEHICLE

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
148	21.00	DEAD	0.9800	0.0198	1	0	49
190	22.00	DEAD	0.9600	0.0277	2	0	48
157	36.00	DEAD	0.9400	0.0336	3	0	47
182	46.00	DEAD			4	0	46
186	46.00	DEAD	0.9000	0.0424	5	0	45
179	49.00	DEAD	0.8800	0.0460	6	0	44
162	50.00	DEAD	0.8600	0.0491	7	0	43
184	51.00	DEAD	0.8400	0.0518	8	0	42
152	52.00	DEAD			9	0	41
172	52.00	DEAD	0.8000	0.0566	10	0	40
163	53.00	DEAD	0.7800	0.0586	11	0	39
156	54.00	DEAD	0.7600	0.0604	12	0	38
192	57.00	DEAD	0.7400	0.0620	13	0	37
167	58.00	DEAD	0.7200	0.0635	14	0	36
176	61.00	DEAD	0.7000	0.0648	15	0	35
150	62.00	DEAD	0.6800	0.0660	16	0	34
147	63.00	DEAD			17	0	33
168	63.00	DEAD	0.6400	0.0679	18	0	32
191	64.00	DEAD	0.6200	0.0686	19	0	31
155	68.00	DEAD			20	0	30
164	68.00	DEAD			21	0	29
180	68.00	DEAD			22	0	28
193	68.00	DEAD	0.5400	0.0705	23	0	27
194	69.00	DEAD	0.5200	0.0707	24	0	26
171	70.00	DEAD	0.5000	0.0707	25	0	25
177	71.00	DEAD	0.4800	0.0707	26	0	24
149	72.00	DEAD			27	0	23
159	72.00	DEAD			28	0	22
169	72.00	DEAD	0.4200	0.0698	29	0	21
187	78.00	DEAD	0.4000	0.0693	30	0	20
166	81.00	DEAD			31	0	19
185	81.00	DEAD	0.3600	0.0679	32	0	18
196	82.00	DEAD	0.3400	0.0670	33	0	17
154	83.00	DEAD			34	0	16
195	83.00	DEAD	0.3000	0.0648	35	0	15
158	84.00	DEAD			36	0	14
175	84.00	DEAD	0.2600	0.0620	37	0	13
165	85.00	DEAD			38	0	12
174	85.00	DEAD	0.2200	0.0586	39	0	11
173	92.00	DEAD			40	0	10
181	92.00	DEAD	0.1800	0.0543	41	0	9
153	93.00	DEAD	0.1600	0.0518	42	0	8
151	94.00	DEAD			43	0	7
188	94.00	DEAD			44	0	6
189	94.00	DEAD	0.1000	0.0424	45	0	5
178	102.00	DEAD	0.0800	0.0384	46	0	4
160	103.00	CENSORED			46	0	3
161	103.00	CENSORED			46	0	2
170	103.00	CENSORED			46	0	1
183	103.00	CENSORED			46	0	0

MEAN SURVIVAL TIME = 71.14 LIMITED TO 103.00 S.E. = 2.874

QUANTILE	ESTIMATE
75TH	57.00
MEDIAN (50TH)	71.00
25TH	85.00

APPENDIX 2B (Continued)
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
 GROUP 3 FEMALES
 BaP + Fe₂O₃

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
253	4.00	DEAD	0.9800	0.0198	1	0	49
262	11.00	DEAD	0.9600	0.0277	2	0	48
293	20.00	DEAD	0.9400	0.0336	3	0	47
274	24.00	DEAD	0.9200	0.0384	4	0	46
254	26.00	DEAD			5	0	45
289	26.00	DEAD	0.8800	0.0460	6	0	44
282	29.00	DEAD	0.8600	0.0491	7	0	43
268	30.00	DEAD	0.8400	0.0518	8	0	42
280	33.00	DEAD	0.8200	0.0543	9	0	41
258	34.00	DEAD	0.8000	0.0566	10	0	40
250	37.00	DEAD			11	0	39
281	37.00	DEAD	0.7600	0.0604	12	0	38
248	38.00	DEAD	0.7400	0.0620	13	0	37
260	40.00	DEAD			14	0	36
291	40.00	DEAD	0.7000	0.0648	15	0	35
261	41.00	DEAD			16	0	34
275	41.00	DEAD	0.6600	0.0670	17	0	33
266	43.00	DEAD	0.6400	0.0679	18	0	32
246	45.00	DEAD	0.6200	0.0686	19	0	31
292	47.00	DEAD	0.6000	0.0693	20	0	30
270	50.00	DEAD	0.5800	0.0698	21	0	29
252	51.00	DEAD	0.5600	0.0702	22	0	28
249	52.00	DEAD			23	0	27
265	52.00	DEAD	0.5200	0.0707	24	0	26
257	53.00	DEAD	0.5000	0.0707	25	0	25
264	55.00	DEAD			26	0	24
287	55.00	DEAD	0.4600	0.0705	27	0	23
285	57.00	DEAD	0.4400	0.0702	28	0	22
263	58.00	DEAD			29	0	21
294	58.00	DEAD	0.4000	0.0693	30	0	20
273	61.00	DEAD			31	0	19
279	61.00	DEAD	0.3600	0.0679	32	0	18
256	62.00	DEAD			33	0	17
278	62.00	DEAD	0.3200	0.0660	34	0	16
272	66.00	DEAD			35	0	15
277	66.00	DEAD	0.2800	0.0635	36	0	14
259	67.00	DEAD			37	0	13
283	67.00	DEAD	0.2400	0.0604	38	0	12
288	68.00	DEAD	0.2200	0.0586	39	0	11
271	69.00	DEAD	0.2000	0.0566	40	0	10
276	70.00	DEAD	0.1800	0.0543	41	0	9
245	71.00	DEAD	0.1600	0.0518	42	0	8
286	74.00	DEAD	0.1400	0.0491	43	0	7
290	78.00	DEAD	0.1200	0.0460	44	0	6
269	80.00	DEAD	0.1000	0.0424	45	0	5
247	82.00	DEAD			46	0	4
255	82.00	DEAD	0.0600	0.0336	47	0	3
251	86.00	DEAD			48	0	2
267	86.00	DEAD	0.0200	0.0198	49	0	1
284	91.00	DEAD	0.0000	0.0000	50	0	0

MEAN SURVIVAL TIME = 52.72

S.E. = 2.877

QUANTILE	ESTIMATE
75TH	38.00
MEDIAN (50TH)	55.00
25TH	67.00

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APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 4 FEMALES
SHELL SAND (5.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
348	9.00	DEAD	0.9796	0.0202	1	0	48
392	17.00	DEAD	0.9592	0.0283	2	0	47
353	27.00	DEAD	0.9388	0.0342	3	0	46
369	44.00	DEAD			4	0	45
384	44.00	DEAD	0.8980	0.0432	5	0	44
379	50.00	DEAD	0.8776	0.0468	6	0	43
358	51.00	DEAD	0.8571	0.0500	7	0	42
382	58.00	DEAD	0.8367	0.0528	8	0	41
368	59.00	DEAD			9	0	40
385	59.00	DEAD	0.7959	0.0576	10	0	39
357	60.00	DEAD	0.7755	0.0596	11	0	38
388	61.00	DEAD	0.7551	0.0614	12	0	37
387	62.00	DEAD	0.7347	0.0631	13	0	36
363	66.00	DEAD			14	0	35
375	66.00	DEAD			15	0	34
389	66.00	DEAD	0.6735	0.0670	16	0	33
345	67.00	DEAD			17	0	32
347	67.00	DEAD			18	0	31
350	67.00	DEAD			19	0	30
360	67.00	DEAD			20	0	29
378	67.00	DEAD	0.5714	0.0707	21	0	28
370	68.00	DEAD	0.5510	0.0711	22	0	27
365	70.00	DEAD			23	0	26
371	70.00	DEAD	0.5102	0.0714	24	0	25
390	71.00	DEAD	0.4898	0.0714	25	0	24
393	77.00	DEAD	0.4694	0.0713	26	0	23
359	79.00	DEAD			27	0	22
366	79.00	DEAD	0.4286	0.0707	28	0	21
373	80.00	DEAD			29	0	20
374	80.00	DEAD	0.3878	0.0696	30	0	19
377	81.00	DEAD	0.3673	0.0689	31	0	18
372	84.00	DEAD	0.3469	0.0680	32	0	17
354	85.00	DEAD	0.3265	0.0670	33	0	16
349	88.00	DEAD			34	0	15
351	88.00	DEAD			35	0	14
361	88.00	DEAD			36	0	13
367	88.00	DEAD	0.2449	0.0614	37	0	12
356	93.00	DEAD	0.2245	0.0596	38	0	11
353	94.00	DEAD	0.2041	0.0576	39	0	10
376	98.00	DEAD	0.1837	0.0553	40	0	9
346	103.00	CENSORED			40	0	8
352	103.00	CENSORED			40	0	7
362	103.00	CENSORED			40	0	6
364	103.00	CENSORED			40	0	5
380	103.00	CENSORED			40	0	4
381	103.00	CENSORED			40	0	3
383	103.00	CENSORED			40	0	2
386	103.00	CENSORED			40	0	1
391	103.00	CENSORED			40	0	0

MEAN SURVIVAL TIME = 73.92 LIMITED TO 103.00 S.E. = 3.229

QUANTILE	ESTIMATE
75TH	62.00
MEDIAN (50TH)	71.00
25TH	88.00

APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 5 FEMALES
SHELL SAND (10.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
483	10.00	DEAD			1	0	49
486	10.00	DEAD			2	0	48
489	10.00	DEAD	0.9400	0.0336	3	0	47
490	15.00	DEAD			4	0	46
491	15.00	DEAD			5	0	45
493	15.00	DEAD	0.8800	0.0460	6	0	44
452	16.00	DEAD	0.8600	0.0491	7	0	43
449	20.00	DEAD	0.8400	0.0518	8	0	42
457	30.00	DEAD	0.8200	0.0543	9	0	41
446	32.00	DEAD	0.8000	0.0566	10	0	40
445	37.00	DEAD			11	0	39
459	37.00	DEAD	0.7600	0.0604	12	0	38
462	38.00	DEAD	0.7400	0.0620	13	0	37
467	44.00	DEAD	0.7200	0.0635	14	0	36
485	45.00	DEAD	0.7000	0.0648	15	0	35
492	46.00	DEAD	0.6800	0.0660	16	0	34
474	54.00	DEAD	0.6600	0.0670	17	0	33
453	60.00	DEAD	0.6400	0.0679	18	0	32
448	61.00	DEAD			19	0	31
456	61.00	DEAD			20	0	30
481	61.00	DEAD	0.5800	0.0698	21	0	29
475	62.00	DEAD			22	0	28
480	62.00	DEAD	0.5400	0.0705	23	0	27
450	69.00	DEAD	0.5200	0.0707	24	0	26
451	72.00	DEAD	0.5000	0.0707	25	0	25
473	73.00	DEAD	0.4800	0.0707	26	0	24
466	74.00	DEAD	0.4600	0.0705	27	0	23
470	77.00	DEAD			28	0	22
479	77.00	DEAD	0.4200	0.0698	29	0	21
476	78.00	DEAD			30	0	20
487	78.00	DEAD			31	0	19
488	78.00	DEAD	0.3600	0.0679	32	0	18
460	79.00	DEAD	0.3400	0.0670	33	0	17
464	81.00	DEAD	0.3200	0.0660	34	0	16
469	84.00	DEAD	0.3000	0.0648	35	0	15
472	85.00	DEAD	0.2800	0.0635	36	0	14
463	87.00	DEAD			37	0	13
482	87.00	DEAD	0.2400	0.0604	38	0	12
454	90.00	DEAD	0.2200	0.0586	39	0	11
468	92.00	DEAD	0.2000	0.0566	40	0	10
447	93.00	DEAD	0.1800	0.0543	41	0	9
455	94.00	DEAD	0.1600	0.0518	42	0	8
471	95.00	DEAD	0.1400	0.0491	43	0	7
477	97.00	DEAD			44	0	6
478	97.00	DEAD	0.1000	0.0424	45	0	5
465	102.00	DEAD	0.0800	0.0384	46	0	4
444	103.00	CENSORED			46	0	3
458	103.00	CENSORED			46	0	2
461	103.00	CENSORED			46	0	1
484	103.00	CENSORED			46	0	0

MEAN SURVIVAL TIME = 63.84 LIMITED TO 103.00 S.E. = 4.204

QUANTILE	ESTIMATE
75TH	38.00
MEDIAN (50TH)	73.00
25TH	87.00

APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 6 FEMALES
GREEN SAND (5.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
580	29.00	DEAD	0.9792	0.0206	1	0	47
549	37.00	DEAD	0.9583	0.0288	2	0	46
583	41.00	DEAD	0.9375	0.0349	3	0	45
575	44.00	DEAD	0.9167	0.0399	4	0	44
553	48.00	DEAD	0.8958	0.0441	5	0	43
551	52.00	DEAD	0.8750	0.0477	6	0	42
554	54.00	DEAD	0.8542	0.0509	7	0	41
572	60.00	DEAD	0.8333	0.0538	8	0	40
565	61.00	DEAD			9	0	39
579	61.00	DEAD	0.7917	0.0586	10	0	38
574	62.00	DEAD			11	0	37
586	62.00	DEAD	0.7500	0.0625	12	0	36
573	63.00	DEAD	0.7292	0.0641	13	0	35
585	65.00	DEAD	0.7083	0.0656	14	0	34
564	66.00	DEAD			15	0	33
578	66.00	DEAD	0.6667	0.0680	16	0	32
561	67.00	DEAD	0.6458	0.0690	17	0	31
555	68.00	DEAD	0.6250	0.0699	18	0	30
558	70.00	DEAD	0.6042	0.0706	19	0	29
566	71.00	DEAD			20	0	28
582	71.00	DEAD	0.5625	0.0716	21	0	27
544	73.00	DEAD			22	0	26
546	73.00	DEAD	0.5208	0.0721	23	0	25
547	75.00	DEAD			24	0	24
560	75.00	DEAD			25	0	23
563	75.00	DEAD	0.4583	0.0719	26	0	22
548	76.00	DEAD	0.4375	0.0716	27	0	21
552	78.00	DEAD			28	0	20
584	78.00	DEAD			29	0	19
591	78.00	DEAD	0.3750	0.0699	30	0	18
576	79.00	DEAD	0.3542	0.0690	31	0	17
570	80.00	DEAD	0.3334	0.0680	32	0	16
559	81.00	DEAD			33	0	15
589	81.00	DEAD	0.2918	0.0669	34	0	14
568	82.00	DEAD	0.2708	0.0641	35	0	13
569	82.00	DEAD			36	0	12
581	83.00	DEAD	0.2292	0.0607	37	0	11
590	83.00	DEAD	0.2083	0.0586	38	0	10
567	86.00	DEAD	0.1875	0.0563	39	0	9
557	87.00	DEAD			40	0	8
577	87.00	DEAD	0.1458	0.0509	41	0	7
545	90.00	DEAD			42	0	6
550	90.00	DEAD	0.1042	0.0441	43	0	5
562	93.00	DEAD	0.0833	0.0399	44	0	4
587	96.00	DEAD	0.0625	0.0349	45	0	3
556	103.00	CENSORED			45	0	2
571	103.00	CENSORED			45	0	1
588	103.00	CENSORED			45	0	0

MEAN SURVIVAL TIME = 72.75 LIMITED TO 103.00 S.E. = 2.409

QUANTILE	ESTIMATE
75TH	63.00
MEDIAN (50TH)	75.00
25TH	83.00

APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 7 FEMALES
GREEN SAND (10.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
673	15.00	DEAD	0.9800	0.0198	1	0	49
689	31.00	DEAD	0.9600	0.0277	2	0	48
668	35.00	DEAD	0.9400	0.0336	3	0	47
675	36.00	DEAD	0.9200	0.0384	4	0	46
680	38.00	DEAD	0.9000	0.0424	5	0	45
648	48.00	DEAD	0.8800	0.0460	6	0	44
672	58.00	DEAD	0.8600	0.0491	7	0	43
653	59.00	DEAD	0.8400	0.0518	8	0	42
643	61.00	DEAD	0.8200	0.0543	9	0	41
670	62.00	DEAD			10	0	40
683	62.00	DEAD	0.7800	0.0586	11	0	39
688	63.00	DEAD	0.7600	0.0604	12	0	38
654	64.00	DEAD			13	0	37
681	64.00	DEAD	0.7200	0.0635	14	0	36
641	65.00	DEAD	0.7000	0.0648	15	0	35
679	66.00	DEAD	0.6800	0.0660	16	0	34
650	68.00	DEAD			17	0	33
687	68.00	DEAD	0.6400	0.0679	18	0	32
655	71.00	DEAD	0.6200	0.0686	19	0	31
658	72.00	DEAD	0.6000	0.0693	20	0	30
647	73.00	DEAD			21	0	29
656	73.00	DEAD			22	0	28
667	73.00	DEAD			23	0	27
676	73.00	DEAD	0.5200	0.0707	24	0	26
690	74.00	DEAD	0.5000	0.0707	25	0	25
665	75.00	DEAD			26	0	24
678	75.00	DEAD	0.4600	0.0705	27	0	23
644	78.00	DEAD			28	0	22
652	78.00	DEAD			29	0	21
686	78.00	DEAD	0.4000	0.0693	30	0	20
642	79.00	DEAD	0.3800	0.0686	31	0	19
685	80.00	DEAD	0.3600	0.0679	32	0	18
660	83.00	DEAD			33	0	17
671	83.00	DEAD			34	0	16
677	83.00	DEAD	0.3000	0.0648	35	0	15
663	84.00	DEAD			36	0	14
684	84.00	DEAD	0.2600	0.0620	37	0	13
674	86.00	DEAD	0.2400	0.0604	38	0	12
651	88.00	DEAD	0.2200	0.0586	39	0	11
645	89.00	DEAD	0.2000	0.0566	40	0	10
659	93.00	DEAD	0.1800	0.0543	41	0	9
669	97.00	DEAD	0.1600	0.0518	42	0	8
664	98.00	DEAD	0.1400	0.0491	43	0	7
666	100.00	DEAD	0.1200	0.0460	44	0	6
657	101.00	DEAD	0.1000	0.0424	45	0	5
646	102.00	DEAD	0.0800	0.0384	46	0	4
682	103.00	DEAD	0.0600	0.0336	47	0	3
649	103.00	CENSORED			47	0	2
661	103.00	CENSORED			47	0	1
662	103.00	CENSORED			47	0	0

MEAN SURVIVAL TIME = 73.96 LIMITED TO 103.00 S.E. = 2.852

QUANTILE	ESTIMATE
75TH	64.00
MEDIAN (50TH)	75.00
25TH	86.00

APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 8 FEMALES
FURAN (5.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
753	29.00	DEAD	0.9792	0.0206	1	0	47
748	34.00	DEAD	0.9583	0.0288	2	0	46
772	35.00	DEAD	0.9375	0.0349	3	0	45
761	38.00	DEAD	0.9167	0.0399	4	0	44
770	39.00	DEAD	0.8958	0.0441	5	0	43
755	43.00	DEAD	0.8750	0.0477	6	0	42
751	50.00	DEAD	0.8542	0.0509	7	0	41
774	51.00	DEAD	0.8333	0.0538	8	0	40
754	53.00	DEAD	0.8125	0.0563	9	0	39
760	55.00	DEAD	0.7917	0.0586	10	0	38
756	56.00	DEAD			11	0	37
771	56.00	DEAD	0.7500	0.0625	12	0	36
783	60.00	DEAD	0.7292	0.0641	13	0	35
742	61.00	DEAD			14	0	34
747	61.00	DEAD			15	0	33
787	61.00	DEAD	0.6667	0.0680	16	0	32
741	62.00	DEAD			17	0	31
763	62.00	DEAD	0.6250	0.0699	18	0	30
758	64.00	DEAD	0.6042	0.0706	19	0	29
773	65.00	DEAD	0.5833	0.0712	20	0	28
749	66.00	DEAD	0.5625	0.0716	21	0	27
781	69.00	DEAD	0.5417	0.0719	22	0	26
776	70.00	DEAD	0.5208	0.0721	23	0	25
764	72.00	DEAD			24	0	24
768	72.00	DEAD	0.4792	0.0721	25	0	23
745	73.00	DEAD	0.4583	0.0719	26	0	22
769	76.00	DEAD			27	0	21
785	76.00	DEAD	0.4167	0.0712	28	0	20
744	77.00	DEAD	0.3958	0.0706	29	0	19
757	79.00	DEAD			30	0	18
782	79.00	DEAD	0.3542	0.0690	31	0	17
786	84.00	DEAD	0.3333	0.0680	32	0	16
765	87.00	DEAD	0.3125	0.0669	33	0	15
767	88.00	DEAD			34	0	14
780	88.00	DEAD	0.2708	0.0641	35	0	13
750	89.00	DEAD			36	0	12
766	89.00	DEAD			37	0	11
775	89.00	DEAD	0.2083	0.0586	38	0	10
777	91.00	DEAD	0.1875	0.0563	39	0	9
743	92.00	DEAD	0.1667	0.0538	40	0	8
752	95.00	DEAD			41	0	7
759	95.00	DEAD			42	0	6
762	95.00	DEAD	0.1042	0.0441	43	0	5
778	96.00	DEAD	0.0833	0.0399	44	0	4
779	100.00	DEAD	0.0625	0.0349	45	0	3
788	102.00	DEAD	0.0417	0.0288	46	0	2
746	103.00	CENSORED			46	0	1
784	103.00	CENSORED			46	0	0

MEAN SURVIVAL TIME = 71.46 LIMITED TO 103.00 S.E. = 2.903

QUANTILE	ESTIMATE
75TH	60.00
MEDIAN (50TH)	72.00
25TH	89.00

APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 9 FEMALES
FURAN (10.0 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
883	32.00	DEAD	0.9737	0.0210	1	0	46
865	35.00	DEAD	0.9574	0.0294	2	0	45
850	43.00	DEAD	0.9362	0.0337	3	0	44
845	46.00	DEAD	0.9149	0.0407	4	0	43
868	48.00	DEAD	0.8936	0.0450	5	0	42
852	50.00	DEAD	0.8723	0.0487	6	0	41
874	52.00	DEAD	0.8511	0.0519	7	0	40
872	54.00	DEAD	0.8298	0.0548	8	0	39
854	55.00	DEAD	0.8085	0.0574	9	0	38
853	56.00	DEAD	0.7872	0.0597	10	0	37
867	60.00	DEAD	0.7660	0.0618	11	0	36
842	62.00	DEAD			12	0	35
851	62.00	DEAD			13	0	34
864	62.00	DEAD	0.7021	0.0667	14	0	33
839	63.00	DEAD			15	0	32
848	63.00	DEAD	0.6596	0.0691	16	0	31
847	64.00	DEAD			17	0	30
870	64.00	DEAD	0.6170	0.0709	18	0	29
860	65.00	DEAD			19	0	28
875	65.00	DEAD	0.5745	0.0721	20	0	27
873	67.00	DEAD			21	0	26
879	67.00	DEAD	0.5319	0.0728	22	0	25
837	69.00	DEAD			23	0	24
843	69.00	DEAD			24	0	23
846	69.00	DEAD			25	0	22
856	69.00	DEAD	0.4468	0.0725	26	0	21
866	70.00	DEAD	0.4255	0.0721	27	0	20
838	72.00	DEAD			28	0	19
881	72.00	DEAD	0.3830	0.0709	29	0	18
861	74.00	DEAD			30	0	17
862	74.00	DEAD			31	0	16
880	74.00	DEAD	0.3191	0.0680	32	0	15
878	75.00	DEAD	0.2979	0.0667	33	0	14
855	76.00	DEAD	0.2766	0.0652	34	0	13
841	78.00	DEAD	0.2553	0.0636	35	0	12
876	79.00	DEAD	0.2340	0.0618	36	0	11
857	81.00	DEAD	0.2128	0.0597	37	0	10
849	82.00	DEAD	0.1915	0.0574	38	0	9
863	83.00	DEAD	0.1702	0.0548	39	0	8
844	93.00	DEAD			40	0	7
869	93.00	DEAD			41	0	6
871	93.00	DEAD	0.1064	0.0450	42	0	5
877	97.00	DEAD	0.0851	0.0407	43	0	4
840	98.00	DEAD			44	0	3
859	98.00	DEAD	0.0426	0.0294	45	0	2
858	102.00	DEAD	0.0213	0.0210	46	0	1
882	103.00	CENSORED			46	0	0

MEAN SURVIVAL TIME = 69.74 LIMITED TO 103.00 S.E. = 2.454

QUANTILE ESTIMATE
75TH 62.00
MEDIAN (50TH) 69.00
25TH 79.00

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APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)
GROUP 10 FEMALES
URETHANE (2.5 mg)

CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
970	14.00	DEAD	0.9787	0.0210	1	0	46
958	25.00	DEAD	0.9574	0.0294	2	0	45
945	32.00	DEAD			3	0	44
952	32.00	DEAD	0.9149	0.0407	4	0	43
949	38.00	DEAD	0.8936	0.0450	5	0	42
946	39.00	DEAD	0.8723	0.0487	6	0	41
979	46.00	DEAD	0.8511	0.0519	7	0	40
981	48.00	DEAD	0.8298	0.0548	8	0	39
964	52.00	DEAD	0.8085	0.0574	9	0	38
950	54.00	DEAD	0.7872	0.0597	10	0	37
962	62.00	DEAD	0.7660	0.0618	11	0	36
941	63.00	DEAD	0.7447	0.0636	12	0	35
936	64.00	DEAD			13	0	34
955	64.00	DEAD			14	0	33
969	64.00	DEAD	0.6809	0.0680	15	0	32
947	66.00	DEAD	0.6596	0.0691	16	0	31
939	68.00	DEAD			17	0	30
959	68.00	DEAD	0.6170	0.0709	18	0	29
963	69.00	DEAD	0.5957	0.0716	19	0	28
968	70.00	DEAD			20	0	27
974	70.00	DEAD	0.5532	0.0725	21	0	26
938	71.00	DEAD	0.5319	0.0728	22	0	25
940	72.00	DEAD	0.5106	0.0729	23	0	24
967	73.00	DEAD			24	0	23
972	73.00	DEAD	0.4681	0.0728	25	0	22
971	74.00	DEAD	0.4468	0.0725	26	0	21
943	75.00	DEAD			27	0	20
960	75.00	DEAD			28	0	19
961	75.00	DEAD	0.3830	0.0709	29	0	18
980	77.00	DEAD	0.3617	0.0701	30	0	17
954	78.00	DEAD	0.3404	0.0691	31	0	16
951	79.00	DEAD	0.3191	0.0680	32	0	15
948	82.00	DEAD			33	0	14
978	82.00	DEAD	0.2766	0.0652	34	0	13
973	85.00	DEAD			35	0	12
982	85.00	DEAD	0.2340	0.0618	36	0	11
976	86.00	DEAD	0.2128	0.0597	37	0	10
957	89.00	DEAD			38	0	9
966	89.00	DEAD	0.1702	0.0548	39	0	8
965	92.00	DEAD			40	0	7
977	92.00	DEAD	0.1277	0.0487	41	0	6
942	93.00	DEAD			42	0	5
944	93.00	DEAD	0.0851	0.0407	43	0	4
937	95.00	DEAD	0.0638	0.0357	44	0	3
975	97.00	DEAD	0.0426	0.0294	45	0	2
953	100.00	DEAD	0.0213	0.0210	46	0	1
956	103.00	CENSORED			46	0	0

MEAN SURVIVAL TIME = 70.06 LIMITED TO 103.00 S.E. = 2.984

QUANTILE	ESTIMATE
75TH	63.00
MEDIAN (50TH)	73.00
25TH	85.00

APPENDIX 2B (Continued)
SURVIVAL ANALYSIS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
GROUP 11 FEMALES
URETHANE (5.0 mg)

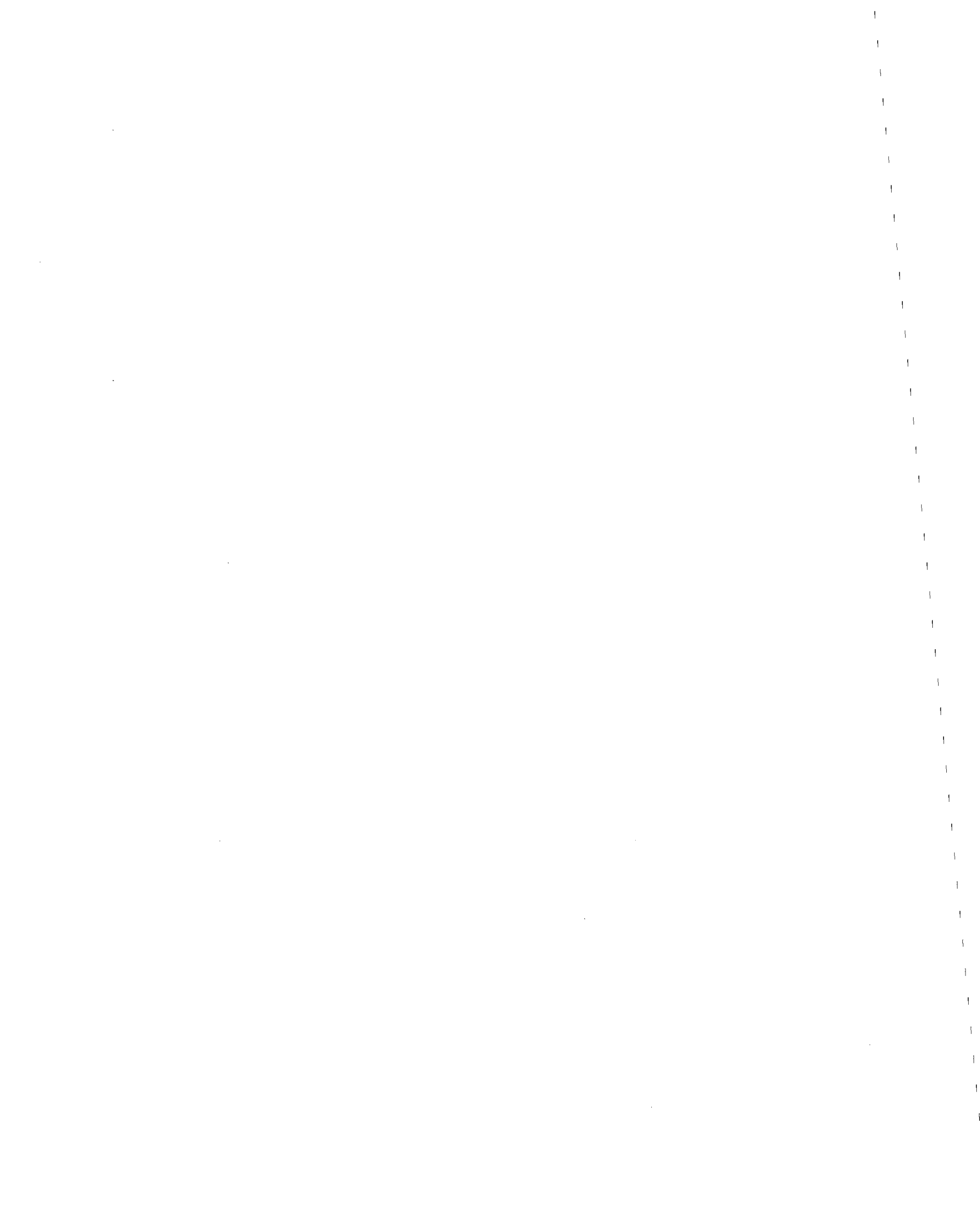
CASE NUMBER ^a	TIME (WEEK)	STATUS ^b	CUMULATIVE SURVIVAL	STANDARD ERROR	CUM DEATHS	CUM LOST	REMAIN AT RISK
1065	18.00	DEAD	0.9783	0.0215	1	0	45
1071	29.00	DEAD	0.9563	0.0301	2	0	44
1047	30.00	DEAD	0.9348	0.0364	3	0	43
1063	35.00	DEAD	0.9130	0.0415	4	0	42
1040	37.00	DEAD	0.8913	0.0459	5	0	41
1045	38.00	DEAD	0.8696	0.0477	6	0	40
1058	40.00	DEAD	0.8478	0.0530	7	0	39
1050	60.00	DEAD	0.8261	0.0559	8	0	38
1031	62.00	DEAD			9	0	37
1051	62.00	DEAD			10	0	36
1069	62.00	DEAD	0.7609	0.0629	11	0	35
1043	63.00	DEAD			12	0	34
1048	63.00	DEAD			13	0	33
1056	63.00	DEAD	0.6957	0.0678	14	0	32
1036	64.00	DEAD			15	0	31
1046	64.00	DEAD	0.6522	0.0702	16	0	30
1042	65.00	DEAD			17	0	29
1052	65.00	DEAD	0.6087	0.0720	18	0	28
1039	66.00	DEAD			19	0	27
1041	66.00	DEAD			20	0	26
1060	66.00	DEAD	0.5435	0.0734	21	0	25
1070	67.00	DEAD	0.5217	0.0737	22	0	24
1067	68.00	DEAD	0.5000	0.0737	23	0	23
1037	69.00	DEAD			24	0	22
1049	69.00	DEAD			25	0	21
1064	69.00	DEAD	0.4348	0.0731	26	0	20
1035	70.00	DEAD	0.4130	0.0726	27	0	19
1054	71.00	DEAD			28	0	18
1072	71.00	DEAD	0.3696	0.0712	29	0	17
1034	73.00	DEAD			30	0	16
1062	73.00	DEAD	0.3261	0.0691	31	0	15
1066	74.00	DEAD	0.3043	0.0678	32	0	14
1032	75.00	DEAD			33	0	13
1068	75.00	DEAD	0.2609	0.0647	34	0	12
1061	77.00	DEAD	0.2391	0.0629	35	0	11
1059	78.00	DEAD	0.2174	0.0608	36	0	10
1075	79.00	DEAD	0.1957	0.0585	37	0	9
1053	80.00	DEAD	0.1739	0.0559	38	0	8
1030	82.00	DEAD	0.1522	0.0530	39	0	7
1055	83.00	DEAD	0.1304	0.0497	40	0	6
1033	85.00	DEAD	0.1087	0.0459	41	0	5
1074	86.00	DEAD	0.0870	0.0415	42	0	4
1073	87.00	DEAD	0.0652	0.0364	43	0	3
1057	92.00	DEAD	0.0435	0.0301	44	0	2
1038	103.00	CENSORED			44	0	1
1044	103.00	CENSORED			44	0	0

MEAN SURVIVAL TIME = 66.89 LIMITED TO 103.00 S.E. = 2.638

QUANTILE ESTIMATE
75TH 63.00
MEDIAN (50TH) 69.00
25TH 77.00

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APPENDIX 3
INDIVIDUAL AND MEAN BODY WEIGHTS
KEY TO GROUP IDENTIFICATION

<u>GROUP NUMBER</u>	<u>TREATMENT</u>	<u>DOSE LEVEL (mg/0.2 ml distilled water)</u>
1	Vehicle Control	--
2	Ferric Oxide Control (Fe_2O_3 + Vehicle)	3.0
3	Positive Control (BaP + Fe_2O_3)	3.0 + 3.0
4	Shell Sand	5.0
5	Shell Sand	10.0
6	Green Sand	5.0
7	Green Sand	10.0
8	Furan	5.0
9	Furan	10.0
10	Urethane	2.5
11	Urethane	5.0

APPENDIX 3A

MALES

1944
5. 17.

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APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 1 MALES

ANIMAL NUMBER	11	12	13	14	15	16	17	18	22	26
18600	125.0	128.0	128.2	110.5	117.7	120.7	130.0	131.7	143.8	128.7
18601	117.5	117.9	126.2	125.5	122.6	124.6	126.2	127.6	131.4	122.0
18602	123.1	125.9	126.2	125.0	130.7	138.0	136.0	137.6	132.5	124.8
18603	129.2	130.4	135.9	131.2	132.7	130.1	139.2	133.5	133.8	128.9
18604	120.4	125.3	128.1	126.9	128.2	140.4	127.0	119.3	143.4	119.5
18605	110.7	110.5	116.2	114.7	113.3	123.1	121.0	117.4	120.0	121.3
18606	130.9	129.4	138.4	136.8	137.0	127.7	116.5	126.4	124.3	113.9
18608	111.0	112.3	113.4	114.5	111.6	111.6	108.0	99.3	113.6	116.6
18610	144.4	109.6	121.1	118.5	122.0	120.9	151.2	127.3	153.8	149.6
18611	115.2	126.4	119.0	115.6	110.8	110.9	106.0	107.3	131.6	101.7
18612	123.7	120.4	119.1	133.0	138.7	138.7	141.1	137.0	102.7	118.9
18613	103.3	120.3	119.1	119.0	119.0	117.2	115.7	115.0	111.4	107.1
18614	114.6	127.4	123.2	122.0	121.8	121.8	118.7	121.7	127.4	119.1
18615	124.8	123.4	123.2	125.0	131.8	104.6	151.2	104.4	105.0	100.4
18616	126.0	100.0	120.2	105.1	105.5	147.8	127.2	138.6	141.8	128.5
18617	99.9	119.5	127.0	128.4	131.3	132.2	133.2	131.8	131.3	124.3
18618	114.3	120.8	125.2	129.9	131.0	142.8	132.2	131.7	112.1	119.4
18619	115.2	123.3	125.0	128.9	121.3	114.9	115.8	106.1	102.7	122.1
18620	104.5	123.0	125.0	126.8	108.6	106.2	104.8	113.7	130.4	123.7
18621	126.3	127.9	144.5	144.9	145.7	134.0	136.7	113.6	138.9	136.3
18622	112.7	113.4	114.1	114.1	116.8	116.5	115.7	117.7	135.2	105.2
18623	132.0	135.4	136.1	138.6	140.1	136.9	138.0	136.6	135.2	134.2
18624	124.6	124.6	131.9	128.6	125.0	126.8	137.0	134.1	117.2	118.4
18625	131.1	126.9	136.1	138.6	126.9	108.0	107.6	108.6	116.5	132.6
18626	103.8	124.5	117.3	108.6	109.3	117.8	148.1	117.4	113.0	118.4
18627	119.2	140.2	118.4	115.7	114.3	151.0	148.1	144.9	111.7	106.0
18628	111.0	124.3	114.6	125.8	124.4	130.4	129.7	117.3	131.7	127.3
18629	125.5	143.9	115.8	147.4	145.0	144.4	148.5	146.8	138.6	128.0
18630	113.1	112.7	116.4	111.0	117.2	151.6	151.5	141.5	147.5	144.2
18631	107.2	147.8	112.5	115.7	138.1	143.7	141.5	136.4	151.5	148.7
18632	112.8	134.0	113.9	143.2	143.6	111.8	111.0	124.3	112.3	107.3
18633	117.4	132.6	113.3	113.6	118.7	129.3	122.1	119.0	120.3	111.7
18634	115.3	119.0	113.3	111.6	108.7	117.6	106.9	106.6	124.1	116.6
18635	114.6	118.0	113.1	111.6	107.7	112.9	106.6	117.1	104.6	117.1
18636	123.9	105.0	119.5	121.6	123.6	112.7	125.8	113.9	113.3	105.3
18637	115.4	116.0	117.1	112.0	120.2	127.2	114.0	130.4	132.1	128.7
18638	120.9	121.5	117.4	145.0	125.7	128.2	128.5	135.0	129.7	127.2
18639	117.2	124.0	117.2	127.8	140.6	143.2	144.6	136.1	130.4	141.2
18640	105.1	102.2	103.3	102.8	103.6	102.0	102.3	103.3	61.5	128.1
MEAN	120.2	122.7	125.7	125.0	124.8	125.0	123.9	124.6	123.6	120.4
S.D.	11.1	12.0	12.8	11.3	12.7	13.6	14.1	14.3	16.4	12.8
N	48	48	48	48	48	48	48	48	48	47

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 1 MALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
18600	128.6	133.2	131.9	132.0	137.9	137.9	124.8	97.4	125.2	130.5
18601	130.0	134.4	133.1	136.2	120.6	131.7	127.1	116.5	133.8	133.2
18602	129.5	128.8	130.8	119.6	127.4	126.6	126.7	128.8	139.6	141.9
18603	131.7	129.9	132.2	132.3	135.3	137.2	121.8	134.2	129.6	128.3
18604	132.4	127.5	134.4	124.9	125.4	126.5	123.4	128.9	129.0	134.2
18605	126.5	127.5	116.1	132.2	127.5	127.8	119.9	124.3	119.5	127.2
18606	121.2	123.4	93.7	107.2	112.9	116.2	113.8	112.3	146.7	126.6
18607	119.6	110.0	122.2	124.9	120.8	116.0	107.1	112.5	108.1	108.3
18608	117.5	121.6	141.6	143.0	145.0	145.0	138.3	139.7	118.6	93.4
18609	105.0	107.2	113.0	103.8	95.6	99.1	95.8	99.6	114.8	118.7
18610	147.5	149.1	113.0	113.3	122.5	104.5	112.8	116.2	109.1	107.9
18611	106.5	106.4	106.8	113.9	113.2	108.8	101.4	103.9	126.2	129.3
18612	123.3	122.7	116.3	116.9	118.0	117.5	114.5	126.0	107.5	122.1
18613	100.2	105.3	116.3	124.5	128.8	128.7	115.9	130.5	107.5	95.4
18614	113.3	117.8	123.4	116.3	102.2	116.9	114.5	102.5	115.7	124.2
18615	121.5	111.6	110.5	116.3	106.3	101.9	98.1	103.0	106.5	118.3
18616	123.4	123.4	103.4	94.2	117.1	102.8	111.8	105.0	111.6	107.9
18617	105.8	104.5	109.6	118.4	115.7	109.9	83.1	103.0	106.1	104.9
18618	121.8	119.2	117.0	115.6	109.8	118.3	111.0	103.0	138.0	124.8
18619	111.3	103.3	103.3	107.2	101.6	119.5	110.9	116.4	107.9	107.9
18620	111.7	108.7	104.2	117.0	115.6	119.5	95.7	98.8	106.1	104.9
18621	99.9	99.9	106.8	102.2	102.0	102.2	113.7	131.0	111.6	124.8
18622	122.4	118.9	105.9	117.0	84.9	102.2	92.9	124.7	107.8	109.7
18623	130.6	123.9	134.5	134.4	122.0	109.5	102.2	104.2	123.4	122.2
18624	122.9	122.9	116.7	91.4	105.9	106.5	112.5	114.8	109.3	102.0
18625	133.9	122.2	104.5	100.6	105.9	106.5	94.0	104.2	123.7	120.0
18626	103.7	103.0	119.5	121.5	122.8	122.6	123.3	119.2	135.4	136.0
18627	121.3	123.2	113.2	123.7	118.0	117.2	112.5	114.8	109.3	142.3
18628	134.7	134.5	113.4	115.4	114.3	128.9	109.1	117.9	135.4	107.9
18629	93.5	118.0	123.7	122.0	123.9	125.4	129.2	130.7	107.8	107.9
18630	115.3	126.0	123.7	122.6	125.7	125.9	120.3	129.5	121.3	120.2
18631	129.7	128.0	125.0	107.9	114.8	114.9	98.7	104.2	124.2	129.6
18632	117.6	110.2	99.3	128.2	129.5	107.7	120.3	130.7	131.4	129.6
18633	121.3	119.1	122.5	134.2	132.6	135.9	120.3	130.7	127.8	133.2
18634	107.3	114.9	100.4	99.4	97.6	101.5	98.7	104.2	121.3	120.2
18635	111.0	111.0	117.6	115.6	115.6	114.6	102.8	112.0	131.4	129.6
18636	113.1	113.1	119.9	119.0	118.5	120.9	102.8	112.0	124.2	129.6
18637	116.5	116.5	112.7	112.7	112.7	116.7	112.2	124.2	131.4	129.6
18638	119.8	119.8	96.7	102.8	118.8	116.9	112.2	124.2	127.8	133.2
18639	126.0	124.4	123.3	120.6	120.6	125.4	125.9	123.6	119.7	120.3
18640	124.7	118.5	100.6	94.9	98.5	103.8	102.0	103.6	123.9	127.9
18641	124.7	118.5	118.4	121.3	117.6	103.8	124.9	124.2	111.6	110.4
18642	133.6	113.6	120.1	122.2	125.5	119.5	135.3	124.0	127.8	133.2
18643	132.4	111.9	120.1	122.2	125.5	119.5	135.3	124.0	127.8	133.2
18644	119.7	119.3	115.6	116.9	118.0	117.6	112.7	115.8	119.7	120.3
18645	120.0	115.8	111.8	122.2	121.1	123.3	117.9	115.8	123.9	127.9
18646	134.7	134.7	145.0	45	41	43	37	36	33	31
18647	134.7	134.7	145.0	45	41	43	37	36	33	31
18648	134.7	134.7	145.0	45	41	43	37	36	33	31
18649	134.7	134.7	145.0	45	41	43	37	36	33	31
18650	134.7	134.7	145.0	45	41	43	37	36	33	31
MEAN	119.7	119.3	115.6	116.9	118.0	117.6	112.7	115.8	119.7	120.3
S.D.	12.0	13.8	11.8	12.2	12.1	12.3	12.3	11.6	12.9	12.7
N	47	47	45	45	41	43	37	36	33	31

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 1 MALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102	111
18500	---	---	---	---	---	---	---	---	---	---
18501	125.2	126.9	115.6	111.2	114.3	119.7	119.8	---	---	---
18502	137.3	132.8	101.1	113.7	112.8	119.6	120.4	---	---	---
18503	138.1	108.7	128.3	135.4	131.7	116.8	116.7	128.1	125.7	---
18504	139.5	126.4	133.8	---	---	---	---	---	---	---
18505	134.1	135.2	---	---	---	---	---	---	---	---
18506	---	---	---	---	---	---	---	---	---	---
18507	127.1	128.7	121.4	129.1	131.9	118.7	123.0	118.8	124.5	116.5
18508	---	---	---	---	---	---	---	---	---	---
18509	133.8	147.2	150.1	132.8	139.1	---	---	---	---	---
18510	108.3	110.2	106.4	106.5	88.9	101.4	67.7	---	---	---
18511	---	---	---	---	---	---	---	---	---	---
18512	120.0	101.0	97.1	---	---	---	---	---	---	---
18513	---	---	---	---	---	---	---	---	---	---
18514	128.8	131.0	133.2	136.8	136.1	---	---	---	---	---
18515	132.2	109.6	109.5	122.7	123.3	123.1	122.1	125.2	128.1	129.1
18516	78.1	108.5	112.7	111.9	117.3	96.2	86.7	---	---	---
18517	123.8	124.5	122.2	126.4	---	---	---	---	---	---
18518	---	---	---	---	---	---	---	---	---	---
18519	111.2	96.1	120.5	118.6	93.5	107.1	72.6	---	---	---
18520	117.7	107.3	92.5	107.7	110.7	112.1	103.0	102.1	103.3	---
18521	102.9	---	---	---	---	---	---	---	---	---
18522	---	---	---	---	---	---	---	---	---	---
18523	---	---	---	---	---	---	---	---	---	---
18524	122.4	84.5	99.9	---	---	---	---	---	---	---
18525	---	---	---	---	---	---	---	---	---	---
18526	---	---	---	---	---	---	---	---	---	---
18527	110.9	113.1	114.1	112.0	106.3	121.3	107.4	---	---	---
18528	126.4	126.2	123.2	126.8	---	---	---	---	---	---
18529	---	---	---	---	---	---	---	---	---	---
18530	109.4	120.4	126.0	126.8	108.6	101.3	107.2	101.6	97.0	107.1
18531	---	---	---	---	---	---	---	---	---	---
18532	133.2	128.0	134.4	79.8	---	---	---	---	---	---
18533	---	---	---	---	---	---	---	---	---	---
18534	---	---	---	---	---	---	---	---	---	---
18535	131.6	103.3	126.5	82.4	---	---	---	---	---	---
18536	135.6	141.8	125.7	119.3	98.9	---	---	---	---	---
18537	111.9	116.4	114.2	76.9	---	---	---	---	---	---
18538	---	---	---	---	---	---	---	---	---	---
18539	---	---	---	---	---	---	---	---	---	---
18540	---	---	---	---	---	---	---	---	---	---
18541	118.9	110.6	119.6	121.6	125.8	127.6	82.9	---	---	---
18542	---	---	---	---	---	---	---	---	---	---
18543	131.4	132.5	127.0	130.1	124.9	113.5	116.3	115.3	120.2	123.3
18544	109.1	109.2	107.4	113.9	111.6	115.4	113.9	108.4	114.0	---
18545	121.3	127.3	114.4	---	---	---	---	---	---	---
18546	129.3	124.8	---	---	---	---	---	---	---	---
18547	---	---	---	---	---	---	---	---	---	---
18548	---	---	---	---	---	---	---	---	---	---
18549	---	---	---	---	---	---	---	---	---	---
18550	---	---	---	---	---	---	---	---	---	---
18551	122.8	118.5	118.3	115.7	116.6	113.4	104.3	114.2	116.1	119.0
18552	11.2	15.4	13.1	16.9	14.0	9.2	19.0	10.6	11.9	9.5
18553	29	28	26	22	19	14	14	7	7	4
18554	---	---	---	---	---	---	---	---	---	---
18555	---	---	---	---	---	---	---	---	---	---
18556	---	---	---	---	---	---	---	---	---	---
18557	---	---	---	---	---	---	---	---	---	---
18558	---	---	---	---	---	---	---	---	---	---
18559	---	---	---	---	---	---	---	---	---	---
18560	---	---	---	---	---	---	---	---	---	---

MEAN
S.D.
N

Note: Weights not available for Weeks 106 and 114 due to error.

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 2 MALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
18706	93.7	95.0	98.3	100.3	104.9	108.4	116.3	119.8	122.6	128.1
18707	91.6	91.5	85.1	80.7	91.5	101.8	116.3	115.9	121.3	135.7
18708	85.1	83.4	82.8	85.6	106.7	109.2	114.6	118.8	124.2	137.6
18709	88.1	89.4	85.6	93.3	102.7	108.6	113.6	117.4	121.8	135.0
18710	92.0	97.6	98.8	101.0	102.8	109.0	113.8	111.0	118.5	130.4
18711	92.8	94.5	95.9	99.1	98.0	103.7	110.3	102.6	108.8	126.5
18712	92.8	94.5	95.9	101.4	92.2	94.1	101.6	111.4	104.3	126.7
18713	102.7	99.0	97.7	96.4	102.3	102.4	108.6	116.4	104.3	116.4
18714	90.3	88.5	97.0	100.4	110.7	117.2	124.2	129.7	133.8	135.8
18715	94.3	91.9	94.4	95.3	98.1	108.6	111.9	102.6	104.9	127.0
18716	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18717	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18718	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18719	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18720	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18721	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18722	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18723	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18724	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18725	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18726	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18727	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18728	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18729	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18730	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18731	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18732	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18733	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18734	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18735	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18736	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18737	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18738	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18739	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18740	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18741	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18742	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18743	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18744	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18745	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18746	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18747	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18748	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18749	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18750	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18751	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18752	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18753	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18754	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18755	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18756	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18757	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18758	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18759	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18760	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18761	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18762	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18763	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18764	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18765	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18766	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18767	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18768	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18769	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18770	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18771	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18772	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18773	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18774	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18775	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18776	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18777	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18778	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18779	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18780	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18781	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18782	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18783	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18784	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18785	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18786	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18787	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18788	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18789	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18790	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18791	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18792	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18793	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18794	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18795	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18796	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18797	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18798	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18799	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0
18800	97.0	98.4	95.6	108.6	111.9	108.6	111.9	102.6	104.9	127.0

APPENDIX 3A (Continued)
 INDIVIDUAL AND MEAN BODY WEIGHTS
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
 EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 2 MALES

ANIMAL NUMBER	11	12	13	14	15	16	17	18	22	26
18700	129.0	130.6	129.2	128.6	128.2	134.0	132.2	131.4	131.6	128.1
18701	126.0	126.8	127.3	129.1	131.7	138.5	136.4	139.0	126.2	123.9
18702	128.7	132.4	130.6	136.8	137.7	137.3	136.3	135.5	129.1	119.7
18703	128.4	132.6	124.9	134.2	135.7	137.3	136.3	135.7	118.6	114.2
18704	120.9	125.6	124.2	122.7	123.1	119.2	119.8	110.8	117.2	113.8
18705	128.1	135.6	124.9	125.4	127.6	129.1	130.8	131.5	125.5	115.5
18706	107.0	110.5	107.5	105.9	109.1	108.5	108.6	120.9	148.8	124.6
18707	116.5	117.9	118.3	118.6	116.6	116.7	144.1	119.4	126.4	134.6
18708	138.2	140.3	145.6	149.5	147.7	145.2	131.1	133.3	103.2	122.9
18709	99.7	90.8	93.1	94.9	94.7	132.8	124.0	120.6	142.2	101.1
18710	125.7	124.7	130.9	127.5	125.5	147.7	149.9	148.4	102.9	138.3
18711	136.5	139.5	145.9	148.4	147.6	123.7	124.9	109.2	112.9	113.0
18712	105.5	107.0	109.8	110.7	111.5	109.8	108.7	109.1	106.8	88.6
18713	108.9	109.3	114.5	110.8	110.1	112.1	113.4	111.2	107.6	94.3
18714	112.4	111.8	111.5	112.3	110.6	111.7	112.9	113.1	108.1	94.3
18715	103.9	107.7	111.6	115.4	114.7	116.2	112.0	109.5	147.2	141.1
18716	114.5	115.9	112.7	115.5	115.2	116.3	114.5	115.3	119.0	118.7
18717	112.4	115.7	120.3	121.2	121.9	123.9	120.6	121.8	124.3	143.5
18718	137.4	136.9	141.5	140.8	142.8	139.9	137.8	142.3	141.4	134.1
18719	127.9	131.8	136.8	137.3	142.4	145.6	146.2	147.7	119.3	115.3
18720	123.6	130.7	131.7	132.4	140.1	110.6	116.7	112.0	116.3	114.2
18721	129.4	130.7	133.7	131.9	132.2	110.9	116.4	112.0	113.6	110.3
18722	104.0	106.8	113.3	110.8	112.1	115.7	117.4	113.4	98.5	106.5
18723	113.4	112.9	113.3	110.3	109.3	97.0	97.4	97.0	98.5	98.5
18724	95.8	97.7	97.4	100.3	96.2	98.3	97.3	97.0	131.7	140.7
18725	118.7	119.8	115.0	120.6	123.4	126.1	123.2	118.3	137.5	126.1
18726	108.8	107.5	112.3	112.3	110.5	112.5	112.9	112.7	130.7	126.7
18727	133.7	132.5	132.9	118.8	124.5	130.3	129.7	130.0	117.8	113.8
18728	121.2	121.2	123.1	121.0	120.0	121.2	120.6	119.6	117.2	106.7
18729	117.4	116.5	122.1	123.6	125.5	122.9	124.3	122.9	107.4	101.9
18730	100.2	99.1	100.3	95.9	100.1	102.5	100.6	102.7	129.7	126.2
18731	110.8	111.8	114.3	115.4	116.6	117.7	116.9	117.2	109.7	104.1
18732	136.8	136.3	138.4	137.1	136.9	132.0	134.3	133.9	139.3	135.4
18733	131.8	132.2	129.7	130.7	130.8	131.0	134.7	133.9	117.4	127.6
18734	113.9	113.0	116.7	118.0	118.4	119.1	117.7	106.9	106.8	101.6
18735	113.2	113.0	112.8	111.4	108.3	108.0	108.2	106.9	130.3	126.6
18736	125.8	123.8	134.9	119.6	134.6	140.1	127.8	137.9	134.6	99.1
18737	114.4	119.2	125.6	124.2	125.7	106.9	106.5	106.3	100.6	115.8
18738	103.4	104.2	103.9	103.3	112.7	118.5	113.0	113.3	119.2	116.7
18739	127.5	126.1	131.5	125.4	127.3	127.0	127.8	127.1	142.4	135.9
18740	114.6	116.1	122.4	125.4	128.1	140.0	145.0	143.3	117.7	112.5
18741	127.5	126.1	135.1	136.1	138.1	127.0	127.7	145.6	122.9	116.6
18742	113.8	115.0	135.1	136.1	138.1	127.0	127.7	145.6	122.9	116.6
18743	140.5	142.0	144.3	145.1	149.5	145.8	144.3	145.6	143.7	135.9
18744	116.4	115.0	144.3	145.1	149.5	145.8	144.3	145.6	143.7	112.5
18745	119.0	117.6	119.6	117.7	118.7	119.8	117.7	117.7	122.9	116.6
18746	133.0	132.7	122.9	123.2	123.5	121.6	123.0	123.0	122.9	121.5
18747	127.1	126.9	118.8	116.1	115.2	131.3	134.8	137.5	140.5	135.6
18748	127.9	126.9	118.8	116.1	115.2	131.3	134.8	137.5	140.5	135.6
18749	127.1	126.9	118.8	116.1	115.2	131.3	134.8	137.5	140.5	135.6
MEAN S.D. N	119.2 11.6 30	120.6 11.9 50	122.2 12.6 50	121.6 12.6 49	121.5 13.4 49	122.8 12.8 49	121.9 13.7 49	121.8 13.0 48	124.0 13.9 48	118.2 14.8 47

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 2 MALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
18700	128.1	123.4	125.5	130.1	130.2	126.4	122.2	125.2	104.1	119.5
18701	124.1	121.0	125.4	130.2	131.0	135.5	132.2	132.2	124.7	124.7
18702	115.8	110.3	114.8	116.0	115.6	114.6	114.5	121.4	120.8	125.6
18703	117.4	102.3	109.1	118.8	120.9	121.7	110.1	104.7	108.2	109.2
18704	111.4	102.2	102.0	117.4	124.0	121.1	112.5	107.4	116.1	121.6
18705	100.9	104.6	105.0	107.2	108.3	109.1	105.7	112.2	112.0	108.8
18706	144.3	149.9	148.1	147.6	144.7	144.0	135.2	134.3	121.8	108.3
18707	125.2	122.8	120.7	117.9	117.0	104.9	117.1	112.2	104.3	102.7
18708	125.2	120.6	120.7	120.7	125.1	125.8	101.3	102.2	104.3	102.7
18709	115.5	111.5	109.5	105.1	105.1	109.9	112.9	112.9	115.0	119.9
18710	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18711	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18712	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18713	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18714	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18715	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18716	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18717	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18718	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18719	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18720	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18721	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18722	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18723	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18724	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18725	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18726	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18727	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18728	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18729	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18730	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18731	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18732	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18733	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18734	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18735	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18736	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18737	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18738	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18739	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18740	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18741	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18742	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18743	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18744	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18745	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18746	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18747	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18748	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
18749	127.1	121.3	121.2	125.7	125.1	125.8	117.2	112.2	108.7	108.7
MEAN S.D.	115.9 4.6	114.5 4.5	113.2 4.4	114.5 4.4	115.9 4.4	114.2 4.4	113.2 4.3	115.2 4.3	116.0 4.1	119.3 3.9

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 2 MALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102	111
18700	131.9	132.2	136.5	132.9	131.6	130.8	130.3	129.2	135.8	130.6
18701	131.6	109.6	132.5	137.0	135.3	---	---	---	---	---
18702	---	---	---	---	---	---	---	---	---	---
18703	126.5	122.0	135.3	132.3	130.9	123.0	---	---	---	---
18704	118.3	122.9	124.5	---	---	---	---	---	---	---
18705	132.9	122.9	121.9	117.0	114.9	110.1	98.0	102.9	104.1	118.3
18706	118.3	---	---	---	---	---	---	---	---	---
18707	---	---	---	---	---	---	---	---	---	---
18708	120.1	121.3	132.3	126.6	91.5	104.9	110.5	104.5	97.9	---
18709	101.4	98.8	99.2	104.6	101.0	---	---	---	---	---
18710	---	---	---	---	---	---	---	---	---	---
18711	121.4	116.1	110.8	117.9	117.2	99.4	---	---	---	---
18712	73.6	91.6	97.8	106.9	101.2	100.2	96.9	98.1	103.0	99.8
18713	---	---	---	---	---	---	---	---	---	---
18714	---	---	---	---	---	---	---	---	---	---
18715	105.2	112.6	123.3	116.9	110.5	104.7	89.0	98.9	94.5	112.5
18716	127.6	124.9	124.6	108.4	119.7	119.3	107.8	107.8	128.1	---
18717	111.2	114.1	109.2	108.6	108.2	106.5	108.5	108.4	---	---
18718	124.8	113.7	126.2	124.1	126.0	---	---	---	---	---
18719	141.6	138.6	86.7	---	---	---	---	---	---	---
18720	---	---	---	---	---	---	---	---	---	---
18721	123.3	124.7	123.9	122.7	122.9	117.8	114.7	107.7	105.1	---
18722	130.6	130.6	101.3	119.2	86.6	---	---	---	---	---
18723	115.2	114.7	114.7	115.0	116.1	105.8	112.7	109.1	109.4	117.0
18724	115.3	112.8	119.8	160.3	103.4	103.2	---	---	---	---
18725	---	---	---	---	---	---	---	---	---	---
18726	129.9	123.0	140.3	127.4	127.3	124.3	121.6	121.4	126.4	127.0
18727	137.5	138.5	138.5	135.6	127.5	125.3	113.2	---	---	---
18728	130.4	131.5	131.3	131.3	130.7	---	---	---	---	---
18729	115.2	115.5	111.7	109.0	111.3	99.8	65.3	---	---	---
18730	99.3	100.5	115.8	116.8	117.7	---	---	---	---	---
18731	177.2	---	---	---	---	---	---	---	---	---
18732	137.2	114.6	130.0	135.4	125.9	136.4	121.0	132.4	---	---
18733	137.1	120.9	117.8	118.2	115.1	119.2	107.0	---	---	---
18734	131.6	139.0	103.9	114.5	93.6	---	---	---	---	---
18735	136.2	129.3	131.5	135.5	143.1	---	---	---	---	---
18736	104.4	110.0	112.1	96.9	108.6	109.2	103.9	86.3	---	---
18737	120.9	---	---	---	---	---	---	---	---	---
18738	128.7	132.0	132.5	133.7	125.1	128.9	---	---	---	---
18739	103.5	99.7	102.7	95.0	92.2	---	---	---	---	---
18740	---	---	---	---	---	---	---	---	---	---
18741	113.5	129.9	127.5	127.4	101.2	111.7	108.2	111.6	111.7	120.0
18742	104.7	---	---	---	---	---	---	---	---	---
18743	---	---	---	---	---	---	---	---	---	---
18744	---	---	---	---	---	---	---	---	---	---
18745	125.8	82.2	69.9	---	---	---	---	---	---	---
18746	130.0	131.3	124.3	---	---	---	---	---	---	---
18747	---	---	---	---	---	---	---	---	---	---
18748	144.1	147.0	138.4	142.7	147.1	---	---	---	---	---
18749	---	---	---	---	---	---	---	---	---	---
MEAN	120.6	118.6	119.1	119.6	116.2	113.4	106.8	109.2	112.6	117.9
S.D.	14.6	14.8	16.0	12.2	15.5	10.4	15.0	13.2	15.5	10.1
n	38	35	34	30	30	20	16	12	10	7

Note: Weights not available for weeks 106 and 114 due to error.

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 3 MALES

INITIAL NUMBER	1	2	3	4	5	6	7	8	9	10
18300	97.1	95.5	96.3	101.9	106.3	113.0	117.7	119.4	122.1	124.6
18301	94.3	93.3	94.3	97.6	98.2	101.9	92.0	104.3	93.4	82.7
18302	81.0	78.2	82.8	88.0	91.6	92.8	101.6	104.3	104.0	104.6
18303	91.0	89.9	93.7	103.2	105.0	108.2	115.1	117.3	113.5	115.8
18304	98.1	100.3	100.8	96.9	99.9	105.1	115.9	108.1	115.6	118.3
18305	98.8	86.3	91.7	96.9	101.4	101.9	111.9	111.6	113.3	115.7
18306	81.8	94.4	93.7	95.8	99.0	101.7	106.5	103.4	103.7	104.1
18307	94.5	86.4	89.0	89.9	90.5	94.8	102.7	105.1	107.9	109.1
18308	95.4	95.8	100.2	100.1	99.9	92.7	100.8	102.1	105.3	108.9
18309	94.6	94.0	96.0	94.5	87.7	92.7	100.8	102.1	107.9	109.1
18310	97.0	94.5	101.3	104.0	107.4	99.4	99.8	111.9	117.9	122.5
18311	97.7	94.5	95.8	97.1	102.2	105.0	99.8	81.2	82.6	95.8
18312	93.8	95.7	98.2	98.1	102.7	102.7	107.7	107.3	107.6	111.2
18313	95.9	95.7	97.3	98.1	106.9	106.9	114.0	117.3	114.5	118.6
18314	95.9	97.7	97.3	91.2	95.2	98.1	107.3	109.0	108.1	115.1
18315	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18316	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18317	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18318	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18319	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18320	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18321	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18322	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18323	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18324	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18325	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18326	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18327	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18328	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18329	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18330	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18331	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18332	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18333	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18334	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18335	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18336	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18337	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18338	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18339	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18340	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18341	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18342	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18343	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18344	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18345	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18346	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18347	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18348	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
18349	95.9	95.7	97.3	97.1	97.9	84.5	109.2	109.5	108.5	115.5
MEAN	94.0	91.9 ^a	94.4 ^b	95.9 ^b	97.3 ^b	98.5 ^b	102.5 ^b	103.7 ^b	107.5 ^b	109.2 ^b
S.D.	6.0	7.2	5.3	6.3	8.6	8.2	12.6	12.5	11.3	10.6
n	48	48	48	48	48	48	48	48	48	48

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^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons
^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 3 MALES

ANIMAL NUMBER	11	12	13	14	15	16	17	18	22	26
18800	126.1	123.6	124.1	127.9	128.6	126.4	125.3	125.8	124.7	112.6
18801	105.4	108.3	107.8	110.6	110.9	107.5	101.5	99.7	110.5	107.6
18802	107.6	104.2	80.8	61.2	133.7	134.0	91.7	111.8	122.7	124.5
18803	126.6	129.4	128.9	135.4	92.5	95.4	128.7	95.6	100.1	104.0
18804	110.5	116.5	113.7	135.4	98.7	101.0	97.7	98.6	112.8	113.0
18805	120.6	116.7	116.7	116.7	114.6	97.5	88.9	95.0	85.2	105.2
18806	116.7	112.8	112.8	116.7	84.2	92.0	83.3	87.4	109.1	83.9
18807	103.4	96.8	102.0	86.5	87.5	86.5	91.5	97.1	108.6	113.8
18808	121.4	120.0	93.6	86.5	92.4	105.5	104.9	104.4	114.6	108.2
18809	108.1	86.9	82.1	99.3	119.5	91.1	80.9	90.8	107.9	113.8
18810	118.0	116.2	116.5	122.9	108.4	90.0	83.5	89.8	103.3	95.8
18811	105.6	102.0	101.9	105.0	97.6	90.0	83.5	89.8	103.3	95.8
18812	111.6	111.1	111.9	112.6	121.0	118.9	94.4	81.9	75.3	100.3
18813	117.8	117.8	116.7	120.3	93.4	90.6	83.8	98.0	108.9	106.1
18814	92.7	91.5	91.9	95.2	91.4	91.7	91.2	93.1	98.1	102.9
18815	113.0	110.9	95.6	93.9	95.0	92.9	92.0	89.4	105.0	108.4
18816	89.8	86.9	87.7	90.8	88.7	92.9	92.0	112.1	109.0	107.4
18817	92.3	92.3	90.1	103.9	97.1	100.8	111.6	103.8	109.0	110.5
18818	93.7	99.8	102.7	111.4	110.0	110.7	102.9	100.4	116.8	99.4
18819	104.5	97.2	83.7	98.9	98.7	99.1	101.7	84.2	97.0	87.7
18820	105.9	85.2	85.8	90.8	93.5	99.1	86.0	114.6	114.3	114.4
18821	125.6	106.2	80.1	85.5	92.6	91.1	86.0	107.8	129.2	130.5
18822	125.6	177.5	101.2	111.2	111.2	112.1	113.9	117.3	117.3	107.9
18823	107.6	98.9	89.3	105.5	109.3	110.2	112.4	111.4	114.3	114.4
18824	125.6	100.2	102.4	105.6	102.6	102.9	102.4	101.4	104.9	101.1
18825	105.9	84.5	90.2	98.5	90.2	96.3	98.9	91.5	101.0	93.1
18826	101.5	87.4	93.8	97.7	94.5	120.3	125.4	117.3	124.9	127.2
18827	107.1	89.7	104.7	111.3	112.1	120.3	125.4	121.4	129.2	130.5
18828	111.6	93.8	101.0	114.9	119.7	120.3	125.4	117.3	129.2	130.5
18829	103.2	103.2	103.7	113.9	113.8	116.1	113.6	107.8	129.2	130.5
18830	105.7	103.2	99.7	101.3	103.1	105.6	103.5	107.8	129.2	130.5
18831	107.3	95.0	108.4	112.8	120.6	114.0	111.9	107.8	129.2	130.5
18832	113.5	113.7	115.5	117.9	120.6	121.1	105.7	107.8	129.2	130.5
18833	111.6	111.7	114.8	117.3	115.5	118.3	107.4	90.7	129.2	130.5
18834	107.4	104.2	100.8	104.5	101.0	100.0	102.5	101.1	102.3	106.2
18835	97.3	97.3	102.8	108.5	96.8	107.2	107.7	107.3	111.4	120.1
18836	113.0	100.0	99.6	102.7	106.8	109.4	110.4	109.5	116.3	120.1
18837	84.4	85.6	84.9	85.2	83.7	83.2	82.6	80.8	84.9	90.4
18838	96.7	88.5	93.2	99.1	98.4	101.1	100.7	100.1	112.5	80.8
18839	98.7	94.4	106.1	110.0	98.4	101.1	100.7	100.1	112.5	80.8
18840	116.5	116.5	124.0	129.4	110.0	113.6	115.4	115.0	111.4	97.6
18841	110.3	99.1	102.7	107.0	110.6	115.9	114.7	119.7	116.9	111.3
18842	93.4	93.2	100.9	103.1	108.2	108.2	108.6	108.9	119.8	119.9
18843	118.9	118.8	142.9	150.8	127.6	129.9	131.2	131.5	128.8	127.3
18844	114.6	122.9	114.0	111.2	110.1	107.3	105.9	101.4	108.0	94.5
18845	100.3	101.1	102.3	106.6	107.9	113.4	112.2	112.1	119.6	113.4
18846	113.5	113.5	114.5	113.7	118.7	124.3	120.4	120.4	111.8	111.8
18847	108.0 ^b	101.7 ^b	102.7 ^b	105.8 ^b	106.6 ^b	106.9 ^b	104.8 ^b	103.8 ^b	108.5 ^b	106.3 ^b
18848	101.1	12.2	13.3	15.2	12.3	12.4	13.3	12.2	13.9	11.1
18849	43	48	47	47	46	45	45	44	44	42
MEAN	108.0 ^b	101.7 ^b	102.7 ^b	105.8 ^b	106.6 ^b	106.9 ^b	104.8 ^b	103.8 ^b	108.5 ^b	106.3 ^b
S.D.	10.1	12.2	13.3	15.2	12.3	12.4	13.3	12.2	13.9	11.1
N	43	48	47	47	46	45	45	44	44	42

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 3 MALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
18800	97.7	69.5	---	---	---	---	---	---	---	---
18801	109.8	84.4	---	---	---	---	---	---	---	---
18802	---	---	---	---	---	---	---	---	---	---
18803	126.2	120.9	121.8	122.9	124.0	124.6	115.0	115.7	97.6	---
18804	108.0	101.1	97.7	---	---	---	---	---	---	---
18805	99.2	---	---	---	---	---	---	---	---	---
18806	108.7	101.5	101.7	100.1	66.3	---	---	---	---	---
18807	---	---	---	---	---	---	---	---	---	---
18808	111.3	110.7	106.1	100.1	104.4	107.2	101.7	---	---	---
18809	102.3	93.9	90.2	---	---	---	---	---	---	---
18810	---	---	---	---	---	---	---	---	---	---
18811	118.9	119.2	107.5	86.8	98.0	106.1	77.6	---	---	---
18812	111.3	110.8	77.1	89.2	95.3	---	---	---	---	---
18813	---	---	---	---	---	---	---	---	---	---
18814	---	---	---	---	---	---	---	---	---	---
18815	99.6	93.0	95.5	86.2	---	---	---	---	---	---
18816	107.3	98.6	---	---	---	---	---	---	---	---
18817	103.6	102.7	102.1	101.0	84.7	---	---	---	---	---
18818	113.4	110.1	110.5	111.4	110.7	112.2	104.5	108.4	96.5	---
18819	110.0	108.9	108.4	100.2	---	---	---	---	---	---
18820	---	---	---	---	---	---	---	---	---	---
18821	---	---	---	---	---	---	---	---	---	---
18822	103.2	106.4	104.6	106.1	110.1	103.2	102.7	102.6	107.4	111.4
18823	---	---	---	---	---	---	---	---	---	---
18824	111.2	99.8	101.4	111.4	106.9	93.2	75.2	---	---	---
18825	---	---	---	---	102.0	108.8	68.4	---	---	---
18826	103.3	102.1	95.7	84.3	---	---	---	---	---	---
18827	95.0	94.1	81.5	71.5	---	---	---	---	---	---
18828	110.5	105.8	107.6	107.5	110.6	106.3	104.7	101.5	108.5	107.7
18829	104.6	112.2	---	---	---	---	---	---	---	---
18830	127.8	115.7	116.0	121.1	120.6	119.3	107.7	112.1	84.9	94.0
18831	---	---	---	---	---	---	---	---	---	---
18832	---	---	---	---	---	---	---	---	---	---
18833	107.0	112.6	112.3	117.1	115.0	115.9	121.2	123.8	129.6	128.5
18834	102.6	100.7	102.7	102.4	108.1	107.3	104.2	104.2	104.2	---
18835	102.4	104.9	113.7	111.9	110.7	113.5	111.9	113.2	102.6	---
18836	113.1	107.0	113.0	---	---	---	---	---	---	---
18837	114.4	95.0	123.4	123.2	121.5	126.3	123.5	125.8	126.5	129.5
18838	91.3	96.8	86.4	101.4	95.7	101.3	96.6	95.2	---	---
18839	104.2	111.3	100.2	80.9	---	---	---	---	---	---
18840	88.2	73.1	---	---	---	---	---	---	---	---
18841	112.0	121.9	116.5	117.1	112.6	---	---	---	---	---
18842	105.8	94.7	---	---	---	---	---	---	---	---
18843	51.9	95.6	101.9	104.2	104.5	105.0	98.3	---	---	---
18844	129.2	133.1	---	---	---	---	---	---	---	---
18845	101.3	107.3	106.1	101.3	81.8	---	---	---	---	---
18846	112.3	112.6	115.5	119.7	119.5	119.3	122.8	105.6	110.5	107.3
18847	114.1	114.0	112.1	101.7	106.9	107.9	112.1	114.4	---	---
18848	---	---	---	---	---	---	---	---	---	---
18849	---	---	---	---	---	---	---	---	---	---
18850	107.4 ^b	104.0 ^b	104.7 ^b	103.6 ^b	105.6 ^b	110.4 ^b	102.8	109.0	107.1	113.1
MEAN	9.2	12.6	10.7	13.4	13.9	8.6	16.1	10.7	14.2	13.7
S.D.	37	36	29	26	22	17	17	12	9	6
N	---	---	---	---	---	---	---	---	---	---

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
 INDIVIDUAL AND MEAN BODY WEIGHTS
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
 EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 3 MALLS

ANIMAL NUMBER	70	74	78
18800	---	---	---
18801	---	---	---
18802	---	---	---
18803	---	---	---
18804	---	---	---
18805	---	---	---
18806	---	---	---
18807	---	---	---
18808	---	---	---
18809	---	---	---
18810	---	---	---
18811	---	---	---
18812	---	---	---
18813	---	---	---
18814	---	---	---
18815	---	---	---
18816	---	---	---
18817	---	---	---
18818	---	---	---
18819	---	---	---
18820	---	---	---
18821	110.6	108.7	---
18822	---	---	---
18823	---	---	---
18824	---	---	---
18825	---	---	---
18826	---	---	---
18827	---	---	---
18828	106.5	101.6	---
18829	---	---	---
18830	---	---	---
18831	---	---	---
18832	---	---	---
18833	132.4	132.4	128.2
18834	---	---	---
18835	---	---	---
18836	---	---	---
18837	102.3	---	---
18838	---	---	---
18839	---	---	---
18840	---	---	---
18841	---	---	---
18842	---	---	---
18843	---	---	---
18844	---	---	---
18845	---	---	---
18846	---	---	---
18847	---	---	---
18848	97.5	---	---
18849	---	---	---
MEAN	109.9 ^a	114.2	128.2
S.D.	13.5	16.1	0.0
N	5	3	1

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 4 MALES

INITIAL RUBBER	1	2	3	4	5	6	7	8	9	10
18700	86.7	87.4	87.5	91.6	95.6	97.5	101.6	96.5	110.8	114.2
18701	101.2	75.2	103.0	107.9	110.6	116.8	119.2	119.9	125.5	126.2
18702	95.0	104.9	103.4	109.7	115.0	119.7	128.7	131.8	98.9	100.0
18703	92.2	89.4	91.0	92.8	93.4	98.1	98.7	100.2	105.9	106.9
18704	91.6	86.4	89.4	93.4	94.9	98.8	101.4	106.6	104.7	105.3
18705	97.4	99.7	99.5	104.3	103.2	106.0	110.9	110.5	109.8	111.2
18706	97.0	96.5	97.0	102.1	108.2	112.8	114.9	122.5	123.6	125.0
18707	88.7	84.4	85.1	90.1	93.1	97.4	102.1	94.0	97.2	98.8
18708	88.7	92.5	95.6	98.6	91.4	100.4	103.7	102.5	108.6	109.8
18709	106.2	92.7	88.3	91.3	94.7	98.5	105.7	109.3	113.8	116.6
18710	85.3	89.7	90.2	92.6	94.0	96.8	97.7	99.5	106.1	104.5
18711	89.8	89.5	92.3	96.4	96.0	102.1	104.9	104.6	106.1	104.5
18712	88.9	94.6	97.3	100.1	103.9	122.0	121.8	105.8	113.0	115.5
18713	93.2	94.6	103.1	113.0	117.9	122.0	121.8	114.7	117.9	118.4
18714	101.3	99.0	97.4	98.5	103.8	110.6	112.9	98.2	99.1	97.1
18715	103.1	83.6	87.8	89.0	96.6	100.6	99.1	104.4	105.8	109.1
18716	85.6	93.2	95.9	97.1	96.7	98.8	102.4	104.4	109.4	109.2
18717	93.7	92.4	95.3	100.5	103.3	105.1	107.6	109.9	109.6	109.2
18718	89.5	92.2	90.2	97.7	97.6	103.7	108.2	106.2	112.4	117.3
18719	87.7	80.4	99.0	95.6	99.6	104.5	94.5	101.0	105.9	107.4
18720	94.1	92.7	92.7	97.7	97.6	104.5	108.2	118.1	120.2	123.9
18721	102.4	95.7	102.5	111.7	111.7	113.7	119.0	106.9	112.2	123.9
18722	92.7	85.6	86.7	107.6	104.5	85.2	98.2	102.8	103.3	106.6
18723	91.1	98.7	98.7	107.6	104.5	92.2	96.0	102.8	103.3	106.6
18724	101.6	98.7	98.7	107.6	104.5	92.2	96.0	102.8	103.3	106.6
18725	91.1	98.7	98.7	107.6	104.5	92.2	96.0	102.8	103.3	106.6
18726	91.1	98.7	98.7	107.6	104.5	92.2	96.0	102.8	103.3	106.6
18727	89.1	87.2	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18728	88.9	87.2	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18729	85.1	84.6	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18730	75.0	84.6	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18731	80.7	80.8	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18732	83.9	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18733	83.9	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18734	70.8	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18735	100.9	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18736	90.9	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18737	92.9	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18738	93.8	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18739	92.7	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18740	92.7	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18741	90.8	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18742	95.3	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18743	87.7	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18744	70.7	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18745	89.8	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18746	88.9	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18747	93.3	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18748	106.2	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
18749	97.2	73.0	97.0	96.6	98.8	94.6	96.7	98.4	100.5	100.5
MEAN	92.8	92.3	95.1	97.6 ^b	100.8 ^a	102.6 ^b	106.2 ^b	107.6 ^b	110.7 ^b	112.1 ^b
S.D.	5.0	5.9	6.1	6.8	7.5	9.3	9.2	9.7	9.3	9.6
N	50	50	50	50	50	50	50	50	50	50

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 4 MALES

ANIMAL NUMBER	11	12	13 ^c	14	15	16	17	18	22	26
18700	114.8	112.1	---	94.9	99.8	103.6	106.6	111.5	121.4	104.8
18701	127.4	127.3	---	129.0	130.3	131.9	131.8	122.6	141.7	140.3
18702	102.6	100.7	---	103.7	103.5	102.2	105.5	105.5	108.7	103.8
18703	112.3	112.1	---	119.2	119.5	122.2	125.7	123.1	122.5	118.5
18704	108.1	111.4	---	114.9	115.3	117.4	114.7	118.1	117.8	109.7
18905	110.3	108.1	---	110.3	108.1	107.0	106.0	105.9	109.2	105.7
18906	126.1	126.5	---	126.1	116.9	119.3	119.1	121.8	125.7	133.8
18907	138.4	136.9	---	130.3	100.9	99.1	99.1	99.8	105.7	103.8
18908	114.3	119.4	---	134.6	130.1	122.1	124.7	123.6	129.3	126.3
18909	121.5	124.8	---	121.3	121.2	122.1	124.7	123.4	129.1	126.3
18910	104.8	105.1	---	105.2	105.5	104.8	104.7	105.1	109.8	109.5
18911	107.0	106.4	---	103.8	104.9	105.8	104.6	105.1	92.1	92.0
18912	102.3	102.9	---	124.4	121.1	128.4	126.5	128.7	121.1	103.5
18913	102.3	102.3	---	98.6	99.0	98.4	106.5	98.7	120.1	128.4
18914	102.3	102.3	---	113.2	108.9	106.1	107.7	107.3	120.1	128.4
18915	102.3	102.3	---	127.0	128.9	126.0	124.7	125.4	122.7	118.0
18916	102.3	102.3	---	94.4	94.4	99.0	100.4	101.7	114.7	115.9
18917	112.4	112.8	---	112.2	112.7	117.0	117.7	119.2	122.7	123.7
18918	110.4	112.8	---	121.9	125.3	127.2	129.7	128.8	125.5	123.7
18919	112.3	112.3	---	116.9	117.6	120.4	120.2	115.9	126.7	121.2
18920	124.3	124.3	---	130.5	129.4	126.4	120.2	120.4	139.0	132.1
18921	124.3	124.3	---	128.7	133.4	133.4	130.6	127.4	107.7	132.1
18922	124.3	124.3	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18923	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18924	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18925	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18926	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18927	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18928	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18929	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18930	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18931	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18932	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18933	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18934	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18935	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18936	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18937	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18938	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18939	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18940	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18941	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18942	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18943	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18944	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18945	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18946	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18947	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18948	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18949	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18950	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18951	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18952	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18953	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18954	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18955	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18956	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18957	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18958	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18959	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18960	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18961	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18962	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18963	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18964	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18965	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18966	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18967	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18968	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18969	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18970	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18971	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18972	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18973	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18974	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18975	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18976	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18977	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18978	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18979	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18980	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18981	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18982	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18983	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18984	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18985	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18986	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18987	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18988	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18989	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18990	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18991	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18992	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18993	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18994	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18995	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18996	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18997	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18998	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1
18999	102.8	102.8	---	130.6	133.4	133.4	130.6	127.4	107.7	132.1

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons
^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons
^c Weights not taken due to breakdown of automatic weighing station.

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 4 MALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
18900	107.1	107.5	103.8	105.1	98.8	107.0	113.5	118.0	122.3	120.4
18901	137.9	137.1	132.6	132.7	135.7	131.6	133.1	132.9	135.7	134.0
18902	86.0	107.0	97.3	100.3	102.5	108.2	100.2	105.0	99.3	108.1
18903	110.7	108.5	85.3	107.0	108.4	109.1	113.2	113.0	119.6	114.2
18904	116.3	113.6	113.0	116.3	105.9	111.0	116.3	113.7	119.5	121.3
18905	112.7	109.3	---	---	---	---	---	---	---	---
18906	131.6	131.9	130.4	127.8	131.7	131.2	127.6	116.4	123.6	122.7
18907	106.0	102.4	98.2	98.1	101.1	106.4	107.7	108.5	107.7	98.4
18908	126.8	126.0	126.5	115.8	115.5	125.5	130.6	125.7	130.3	124.8
18909	125.8	127.0	126.2	118.3	122.8	123.5	123.6	123.6	130.3	124.8
18910	111.0	111.4	112.0	109.5	115.1	119.8	116.9	89.4	115.6	118.2
18911	95.4	90.5	90.5	108.8	112.8	116.8	121.5	84.1	112.6	97.7
18912	100.2	97.0	103.9	96.2	96.2	98.8	95.8	95.9	96.0	97.7
18913	96.2	94.9	93.0	127.5	130.6	126.6	125.0	117.2	147.7	149.4
18914	134.1	134.0	128.4	127.5	137.7	143.2	140.3	141.6	126.8	128.5
18915	133.8	137.2	131.8	135.8	122.1	121.0	90.2	124.4	105.8	110.3
18916	117.6	119.4	122.0	122.2	122.1	111.0	106.3	89.6	127.1	128.1
18917	114.9	107.3	100.7	107.2	110.0	131.4	123.7	128.1	127.1	128.1
18918	105.9	108.1	105.6	110.3	119.8	131.4	123.7	123.7	125.3	123.1
18919	111.5	111.5	118.6	123.7	124.4	122.0	122.1	120.8	120.9	123.5
18920	112.8	113.0	117.6	120.9	120.1	116.5	118.3	120.8	120.9	120.9
18921	122.2	---	---	---	---	---	---	---	---	---
18922	130.0	126.7	129.9	125.7	128.2	136.0	132.6	134.1	137.7	126.0
18923	115.3	113.5	110.9	110.1	114.2	118.1	115.0	122.0	116.0	126.0
18924	146.7	145.7	130.2	98.4	142.3	141.0	143.6	142.5	140.9	142.6
18925	111.1	111.0	111.4	116.1	112.5	113.9	113.8	118.5	116.1	109.7
18926	116.2	115.3	112.9	122.2	171.1	---	---	---	---	---
18927	107.5	105.8	107.8	102.6	107.1	111.5	111.9	113.3	114.4	109.8
18928	125.3	120.3	112.9	113.9	113.5	117.6	119.5	114.9	118.7	119.4
18929	109.1	110.0	112.9	113.1	114.6	115.8	115.1	118.7	113.9	113.7
18930	103.1	103.0	172.8	177.0	103.1	115.2	113.9	118.2	118.0	113.9
18931	108.5	108.4	112.0	114.5	112.3	113.2	113.9	115.4	120.1	113.8
18932	106.9	109.0	101.8	108.5	108.3	113.2	110.8	115.4	120.1	118.2
18933	112.4	117.3	102.1	108.4	112.3	113.2	110.8	115.4	120.1	118.2
18934	112.9	114.5	114.7	111.3	112.3	104.8	111.7	117.1	174.6	---
18935	119.7	119.6	116.1	114.1	117.2	115.1	117.9	117.4	---	---
18936	143.4	137.1	131.9	131.3	136.4	147.3	136.0	147.4	147.5	143.0
18937	134.5	121.4	120.0	125.3	127.4	127.9	137.8	129.5	142.9	143.3
18938	134.9	123.4	119.4	110.7	118.3	123.5	129.2	128.0	118.8	104.3
18939	115.5	103.6	99.9	107.7	110.5	123.4	129.2	128.0	119.9	104.3
18940	136.0	140.1	132.7	139.6	137.4	133.8	132.0	118.1	147.1	145.3
18941	113.2	107.9	107.7	113.8	112.9	116.5	118.1	118.1	123.1	108.1
18942	130.2	130.3	132.1	130.7	134.4	132.0	128.1	132.9	131.6	109.6
18943	116.9	116.7	115.2	120.7	121.6	121.2	120.1	119.4	125.5	122.3
18944	88.9	103.0	107.9	107.7	108.7	113.3	103.6	114.1	108.4	111.9
18945	112.4	112.4	114.6	107.5	102.8	106.1	103.6	107.9	112.9	111.6
18946	118.9	117.9	119.8	116.8	118.6	110.2	118.2	119.4	115.9	121.5
18947	105.6	82.9	89.4	88.0	95.6	112.6	112.2	117.1	115.7	112.5
18948	107.8	107.8	107.8	105.4	117.4	126.6	122.1	115.6	134.5	126.4
18949	111.7	110.0	111.7	112.1	117.8	108.7	112.0	115.6	120.7	120.3
MEAN	116.4	114.5	112.9	114.0	115.6	119.4	118.6	117.1	122.9	119.5
S.D.	13.4	13.4	12.6	11.2	13.4	10.9	11.0	14.5	14.3	14.3
N	49	49	48	47	47	45	45	45	41	38

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 4 MALES

ANIMAL NUMBER	70	74	70	82	05	90	94	98	102	111
18900	123.1	123.2	122.5	119.7	121.3	118.0	104.4	108.4	114.1	106.1
18901	130.8	140.6	132.7	135.2	131.1	130.7	118.9	120.6	115.9	125.8
18902	109.5	115.7	115.6	123.6	128.1	119.4	120.0	120.1	117.7	120.8
18903	159.0	158.6	157.4	157.6	150.3	133.6	131.3	120.1	117.7	120.8
18904	123.6	125.9	122.5	121.2	119.9	118.0	115.3	118.2	122.5	129.4
18905	109.0	109.0	109.0	109.0	109.0	109.0	109.0	109.0	109.0	109.0
18906	126.8	142.5	138.6	139.7	128.4	133.3	136.4	115.7	127.7	145.3
18907	105.6	113.8	114.2	118.0	115.0	112.1	110.3	109.7	107.9	97.7
18908	131.5	136.1	134.7	122.8	100.3	117.2	119.5	109.7	107.9	97.7
18909	126.2	91.8	---	---	---	---	---	---	---	---
18910	---	---	---	---	---	---	---	---	---	---
18911	---	---	---	---	---	---	---	---	---	---
18912	---	---	---	---	---	---	---	---	---	---
18913	101.0	77.0	---	---	---	---	---	---	---	---
18914	---	---	---	---	---	---	---	---	---	---
18915	130.5	73.2	---	---	---	---	---	---	---	---
18916	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18917	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18918	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18919	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18920	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18921	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18922	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18923	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18924	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18925	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18926	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18927	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18928	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18929	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18930	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18931	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18932	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18933	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18934	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18935	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18936	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18937	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18938	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18939	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18940	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18941	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18942	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18943	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18944	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18945	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18946	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18947	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18948	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
18949	130.8	130.8	126.5	131.6	129.9	113.7	125.0	117.3	123.7	---
MEAN	119.7	118.7	120.8	120.1	121.9	116.2	113.2	115.4	116.9	120.5
S.D.	16.3	17.6	13.8	15.2	13.0	13.8	17.1	6.9	6.2	12.3
N	30	36	33	31	29	25	22	16	16	13



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Note: Weights not available for weeks 106 and 114 due to error.

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 5 MALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
19036	87.1	83.5	87.7	92.7	96.9	100.7	101.5	103.9	106.8	108.6
19001	77.1	82.8	82.5	82.1	85.1	83.8	87.3	91.5	91.5	91.5
19002	34.0	85.5	84.2	87.5	89.3	89.6	95.6	97.0	99.8	102.0
19003	75.0	89.5	89.6	94.3	94.1	96.4	101.6	103.6	104.5	104.4
19004	89.8	81.0	86.6	90.1	92.5	93.6	97.7	98.4	100.1	100.7
19005	101.2	95.9	102.7	100.7	101.3	106.4	110.9	114.7	118.5	119.1
19006	102.1	101.3	104.3	104.3	107.3	112.0	110.9	116.7	118.1	116.5
19007	72.0	95.9	96.8	96.2	97.0	95.1	94.9	104.1	108.6	106.5
19008	88.9	93.6	95.9	96.9	100.4	100.5	103.2	103.5	103.1	106.5
19009	84.1	85.3	88.1	93.4	100.2	103.9	105.4	108.8	109.5	106.2
19010	99.8	98.9	96.3	96.9	96.3	97.4	100.6	101.9	104.4	105.2
19011	92.3	90.1	91.7	94.3	104.4	105.5	108.8	111.2	113.1	111.4
19012	87.6	83.1	83.5	83.5	89.5	89.5	89.8	94.3	95.5	94.8
19013	88.4	86.1	87.7	86.8	90.9	110.1	112.8	115.8	101.8	104.8
19014	88.1	85.3	85.2	86.8	92.7	94.3	95.3	97.3	101.8	120.9
19015	88.0	86.9	87.2	89.3	94.8	94.3	95.3	99.8	101.4	101.3
19016	91.7	86.9	89.9	91.7	97.5	98.5	96.5	99.1	99.4	96.1
19017	90.6	90.1	89.9	91.2	96.1	103.7	109.7	111.2	112.4	112.8
19018	93.0	95.8	93.9	93.5	100.7	104.8	108.0	107.0	107.7	109.2
19019	78.1	95.8	90.8	93.1	95.3	103.2	103.9	103.1	108.1	109.3
19020	78.1	90.2	92.6	96.2	98.3	101.2	104.4	101.3	100.6	102.2
19021	87.1	84.3	86.9	89.5	90.6	102.7	99.9	100.6	100.8	104.6
19022	89.5	90.5	86.9	90.5	95.9	93.9	104.4	105.2	102.0	97.9
19023	84.7	90.3	89.4	86.2	89.4	94.7	98.6	99.8	102.0	108.3
19024	88.7	87.8	89.4	91.4	93.4	95.8	101.8	103.2	105.9	105.3
19025	87.9	90.0	90.5	94.2	98.1	97.8	103.0	103.6	105.9	116.2
19026	83.7	88.6	93.1	96.1	98.2	104.1	104.7	111.1	113.2	107.2
19027	83.7	88.0	91.1	82.4	85.6	85.2	83.4	106.1	85.9	90.7
19028	81.2	78.0	81.1	103.0	103.2	105.2	107.0	121.8	109.0	107.2
19029	102.8	97.4	99.6	103.4	104.2	104.7	112.4	118.7	121.8	94.4
19030	101.9	83.3	80.9	83.4	87.3	83.8	77.5	92.6	95.1	103.3
19031	82.9	73.1	80.6	85.6	104.2	104.7	101.1	103.6	110.4	113.7
19032	91.7	89.3	88.4	86.0	79.2	95.0	94.0	93.1	93.6	93.3
19033	88.2	92.0	92.6	96.7	94.4	94.5	101.0	105.6	93.6	95.7
19034	87.5	86.3	88.0	88.0	88.0	91.6	92.8	95.3	96.4	95.7
19035	85.1	83.5	81.9	87.4	90.0	94.1	118.0	114.5	115.4	113.2
19036	95.6	92.7	90.4	90.1	93.3	98.6	102.8	107.8	106.1	107.0
19037	96.6	92.0	94.5	95.2	89.3	94.1	100.9	108.6	108.6	108.3
19038	98.7	98.1	96.5	99.6	103.9	106.5	106.5	106.7	109.7	116.6
19039	84.2	98.1	88.6	94.1	95.4	96.1	88.2	93.7	93.7	91.5
19040	89.4	87.4	90.5	99.7	95.5	85.1	89.8	94.4	94.4	98.7
19041	92.7	91.4	91.1	94.0	92.5	97.6	99.8	104.2	104.2	104.6
19042	85.3	85.6	88.5	87.9	90.6	94.1	97.3	105.3	102.5	124.0
19043	91.8	84.9	85.3	89.0	93.3	88.7	97.3	91.6	91.6	86.5
19044	91.8	94.0	90.3	91.7	95.8	100.5	94.3	107.0	107.0	109.6
19045	93.8	113.0	113.7	116.0	120.1	120.5	120.2	112.6	112.6	105.6
19046	95.5	97.2	92.7	101.3	109.2	109.2	114.5	114.0	128.1	115.7
19047	96.3	95.5	86.6	95.1	95.6	99.0	93.6	114.0	128.1	115.2
19048	97.1	98.7	100.5	102.3	107.7	111.4	115.4	118.9	123.3	123.5
19049	102.8	100.7	104.4	104.0	105.9	110.2	101.5	118.0	118.3	111.0
MEAN	92.1	90.8 ^b	90.8 ^b	93.6 ^b	95.9 ^b	98.6 ^b	100.9 ^b	104.5 ^b	106.1 ^b	106.3 ^b
S.D.	8.0	7.5	7.1	7.2	8.0	7.8	8.8	9.4	9.0	8.9
N	50	50	50	50	50	50	50	50	50	50

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 5 MALES

ANIMAL NUMBER	11	12	13 ^c	14	15	16	17	18	22	26
19000	109.1	111.0	---	110.6	112.8	110.0	114.3	113.8	122.3	125.4
19001	89.1	88.1	---	91.1	88.2	---	---	---	---	---
19002	107.2	108.8	---	116.3	119.0	119.5	123.2	122.4	128.1	123.4
19003	107.8	113.6	---	104.3	108.1	106.1	107.9	107.1	106.6	95.2
19004	103.1	105.7	---	108.1	105.5	102.0	103.8	102.4	103.4	98.0
19005	123.4	124.6	---	131.1	131.1	---	---	---	---	---
19006	117.2	119.2	---	121.9	124.7	123.1	123.6	121.8	121.7	122.0
19007	108.4	104.1	---	111.2	113.7	107.9	89.2	103.2	63.9	104.3
19008	103.8	108.2	---	107.0	108.9	112.0	109.6	114.5	130.1	130.5
19009	107.2	109.2	---	108.6	108.0	106.8	107.9	105.4	108.0	101.2
19010	107.3	109.2	---	111.1	111.1	110.3	111.4	108.8	106.9	96.9
19011	112.2	113.2	---	112.7	114.8	114.8	115.7	119.9	125.7	119.8
19012	98.4	98.0	---	101.6	104.3	114.5	124.9	133.1	111.4	105.9
19013	105.9	103.8	---	105.3	106.1	107.3	106.3	106.5	125.8	111.2
19014	122.6	123.0	---	121.8	123.2	122.8	106.3	122.8	105.2	117.4
19015	101.5	101.0	---	104.9	104.7	104.6	103.1	106.6	104.6	101.5
19016	105.0	108.2	---	111.3	111.3	103.2	102.6	104.0	104.6	104.0
19017	98.5	101.5	---	104.4	101.8	103.6	103.5	114.0	110.7	114.2
19018	117.2	119.0	---	132.8	132.8	132.5	105.5	124.1	123.2	120.9
19019	119.7	119.5	---	117.9	124.3	122.7	125.5	111.2	129.1	128.6
19020	107.8	107.9	---	114.9	112.5	116.6	100.8	106.2	---	---
19021	108.8	107.9	---	112.3	106.0	106.1	107.8	107.2	104.2	106.0
19022	104.7	103.3	---	108.9	106.1	111.2	110.9	107.2	104.2	102.7
19023	100.4	100.5	---	111.1	111.1	113.6	115.4	113.9	122.1	116.1
19024	104.6	107.0	---	107.9	107.9	104.3	106.3	107.7	104.3	105.2
19025	109.2	113.4	---	117.9	120.3	110.6	112.3	112.6	116.3	118.2
19026	103.3	102.7	---	105.6	106.8	108.4	108.1	106.3	110.3	109.1
19027	116.2	118.6	---	125.8	125.8	118.9	122.2	119.3	121.2	118.2
19028	92.4	96.5	---	99.2	97.2	98.6	100.3	100.9	103.3	107.4
19029	106.7	106.5	---	103.6	104.3	109.1	113.9	116.7	123.3	127.2
19030	97.2	98.5	---	107.4	104.4	107.2	108.7	105.9	122.1	122.3
19031	103.7	103.7	---	106.8	107.4	106.2	106.6	107.5	110.6	106.5
19032	115.6	118.0	---	135.4	123.0	128.5	129.3	129.8	136.1	136.5
19033	94.7	92.8	---	97.5	97.9	103.1	103.5	107.6	116.1	113.0
19034	98.9	98.1	---	97.7	100.2	98.4	103.7	100.6	93.5	89.1
19035	114.5	114.1	---	115.9	121.1	118.8	88.2	88.8	99.9	107.5
19036	99.0	102.4	---	100.2	99.6	101.5	100.0	99.4	98.6	87.3
19037	110.9	110.6	---	86.2	86.8	87.5	122.7	118.7	128.6	119.3
19038	118.4	122.3	---	118.4	119.4	123.1	124.7	123.1	123.9	122.4
19039	91.3	92.1	---	92.1	93.4	93.0	96.0	80.1	---	---
19040	59.7	102.6	---	105.0	107.5	109.5	110.3	108.3	99.5	100.3
19041	107.9	108.7	---	120.5	119.8	118.1	120.1	112.6	106.7	102.4
19042	121.2	113.4	---	120.4	118.6	126.3	131.4	129.2	135.4	138.1
19043	88.2	88.6	---	134.7	134.3	134.7	136.8	136.6	142.0	134.5
19044	112.3	114.0	---	117.1	120.0	118.3	119.6	116.6	120.1	112.3
19045	107.9	108.6	---	116.5	120.6	122.5	124.2	124.2	123.4	123.4
19046	114.7	115.8	---	117.3	115.9	118.4	116.3	114.6	115.5	115.5
19047	116.5	115.5	---	118.2	118.6	118.2	113.0	111.2	124.6	113.1
19048	130.4	130.4	---	115.9	116.6	118.7	118.7	121.9	124.2	124.2
19049	120.4	126.1	---	126.6	124.0	128.7	128.3	129.0	114.9	112.6
MEAN	107.5 ^b	108.7 ^b	---	111.5 ^b	112.1 ^b	112.5 ^b	113.0 ^b	111.7 ^b	115.0 ^a	113.3 ^b
S.D.	9.1	9.5	---	10.4	10.7	10.1	11.0	11.7	13.6	13.0
N	50	50	---	50	50	40	40	40	46	46

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station.

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 5 MALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
19000	123.7	125.5	126.1	120.2	124.0	125.0	125.1	125.1	114.3	131.7
19001	116.4	112.0	89.6	91.0	98.3	67.0	71.2	92.5	98.7	103.6
19002	89.7	100.7	106.8	111.3	116.8	120.5	110.0	113.2	114.3	119.8
19003	99.3	88.5								
19004										
19005	122.5	121.0	119.7	122.7	124.3	124.8	125.4	127.2	100.4	122.7
19006	106.9	108.7	137.6	134.5	132.8	108.7	137.4	114.7	112.6	116.2
19007	134.5	137.9	138.4	134.5	135.1	140.4	137.4	144.0	138.9	146.9
19008	106.2	111.2	115.2	111.6	107.6	100.9	103.8	113.0	103.7	113.9
19009	92.8	92.8	97.4	97.0	104.2	70.8	85.2	88.8	105.7	103.5
19010	123.2	120.5	120.0	120.9						
19011	114.3	103.7	113.4	109.7	117.3	111.9	109.1	112.3		
19012	112.5	110.1	107.3	110.7	116.1	118.1	119.1	116.1	116.8	116.8
19013	116.3	112.7	110.2	112.9	114.7	116.9	114.4	113.4	104.9	118.1
19014	104.9	106.0	110.3	115.3	118.6	104.1	109.7	115.5	118.3	121.5
19015	105.9	106.4	105.4	106.2	107.6	86.3	72.6	79.0	99.2	107.5
19016	119.0	113.0	112.5							
19017	117.7	124.0	116.0	119.8	123.7	108.1	118.5	125.3		
19018	126.5	120.4	106.1	117.3	113.1	123.6	108.3	118.8	128.2	129.5
19019										
19020	108.6	112.8	114.1	116.4	117.9	121.7	122.6	122.6	120.9	120.0
19021	97.2	96.0	96.8	97.8	93.2	98.4	96.4	97.5	97.3	102.8
19022	112.1	113.7	112.6	101.8	121.1	101.1	106.9	102.3	121.6	118.9
19023	105.3	105.4	106.6	109.4	115.2	115.5	110.4	112.7	111.5	119.2
19024	107.1	110.1	113.5	115.9	116.2	99.6	107.0	118.7	123.4	122.7
19025	107.4	108.6	106.6	100.2	101.9	102.3	104.6	89.1	92.2	105.7
19026	117.4	117.4	119.3	120.0	103.7	120.2	112.6	129.4	100.5	115.8
19027	99.2	99.7	98.3	99.1	99.8	102.1	90.9	99.3	106.8	106.7
19028	129.2	129.4	125.8	129.8	131.3	128.9	127.5	103.0	79.1	107.4
19029	121.0	117.5	111.8	117.1	120.0	106.5	108.9	113.4	120.7	120.8
19030	109.1	105.0	105.9	107.2	105.3	106.8	108.4	112.0	116.4	115.9
19031	139.9	139.3	136.3	137.4	132.1	142.2	112.0	139.2	145.1	127.1
19032	115.5	119.5	121.3	118.2	115.4	119.2	104.3	110.1	117.3	107.0
19033	86.1	86.1	93.7	97.8	99.0	102.6	91.5	91.8	75.7	80.3
19034	105.6	105.6	90.6	98.5	105.2	107.0	105.2	99.4		
19035	184.9	190.5	99.5	105.4	106.7	109.5	104.2	109.7	104.6	101.7
19036	114.3	123.1	121.2	122.4	110.4	110.8	122.2	122.2	124.3	106.3
19037	130.0	130.0	129.8	132.0	126.3	139.2	133.0	131.7	109.8	122.4
19038										
19039	107.2	104.7	105.0	104.0	108.2	105.4	100.5	104.7	96.9	76.0
19040	96.3	98.8	102.7	104.5	106.2	103.6	95.9	93.8	94.1	110.7
19041	137.0	137.4	138.8	139.5	140.0	135.0	128.5	132.0	138.7	142.3
19042	136.6	141.4	141.8	142.8	145.9	135.6	143.4	144.9	147.2	149.5
19043	111.2	110.2	109.3	108.2	107.0	113.3	114.9	116.8	122.3	101.2
19044	120.5	110.6	114.5	119.3	120.4	120.7	120.8	125.9		
19045	124.7	117.6	111.1	117.8	120.0	118.1	120.7	123.6	122.8	123.8
19046	109.4	121.2	122.2	114.9	111.1	94.1	107.0	116.2	108.7	119.8
19047	110.4	114.1	104.5	108.5	111.6	114.3	116.8	109.2	109.3	113.2
19048	101.8	113.8	115.2	113.1	116.5	116.0	104.3	107.8	120.5	117.5
19049										
MEAN	112.1 ^a	112.8	112.2	113.7	114.2	112.3	109.1	114.3	112.2	115.4
S.D.	13.6	13.0	12.4	12.1	11.9	15.1	15.5	16.6	15.7	14.5
n	46	46	45	44	43	43	43	43	39	39

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 5 MALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102	111
19000	130.0	131.7	108.0	127.8	129.4	116.2	122.9	116.4	117.2	---
19001	---	---	---	---	---	---	---	---	---	---
19002	109.5	114.9	103.8	108.1	107.9	104.2	103.9	95.5	85.2	97.2
19003	93.8	87.5	86.8	89.3	88.4	---	---	---	---	---
19004	---	---	---	---	---	---	---	---	---	---
19005	---	---	---	---	---	---	---	---	---	---
19006	128.0	131.2	132.7	94.4	---	---	---	---	---	---
19007	108.0	114.1	117.0	112.6	111.5	111.3	101.3	96.0	94.1	---
19008	151.7	152.0	151.3	150.4	150.9	146.3	135.0	---	---	---
19009	124.8	---	---	---	---	---	---	---	---	---
19010	108.3	111.8	115.7	77.3	---	---	---	---	---	---
19011	---	---	---	---	---	---	---	---	---	---
19012	---	---	---	---	---	---	---	---	---	---
19013	121.3	123.1	117.1	115.4	117.1	106.6	85.3	---	---	---
19014	121.1	125.2	121.7	119.0	122.5	115.3	108.2	111.9	113.6	118.6
19015	118.5	125.7	124.6	101.1	101.1	---	---	---	---	---
19016	111.3	114.1	112.9	109.7	112.6	111.3	111.2	106.9	74.4	---
19017	---	---	---	---	---	---	---	---	---	---
19018	---	---	---	---	---	---	---	---	---	---
19019	89.6	---	---	---	---	---	---	---	---	---
19020	---	---	---	---	---	---	---	---	---	---
19021	114.2	119.5	105.8	112.7	111.9	111.6	---	---	---	---
19022	127.4	95.0	95.4	107.2	111.5	---	---	---	---	---
19023	125.7	127.0	128.5	122.8	121.1	112.2	114.9	103.0	113.4	125.0
19024	117.2	124.0	121.1	113.2	112.9	112.6	118.9	121.8	115.9	130.9
19025	117.6	120.2	121.1	128.9	127.8	124.2	126.6	89.5	---	---
19026	127.7	127.7	127.7	128.9	128.1	97.8	95.6	---	---	---
19027	127.1	127.1	127.1	127.1	127.1	108.6	108.6	110.2	100.5	109.2
19028	122.6	127.3	127.1	127.1	127.1	103.3	70.2	---	---	---
19029	103.2	127.1	106.7	92.2	103.8	---	---	---	---	---
19030	112.9	123.5	---	---	---	---	---	---	---	---
19031	116.8	119.5	110.6	116.9	117.8	118.2	116.1	89.2	98.8	111.1
19032	---	---	---	---	---	---	---	---	---	---
19033	117.1	---	---	---	---	---	---	---	---	---
19034	78.3	---	---	---	---	---	---	---	---	---
19035	---	95.7	100.7	98.8	94.9	87.0	74.0	---	---	---
19036	---	---	---	---	---	---	---	---	---	---
19037	103.0	106.8	106.9	108.4	107.7	---	---	---	---	---
19038	102.1	---	---	---	---	---	---	---	---	---
19039	125.3	134.3	126.3	120.8	117.7	112.2	---	---	---	---
19040	---	---	---	---	---	---	---	---	---	---
19041	112.1	110.5	110.5	104.8	106.4	93.4	94.0	98.5	---	---
19042	135.5	144.8	124.2	---	---	---	---	---	---	---
19043	145.5	156.6	156.0	145.6	149.9	139.8	---	---	---	---
19044	---	---	---	---	---	---	---	---	---	---
19045	---	---	---	---	---	---	---	---	---	---
19046	129.9	131.6	133.2	129.2	131.3	120.8	120.7	111.7	114.8	128.0
19047	128.1	---	---	---	---	---	---	---	---	---
19048	113.6	119.8	115.1	140.7	---	---	---	---	---	---
19049	---	---	---	---	---	---	---	---	---	---
MEAN	115.0	120.5	118.1	114.1	116.4	112.7	106.3	104.2	102.8	117.1
S.D.	15.2	15.7	15.0	16.9	15.0	13.6	18.0	10.6	14.8	12.0
n	35	30	28	27	24	20	17	12	10	7

Note: Weights not available for weeks 106 and 114 due to error.



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APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 6 MALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
12100	91.8	95.0	98.0	102.4	101.6	101.2	104.5	101.6	102.9	95.2
12101	91.5	97.1	98.5	106.5	106.6	110.8	110.7	110.4	117.4	120.6
12102	92.1	70.5	80.4	104.5	97.8	97.1	101.5	104.9	108.0	108.4
12103	92.3	79.8	103.4	104.5	100.9	101.5	106.9	108.0	108.5	114.6
12104	90.8	84.7	87.7	84.1	88.3	81.5	84.7	88.9	89.5	92.5
12105	90.6	96.1	97.3	95.3	96.1	100.1	101.6	102.3	106.4	104.4
12106	98.9	94.0	100.0	102.3	103.9	104.7	107.9	110.1	108.1	109.3
12107	90.3	92.5	94.1	95.4	100.0	105.1	107.9	111.1	110.1	111.6
12108	90.3	92.5	93.9	97.1	101.0	109.8	103.4	103.3	105.8	107.2
12109	86.0	84.0	90.7	87.5	93.1	97.2	103.1	103.3	105.8	104.2
12110	85.2	83.6	85.7	82.7	92.7	95.1	85.8	85.2	90.7	90.2
12111	85.2	88.1	90.1	92.0	99.4	101.5	92.7	93.2	92.7	94.5
12112	91.4	91.3	94.1	93.3	96.1	97.1	99.3	101.4	103.9	106.9
12113	91.4	90.1	92.7	92.9	94.9	97.2	104.3	103.3	103.9	108.5
12114	94.1	88.0	92.6	93.2	99.7	101.2	103.0	106.8	103.2	102.7
12115	93.8	92.4	99.6	97.7	98.7	101.1	103.0	106.8	106.9	107.4
12116	93.1	89.8	85.2	90.2	93.3	93.4	100.5	104.1	106.9	107.4
12117	94.0	103.3	108.2	113.6	119.3	123.4	128.0	126.7	131.4	132.6
12118	103.8	106.3	110.4	113.3	117.8	122.3	124.9	128.7	131.8	133.9
12119	92.0	94.3	94.3	96.2	101.0	106.2	109.9	112.0	112.6	113.9
12120	83.7	80.3	80.4	80.1	86.9	91.7	102.6	99.1	102.1	102.0
12121	80.1	67.2	80.5	84.1	91.3	95.1	102.1	108.1	108.1	107.6
12122	93.9	87.6	96.3	95.8	99.9	101.6	105.8	108.4	109.7	113.4
12123	85.4	93.4	88.3	92.6	102.9	105.3	101.2	102.5	107.5	111.6
12124	89.9	84.8	87.1	92.2	94.0	96.2	101.1	102.5	101.1	102.7
12125	92.4	91.4	97.6	97.6	91.2	94.0	95.8	100.2	101.6	112.8
12126	93.4	93.2	97.6	92.6	103.3	105.5	107.5	113.8	113.6	117.4
12127	93.4	95.2	97.6	97.0	100.4	102.0	107.8	114.8	122.2	126.0
12128	93.4	98.2	97.6	102.5	106.3	114.5	114.5	119.0	123.0	120.7
12129	103.6	98.2	101.8	100.2	104.4	104.4	109.6	113.9	117.3	123.0
12130	103.6	106.3	109.4	105.0	109.6	114.3	115.1	117.5	123.6	128.1
12131	103.6	106.3	109.4	105.0	109.6	114.3	115.1	117.5	123.6	128.1
12132	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12133	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12134	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12135	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12136	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12137	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12138	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12139	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12140	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12141	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12142	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12143	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12144	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12145	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12146	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12147	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12148	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12149	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12150	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12151	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12152	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12153	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12154	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12155	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12156	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12157	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12158	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12159	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12160	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12161	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12162	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12163	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12164	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12165	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12166	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12167	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12168	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12169	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12170	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12171	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12172	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12173	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12174	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12175	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12176	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12177	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12178	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12179	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12180	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12181	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12182	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12183	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12184	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12185	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12186	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12187	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12188	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12189	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12190	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12191	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12192	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12193	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12194	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12195	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12196	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12197	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12198	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12199	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12200	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12201	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12202	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12203	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12204	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12205	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12206	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1	128.1
12207	87.7	86.5	91.4	100.9	105.6	107.5	112.9	120.1	128.1</	

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 6 MALES

ANIMAL NUMBER	11 ^c	12	13	14	15	16	17	18	22	26
19100	---	87.4	91.5	95.0	96.8	98.7	102.3	101.1	110.1	106.2
19101	---	122.2	121.4	119.9	119.9	121.6	129.3	117.5	123.2	106.7
19102	---	106.4	110.6	111.9	108.8	111.3	119.3	108.7	127.7	101.5
19103	---	118.7	117.7	121.8	121.0	118.7	119.1	118.5	122.1	121.0
19104	---	92.9	88.8	89.5	89.8	92.1	86.8	85.6	90.7	98.3
19105	---	108.1	111.3	115.0	115.0	115.4	113.9	118.0	105.7	88.2
19106	---	115.8	113.4	113.1	112.3	117.5	115.7	116.4	113.5	111.3
19107	---	113.6	117.2	120.2	119.0	123.5	121.4	119.8	109.2	106.4
19108	---	106.7	108.5	110.2	109.5	97.2	105.7	108.5	109.9	114.7
19109	---	67.3	91.8	100.3	107.1	111.7	114.2	117.5	111.6	110.3
19110	---	101.1	104.1	110.2	110.2	112.9	109.5	112.9	115.4	104.4
19111	---	100.4	107.4	102.5	105.9	106.3	105.7	105.9	105.4	107.7
19112	---	108.7	107.4	106.8	107.8	107.8	110.4	107.2	114.3	103.2
19113	---	123.0	123.8	127.1	121.3	122.1	106.6	109.0	118.9	123.0
19114	---	105.0	108.7	110.3	104.2	104.5	123.3	123.0	121.6	123.4
19115	---	98.3	97.2	99.0	99.6	99.5	95.0	85.6	84.0	101.8
19116	---	112.4	111.6	112.2	111.2	111.9	109.6	110.5	115.3	105.0
19117	---	132.4	131.9	136.1	136.0	138.7	138.4	141.1	146.4	131.4
19118	---	114.8	113.0	113.7	134.3	139.5	141.0	137.5	177.8	108.2
19119	---	122.8	126.4	126.0	126.0	104.5	117.7	109.0	111.7	102.9
19120	---	117.3	117.8	117.7	117.7	112.9	114.6	117.2	110.8	103.6
19121	---	119.4	119.1	127.0	127.7	132.0	114.6	115.4	124.7	120.6
19122	---	111.8	117.1	120.8	118.2	119.0	115.8	133.0	129.7	125.0
19123	---	111.9	103.7	103.7	100.5	104.0	104.3	101.7	116.7	116.4
19124	---	105.0	104.1	109.5	109.8	111.7	113.3	105.7	104.3	66.3
19125	---	103.4	104.6	108.3	106.0	91.9	104.8	104.4	111.2	107.5
19126	---	116.2	119.6	125.0	121.5	123.5	125.1	124.5	107.9	98.4
19127	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	119.2
19128	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19129	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19130	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19131	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19132	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19133	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19134	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19135	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19136	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19137	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19138	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19139	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19140	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19141	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19142	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19143	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19144	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19145	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19146	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19147	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19148	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
19149	---	126.0	126.0	126.0	126.0	126.0	126.0	126.0	123.4	116.2
MEAN	---	113.7	115.3 ^a	119.0	116.6 ^b	117.4	117.6	116.8 ^a	118.3	112.6
S.D.	---	13.5	12.5	13.1	12.7	14.4	13.8	15.0	14.0	18.2
N	---	50	50	50	50	50	50	50	50	50

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station.

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 6 MALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
19100	107.8	107.9	94.7	99.1	104.1	113.1	107.0	113.7	114.2	125.1
19101	120.1	120.5	116.8	119.4	128.0	113.1	107.0	113.8	117.1	113.9
19102	107.3	105.0	94.5	99.5	102.5	105.5	103.8	113.8	97.8	111.3
19103	121.2	122.7	120.3	122.8	113.0	122.7	121.8	122.9	108.4	100.2
19104	100.7	103.2	102.9	102.9	92.2	91.2	100.7	106.2	120.6	119.1
19105	103.9	104.8	102.2	103.5	107.1	104.5	110.8	109.2	124.4	111.0
19106	111.6	111.7	113.0	112.6	117.3	111.5	119.1	120.3	118.5	135.1
19107	114.7	118.3	113.0	123.8	120.0	121.5	119.5	120.3	99.4	85.9
19108	116.9	116.1	115.7	118.3	117.3	120.2	117.0	120.8	121.7	125.9
19109	119.5	116.4	117.3	120.3	121.6	120.0	99.3	85.8	99.4	85.9
19110	81.1	80.8	96.9	97.7	102.8	107.4	106.4	120.6	106.2	112.2
19111	106.0	105.7	97.7	103.3	105.8	103.6	108.0	109.3	107.2	107.2
19112	108.6	112.9	110.9	110.2	112.4	113.5	113.5	108.7	109.0	119.1
19113	124.4	123.0	122.4	124.3	124.1	108.2	125.2	127.2	128.6	127.5
19114	120.7	118.6	99.9	118.6	124.1	108.2	125.2	127.2	128.6	127.5
19115	92.8	97.3	94.5	70.8	79.2	71.8	74.5	84.2	88.7	82.3
19116	108.8	113.3	103.0	104.8	102.2	103.7	113.0	79.3	79.3	79.3
19117	126.7	121.5	110.2	120.5	109.0	103.7	113.0	79.3	79.3	79.3
19118	101.5	106.4	102.0	111.7	111.9	114.7	111.7	113.3	106.9	90.6
19119	108.9	110.9	118.5	115.1	117.4	118.5	88.1	115.8	107.3	118.1
19120	113.5	113.1	109.0	115.2	118.0	118.0	115.2	119.7	120.9	117.2
19121	120.7	117.4	112.1	117.3	113.0	116.6	117.3	117.2	120.9	117.2
19122	128.1	125.1	119.8	120.7	119.9	117.8	123.4	124.2	123.3	125.6
19123	118.4	113.6	117.2	108.6	111.1	111.1	123.4	124.2	123.3	125.6
19124	108.6	107.1	110.4	113.9	112.0	114.1	109.6	92.4	115.2	115.2
19125	93.4	96.3	94.5	107.2	105.9	107.1	110.4	110.4	111.1	109.5
19126	121.0	119.7	114.4	107.2	110.2	105.5	122.6	125.2	121.9	121.2
19127	117.7	113.1	112.5	110.0	111.2	103.5	111.6	115.6	115.0	116.8
19128	116.7	81.4	112.5	110.0	111.2	103.5	111.6	115.6	115.0	116.8
19129	116.5	115.1	108.0	113.9	98.8	103.7	99.1	108.6	98.9	100.7
19130	113.5	115.1	108.0	113.9	98.8	103.7	99.1	108.6	98.9	100.7
19131	113.0	118.7	110.8	117.4	124.7	128.8	124.1	117.1	100.7	127.4
19132	123.4	121.0	119.4	121.0	122.5	124.4	124.9	117.2	109.7	126.4
19133	97.4	96.6	97.4	102.5	110.8	114.6	114.7	110.8	112.1	109.4
19134	96.6	94.4	90.8	100.0	101.8	100.7	89.6	101.1	108.9	112.0
19135	93.6	94.4	99.5	103.0	100.0	104.4	87.9	106.5	99.1	103.5
19136	118.5	122.4	120.6	103.7	107.0	114.6	115.2	114.3	110.0	111.5
19137	123.2	126.8	117.8	118.7	120.0	122.6	113.1	120.6	104.8	102.1
19138	111.3	118.3	115.8	118.7	115.7	121.8	118.2	120.6	121.6	120.7
19139	114.3	120.6	103.8	124.2	115.1	116.6	115.5	107.1	103.5	105.8
19140	112.8	117.1	117.1	117.4	115.4	117.9	115.9	118.4	114.8	118.3
19141	115.1	122.5	107.9	120.1	120.4	124.8	124.6	124.4	95.3	95.3
19142	123.1	125.9	122.2	121.4	122.4	124.8	119.6	122.5	130.8	131.9
19143	120.6	124.3	123.6	121.4	126.7	123.3	126.2	126.7	129.2	113.6
19144	170.4	150.6	152.5	162.3	158.7	167.3	150.9	179.1	160.8	137.1
19145	---	---	---	---	---	---	---	---	---	---
19146	105.2	---	93.9	102.0	---	---	---	---	---	---
19147	100.7	68.2	115.1	117.0	---	---	---	---	---	---
19148	126.1	126.7	115.1	116.1	---	---	---	---	---	---
19149	119.4	122.6	103.5	116.1	122.1	131.7	130.5	126.4	125.5	94.7
MEAN S.D. N	113.4 13.3 48	112.6 13.9 47	110.3 11.4 46	112.4 12.7 45	113.2 13.2 44	115.2 15.9 41	113.5 13.6 41	114.8 15.7 41	113.8 13.4 39	114.3 12.5 38

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 6 MALES

ANIMAL NUMBER	70	74	70	82	85	90	94	98	102	111
19100	127.0	121.2	104.1	95.5	101.7	75.9	96.2	82.7	84.6	94.9
19101	124.0	123.7	113.9	122.6	117.5	95.6	111.9	108.7	111.2	117.7
19103	122.9	123.1	125.1	113.1	110.3	106.9	112.8	106.5	108.8	112.7
19104	111.2	112.1	110.4	113.1	112.5	120.2	120.2	102.2	102.2	149.8
19105	113.5	121.1	121.0	120.6	132.6	137.0	144.5	147.3	145.1	149.8
19106	122.8	126.5	131.4	131.4	132.6	137.0	144.5	147.3	145.1	149.8
19107	122.8	126.5	131.4	131.4	132.6	137.0	144.5	147.3	145.1	149.8
19108	122.8	126.5	131.4	131.4	132.6	137.0	144.5	147.3	145.1	149.8
19109	130.3	133.4	129.8	128.4	133.0	136.2	124.4	126.4	130.9	139.5
19110	115.4	109.3	115.6	112.4	113.2	115.5	118.9	116.9	117.8	126.6
19111	126.7	120.0	125.4	122.5	122.5	113.6	113.6	113.6	113.6	113.6
19112	126.7	120.0	125.4	122.5	122.5	113.6	113.6	113.6	113.6	113.6
19113	126.7	120.0	125.4	122.5	122.5	113.6	113.6	113.6	113.6	113.6
19114	52.7	---	---	---	---	---	---	---	---	---
19115	---	---	---	---	---	---	---	---	---	---
19116	---	---	---	---	---	---	---	---	---	---
19117	---	---	---	---	---	---	---	---	---	---
19118	117.6	127.4	124.8	123.1	114.4	121.6	119.5	117.9	110.9	124.2
19119	124.5	121.4	123.9	122.3	124.9	78.7	---	---	---	---
19120	86.9	---	---	---	---	---	---	---	---	---
19121	126.7	120.2	124.1	96.0	111.5	119.5	83.1	---	---	---
19122	---	---	---	---	---	---	---	---	---	---
19123	---	---	---	---	---	---	---	---	---	---
19124	---	---	---	---	---	---	---	---	---	---
19125	116.7	117.5	114.9	---	---	---	---	---	---	---
19126	111.2	113.3	110.4	107.1	110.7	109.5	105.5	---	---	---
19127	---	---	---	---	---	---	---	---	---	---
19128	117.2	110.6	112.6	110.8	112.8	96.4	103.1	100.5	99.7	114.5
19129	---	---	---	---	---	---	---	---	---	---
19130	81.5	---	---	---	---	---	---	---	---	---
19131	133.8	115.6	114.7	113.9	111.1	116.8	100.2	106.3	118.2	---
19132	120.7	115.1	127.3	109.1	120.9	117.7	---	---	---	---
19133	105.3	101.0	---	---	---	---	---	---	---	---
19134	114.7	123.4	123.3	110.4	109.2	113.2	114.9	108.5	108.1	114.1
19135	109.4	105.3	60.4	101.2	101.0	92.9	98.2	---	---	---
19136	---	---	---	---	---	---	---	---	---	---
19137	101.8	113.8	103.4	105.6	91.9	122.4	123.9	121.1	119.2	124.6
19138	122.8	126.7	120.5	122.9	121.3	---	---	---	---	---
19139	115.6	111.1	104.8	---	---	---	---	---	---	---
19140	115.6	113.4	122.7	121.5	120.7	99.7	116.1	119.9	116.0	116.1
19141	---	---	---	---	---	---	---	---	---	---
19142	130.1	136.5	128.3	90.0	111.7	114.9	77.2	---	---	---
19143	130.2	135.3	132.6	137.1	153.3	193.1	---	---	---	---
19144	---	---	---	---	---	---	---	---	---	---
19145	---	---	---	---	---	---	---	---	---	---
19146	---	---	---	---	---	---	---	---	---	---
19147	---	---	---	---	---	---	---	---	---	---
19148	140.7	147.2	113.5	139.0	139.2	---	---	---	---	---
19149	119.5	135.7	131.9	---	---	---	---	---	---	---
MEAN	117.6	121.3	118.2	115.5	117.3	114.3	109.4	113.6	114.2	121.3
S.D.	13.6	10.2	11.5	12.9	13.3	23.9	16.0	15.7	15.0	14.5
n	32	29	27	23	23	21	17	12	12	11

Note: Weights not available for weeks 106 and 114 due to error.

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APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 7 MALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
19200	94.3	96.2	96.4	100.8	91.2	70.8	89.6	93.8	95.0	97.5
19201	84.4	80.9	81.7	85.2	99.6	99.6	107.1	105.8	103.9	103.8
19202	78.1	95.9	99.9	97.2	101.0	105.2	108.3	103.3	102.6	107.6
19203	108.6	97.6	102.2	105.1	105.4	108.3	126.7	122.9	103.1	117.6
19204	99.3	105.6	110.7	115.9	118.7	123.2	131.6	135.0	133.2	132.3
19205	93.8	107.4	107.8	114.9	123.9	130.0	131.6	135.0	140.4	142.6
19206	102.9	84.6	86.9	94.0	96.8	99.7	102.2	103.7	93.4	104.3
19207	88.1	84.7	87.1	87.4	91.5	94.5	97.3	100.0	101.5	105.0
19208	90.4	91.5	87.1	86.4	91.4	91.5	96.1	98.7	99.7	103.4
19209	83.3	91.9	87.1	86.4	91.4	91.5	96.1	98.7	99.7	103.4
19210	83.3	91.9	87.1	86.4	91.4	91.5	96.1	98.7	99.7	103.4
19211	89.8	90.9	92.0	95.4	111.5	89.0	109.9	117.5	110.2	124.5
19212	93.7	88.2	94.0	95.4	101.2	105.6	105.3	108.8	110.2	111.8
19213	93.7	91.3	102.1	99.3	101.2	116.9	116.9	117.5	111.1	113.0
19214	107.8	97.0	102.1	107.9	111.1	116.9	107.6	111.7	115.1	113.4
19215	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19216	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19217	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19218	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19219	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19220	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19221	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19222	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19223	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19224	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19225	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19226	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19227	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19228	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19229	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19230	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19231	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19232	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19233	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19234	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19235	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19236	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19237	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19238	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19239	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19240	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19241	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19242	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19243	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19244	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19245	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19246	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19247	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19248	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19249	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19250	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19251	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19252	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19253	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19254	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19255	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19256	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19257	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19258	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19259	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19260	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19261	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19262	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19263	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19264	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19265	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19266	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19267	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19268	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19269	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19270	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19271	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19272	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19273	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19274	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19275	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19276	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19277	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19278	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19279	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19280	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19281	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19282	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19283	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19284	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19285	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19286	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19287	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19288	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19289	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19290	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19291	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19292	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19293	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19294	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19295	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19296	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19297	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19298	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19299	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19300	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19301	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19302	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19303	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19304	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19305	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19306	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19307	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19308	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19309	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19310	86.7	89.2	91.6	92.4	92.3	92.8	98.6	101.2	103.9	108.9
19311										

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 7 MALES

ANIMAL NUMBER	11 ^c	12	13	14	15	16	17	18	22	26
1200	---	101.9	129.2	136.1	130.1	135.9	138.4	140.2	149.1	150.4
1201	---	108.8	109.4	108.1	107.3	113.8	113.8	110.3	114.5	111.5
1203	---	131.2	105.3	109.4	107.3	108.5	110.2	110.3	110.3	112.6
1204	---	100.6	101.1	99.5	98.9	99.8	96.4	98.9	103.3	104.7
1205	---	139.2	137.6	136.1	135.8	136.8	138.0	138.5	149.5	143.8
1206	---	143.9	148.2	151.5	147.8	149.3	152.6	150.2	149.0	143.6
1207	---	108.9	107.2	111.4	108.5	111.8	111.7	108.5	122.9	132.7
1208	---	106.3	106.9	90.3	133.8	109.8	115.1	116.3	115.5	112.7
1209	---	126.6	128.1	131.0	129.4	100.7	130.2	116.0	144.1	135.1
1210	---	59.5	128.4	101.0	97.1	96.7	96.7	102.6	90.1	95.2
1211	---	124.9	129.7	132.6	131.3	131.3	133.6	134.1	133.9	130.4
1212	---	117.4	115.5	118.1	118.7	122.6	123.4	128.6	131.9	128.6
1213	---	117.8	114.7	117.5	117.4	117.4	119.8	126.5	140.6	140.0
1214	---	139.2	128.6	128.1	126.1	135.4	137.9	132.5	144.4	144.4
1215	---	112.2	118.6	108.9	108.2	106.2	111.5	98.9	100.5	97.5
1216	---	113.0	118.1	105.2	105.2	111.5	111.5	111.0	112.2	113.6
1217	---	109.8	104.7	108.1	105.2	123.5	122.5	122.8	123.7	121.9
1218	---	117.9	120.9	115.0	115.7	111.8	117.9	119.0	123.4	114.9
1219	---	114.0	113.0	116.5	113.7	109.7	122.5	122.8	121.4	131.6
1220	---	112.0	120.1	120.1	115.0	109.7	123.7	120.9	110.8	115.1
1221	---	116.6	120.1	120.1	123.4	123.5	123.7	121.3	120.4	121.9
1222	---	109.5	102.8	88.3	103.4	104.9	103.7	106.3	103.6	121.2
1223	---	101.1	101.1	99.3	102.4	105.9	103.7	104.2	103.1	121.2
1224	---	99.3	100.0	98.8	92.0	98.2	95.6	97.2	102.1	106.9
1225	---	118.5	121.5	121.5	121.0	124.4	119.6	121.6	125.2	126.3
1226	---	131.7	133.9	130.2	139.2	145.2	149.9	148.3	152.4	152.7
1227	---	119.1	133.8	118.9	125.2	125.2	121.4	116.2	115.6	125.0
1228	---	129.6	127.6	126.6	126.6	114.6	121.3	121.9	117.3	118.4
1229	---	105.0	105.0	104.0	104.0	108.5	106.7	108.9	108.9	98.5
1230	---	112.4	113.6	105.7	105.7	114.7	117.9	118.1	120.2	119.2
1231	---	131.1	131.6	131.9	131.9	136.5	137.6	137.0	140.1	138.9
1232	---	112.5	115.9	109.1	112.8	113.3	113.8	111.9	108.6	105.0
1233	---	119.1	110.9	111.2	111.2	113.3	110.9	112.4	111.8	113.1
1234	---	122.3	122.9	122.0	122.0	127.2	127.5	127.7	128.0	122.7
1235	---	111.6	115.0	115.2	115.2	120.4	120.0	119.9	119.1	110.1
1236	---	114.8	120.0	124.3	124.3	128.7	126.6	124.4	124.7	120.3
1237	---	105.6	107.1	105.5	105.5	105.8	100.4	100.5	100.3	100.8
1238	---	119.6	119.6	119.6	119.6	110.4	108.7	110.1	116.7	117.1
1239	---	150.6	148.8	145.2	149.3	148.4	156.6	155.8	161.1	154.8
1240	---	121.4	125.0	123.2	123.2	119.7	121.0	121.8	131.9	128.6
1241	---	137.2	137.6	137.6	134.9	123.9	120.4	121.1	120.0	118.8
1242	---	103.5	109.2	111.5	111.5	115.6	114.9	113.6	111.1	111.6
1243	---	103.8	105.2	105.6	105.6	108.6	107.0	81.7	87.5	92.3
1244	---	123.7	119.6	123.5	120.6	121.0	120.9	117.9	137.8	142.6
1245	---	106.2	101.5	99.3	99.3	99.9	113.6	114.3	104.6	99.2
1246	---	117.2	121.2	120.1	120.1	121.8	120.2	119.6	126.5	124.1
MEAN	---	116.7 ^b	115.4 ^b	117.0 ^a	116.6 ^b	118.7 ^a	119.3 ^a	118.6 ^a	122.0	120.5
S.D.	---	11.8	12.5	14.1	13.3	12.7	13.9	14.6	16.2	16.2
"	---	48	48	48	40	48	40	48	48	48

^aWeight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^bWeight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^cWeights not taken due to breakdown of automatic weighing station

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 7 MALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
19200	129.6	138.1	137.4	126.9	133.1	130.9	97.9	138.2	106.7	149.2
19201	107.0	102.6	101.3	104.9	110.4	110.7	111.4	110.7	110.1	105.9
19203	112.4	110.9	112.2	113.5	110.2	105.0	105.7	108.3	110.0	111.1
19204	100.8	100.2	97.6	101.8	103.6	104.2	105.6	135.8	135.8	143.3
19205	146.3	144.1	141.3	134.1	139.6	141.4	109.2	133.4	130.9	136.9
19206	146.3	144.1	140.4	138.0	141.5	135.6	132.0	133.4	130.9	136.9
19207	133.7	137.8	132.7	133.8	139.8	140.2	139.2	133.4	130.9	136.9
19208	119.0	114.1	104.3	104.3	111.5	113.5	111.8	119.1	119.1	123.6
19209	134.3	131.6	117.1	116.8	122.9	125.8	113.4	126.5	123.6	123.6
19210	105.9	110.1	111.5	104.3	106.4	109.6	107.5	101.1	86.7	99.0
19211	125.9	127.5	127.5	85.8	---	---	---	---	---	---
19212	128.1	129.7	129.3	118.6	121.3	128.8	124.1	123.6	125.7	126.5
19213	133.7	130.1	131.7	124.7	132.1	127.6	129.2	129.9	135.2	134.3
19214	130.9	131.0	131.4	131.4	88.2	---	---	---	---	---
19215	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19216	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19217	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19218	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19219	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19220	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19221	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19222	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19223	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19224	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19225	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19226	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19227	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19228	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19229	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19230	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19231	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19232	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19233	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19234	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19235	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19236	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19237	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19238	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19239	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19240	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19241	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19242	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19243	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19244	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19245	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19246	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19247	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19248	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
19249	130.9	131.0	131.4	131.4	95.8	---	---	---	---	---
MEAN	118.9	119.8	118.0	115.4	117.7	119.8	113.3	116.8	117.8	119.6
S.D.	15.1	15.2	15.7	14.2	14.0	13.4	13.8	15.0	14.8	17.3
N	47	45	41	43	42	41	41	40	35	34

APPENDIX 3A (Continued)
 INDIVIDUAL AND MEAN BODY WEIGHTS
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
 EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 7 MALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102	111
17200	141.2	148.6	137.4	137.6	93.8	103.7	108.4	101.0	108.5	
17201	103.4	97.6	77.2	82.0	101.4	103.7	101.4	94.6	91.1	94.2
17202	111.9	112.8	113.9	112.3	106.2	110.1	111.6			
17203										
17204	137.6	137.0	109.6	133.9	82.9	124.9	113.6	116.1	127.3	
17205	131.2	143.4	138.6	131.0	126.9	124.5	124.1			
17206	151.6	149.9	146.2	147.7	144.4	127.4	76.9			
17207	137.0	112.5	113.0	108.5	84.3	83.7	84.3			
17208	132.4	132.4	129.0	127.5	122.4	127.7	120.4	130.7	131.2	
17209	107.4	107.4								
17210	137.7	115.2	127.2	124.6	124.4	122.0	123.0	118.6	123.4	
17211	139.0	130.1	131.9	130.5	133.2	128.0	133.9	133.5	134.0	
17212										
17213										
17214										
17215	107.8	111.8	113.5	108.9	114.3					
17216	127.0	131.6	121.2	118.7	118.7	119.2	139.7			
17217	134.7	137.4	120.7	123.3	120.8	133.4	134.9	118.1	111.7	
17218	104.4	83.6	110.1	120.5	128.5					
17219	118.2									
17220	127.5									
17221	110.4									
17222	117.9	127.7								
17223										
17224	140.1	144.4	144.1	144.1	121.4	138.5	122.4	124.4	125.5	
17225	132.9	133.0	129.6	127.4	131.5	116.6	125.8	115.0	120.6	
17226	116.6	120.8	121.7	121.2	121.2	103.9	111.9	112.5	114.6	129.0
17227	119.7	119.9	112.6	115.0	111.6	89.7				
17228	103.7	115.0	111.1	114.8	111.4	101.5				
17229	135.8	129.0	118.7	117.4	117.3	117.7	110.8	111.6	113.6	115.1
17230	127.8	129.6	124.0	124.3						
17231										
17232	139.8	132.8	103.8	108.7	117.1	122.2	125.8	110.7	121.6	134.1
17233	142.9	129.6	146.8	142.3	137.7	107.4				
17234	127.1	122.1	127.4							
17235	112.1	115.2								
17236										
17237										
17238	112.1	93.7	98.3	114.9	114.6	114.1	70.4			
17239										
17240										
17241										
17242										
17243										
17244										
17245										
17246										
17247										
17248										
17249										
17250										
17251										
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APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 8 MALES									
	1	2	3	4	5	6	7	8	9	10
12300	87.4	97.5	93.7	93.7	89.7	100.8	106.7	106.7	110.2	111.9
12301	97.0	91.8	98.6	98.6	110.8	114.2	116.1	120.3	120.6	123.0
12302	106.4	101.8	104.9	104.9	110.8	117.2	123.4	128.0	130.6	131.3
12303	86.4	89.4	88.8	88.8	94.4	98.5	100.8	101.9	106.6	107.5
12304	90.6	87.8	87.0	87.0	94.2	104.2	109.8	99.8	102.8	107.9
12305	85.7	82.1	91.4	91.4	108.8	105.5	115.8	115.0	119.8	120.5
12306	80.6	82.1	91.4	91.4	102.4	105.8	107.7	110.7	114.8	118.5
12307	86.7	84.7	100.8	100.8	103.3	105.8	103.7	108.3	113.7	118.1
12308	87.3	84.7	100.8	100.8	94.4	96.4	96.9	98.8	100.2	99.7
12309	103.3	101.5	106.8	106.8	111.7	113.3	116.0	118.1	121.0	121.6
12310	84.7	82.8	87.3	87.3	91.5	93.8	90.8	94.4	95.0	99.6
12311	81.7	74.4	85.8	85.8	104.8	105.2	110.9	109.3	114.7	119.2
12312	81.7	74.4	85.8	85.8	94.6	98.0	99.8	101.3	105.3	104.8
12313	95.6	85.5	98.2	98.2	103.5	109.7	116.8	95.0	112.2	105.9
12314	89.8	88.2	98.2	98.2	89.9	95.5	78.7	100.1	103.6	102.9
12315	89.8	88.2	98.2	98.2	87.6	94.1	84.6	95.0	103.4	102.1
12316	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12317	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12318	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12319	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12320	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12321	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12322	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12323	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12324	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12325	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12326	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12327	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12328	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12329	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12330	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12331	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12332	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12333	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12334	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12335	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12336	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12337	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12338	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12339	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12340	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12341	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12342	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12343	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12344	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12345	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12346	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12347	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12348	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12349	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12350	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12351	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12352	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12353	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12354	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12355	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12356	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12357	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12358	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12359	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12360	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12361	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12362	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12363	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12364	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12365	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12366	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12367	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12368	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12369	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12370	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12371	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12372	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12373	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12374	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12375	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12376	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12377	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12378	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12379	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12380	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12381	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12382	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12383	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12384	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12385	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12386	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12387	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12388	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12389	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12390	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12391	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12392	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12393	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12394	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12395	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12396	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12397	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12398	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12399	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1
12400	89.8	88.2	98.2	98.2	85.5	89.3	83.7	92.2	99.4	106.1

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 8 MALES

ANIMAL NUMBER	11 ^c	12	13	14	15	16	17	18	22	26
19300	---	110.9	113.8	114.0	111.0	110.4	110.6	116.2	108.4	104.3
19301	---	121.2	118.8	122.9	121.6	121.6	122.8	141.6	120.0	112.4
19302	---	135.8	139.3	140.0	142.8	142.0	144.8	147.6	143.0	132.7
19303	---	111.3	112.2	111.5	113.1	116.9	116.6	117.2	116.0	105.4
19304	---	110.1	108.4	108.1	107.6	108.3	109.2	106.9	109.5	93.2
19305	---	122.6	124.9	124.7	118.9	118.7	122.2	118.2	119.8	123.4
19306	---	120.9	123.0	125.5	127.9	124.8	126.8	129.0	126.2	118.8
19307	---	124.2	135.0	132.1	130.3	129.8	135.0	129.0	134.1	96.8
19308	---	105.1	94.0	110.7	106.4	107.4	105.6	105.1	104.1	117.0
19309	---	126.2	131.5	135.6	135.8	132.6	135.0	136.5	139.7	117.8
19310	---	96.0	93.3	96.3	89.5	91.9	90.5	91.3	100.9	83.8
19311	---	119.5	119.2	122.6	105.4	119.3	120.1	115.2	117.3	118.1
19312	---	101.0	104.1	99.3	98.0	98.4	103.8	102.6	110.2	110.2
19313	---	128.0	137.6	137.3	138.9	133.3	143.5	146.6	149.5	151.9
19314	---	105.2	105.0	107.0	106.5	108.2	108.9	101.9	102.5	102.9
19315	---	105.7	108.2	114.0	115.3	115.9	118.9	119.8	115.3	110.2
19316	---	102.6	102.7	107.1	105.2	107.5	108.5	108.0	91.0	103.2
19317	---	97.1	97.1	98.6	95.4	94.3	93.6	92.8	93.7	92.7
19318	---	119.8	116.1	115.4	115.7	113.8	113.6	113.9	109.3	120.2
19319	---	114.7	111.4	110.5	111.0	113.7	113.5	117.5	111.2	106.2
19320	---	116.1	118.7	120.0	116.6	115.5	115.4	117.7	114.5	118.5
19321	---	138.0	134.8	131.4	137.6	137.8	141.7	139.9	148.0	130.5
19322	---	93.0	95.0	94.5	93.0	94.9	94.1	96.0	96.3	94.3
19323	---	100.6	100.4	100.1	99.1	100.1	100.4	101.1	102.6	105.3
19324	---	111.6	110.4	110.5	112.3	113.4	112.8	110.6	114.7	115.4
19325	---	121.1	120.8	123.4	122.5	124.5	122.8	121.0	122.4	117.3
19326	---	102.8	101.5	103.6	103.6	104.4	107.2	103.0	104.5	107.8
19327	---	93.7	95.9	104.1	103.4	105.0	104.0	108.1	115.7	121.1
19328	---	120.1	120.1	122.8	122.1	124.3	126.7	128.1	128.7	128.8
19329	---	114.7	116.6	113.7	112.3	114.3	118.4	115.2	116.5	115.5
19330	---	138.9	136.9	135.6	134.9	133.2	131.1	132.1	122.5	92.7
19331	---	91.0	87.8	86.6	84.7	87.0	90.7	93.6	96.8	97.5
19332	---	108.4	102.1	96.3	96.2	97.4	97.4	97.8	96.7	98.4
19333	---	122.2	123.7	122.8	121.6	124.7	126.3	126.7	125.1	126.5
19334	---	121.0	121.8	125.8	129.4	129.6	133.0	138.5	149.6	137.7
19335	---	102.2	102.2	101.2	102.1	100.2	99.2	97.9	97.1	100.8
19336	---	117.4	118.6	107.5	105.5	107.5	104.9	108.2	107.9	104.8
19337	---	101.3	105.1	116.6	118.6	117.8	118.9	116.9	116.9	114.5
19338	---	127.4	127.3	125.4	124.2	124.2	125.1	109.1	104.0	104.2
19339	---	114.7	115.7	110.0	107.7	114.7	111.6	109.0	111.8	110.5
19340	---	122.9	122.7	123.4	123.0	120.7	123.0	124.1	124.1	115.8
19341	---	124.9	126.3	128.9	129.7	129.9	125.9	127.7	127.7	127.9
19342	---	129.3	125.7	125.5	124.2	128.1	118.5	119.0	114.9	117.4
19343	---	125.1	121.8	120.6	121.6	122.8	122.2	119.5	110.5	106.9
19344	---	123.9	128.6	127.8	129.0	129.1	135.9	129.4	123.6	120.9
19345	---	124.7	125.4	127.6	126.0	127.2	135.9	129.4	125.8	125.4
19346	---	113.0	112.7	115.4	112.0	117.5	111.4	108.6	107.7	107.4
19347	---	125.7	124.7	130.8	136.4	137.4	133.9	139.4	127.2	137.1
19348	---	107.8	106.5	104.6	102.9	101.5	103.4	124.4	126.1	124.1
19349	---	117.2	113.6	89.6	93.7	98.4	101.3	98.6	94.0	91.2
MEAN	114.3 ^a	114.0	114.1 ^b	114.0	114.1 ^a	114.9	115.8	115.6	115.3	112.9
S.D.	12.0	13.6	12.7	13.6	14.3	13.8	13.2	14.3	15.4	12.7
N	50	50	50	50	50	50	50	49	50	50

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 8 MALES

ANIMAL NUMBER	30	34	39	42	45	50	54	58	62	66
19300	103.1	101.1	106.7	110.1	109.8	112.9	113.9	113.2	114.8	113.8
19301	119.7	118.9	120.5	120.2	120.7	120.9	117.9	114.0	119.3	124.6
19302	133.0	134.6	133.0	142.4	---	---	---	---	---	---
19303	107.7	103.5	107.8	108.6	114.0	109.5	105.4	107.6	113.3	114.9
19304	85.2	95.5	103.9	104.1	95.2	115.6	86.1	89.0	96.9	106.3
19305	128.2	135.9	137.2	132.8	126.0	120.7	120.4	---	---	---
19306	119.5	109.4	114.7	116.5	116.5	120.4	120.4	120.1	115.3	126.0
19307	123.0	115.7	111.3	118.7	121.8	123.2	123.9	122.7	123.0	129.0
19308	100.5	105.2	100.8	104.0	109.9	104.6	97.7	107.2	109.0	117.0
19309	113.7	113.4	119.7	124.1	125.0	118.7	116.5	---	---	---
19310	106.3	109.0	110.3	113.9	126.2	---	---	---	---	---
19311	111.6	116.8	117.5	101.9	110.8	118.6	114.2	113.8	112.7	116.2
19312	96.3	111.1	112.7	116.4	113.8	112.4	112.4	118.0	117.3	120.9
19313	138.6	136.8	137.6	138.8	131.1	132.6	135.2	---	---	---
19314	101.8	108.9	105.8	99.8	106.7	101.5	101.5	113.1	108.7	111.6
19315	110.6	114.2	102.1	108.0	111.1	108.6	104.3	106.7	109.4	110.5
19316	107.5	107.2	95.7	99.4	92.8	90.6	90.6	106.2	106.2	109.0
19317	97.5	107.2	90.0	93.0	123.5	100.4	103.2	103.8	103.9	115.2
19318	118.6	120.5	118.3	119.8	115.4	126.0	123.0	128.6	135.2	115.2
19319	117.2	118.0	98.8	108.7	115.4	117.5	122.0	117.3	121.0	121.0
19320	118.0	125.5	110.3	105.0	110.7	111.9	---	---	---	---
19321	125.5	123.4	93.8	112.3	99.3	86.4	102.4	115.3	104.1	121.0
19322	87.5	120.1	83.4	89.4	59.4	77.3	83.1	92.4	93.3	123.9
19323	113.3	120.1	107.9	108.7	114.6	113.5	116.9	116.1	115.5	125.2
19324	114.0	113.0	109.3	109.3	115.5	114.0	112.6	119.8	122.2	---
19325	117.4	114.6	93.6	106.7	105.2	107.7	116.8	111.0	110.0	111.3
19326	105.1	106.3	93.7	94.5	104.7	109.8	93.7	122.8	126.8	120.8
19327	120.8	119.4	119.7	117.5	108.7	119.3	123.4	123.0	131.2	131.2
19328	124.3	115.7	118.3	106.7	105.5	113.5	121.6	109.8	118.6	120.7
19329	114.1	112.2	105.8	106.7	84.4	80.2	101.8	---	---	---
19330	117.1	117.8	82.2	129.4	83.4	---	---	---	---	---
19331	88.4	108.4	86.8	93.6	97.6	98.6	103.1	106.1	109.1	109.1
19332	102.5	108.0	103.9	103.2	93.3	92.7	101.1	105.7	107.0	107.0
19333	122.5	108.0	103.9	118.1	113.8	119.4	117.2	122.0	126.0	122.8
19334	131.9	130.4	126.5	130.9	135.4	137.2	135.3	139.0	140.4	135.7
19335	102.4	98.8	99.2	95.3	93.1	101.7	103.6	105.3	110.3	110.2
19336	104.8	104.9	79.8	99.7	99.2	106.8	110.8	105.0	114.8	109.7
19337	113.8	106.6	88.4	102.8	102.8	108.1	97.1	115.4	116.6	109.6
19338	106.8	105.6	90.5	104.9	108.8	104.7	103.1	105.8	111.2	---
19339	116.0	113.5	109.3	102.2	105.9	106.7	---	---	---	---
19340	114.4	122.4	117.1	114.2	116.4	110.2	118.5	120.8	---	---
19341	122.7	122.4	117.0	110.2	111.8	113.7	121.0	124.2	131.2	133.9
19342	105.5	115.3	88.7	107.9	107.4	106.5	108.9	113.9	113.5	94.1
19343	120.4	118.8	91.5	100.7	---	---	---	---	---	---
19344	128.2	122.2	122.8	127.8	121.6	112.5	123.1	131.4	130.1	131.8
19345	108.1	104.7	103.1	107.7	111.2	113.1	126.3	144.1	100.2	108.3
19346	133.5	118.6	123.1	102.7	124.8	123.4	129.9	134.3	138.3	132.7
19347	118.8	115.5	125.5	122.7	123.3	128.7	124.2	130.1	131.7	138.2
19348	100.8	107.7	95.5	101.9	108.5	111.0	108.3	112.3	110.0	110.7
MEAN	113.2	113.6	106.4 ^a	109.4 ^a	107.0 ^b	110.0	110.6	115.2	116.0	117.6
S.D.	11.6	10.9	14.5	12.2	16.3	12.8	14.0	10.2	11.3	10.9
N	50	50	50	49	48	45	43	40	38	37

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 8 MALES									
	70	74	70	82	85	90	94	98	102	111
19300	105.2	107.6	105.2	137.0	132.4	122.1	119.9	118.1	109.7	120.3
19301	128.0	124.7	136.0	134.0	132.4	122.1	119.9	118.1	109.7	120.3
19302	112.1	116.6	117.9	115.3	98.2	109.9	111.2	97.8	72.6	---
19303	111.3	112.8	111.4	---	---	---	---	---	---	---
19304	111.3	112.8	111.4	---	---	---	---	---	---	---
19305	132.7	133.8	126.2	126.1	122.4	118.5	118.3	117.8	111.4	117.7
19306	125.4	130.7	110.1	118.8	116.4	107.8	85.0	98.8	103.9	105.0
19307	118.6	118.3	117.3	---	---	---	---	---	---	---
19308	---	---	---	---	---	---	---	---	---	---
19309	---	---	---	---	---	---	---	---	---	---
19310	121.9	111.6	---	---	---	---	---	---	---	---
19311	118.9	123.0	119.0	117.6	123.4	118.8	122.0	100.0	108.1	124.6
19312	---	---	---	---	---	---	---	---	---	---
19313	116.3	117.5	114.4	112.6	112.3	110.1	109.0	112.6	115.8	115.6
19314	111.9	119.0	108.1	104.8	104.8	97.9	---	---	---	---
19315	107.2	112.8	108.3	112.3	114.9	97.2	---	---	---	---
19316	111.2	112.8	108.9	108.5	108.3	101.5	---	---	---	---
19317	---	---	---	---	---	---	---	---	---	---
19318	124.1	124.9	123.0	123.5	122.2	112.5	118.0	105.4	---	---
19319	136.4	133.7	138.2	133.2	113.7	110.2	113.9	109.7	106.9	---
19320	101.1	101.1	120.8	121.1	128.6	125.9	121.3	122.3	126.5	121.2
19321	117.3	121.4	123.6	122.6	128.8	---	79.0	104.0	---	---
19322	128.9	127.5	---	---	---	---	---	---	---	---
19323	112.3	113.1	112.5	110.5	107.8	97.2	101.6	---	---	---
19324	129.7	131.2	129.0	126.2	123.3	112.2	---	---	---	---
19325	128.8	132.4	131.2	129.7	---	---	---	---	---	---
19326	119.8	125.1	122.0	119.3	120.2	120.5	114.8	113.1	118.4	124.0
19327	---	---	---	---	---	---	---	---	---	---
19328	95.7	105.6	110.5	79.3	70.2	76.6	---	---	---	---
19329	107.2	103.8	107.1	106.3	106.0	103.6	106.0	103.5	106.1	108.8
19330	125.2	124.9	124.7	121.3	119.7	---	---	---	---	---
19331	142.1	142.8	138.9	135.2	144.0	201.2	---	---	---	---
19332	113.0	112.9	118.1	---	---	---	---	---	---	---
19333	120.2	135.4	127.8	115.4	107.9	76.6	---	---	---	---
19334	101.4	105.1	109.7	108.6	103.8	114.7	---	---	---	---
19335	---	---	---	---	---	---	---	---	---	---
19336	137.1	137.5	137.0	119.0	84.6	---	---	---	---	---
19337	87.5	119.1	115.5	113.5	118.0	---	---	---	---	---
19338	131.6	139.9	130.1	131.0	131.2	121.0	113.7	126.9	126.7	129.8
19339	103.9	112.3	112.8	117.0	119.7	117.1	113.5	109.8	107.5	121.2
19340	138.6	134.6	104.6	124.3	130.6	---	---	---	---	---
19341	141.1	116.9	---	---	---	---	---	---	---	---
19342	65.1	80.3	104.7	106.6	110.9	79.6	104.8	104.5	103.4	---
19343	---	---	---	---	---	---	---	---	---	---
19344	119.5	119.5	118.8	118.2	114.8	113.3	107.5	107.6	109.0	118.8
19345	14.1	11.5	10.4	12.0	14.9	22.8	12.3	8.8	13.4	7.4
19346	32	36	33	30	28	24	16	15	13	10
MEAN	119.2	119.5	118.8	118.2	114.8	113.3	107.5	107.6	109.0	118.8
S.D.	14.1	11.5	10.4	12.0	14.9	22.8	12.3	8.8	13.4	7.4
N	32	36	33	30	28	24	16	15	13	10

Note: Weights not available for Weeks 106 and 114 due to error



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APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

CRIMINAL NUMBER	GROUP 9 MALES									
	1	2	3	4	5	6	7	8	9	10
15406	95.0	97.5	88.0	91.2	94.3	97.2	96.7	100.1	101.7	124.0
15407	95.0	98.0	91.1	89.6	95.8	100.4	107.8	118.4	119.0	108.0
15408	95.0	98.0	103.6	104.8	104.2	103.2	113.0	96.5	102.4	104.2
15409	81.5	82.0	97.5	93.4	90.3	94.3	113.1	105.4	102.4	112.5
15410	86.5	83.0	83.5	87.1	87.3	94.3	102.0	109.4	109.0	110.4
15411	80.2	66.8	77.9	81.4	80.7	88.9	83.0	93.7	93.8	117.1
15412	93.6	93.0	97.3	106.2	106.2	110.4	110.9	113.8	115.1	117.2
15413	85.6	87.0	86.6	92.3	92.6	102.2	101.7	104.4	106.0	104.2
15414	98.7	90.0	79.0	102.3	103.9	81.2	100.7	95.4	95.7	119.2
15415	77.7	63.6	80.2	80.0	83.0	89.2	90.7	92.8	93.0	118.2
15416	92.7	90.0	94.8	93.8	94.1	99.8	114.5	103.3	108.0	124.2
15417	92.4	100.0	101.2	105.8	103.4	111.7	114.9	113.7	114.7	124.2
15418	96.4	99.2	104.4	108.8	109.2	115.2	114.9	113.0	114.7	124.2
15419	106.1	100.0	107.0	104.2	107.1	107.4	113.5	120.0	123.0	127.0
15420	92.6	84.2	95.5	85.3	88.6	94.5	98.3	102.1	107.0	111.4
15421	101.0	101.7	97.9	104.0	107.6	113.1	119.1	118.2	115.0	120.1
15422	95.3	73.8	91.9	112.2	108.9	112.2	118.5	122.4	121.7	123.4
15423	91.5	93.7	92.7	72.6	75.6	81.0	84.2	82.3	89.5	93.8
15424	91.5	93.7	92.7	100.0	105.4	96.0	99.1	111.4	112.4	114.4
15425	93.3	103.0	102.8	87.4	89.9	99.8	104.8	102.9	113.0	104.4
15426	91.4	90.3	88.5	93.8	94.9	103.8	107.4	111.7	113.0	117.0
15427	96.2	92.7	90.3	92.4	92.6	96.0	97.4	98.8	101.0	112.4
15428	100.0	97.7	95.6	85.4	81.4	96.2	94.8	106.4	109.0	107.7
15429	84.4	97.7	85.0	106.1	100.6	105.4	109.4	114.0	116.0	117.7
15430	87.8	98.0	85.0	97.5	91.6	91.7	97.9	114.0	115.0	102.6
15431	87.8	98.0	85.0	89.4	92.4	97.5	93.2	102.5	104.0	106.5
15432	88.9	92.8	92.8	101.0	104.2	109.3	110.9	109.0	110.0	105.5
15433	88.9	92.8	92.8	106.8	105.5	105.5	110.9	111.0	110.0	105.5
15434	93.3	86.7	83.1	82.3	83.1	85.7	88.0	118.7	116.0	118.2
15435	104.1	102.0	102.1	107.0	105.4	110.0	110.0	113.8	115.8	124.2
15436	93.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15437	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15438	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15439	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15440	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15441	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15442	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15443	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15444	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15445	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15446	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15447	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15448	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15449	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15450	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15451	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15452	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15453	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15454	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15455	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15456	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15457	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15458	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15459	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15460	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15461	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15462	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15463	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15464	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15465	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15466	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15467	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15468	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15469	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15470	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15471	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15472	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15473	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15474	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15475	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15476	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15477	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15478	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15479	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15480	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15481	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15482	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15483	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15484	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15485	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15486	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15487	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15488	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15489	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15490	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15491	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15492	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15493	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15494	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15495	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15496	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15497	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15498	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15499	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2
15500	95.6	87.1	85.2	90.5	89.5	98.2	99.8	113.8	115.8	124.2

b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 9 MALES

ANIMAL NUMBER	11 ^c	12	13	14	15	16	17	18	22	26
19400	---	108.8	106.6	113.1	113.7	111.2	112.7	112.8	119.6	112.4
19401	---	130.7	129.9	127.2	130.9	130.0	127.6	127.6	127.5	124.6
19402	---	107.5	111.0	111.0	94.6	105.5	106.2	108.8	100.3	100.7
19404	---	123.2	125.4	127.6	125.0	130.1	129.5	127.8	119.8	119.7
19405	---	117.0	113.1	113.8	102.4	107.6	128.8	121.4	115.8	117.7
19406	---	104.9	114.6	116.2	116.2	117.6	114.2	117.9	115.8	116.7
19407	---	92.3	90.6	89.3	89.0	89.5	88.6	88.0	87.7	86.3
19408	---	122.9	117.9	118.4	117.2	117.2	117.2	118.0	131.1	126.7
19409	---	111.7	105.4	107.7	104.6	104.5	117.2	107.3	109.0	102.2
19410	---	111.7	105.4	112.5	115.8	115.3	116.8	114.9	113.5	116.2
19411	---	99.8	100.2	109.7	103.9	105.0	104.5	108.8	109.9	108.9
19412	---	124.8	122.4	124.2	124.5	128.0	123.9	123.2	97.9	111.1
19413	---	111.0	109.3	110.6	109.5	109.6	107.9	107.7	99.2	104.7
19414	---	120.4	117.3	116.7	114.2	113.3	112.0	108.2	105.0	107.0
19415	---	111.4	110.3	108.2	100.5	121.6	101.6	99.5	97.0	95.9
19416	---	123.9	126.4	125.5	123.7	121.6	124.8	124.6	126.9	113.8
19417	---	127.7	121.3	129.1	128.0	126.5	123.7	120.9	131.4	132.0
19418	---	114.5	115.1	114.1	111.4	115.4	115.2	118.8	121.6	113.6
19419	---	117.9	115.8	107.3	112.1	115.9	115.2	114.8	121.6	132.8
19420	---	134.5	132.9	135.5	132.2	133.8	136.0	135.6	132.2	134.2
19421	---	99.3	99.3	98.6	96.8	97.4	97.8	95.6	96.4	98.0
19422	---	113.3	113.3	110.5	106.5	101.0	102.8	98.5	108.4	110.2
19423	---	104.5	104.5	101.5	100.2	100.6	98.9	97.2	96.7	109.2
19424	---	114.8	118.2	117.7	120.2	110.9	115.7	116.1	121.7	117.7
19425	---	115.3	118.1	119.6	118.1	116.5	115.7	116.7	121.0	117.7
19426	---	128.0	126.9	127.0	121.6	121.5	111.0	105.3	116.9	124.9
19427	---	110.6	107.8	125.4	126.7	125.7	105.3	103.6	116.9	105.7
19428	---	128.6	123.6	127.7	126.7	125.7	128.7	130.7	138.6	131.8
19429	---	108.3	101.3	101.9	101.1	103.3	102.5	103.2	102.4	108.1
19430	---	101.3	101.3	100.7	99.1	98.7	100.9	99.9	99.7	96.1
19431	---	108.7	109.7	109.7	109.4	107.9	122.5	111.4	102.8	102.4
19432	---	113.3	113.3	112.6	117.4	129.8	131.8	119.9	113.7	113.4
19433	---	117.3	109.5	108.9	113.9	110.3	118.0	115.2	120.6	125.2
19434	---	117.3	112.7	115.6	111.9	110.0	114.2	119.5	109.3	112.0
19435	---	92.9	140.4	144.8	146.8	151.1	154.2	151.5	152.7	119.3
19436	---	120.7	125.8	128.2	126.5	118.0	124.5	122.2	124.7	122.2
19437	---	118.9	119.8	122.0	123.2	118.7	128.7	127.4	132.3	125.0
19438	---	105.8	104.9	104.2	104.6	108.3	112.7	111.1	117.7	114.0
19439	---	104.2	103.0	104.9	105.2	108.6	110.7	109.8	113.2	113.8
19440	---	140.4	92.4	91.9	88.4	92.4	91.3	89.7	88.7	87.3
19441	---	110.9	114.9	110.8	110.6	107.5	107.8	110.2	112.2	107.3
19442	---	116.8	123.0	103.6	106.6	109.2	109.8	106.6	107.5	126.3
19443	---	103.5	106.1	128.2	120.6	117.2	117.1	119.3	107.5	121.3
19444	---	130.6	139.3	139.3	137.4	113.6	115.2	110.8	118.2	112.7
19445	---	117.5	117.5	110.9	111.5	113.3	116.4	115.1	106.3	93.5
19446	---	116.6	113.7	114.6	113.7	113.1	115.6	112.1	111.0	102.6
19447	---	99.1	98.0	97.3	97.0	95.6	93.4	93.3	95.3	96.7
19448	---	89.4	89.2	88.9	88.5	84.2	81.3	80.6	97.2	73.8
19449	---	100.9	104.4	102.8	103.9	109.6	111.4	113.1	118.1	124.4
MEAN	---	114.0	113.4 ^b	113.4 ^a	112.4 ^b	111.9 ^b	113.1 ^a	110.9 ^a	113.2 ^b	111.6 ^b
S.D.	---	11.3	11.7	12.2	12.7	13.1	12.4	20.2	13.4	12.9
N	---	49	49	49	49	49	49	49	49	49

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

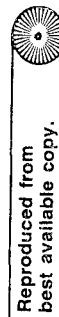
ANIMAL NUMBER	GROUP 9 MALES									
	30	34	38	42	46	50	54	58	62	66
19400	114.0	117.2	114.0	81.6	106.4	114.3	114.1	117.1	118.7	119.9
19401	113.8	127.6	116.4	119.3	118.4	98.2	116.5	122.3	129.1	128.6
19402	99.8	98.3	98.8	81.5	77.6	84.4	87.7	91.5	80.3	96.2
19403	116.7	114.4	99.5	94.9	96.8	99.9	108.9	112.7	118.8	96.0
19404	123.8	124.0	121.1	119.7	122.1	123.3	126.2	123.7	115.8	100.3
19405	130.5	126.8	122.1	92.2	92.9	99.1	103.6	103.6	104.5	103.2
19406	106.7	106.8	122.1	122.0	114.3	121.2	118.3	133.0	133.9	116.6
19407	106.7	110.0	102.8	101.0	101.3	96.7	99.8	103.3	111.6	117.1
19408	117.8	118.5	106.1	108.0	110.5	111.9	100.8	137.1	109.7	78.7
19409	109.4	103.0	101.5	104.1	97.8	102.0	104.3	110.1	109.7	101.0
19410	111.1	103.3	102.5	104.1	106.7	107.4	105.7	103.8	106.8	107.0
19411	101.7	96.3	82.5	96.5	100.6	92.0	88.1	106.7	113.9	119.0
19412	112.9	113.1	110.5	109.2	103.3	80.0	86.1	103.5	130.4	126.6
19413	100.1	92.0	92.0	93.2	97.1	103.6	99.6	106.7	130.4	126.6
19414	120.3	122.0	111.8	121.2	121.2	115.9	120.9	121.2	124.3	93.3
19415	127.0	127.8	83.9	102.7	116.6	117.4	101.7	118.0	124.3	140.8
19416	109.0	111.9	90.8	101.5	111.4	117.2	110.7	124.8	136.5	130.3
19417	135.2	128.9	107.6	127.3	127.3	127.7	134.1	133.7	136.5	130.3
19418	137.2	130.9	129.7	123.3	123.3	120.1	134.1	133.7	136.5	130.3
19419	96.4	99.9	97.3	94.2	97.7	96.1	86.4	98.8	98.1	82.3
19420	114.2	113.5	101.6	99.9	105.4	107.6	109.9	110.8	74.7	74.7
19421	104.7	104.7	101.6	99.9	98.1	95.9	109.9	102.9	102.2	102.2
19422	125.1	108.0	114.6	116.7	103.4	119.4	93.3	114.4	117.5	121.1
19423	131.0	131.0	128.4	124.9	128.6	129.9	138.8	123.9	126.6	126.6
19424	114.3	107.0	109.0	109.8	118.4	125.5	137.7	113.1	122.6	126.6
19425	93.7	92.6	95.5	85.3	90.1	93.5	138.2	134.1	103.0	126.6
19426	135.9	135.7	128.4	135.7	136.8	133.6	132.9	134.1	131.9	137.3
19427	106.4	102.5	106.8	135.7	109.7	133.6	132.9	134.1	131.9	137.3
19428	105.6	101.0	94.8	91.7	109.7	93.1	134.1	131.9	131.9	137.3
19429	115.1	110.1	108.5	108.6	107.2	99.9	134.1	131.9	131.9	137.3
19430	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19431	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19432	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19433	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19434	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19435	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19436	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19437	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19438	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19439	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19440	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19441	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19442	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19443	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19444	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19445	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19446	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19447	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19448	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19449	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19450	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19451	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19452	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19453	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19454	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19455	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19456	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19457	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19458	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19459	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19460	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19461	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19462	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19463	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19464	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19465	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19466	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19467	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19468	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19469	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19470	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19471	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19472	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19473	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19474	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19475	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19476	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19477	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19478	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19479	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19480	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19481	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19482	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19483	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19484	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19485	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19486	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19487	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19488	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19489	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19490	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19491	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19492	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19493	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19494	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19495	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19496	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19497	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19498	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19499	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19500	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19501	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19502	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19503	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19504	123.3	124.8	123.5	108.6	107.2	110.5	134.1	131.9	131.9	137.3
19505	123.3	124.8	123.5	108.						

APPENDIX 3A (Cont. Ined)

INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 7 MALES									
	70	74	76	82	85	90	94	98	102	111
19400	122.2	122.7	123.2	122.5	121.9	121.3	119.1	121.0	115.6	---
19401	124.0	140.4	130.9	130.9	141.4	133.9	119.7	---	---	---
19402	101.4	104.6	106.2	97.8	92.4	89.0	79.4	---	---	---
19403	---	---	---	---	---	---	---	---	---	---
19404	117.5	127.0	---	---	---	---	---	---	---	---
19405	110.8	107.3	74.8	89.4	91.1	101.6	85.9	---	---	---
19406	138.5	121.4	133.5	131.9	129.9	124.6	111.8	119.7	---	---
19407	118.8	91.7	76.9	95.1	87.0	---	---	---	---	---
19410	---	---	---	---	---	---	---	---	---	---
19411	89.3	106.9	104.7	103.2	113.1	109.1	108.7	103.0	103.0	104.4
19412	107.7	112.2	110.3	111.6	115.4	112.4	111.9	102.7	105.5	---
19413	107.8	104.0	109.0	108.2	---	---	---	---	---	---
19414	116.9	118.0	72.2	---	---	---	---	---	---	---
19415	102.3	105.4	106.8	---	---	---	---	---	---	---
19416	128.4	137.8	134.9	134.2	137.1	135.3	133.6	134.5	132.8	---
19417	---	---	---	---	---	---	---	---	---	---
19418	144.4	---	---	---	---	---	---	---	---	---
19420	---	---	---	---	---	---	---	---	---	---
19421	93.2	99.3	106.3	103.0	102.2	101.8	97.9	86.0	---	---
19422	---	---	---	---	---	---	---	---	---	---
19423	---	---	---	---	---	---	---	---	---	---
19424	116.4	125.0	129.1	112.2	99.9	109.5	83.4	---	---	---
19425	123.4	129.7	---	---	---	---	---	---	---	---
19426	113.1	120.2	91.1	87.0	96.7	91.1	108.6	111.6	116.1	---
19427	---	---	---	---	---	---	---	---	---	---
19428	138.2	136.4	---	---	---	---	---	---	---	---
19429	111.9	116.4	118.9	118.6	119.9	120.9	118.8	115.4	115.2	---
19430	110.3	111.9	112.8	105.8	106.6	104.4	95.2	---	---	---
19431	127.1	128.4	126.0	---	---	---	---	---	---	---
19432	123.6	115.0	---	---	---	---	---	---	---	---
19433	141.0	142.2	118.0	---	---	---	---	---	---	---
19434	126.6	---	---	---	---	---	---	---	---	---
19435	---	---	---	---	---	---	---	---	---	---
19436	136.4	140.9	134.6	134.5	133.9	134.6	85.1	---	---	---
19437	136.4	132.1	138.8	138.0	137.3	111.6	117.0	116.5	123.7	---
19438	73.1	---	---	---	---	---	---	---	---	---
19439	142.4	141.7	124.3	160.4	205.7	---	---	---	---	---
19440	97.5	---	---	---	---	---	---	---	---	---
19441	120.4	121.4	120.0	123.9	123.6	109.7	106.5	105.5	112.9	108.2
19442	123.1	---	---	---	---	---	---	---	---	---
19443	131.6	125.8	124.4	117.8	124.6	102.3	---	---	---	---
19444	124.8	126.4	122.6	124.4	121.2	120.9	---	---	---	---
19445	---	---	---	---	---	---	---	---	---	---
19446	113.0	83.0	---	---	---	---	---	---	---	---
19447	---	---	---	---	---	---	---	---	---	---
19448	75.1	78.9	---	---	---	---	---	---	---	---
19449	133.4	135.0	136.4	131.2	130.5	134.6	129.5	124.4	120.4	---
MEAN	118.4	115.0	115.3	118.4	120.6	114.1	106.5	112.8	116.1	106.3
S.D.	17.1	16.6	19.3	17.5	25.4	14.4	16.3	13.1	9.0	2.7
N	37	32	26	22	21	19	17	11	9	2

Note: Weights not available for Weeks 106 and 114 due to error.



APPENDIX 3A (Continued)
 INDIVIDUAL AND MEAN BODY HEIGHTS
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
 EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 10 MALES

INDIVIDUAL NUMBER	1	2	3	4	5	6	7	8	9	10
19560	84.0	86.4	90.5	90.3	92.3	95.4	99.0	101.5	100.3	107.1
19561	81.4	86.3	88.8	94.3	98.8	102.8	107.6	111.5	114.8	115.7
19562	103.0	107.7	108.2	118.0	125.0	128.2	131.5	134.7	137.1	139.7
19563	86.8	87.5	88.6	92.7	96.0	104.1	110.8	115.7	118.1	122.8
19564	85.9	90.5	97.1	93.4	100.3	108.5	113.2	115.4	120.9	123.4
19565	87.1	90.9	103.1	83.3	85.0	91.1	96.4	98.3	109.1	113.4
19566	102.5	104.8	105.3	113.4	105.2	107.8	111.5	112.3	114.9	116.1
19567	88.9	92.5	93.8	93.7	95.4	102.0	105.1	111.7	112.5	119.8
19568	91.1	95.1	95.9	101.0	104.8	115.5	101.8	116.3	117.8	119.0
19569	93.4	97.9	97.7	86.5	103.4	107.0	112.1	112.3	119.0	120.2
19570	97.9	99.0	90.9	97.1	98.6	104.5	108.1	108.9	110.0	110.4
19571	91.7	93.0	94.0	101.0	95.4	106.9	111.9	112.0	112.7	115.7
19572	92.3	94.0	94.1	105.4	102.4	110.1	111.9	118.9	120.9	121.1
19573	97.7	97.7	96.1	105.0	105.2	110.1	111.2	117.7	120.9	123.4
19574	98.2	100.4	101.8	84.5	97.7	105.2	108.9	110.7	113.8	119.9
19575	98.6	100.8	91.8	98.8	96.0	97.5	103.0	98.1	94.1	99.5
19576	92.2	98.0	91.2	98.3	102.3	106.5	111.0	117.7	123.0	101.2
19577	93.3	98.1	97.9	100.8	104.3	106.5	111.2	105.9	118.2	121.9
19578	87.6	93.0	87.8	93.2	100.8	104.5	110.4	110.3	115.4	115.1
19579	91.4	90.2	93.3	98.4	99.8	108.7	113.0	111.2	115.2	123.1
19580	94.2	99.6	100.5	104.5	108.0	112.6	118.3	120.7	125.1	126.0
19581	83.3	85.6	85.7	90.9	91.2	102.6	102.6	101.7	103.0	104.0
19582	93.0	94.6	98.1	103.2	106.1	108.6	113.6	116.0	122.1	124.1
19583	90.0	97.2	102.5	104.3	107.7	118.0	113.0	133.0	135.4	141.0
19584	92.8	98.6	100.6	104.6	108.2	115.7	120.7	117.1	119.6	131.0
19585	97.8	97.4	97.0	100.5	108.8	105.8	110.1	126.4	130.7	131.0
19586	96.7	97.7	82.0	84.5	85.1	91.1	95.3	108.4	110.4	119.0
19587	94.1	98.4	101.5	106.0	110.2	111.1	108.1	113.9	120.9	129.6
19588	94.0	96.8	104.6	109.0	114.3	114.3	118.3	120.3	122.6	134.1
19589	90.1	97.8	95.9	102.9	104.0	113.8	111.8	119.9	119.7	125.9
19590	93.4	97.0	102.3	106.9	107.7	117.9	111.8	122.1	123.1	134.7
19591	91.4	97.8	95.0	105.1	95.2	106.0	99.0	98.0	99.1	100.3
19592	81.0	82.4	85.0	87.2	106.2	110.5	106.0	106.9	107.2	122.1
19593	81.1	83.6	98.7	87.2	98.6	102.5	108.0	109.9	112.2	127.9
19594	96.5	99.9	98.7	91.4	94.8	129.8	98.7	113.2	116.6	131.9
19595	104.5	113.9	113.0	118.9	124.8	129.8	134.1	140.0	143.3	149.8
19596	96.0	97.4	92.0	95.9	94.0	91.5	103.0	107.4	113.7	121.4
19597	94.1	92.7	92.0	101.8	107.8	109.1	110.5	112.2	114.2	114.3
19598	93.3	94.3	105.7	98.9	102.4	121.4	120.6	113.3	116.0	117.4
MEAN	92.1	94.6	96.2	99.4	102.7	106.8	111.2	113.3	115.9	119.3
S.D.	5.0	6.4	6.7	7.5	7.9	8.2	8.6	9.5	10.6	10.9
N	50	50	50	50	50	50	50	50	50	50

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 10 MALES					
	11	12	13	14	15 ^c	16
19500	---	---	---	122.8	---	117.4
19501	---	116.5	121.1	111.5	---	115.0
19502	---	119.0	137.0	120.4	---	122.9
19503	---	120.0	124.3	116.6	---	124.0
19504	---	120.0	140.0	143.0	---	142.0
19505	---	120.0	101.1	97.4	---	101.3
19506	---	120.0	114.2	113.7	---	117.5
19507	---	120.0	140.0	146.3	---	146.1
19508	---	120.0	125.5	127.4	---	130.1
19509	---	120.0	113.3	123.4	---	140.6
19510	---	120.0	113.3	123.4	---	120.0
19511	---	120.0	115.8	116.0	---	110.2
19512	---	120.0	102.9	102.3	---	98.7
19513	---	120.0	115.0	116.8	---	121.6
19514	---	120.0	111.3	115.9	---	111.9
19515	---	120.0	125.8	125.4	---	128.0
19516	---	120.0	122.2	119.4	---	117.5
19517	---	120.0	107.1	111.1	---	122.4
19518	---	120.0	104.4	103.8	---	116.1
19519	---	120.0	124.7	126.0	---	96.7
19520	---	120.0	116.8	112.8	---	119.0
19521	---	120.0	105.6	106.3	---	112.9
19522	---	120.0	120.7	107.3	---	105.4
19523	---	120.0	123.8	122.3	---	96.5
19524	---	120.0	120.2	127.1	---	127.0
19525	---	120.0	121.0	119.9	---	95.4
19526	---	120.0	120.8	119.9	---	117.5
19527	---	120.0	121.0	121.9	---	126.2
19528	---	120.0	120.8	128.5	---	134.8
19529	---	120.0	141.4	147.1	---	154.9
19530	---	120.0	114.1	115.6	---	95.7
19531	---	120.0	110.7	111.4	---	111.3
19532	---	120.0	112.5	112.4	---	117.3
19533	---	120.0	125.7	122.8	---	127.5
19534	---	120.0	120.4	122.2	---	131.7
19535	---	120.0	114.4	110.8	---	117.0
19536	---	120.0	120.4	123.0	---	120.0
19537	---	120.0	120.4	123.0	---	120.0
19538	---	120.0	120.4	123.0	---	120.0
19539	---	120.0	120.4	123.0	---	120.0
19540	---	120.0	120.4	123.0	---	120.0
19541	---	120.0	120.4	123.0	---	120.0
19542	---	120.0	120.4	123.0	---	120.0
19543	---	120.0	120.4	123.0	---	120.0
19544	---	120.0	120.4	123.0	---	120.0
19545	---	120.0	120.4	123.0	---	120.0
19546	---	120.0	120.4	123.0	---	120.0
19547	---	120.0	120.4	123.0	---	120.0
19548	---	120.0	120.4	123.0	---	120.0
19549	---	120.0	120.4	123.0	---	120.0
MEAN	119.8	119.8	120.1	120.1	---	119.6
S.D.	12.8	12.8	12.6	13.1	---	14.7
N	49	49	49	49	---	49

^c Weights not taken due to breakdown of automatic weighing station.

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 10 MALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
19500	122.8	120.0	116.0	116.2	---	---	116.2	---	---	---
19501	---	---	---	---	---	---	---	---	---	---
19502	121.3	128.0	138.6	135.1	139.3	138.7	106.7	131.4	131.1	123.7
19503	128.1	117.0	116.1	114.4	113.5	111.7	114.8	117.1	---	---
19504	---	---	---	---	---	---	---	---	---	---
19505	100.4	106.1	108.5	105.3	104.3	102.5	103.3	104.0	98.2	107.8
19506	100.1	99.5	63.3	67.7	79.4	98.0	111.0	118.4	130.2	---
19507	140.1	137.1	---	---	---	---	---	---	---	---
19508	125.3	123.4	119.5	113.8	116.4	114.5	107.0	124.4	125.2	132.2
19509	119.9	118.9	117.6	117.1	115.2	116.4	121.9	125.2	135.9	125.6
19510	111.9	115.8	103.8	103.8	109.1	110.1	112.9	116.4	118.8	120.5
19511	107.5	110.7	103.0	96.1	96.7	101.0	112.2	105.8	110.0	119.1
19512	90.3	95.5	94.6	96.2	98.8	91.7	75.9	103.1	109.0	119.1
19513	124.5	128.4	---	---	---	---	---	---	---	104.8
19514	119.7	123.0	125.3	109.1	122.7	119.3	71.2	116.4	122.3	128.7
19515	121.0	116.7	110.4	102.3	106.2	93.4	73.3	83.1	---	---
19516	117.0	116.8	111.2	106.3	107.2	108.3	103.8	119.0	118.8	127.1
19517	128.4	127.2	127.5	119.6	117.1	105.5	103.5	121.4	119.5	126.8
19518	125.0	114.7	100.2	100.6	108.0	110.1	102.5	113.5	117.5	124.0
19519	104.8	114.7	104.9	104.3	102.4	105.0	107.2	107.8	113.8	118.3
19520	113.7	113.7	109.2	112.9	118.9	120.6	116.6	125.9	117.5	110.6
19521	103.6	103.4	92.9	89.6	88.3	94.7	57.9	104.5	114.0	120.0
19522	103.6	108.0	108.2	103.4	101.6	105.5	94.1	111.1	108.9	118.9
19523	115.7	119.9	119.3	120.7	121.8	121.3	83.4	116.8	121.2	125.2
19524	108.5	108.5	105.3	108.2	102.3	---	---	---	---	---
19525	131.1	12.5	131.5	131.1	135.4	136.4	133.0	137.1	139.8	120.9
19526	107.8	105.2	101.6	98.8	101.8	107.1	109.5	108.8	112.5	113.9
19527	113.9	112.2	102.1	104.2	104.3	108.2	74.4	114.4	120.8	104.3
19528	113.9	111.5	111.3	105.9	107.2	109.0	92.7	113.6	110.6	114.0
19529	131.9	131.0	127.7	131.9	135.0	130.6	98.4	129.4	132.1	127.5
19530	151.6	144.5	139.2	146.3	146.0	143.2	138.7	145.1	---	---
19531	107.7	108.3	78.1	146.3	---	---	---	---	---	---
19532	105.4	105.4	105.4	102.5	106.5	97.3	94.0	115.2	123.5	124.1
19533	112.8	113.8	105.4	119.8	128.5	120.0	113.6	117.1	14.1	146.6
19534	113.4	114.5	95.0	106.6	108.5	113.3	113.6	117.6	118.1	146.6
19535	109.2	112.7	118.8	124.6	124.4	123.8	123.9	130.5	130.4	133.3
19536	125.9	127.1	122.9	125.7	134.6	129.8	128.7	130.5	129.1	135.3
19537	131.8	130.9	119.9	125.4	137.9	132.9	108.7	137.5	141.2	141.1
19538	127.8	126.9	120.6	126.6	135.9	117.7	113.4	124.4	124.1	124.0
19539	162.5	156.7	120.2	152.2	181.2	85.3	123.4	103.9	102.9	106.3
19540	100.1	108.4	83.8	94.4	104.6	109.7	100.9	114.9	117.7	124.4
19541	111.1	108.8	86.4	95.4	119.8	---	---	---	---	---
19542	111.1	113.4	114.5	111.1	116.9	104.2	115.1	116.1	118.3	111.5
19543	127.3	134.0	124.9	130.1	116.0	123.5	124.3	130.5	137.1	143.4
19544	131.4	130.7	122.3	119.3	116.0	108.5	87.3	124.8	129.2	142.4
19545	131.5	132.4	101.4	116.4	121.9	116.0	123.0	129.5	134.4	133.6
19546	115.7	118.3	112.5	110.8	113.7	108.5	116.1	129.7	134.4	135.3
19547	109.2	113.1	107.0	94.1	93.1	99.6	114.2	99.7	---	---
19548	123.5	116.1	113.6	118.2	117.8	98.7	118.5	88.9	---	---
19549	---	---	---	---	---	---	---	---	---	---
MEAN	118.2	116.6	109.7	109.7	112.2	112.3	104.5	117.9	123.1	123.1
S.D.	13.1	12.8	15.4	16.0	14.9	13.7	19.2	13.0	10.3	10.4
N	47	48	45	44	43	41	41	40	35	35

GROUP 10 MALES

Note: Weights not available for Weeks 106 and 114 due to error.

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 11 MALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
17500	86.3	87.6	89.2	93.0	95.2	98.8	99.4	101.3	104.6	105.9
17501	88.7	90.1	94.1	101.4	103.4	110.3	113.0	117.3	118.2	125.7
17502	100.2	101.4	101.6	104.0	109.0	112.7	108.5	123.3	129.8	132.7
17503	96.5	97.9	92.1	97.6	100.7	103.0	109.2	111.3	104.7	107.1
17504	96.2	98.0	96.9	99.5	99.8	103.3	109.2	106.4	118.4	124.5
17505	87.5	88.8	94.5	111.1	104.3	119.2	112.0	123.3	127.9	132.7
17506	98.1	94.8	96.4	98.7	113.9	107.1	112.0	128.6	133.5	119.2
17507	93.5	96.6	96.4	109.1	108.4	113.3	119.9	128.6	131.5	126.5
17508	92.5	90.0	99.4	103.5	110.8	115.4	119.7	119.5	121.5	135.4
17509	92.4	90.0	99.5	102.6	101.2	102.9	105.7	101.6	102.6	108.4
17510	83.3	87.1	87.1	91.0	97.7	105.5	108.9	111.3	115.6	115.6
17511	91.7	89.7	92.2	95.6	98.4	91.6	94.4	100.7	102.4	105.3
17512	79.7	80.4	84.4	86.0	88.3	87.4	113.3	120.1	123.0	125.7
17513	104.5	103.4	99.5	106.7	103.2	91.0	118.7	107.3	110.0	111.0
17514	96.6	92.6	93.7	97.0	97.6	102.6	107.4	107.3	111.0	109.0
17515	89.4	90.1	93.0	96.8	99.1	84.4	93.2	94.0	95.8	98.3
17516	73.8	86.0	82.6	83.1	73.7	81.5	92.1	94.0	95.8	98.3
17517	86.1	80.2	79.4	89.8	88.3	102.1	104.9	115.5	119.7	125.8
17518	80.4	80.2	79.4	83.1	102.7	102.1	104.9	122.4	123.0	125.1
17519	96.4	94.8	95.7	101.9	101.8	111.7	114.5	122.4	123.0	125.1
17520	92.2	90.7	95.9	103.6	106.8	111.7	114.5	122.4	123.0	125.1
17521	94.8	90.7	95.7	103.6	106.8	111.7	114.5	122.4	123.0	125.1
17522	96.8	94.8	95.7	103.6	106.8	111.7	114.5	122.4	123.0	125.1
17523	98.5	96.4	95.7	103.6	106.8	111.7	114.5	122.4	123.0	125.1
17524	98.5	96.4	95.7	103.6	106.8	111.7	114.5	122.4	123.0	125.1
17525	81.1	83.6	87.0	90.2	93.2	98.4	101.9	103.1	105.3	108.8
17526	88.6	89.8	92.7	97.7	92.6	98.4	101.9	103.1	105.3	108.8
17527	88.6	89.8	92.7	97.7	92.6	98.4	101.9	103.1	105.3	108.8
17528	82.2	84.1	84.1	87.8	89.2	93.6	96.5	98.4	100.5	102.4
17529	97.3	97.3	97.3	100.2	103.1	106.4	109.4	107.7	124.9	129.6
17530	97.0	97.0	97.0	100.2	103.1	106.4	109.4	107.7	124.9	129.6
17531	88.4	87.2	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17532	88.4	87.2	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17533	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17534	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17535	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17536	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17537	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17538	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17539	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17540	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17541	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17542	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17543	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17544	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17545	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17546	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17547	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17548	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17549	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
17550	86.6	87.4	88.4	94.2	97.8	101.2	105.7	105.8	105.7	114.6
MEAN	91.7	92.0	93.7 ^a	97.3	100.0 ^a	102.9 ^a	107.4	109.8 ^b	112.1 ^a	113.9
S.D.	5.8	6.0	5.9	7.4	7.6	8.0	7.9	9.0	9.8	12.7
n	49	49	49	49	49	49	49	49	49	49

a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ORIGINAL NUMBER	GROUP 11 MALES									
	11 ^c	12	13	14	15 ^c	16	17	18	22	26
19500	---	91.9	80.4	73.5	---	99.0	101.9	101.2	105.1	103.5
19501	---	126.5	129.5	132.0	---	131.3	133.3	131.8	136.3	128.3
19502	---	133.7	137.4	142.0	---	143.7	146.3	148.6	152.4	150.3
19503	---	118.6	121.1	119.1	---	118.9	124.0	121.8	122.1	114.3
19504	---	104.7	103.6	103.0	---	110.3	110.2	110.0	115.3	117.3
19505	---	127.4	122.2	115.2	---	124.7	120.7	126.2	128.2	125.6
19507	---	137.8	135.1	144.9	---	146.2	147.2	152.0	139.4	135.3
19508	---	129.4	121.1	130.7	---	132.8	136.9	127.5	131.1	125.0
19509	---	122.8	112.1	120.9	---	127.4	128.3	102.7	125.9	107.0
19511	---	139.7	140.8	137.8	---	143.6	133.5	147.1	148.5	142.6
19512	---	106.8	111.8	100.7	---	126.1	123.0	131.7	133.5	120.6
19513	---	112.0	113.6	115.2	---	108.0	107.0	104.8	105.7	101.4
19514	---	104.3	106.0	105.8	---	108.8	108.1	112.4	107.7	106.4
19515	---	124.8	123.0	124.2	---	109.4	110.3	103.6	128.0	125.2
19516	---	119.3	121.8	121.9	---	124.1	126.3	122.8	138.0	124.6
19517	---	117.3	115.7	117.4	---	120.8	111.4	116.4	122.0	109.4
19518	---	114.1	113.1	115.6	---	115.7	116.4	116.4	120.1	121.2
19519	---	106.6	110.3	110.6	---	113.2	114.8	116.4	120.1	103.9
19520	---	98.1	98.2	98.6	---	99.1	99.4	100.6	99.4	103.9
19521	---	129.8	134.5	135.8	---	133.8	134.8	134.7	125.4	125.6
19522	---	120.8	123.1	125.8	---	136.6	137.5	137.7	125.4	128.7
19523	---	132.5	134.5	133.8	---	135.7	137.5	133.4	121.4	108.9
19524	---	123.6	124.1	128.8	---	126.6	127.1	130.3	121.4	120.3
19525	---	109.4	109.1	110.9	---	108.1	87.2	88.0	119.6	105.4
19526	---	121.0	122.2	106.4	---	101.6	101.1	101.3	101.2	101.9
19527	---	107.9	112.4	111.9	---	108.5	93.4	102.2	112.7	110.1
19528	---	105.5	106.6	99.5	---	125.9	100.3	98.1	101.2	101.4
19529	---	99.6	97.6	123.3	---	132.3	137.4	135.7	130.2	138.0
19530	---	131.7	133.6	130.3	---	134.5	130.1	134.4	130.4	135.5
19531	---	105.7	106.6	109.0	---	104.5	106.4	106.5	107.4	105.2
19532	---	130.8	135.8	136.2	---	134.5	139.1	137.6	136.5	124.8
19533	---	128.5	139.4	130.9	---	142.4	141.8	142.8	145.8	148.6
19534	---	110.9	112.6	115.7	---	113.3	113.8	111.9	105.6	102.6
19535	---	122.7	122.4	128.4	---	130.9	130.9	132.0	137.8	101.4
19536	---	95.9	101.6	104.2	---	98.1	95.0	98.1	87.4	91.7
19537	---	98.6	98.8	99.5	---	115.5	117.5	118.5	94.0	102.7
19538	---	92.9	99.3	104.4	---	134.2	138.4	134.8	122.0	126.6
19539	---	133.3	138.0	135.6	---	101.6	131.8	103.1	119.8	112.7
19540	---	102.9	103.5	104.5	---	115.7	115.8	114.5	105.4	106.0
19541	---	112.7	113.5	116.8	---	105.5	114.4	113.9	124.7	123.9
19542	---	106.3	110.1	110.1	---	105.5	117.4	111.0	115.2	113.5
19543	---	110.1	111.8	111.9	---	124.4	127.3	114.6	111.7	104.8
19544	---	117.4	116.3	117.8	---	121.4	133.7	129.0	108.3	120.0
19545	---	106.2	107.1	110.8	---	111.4	115.7	127.2	125.8	94.2
19546	---	82.7	88.0	87.8	---	80.4	88.4	92.2	93.5	93.5
19547	---	122.7	122.7	126.5	---	127.5	127.6	127.1	133.7	135.7
19548	---	109.2	118.1	118.2	---	123.2	126.9	124.5	123.4	121.0
19549	---	109.5	113.1	114.5	---	123.5	127.8	129.7	133.1	133.8
MEAN		115.3	116.0 ^a	116.7		118.5	119.1	119.5	118.3	117.3
S.D.		13.2	15.2	18.1		14.6	15.7	16.5	16.0	13.3
N		49	49	49		49	49	49	49	49

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 11 MALES									
	30	34	38	42	46	50	54	58	62	66
17600	99.6	95.2	90.8	102.8	105.5	86.7	131.7	133.4	134.8	135.3
17601	107.3	124.5	126.8	129.2	134.3	133.6	126.6	138.5	136.3	141.5
17602	145.7	134.3	103.8	111.2	114.4	---	---	---	---	---
17603	---	---	---	---	---	---	---	---	---	---
17604	---	---	---	---	---	---	---	---	---	---
17605	113.4	111.7	92.3	103.7	107.4	92.2	74.0	98.6	111.8	125.9
17607	138.7	136.0	129.6	130.0	131.9	129.8	131.8	128.7	130.9	132.9
17608	121.8	109.3	109.3	117.5	110.1	116.4	117.1	118.9	128.8	132.6
17609	90.4	95.0	96.1	102.3	104.1	109.6	114.7	113.6	115.5	124.9
17610	111.0	123.2	121.5	124.8	124.2	124.8	129.2	127.2	135.9	135.7
17611	142.6	148.8	143.6	142.2	136.2	137.8	134.5	134.9	140.3	145.7
17612	115.8	115.1	108.0	103.6	108.5	110.3	109.6	84.9	92.6	112.5
17613	107.8	106.9	103.4	101.3	101.3	104.5	100.1	104.7	112.0	118.4
17614	109.2	80.1	87.1	100.2	89.2	98.8	101.0	106.2	84.9	104.0
17615	---	---	---	---	---	---	---	---	---	---
17617	92.8	110.7	84.8	104.2	113.8	111.4	101.1	116.6	123.5	128.4
17619	117.2	105.1	87.7	103.7	93.4	105.2	107.6	112.3	116.2	115.8
17618	118.5	112.7	115.0	107.7	113.8	105.1	118.2	121.1	123.0	113.8
17619	112.1	113.5	86.6	99.4	107.5	110.5	114.1	119.8	120.5	---
17620	103.7	104.2	100.4	98.1	98.5	99.8	---	---	---	---
17621	126.7	123.9	103.3	117.5	107.7	125.0	---	128.9	131.4	133.1
17622	126.2	113.4	89.6	113.4	118.8	115.7	103.0	123.0	123.0	126.9
17623	106.0	106.3	112.7	111.5	116.3	120.3	123.7	119.5	---	---
17624	117.2	116.4	108.1	114.6	122.6	95.0	83.4	---	---	---
17625	102.0	102.2	95.4	96.7	93.9	---	---	---	---	---
17626	101.6	105.6	107.3	111.4	65.4	---	---	---	---	---
17627	110.5	116.4	74.0	100.3	108.5	111.1	108.4	112.3	118.1	123.0
17628	99.7	101.2	99.5	92.2	92.2	96.4	84.2	101.0	111.2	116.4
17629	116.7	115.9	80.1	97.1	100.5	111.5	105.5	116.8	126.0	125.5
17630	119.4	123.3	---	---	---	---	---	---	---	---
17631	106.5	106.0	98.8	92.9	99.0	105.9	102.4	109.4	108.3	109.7
17632	119.4	112.7	98.8	107.8	108.0	104.9	102.4	102.0	104.4	---
17633	144.2	143.6	139.6	133.1	137.4	140.8	143.8	154.9	154.1	158.4
17634	108.2	109.3	102.3	108.2	104.9	101.9	103.3	109.9	108.4	104.0
17635	123.6	126.8	127.2	108.8	119.4	103.2	95.8	123.0	129.4	135.9
17637	68.6	75.9	76.8	86.2	96.1	98.3	100.7	113.6	113.7	110.9
17639	107.3	105.0	109.5	105.9	108.7	111.4	104.0	114.2	115.6	120.8
17636	127.8	119.0	109.3	108.7	117.0	122.6	114.0	107.0	99.2	115.3
17639	105.1	110.5	87.7	102.6	94.6	93.1	72.2	108.4	120.8	124.3
17640	108.8	108.3	92.3	104.3	99.1	87.4	85.8	100.2	104.7	110.8
17641	118.1	118.5	91.7	98.8	107.3	112.7	117.9	119.2	91.6	---
17642	115.4	118.2	119.1	118.6	117.6	117.4	117.9	---	---	---
17643	109.7	108.4	99.1	103.6	106.5	104.2	112.5	114.3	114.6	119.7
17644	103.4	107.5	97.4	98.4	94.1	101.7	105.7	120.5	82.3	101.1
17645	123.1	122.5	107.2	112.3	116.7	117.6	117.8	124.7	124.0	124.7
17646	95.3	93.6	93.0	95.7	96.7	98.4	129.0	100.2	91.1	104.1
17647	138.0	130.3	116.1	124.6	118.0	122.4	129.0	128.6	121.6	121.6
17648	114.2	104.7	91.8	91.8	93.5	67.7	112.0	103.0	112.0	---
17649	127.7	128.0	123.7	117.1	123.3	126.9	129.9	131.1	131.4	125.4
MEAN	114.6	114.0	103.4	107.7	108.4	110.5	108.7	116.3	116.8	121.1
S.D.	13.1	13.0	15.9	12.8	13.8	13.2	17.8	12.0	15.7	12.3
N	46	46	45	45	45	43	41	39	38	33

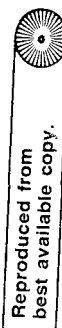
b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3A (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 11 MALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102	111
17600	123.0	140.1	139.5	135.1	134.2	159.9				
17601	141.7	143.6	144.2	131.5	126.1	116.4	103.3			
17602										
17603										
17604	120.3	129.3	135.8	119.9	109.6					
17605	134.2	134.7	134.2	133.6	135.9	130.1	135.4			
17606	128.3	127.6	125.6	126.5	128.9	120.8	125.1	119.7	118.5	128.2
17607	118.9	125.4	127.9	124.5	123.0	120.2	119.4	104.4	104.4	106.4
17608										
17609										
17610										
17611	118.1	121.5	121.3	118.7	118.8	118.4	117.7			
17612	116.2	110.5	117.1	113.9	112.8	108.1	107.4	108.3	113.8	
17613	110.2	109.7	117.7							
17614										
17615										
17616	128.5	132.2	132.6	131.8	130.8	122.3	124.4	124.6	126.8	
17617	115.3	124.4	121.7	114.5	114.8	87.7				
17618	125.8	128.2	103.4	116.2	122.0	119.5	121.4	99.8	102.6	
17619										
17620										
17621										
17622	124.7	137.5	131.0	134.5	133.0	142.4				
17623	132.5	121.3	131.2	131.2	128.7	104.4	109.7	110.2	102.8	113.2
17624										
17625										
17626										
17627	121.5	132.7								
17628	169.4	116.3	115.0	105.0	103.4	86.7				
17629	135.5	143.1	130.1	104.3						
17630										
17631	84.4									
17632										
17633	164.5	150.9	159.3	156.2	157.9	129.0	133.2			
17634	111.9	103.4								
17635	126.8	135.0	135.3	126.7	125.9	109.5	120.1	124.8	121.7	129.0
17636	111.9	115.0	114.6	116.0	114.4	110.1	115.1	113.0	113.7	111.4
17637	123.1	104.0	93.4	106.0	81.6	91.1	89.0	89.5	91.3	
17638										
17639	123.5	128.3	125.2	122.7	124.4	123.8				
17640	116.2	116.2	101.3	164.3	96.6	61.1	88.1	76.4	82.9	
17641										
17642										
17643	125.7	129.0	125.2	120.5	116.9	105.4	106.7	102.8	105.6	112.6
17644	115.0	112.8	87.5							
17645	128.9	123.0	125.7	125.2	122.0	112.6	98.8	108.9	98.9	
17646	105.2	105.8	105.6	105.3	104.7	105.8	79.1			
17647	125.5	125.5	123.5	129.3	126.4	112.5	125.8	124.0	120.3	
17648										
17649	128.5	116.5	123.0	120.8	116.4	111.2	108.4			
MEAN	122.9	125.0	122.2	121.9	120.3	114.0	112.0	108.2	107.9	116.8
S.D.	13.4	12.1	16.6	12.4	14.8	16.9	16.3	14.2	12.7	9.5
N	31	20	28	26	25	24	19	15	13	6

Note: Weights not available for Weeks 106 and 114 due to error



APPENDIX 3B (Cont Inued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 1 FEMALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
18559	85.5	89.8	92.3	105.0	120.0	120.1	128.1	107.9	103.0	105.7
18561	97.7	105.3	110.7	112.3	129.0	127.1	132.7	134.3	141.8	141.8
18563	70.3	100.9	102.7	104.0	106.8	110.7	112.8	118.3	121.3	123.4
18565	80.3	89.1	92.8	94.4	94.2	96.9	101.9	107.7	108.3	106.8
18566	91.9	103.8	107.1	113.6	119.0	120.5	126.0	132.8	135.5	137.8
18567	96.1	100.4	107.8	114.4	122.5	129.1	136.1	141.1	140.1	146.4
18568	93.4	103.1	103.5	118.6	116.4	124.1	130.7	135.9	135.5	145.4
18569	103.1	105.3	110.7	109.8	112.4	118.8	138.1	142.1	140.1	151.1
18570	103.7	102.6	110.7	111.9	119.8	129.1	138.8	143.7	147.1	151.1
18571	107.1	109.1	113.7	123.3	127.0	131.8	135.8	140.6	141.5	151.1
18572	101.1	97.0	101.1	111.4	115.3	125.2	127.9	140.0	141.5	151.1
18573	108.4	112.7	109.0	116.7	127.8	141.1	149.0	152.5	153.0	159.8
18574	94.3	101.7	103.8	113.4	117.0	119.2	123.1	123.3	123.0	133.8
18575	95.6	102.9	107.7	115.1	127.0	111.6	123.1	118.3	116.1	140.4
18576	92.7	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18577	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18578	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18579	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18580	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18581	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18582	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18583	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18584	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18585	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18586	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18587	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18588	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18589	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18590	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18591	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18592	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18593	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18594	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18595	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18596	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18597	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18598	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18599	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18600	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18601	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18602	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18603	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18604	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18605	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18606	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18607	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18608	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18609	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18610	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18611	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18612	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18613	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18614	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18615	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18616	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18617	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18618	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18619	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18620	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18621	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18622	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18623	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18624	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18625	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18626	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18627	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18628	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18629	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18630	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18631	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18632	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18633	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18634	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18635	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18636	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18637	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18638	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18639	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18640	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18641	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18642	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18643	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18644	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18645	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18646	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18647	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18648	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18649	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18650	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18651	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18652	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18653	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18654	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18655	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18656	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18657	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18658	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18659	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18660	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18661	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18662	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18663	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18664	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18665	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18666	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18667	92.2	95.4	102.7	107.6	109.3	112.9	115.4	117.1	123.1	130.4
18668	92.2	95.4	102.7							

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 1 FEMALES									
	11	12	13	14	15	16	17	18	22	26
18550	110.2	109.5	111.2	112.2	111.8	125.2	125.2	110.2	111.8	108.2
18631	114.7	143.7	142.0	151.9	149.8	145.9	154.0	152.0	119.3	150.3
18652	141.8	139.0	142.5	140.2	140.3	139.0	138.0	141.3	115.8	141.2
18653	126.8	127.8	124.7	127.1	124.2	124.4	117.8	124.5	122.9	122.0
18654	107.9	108.7	92.5	101.8	105.0	103.8	105.0	107.4	116.3	104.8
18655	128.9	130.4	133.1	132.7	128.6	130.3	128.0	123.2	111.0	105.0
18656	127.8	125.8	128.5	127.1	127.7	126.8	127.2	120.1	112.8	117.4
18657	149.1	155.0	156.1	152.0	157.6	156.8	154.8	161.0	119.1	155.5
18658	136.1	135.0	138.4	152.2	161.8	161.7	157.4	163.2	114.1	141.8
18659	153.5	157.3	160.8	142.0	157.4	157.9	158.6	160.7	110.7	147.6
18660	125.9	129.8	127.6	132.0	132.8	130.9	136.7	139.6	110.7	127.7
18661	147.9	151.4	152.8	155.3	152.1	151.1	148.0	147.9	118.7	139.0
18662	164.6	156.9	157.2	155.3	153.5	152.7	152.0	147.5	118.0	131.0
18663	157.2	135.7	143.1	153.9	153.5	150.6	151.0	147.3	127.7	130.1
18664	140.3	133.0	144.5	143.2	147.6	144.8	140.7	150.5	124.5	144.6
18665	118.8	105.5	143.1	123.8	127.2	122.5	126.3	128.1	122.5	126.5
18666	127.3	122.8	131.8	129.1	131.9	129.3	127.0	135.4	123.3	137.0
18667	141.3	146.3	149.9	151.6	155.1	151.2	153.7	135.2	133.4	132.5
18668	149.6	151.0	149.4	148.7	146.4	146.5	147.2	144.1	141.8	132.5
18669	122.1	122.1	122.7	128.6	125.5	126.9	126.7	141.6	120.4	134.0
18670	115.6	114.4	119.1	117.7	116.8	115.5	116.2	131.6	121.0	120.1
18671	125.0	128.8	118.0	131.1	141.1	138.4	125.8	115.9	120.4	120.1
18672	130.0	130.7	137.6	142.5	142.5	140.1	129.8	139.1	120.5	115.4
18673	125.4	137.6	135.3	143.5	142.1	140.7	138.8	133.0	127.1	130.6
18674	135.0	130.5	139.9	142.7	144.2	141.2	141.9	138.3	120.1	127.0
18675	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18676	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18677	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18678	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18679	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18680	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18681	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18682	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18683	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18684	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18685	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18686	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18687	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18688	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18689	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18690	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18691	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18692	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18693	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18694	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18695	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18696	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18697	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18698	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18699	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18700	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18701	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18702	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18703	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18704	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18705	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18706	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18707	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18708	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18709	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18710	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18711	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18712	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18713	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18714	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18715	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18716	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18717	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18718	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18719	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18720	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18721	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18722	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18723	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18724	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18725	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18726	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18727	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18728	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18729	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18730	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18731	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18732	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18733	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18734	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18735	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18736	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18737	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18738	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18739	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18740	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18741	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18742	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18743	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18744	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18745	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18746	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18747	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18748	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18749	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18750	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18751	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18752	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5
18753	129.7	129.3	134.1	138.7	144.1	141.2	128.4	143.2	120.4	128.5

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 1 FEMALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
18559	104.0	107.9	114.1	113.9	111.6	110.8	111.0	100.2	114.5	118.0
18560	105.5	124.8	125.4	111.5	111.5	103.2	87.1	125.6	133.7	133.7
18561	113.2	143.2	137.3	139.4	142.9	124.4	101.0	100.0	134.5	113.7
18562	114.5	118.6	112.4	107.5	87.5	101.7	102.8	121.4	115.0	121.4
18563	105.2	103.8	103.4	115.8	117.8	117.4	115.7	120.4	122.8	101.1
18564	105.3	100.4	107.6	121.7	115.4	115.4	112.5	113.8	118.5	120.9
18565	142.3	124.1	119.3	110.8	119.2	114.9	115.7	124.8	139.4	106.7
18566	130.3	135.2	141.6	139.0	135.0	139.1	110.0	117.9	137.4	123.7
18567	139.4	132.7	135.0	134.4	145.3	146.7	111.3	115.5	118.6	120.6
18568	146.1	136.9	132.7	147.1	136.3	132.9	118.1	124.5	135.4	129.2
18569	124.7	121.9	118.2	120.7	120.0	120.4	112.3	118.0	120.7	132.9
18570	103.4	101.4	106.9	123.4	120.4	103.0	115.1	125.0	134.9	82.3
18571	130.1	125.9	127.0	132.7	114.7	115.8	110.7	110.6	110.8	114.9
18572	120.1	122.9	126.1	123.5	108.1	106.6	108.1	127.2	108.3	134.3
18573	129.7	114.2	113.7	107.9	110.6	121.5	119.4	121.2	128.3	134.3
18574	122.7	128.1	119.2	124.7	110.6	121.5	119.4	127.2	128.3	134.3
18575	126.1	115.1	96.9	119.9	110.6	121.5	119.4	127.2	128.3	134.3
18576	131.6	127.7	119.5	111.9	89.5	74.4	95.8	114.3	118.8	123.1
18577	95.8	123.1	119.5	111.9	113.3	119.9	93.6	106.2	118.8	123.1
18578	106.1	108.2	105.2	95.9	93.4	89.6	113.7	112.2	118.8	123.1
18579	116.4	102.0	105.2	111.0	103.7	112.0	130.5	128.4	118.8	123.1
18580	141.0	128.7	131.0	125.7	112.7	97.1	92.0	104.4	115.5	114.9
18581	121.0	109.2	109.8	105.0	105.0	109.7	122.8	125.3	102.2	108.2
18582	132.4	108.5	125.6	123.8	123.1	108.5	103.4	105.5	128.0	135.7
18583	111.6	111.6	107.8	114.1	109.8	111.3	115.1	126.7	131.1	113.1
18584	121.5	125.0	126.7	117.4	117.4	100.9	118.1	112.6	131.1	113.1
18585	137.1	119.3	119.3	113.9	121.9	123.6	123.9	84.6	131.1	113.1
18586	122.2	122.6	119.1	123.1	108.4	104.2	99.5	91.9	107.4	112.6
18587	120.4	132.6	124.7	116.8	107.7	90.0	99.7	91.9	107.4	112.6
18588	100.8	100.8	103.3	101.1	87.7	104.2	104.2	104.2	104.2	104.2
18589	139.2	175.8	172.3	139.4	173.4	131.0	174.4	172.8	184.6	184.6
18590	110.1	103.3	109.8	107.3	102.1	98.0	104.4	103.8	111.1	114.8
18591	116.9	103.3	101.0	107.3	104.3	105.2	105.2	103.8	115.9	120.4
18592	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18593	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18594	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18595	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18596	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18597	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18598	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18599	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18600	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18601	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18602	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18603	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18604	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18605	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18606	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18607	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18608	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18609	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18610	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18611	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18612	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18613	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18614	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18615	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18616	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18617	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18618	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18619	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18620	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18621	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18622	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18623	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18624	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18625	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18626	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18627	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18628	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18629	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18630	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18631	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18632	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18633	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18634	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18635	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18636	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18637	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18638	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18639	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18640	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18641	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18642	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18643	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18644	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18645	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18646	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18647	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18648	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18649	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18650	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18651	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18652	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18653	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18654	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18655	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18656	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18657	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18658	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18659	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18660	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18661	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18662	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116.5	118.9	120.4
18663	117.2	107.2	106.2	107.7	110.5	104.2	104.2	116		

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 1 FEMALES									
	70	74	78	82	85	90	94	98	102	
18550	108.0	115.9	111.8	---	---	---	---	---	---	
18551	---	---	---	---	---	---	---	---	---	
18552	144.1	148.1	119.5	---	---	---	---	---	---	
18553	112.5	107.2	---	---	---	---	---	---	---	
18554	---	---	---	---	---	---	---	---	---	
18555	131.0	78.9	---	---	---	---	---	---	---	
18556	95.2	88.7	91.0	100.0	107.8	---	---	---	---	
18557	119.7	118.8	114.1	107.8	---	---	---	---	---	
18558	---	---	---	---	---	---	---	---	---	
18559	105.5	---	---	---	---	---	---	---	---	
18560	117.2	104.8	---	---	---	---	---	---	---	
18561	112.0	114.9	108.7	103.7	100.5	93.6	---	---	---	
18562	131.1	131.0	130.1	133.9	92.0	---	---	---	---	
18563	---	---	---	---	---	---	---	---	---	
18564	129.4	133.4	131.8	135.2	120.8	---	---	---	---	
18565	---	---	---	---	---	---	---	---	---	
18566	117.6	122.5	111.8	109.1	108.8	109.4	117.2	---	---	
18567	127.3	122.9	68.5	---	---	---	---	---	---	
18568	---	---	---	---	---	---	---	---	---	
18569	---	---	---	---	---	---	---	---	---	
18570	---	128.6	---	---	---	---	---	---	---	
18571	131.5	---	---	---	---	---	---	---	---	
18572	---	---	---	---	---	---	---	---	---	
18573	119.2	116.6	108.6	114.9	108.9	106.0	116.5	105.6	104.6	
18574	---	---	---	---	---	---	---	---	---	
18575	---	---	---	---	---	---	---	---	---	
18576	119.2	123.1	---	---	---	---	---	---	---	
18577	104.3	105.4	106.7	---	---	---	---	---	---	
18578	135.7	100.2	98.0	---	---	---	---	---	---	
18579	120.3	117.3	---	---	---	---	---	---	---	
18580	---	---	---	---	---	---	---	---	---	
18581	---	---	---	---	---	---	---	---	---	
18582	107.4	98.1	110.4	109.1	107.5	102.7	66.6	---	---	
18583	120.6	---	---	---	---	---	---	---	---	
18584	---	---	---	---	---	---	---	---	---	
18585	---	---	---	---	---	---	---	---	---	
18586	108.8	109.4	114.2	113.9	114.0	---	---	---	---	
18587	119.9	122.5	---	---	---	---	---	---	---	
18588	110.1	---	---	---	---	---	---	---	---	
18589	---	---	---	---	---	---	---	---	---	
18590	---	---	---	---	---	---	---	---	---	
18591	137.3	---	---	---	---	---	---	---	---	
18592	124.5	130.0	127.7	121.5	125.3	122.7	129.5	115.0	127.9	
18593	118.5	117.9	---	---	---	---	---	---	---	
18594	122.6	---	---	---	---	---	---	---	---	
18595	---	---	---	---	---	---	---	---	---	
18596	---	---	---	---	---	---	---	---	---	
18597	105.4	106.9	109.4	110.8	108.8	106.7	---	---	---	
18598	111.4	109.6	108.7	91.2	---	---	---	---	---	
18599	113.5	113.9	---	---	---	---	---	---	---	
MEAN	118.8	114.9	110.1	112.6	109.4	106.9	107.5	110.7	116.3	
S.D.	10.8	14.5	14.9	12.8	9.4	9.5	27.9	7.2	16.5	
N	31	26	17	12	10	6	4	2	2	

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 2 FEMALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
18750	82.0	91.8	74.6	71.9	71.0	86.5	97.1	89.1	105.0	102.9
18751	87.3	92.1	73.1	97.7	106.0	100.4	117.8	117.0	107.3	126.4
18752	88.0	90.3	93.0	96.4	113.1	121.9	109.1	133.0	107.3	106.1
18753	88.8	88.8	102.6	111.2	113.1	121.9	129.7	133.0	137.9	135.7
18754	88.8	88.8	90.5	94.2	94.5	100.9	104.3	104.0	93.3	88.3
18755	102.3	104.8	110.0	103.4	110.0	120.9	104.4	131.1	136.1	129.3
18756	91.1	96.1	103.2	116.3	105.6	103.4	117.3	122.8	119.4	119.1
18757	93.1	94.8	100.1	106.4	106.4	107.9	113.7	110.6	107.4	108.4
18758	103.1	103.8	103.6	103.8	107.6	115.2	120.4	120.3	126.0	129.9
18759	67.6	89.7	91.1	108.1	112.2	115.1	103.8	106.7	121.3	121.1
18760	89.5	90.5	93.2	101.7	94.2	101.3	103.8	120.3	110.5	114.5
18761	89.5	90.5	93.2	101.7	105.0	107.1	103.8	118.2	119.4	119.1
18762	101.4	91.3	103.3	100.8	109.6	115.9	124.5	125.1	125.1	123.7
18763	91.5	91.3	97.5	104.0	104.0	106.2	107.9	110.7	109.5	115.3
18764	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18765	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18766	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18767	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18768	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18769	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18770	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18771	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18772	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18773	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18774	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18775	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18776	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18777	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18778	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18779	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18780	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18781	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18782	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18783	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18784	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18785	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18786	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18787	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18788	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18789	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18790	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18791	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18792	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18793	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18794	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18795	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18796	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18797	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18798	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
18799	82.4	88.9	92.5	94.5	97.5	106.5	106.3	116.7	116.3	117.8
MEAN	92.8	95.7	97.8	102.8	105.6 ^a	108.9	114.7 ^a	117.5 ^a	120.3	121.8 ^a
S.D.	7.2	7.3	8.3	9.3	10.1	10.7	9.7	10.8	11.0	11.6
N	50	50	50	50	50	50	50	50	50	50

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 2 FEMALES

ANIMAL NUMBER	11	12	13	14	15	16	17	18	22	26
18750	104.6	105.4	110.8	112.3	114.7	113.6	112.2	113.1	124.0	116.4
18751	134.4	137.5	116.5	122.5	126.3	132.9	135.7	137.3	122.3	117.9
18752	109.8	111.8	118.3	112.5	113.6	114.9	112.8	116.0	134.1	135.2
18753	137.6	137.3	138.3	137.5	136.6	134.8	135.9	133.3	114.0	109.9
18754	101.1	101.1	109.0	112.4	113.5	112.2	112.3	115.9	114.8	110.7
18755	116.0	122.3	122.6	120.3	120.4	119.4	115.9	115.6	137.0	134.7
18756	129.4	136.9	133.8	141.7	139.7	139.9	141.8	144.4	143.0	148.2
18757	129.0	136.1	135.9	141.7	139.7	139.9	141.8	144.4	143.0	148.2
18758	108.4	116.2	115.9	113.2	112.7	111.8	108.8	111.5	119.1	115.5
18759	123.2	123.1	125.2	129.9	127.2	125.0	127.7	125.7	129.4	127.9
18760	115.0	117.4	118.9	116.9	116.9	115.0	114.3	115.5	117.3	117.3
18761	117.4	117.4	118.9	116.9	116.9	115.0	114.3	115.5	117.3	117.3
18762	119.4	126.6	130.6	124.1	120.2	123.5	122.3	124.1	136.8	131.2
18763	130.7	126.6	127.9	123.3	126.6	113.6	124.1	131.9	124.1	128.4
18764	126.3	126.7	127.9	123.3	126.6	113.6	124.1	131.9	124.1	128.4
18765	116.2	120.9	127.9	123.3	126.6	113.6	124.1	131.9	124.1	128.4
18766	117.9	116.0	118.6	121.8	121.0	119.6	124.1	131.9	124.1	128.4
18767	124.0	122.7	123.8	122.0	123.7	119.3	114.3	110.1	112.0	92.3
18768	124.6	125.6	123.8	122.0	123.7	119.3	114.3	110.1	112.0	123.8
18769	109.5	90.1	105.5	155.3	155.1	153.8	155.7	153.2	144.2	135.1
18770	147.0	151.4	128.5	130.6	127.4	128.8	123.8	124.3	127.5	125.0
18771	133.9	127.3	123.6	130.6	126.4	136.5	123.8	124.3	127.5	136.8
18772	122.3	126.9	138.4	137.6	140.6	138.3	141.9	145.5	145.5	145.9
18773	128.9	134.0	139.7	137.6	137.7	138.3	141.9	145.5	145.5	145.9
18774	123.1	131.1	120.1	130.4	122.4	123.4	125.5	125.4	125.4	130.6
18775	123.1	131.1	120.1	130.4	122.4	123.4	125.5	125.4	125.4	130.6
18776	123.1	131.1	120.1	130.4	122.4	123.4	125.5	125.4	125.4	130.6
18777	123.1	131.1	120.1	130.4	122.4	123.4	125.5	125.4	125.4	130.6
18778	104.2	109.5	106.8	106.3	107.2	104.3	105.2	108.0	112.5	104.8
18779	110.7	107.1	110.8	112.7	112.5	116.6	114.6	117.1	130.3	108.1
18780	128.3	129.4	137.1	138.3	140.2	142.5	145.0	149.9	130.3	126.1
18781	106.2	104.4	107.2	110.1	111.9	118.8	118.8	118.8	130.3	104.3
18782	145.6	148.6	150.5	148.6	149.0	148.9	148.2	146.2	135.2	141.2
18783	123.5	122.5	126.8	127.9	123.2	122.8	123.1	120.7	128.0	115.8
18784	118.6	117.9	120.2	121.3	123.9	121.3	121.1	148.1	148.1	141.0
18785	130.6	127.3	129.2	131.8	140.1	131.1	138.6	141.1	128.0	123.3
18786	118.5	120.4	122.8	122.7	115.0	111.2	109.9	109.5	124.2	98.2
18787	136.2	113.2	133.5	115.2	126.3	125.6	126.8	124.7	97.8	120.7
18788	109.6	117.7	115.4	109.5	108.8	107.9	108.0	106.9	106.2	107.5
18789	145.3	150.6	152.5	150.9	150.2	144.2	129.2	141.8	143.1	108.4
18790	118.4	118.9	121.8	113.3	97.6	113.1	113.3	117.9	117.6	111.5
18791	123.2	124.3	131.5	129.9	128.9	130.4	128.4	129.4	120.9	115.8
18792	123.2	124.3	131.5	129.9	128.9	130.4	128.4	129.4	120.9	115.8
18793	123.2	124.3	131.5	129.9	128.9	130.4	128.4	129.4	120.9	115.8
18794	123.2	124.3	131.5	129.9	128.9	130.4	128.4	129.4	120.9	115.8
18795	115.4	116.4	110.7	110.1	111.6	113.6	115.3	116.8	102.8	102.7
18796	118.9	119.5	119.6	116.4	113.3	113.6	109.0	109.8	102.8	102.7
18797	127.9	123.4	129.0	126.9	126.9	124.3	126.7	126.0	126.0	126.9
18798	108.2	116.8	105.7	106.0	103.1	102.1	102.3	102.4	106.1	107.7
18799	119.2	119.2	123.3	123.8	129.1	130.6	132.8	134.8	134.7	129.7
MEAN	122.1 ^a	122.4	124.4	124.4	124.9	124.0	123.7	123.7	122.0	119.2
S.D.	11.5	12.7	12.4	12.1	12.5	11.8	13.1	13.0	18.1	12.7
N	50	50	50	50	50	50	50	50	49	48

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 2 FEMALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
18750	116.7	113.3	109.1	108.0	103.9	109.6	84.7	108.0	118.4	---
18751	104.4	105.6	105.9	109.0	110.4	111.5	116.9	120.6	130.7	121.6
18752	127.9	125.7	110.5	114.2	118.7	117.7	127.3	133.7	---	---
18753	177.9	101.8	95.1	96.0	101.9	102.2	98.3	98.9	103.9	109.4
18754	111.3	96.2	81.4	84.9	96.2	98.2	130.4	121.8	120.8	136.3
18755	125.3	114.5	117.2	128.4	131.1	128.9	115.2	125.8	122.5	122.8
18756	132.4	120.3	113.9	104.5	100.0	105.9	85.7	84.4	84.1	80.6
18757	113.5	112.2	106.9	106.8	104.6	100.2	---	---	---	---
18758	121.2	97.1	106.1	110.6	103.8	104.2	---	---	---	---
18759	122.9	74.7	---	---	---	---	---	---	---	---
18760	109.7	107.6	105.3	101.4	103.4	97.7	104.3	104.3	110.6	113.5
18761	113.8	118.6	95.7	103.1	104.5	99.7	109.6	110.3	104.4	113.2
18762	113.8	89.1	80.1	89.3	96.9	101.2	108.2	112.3	118.5	124.1
18763	92.2	103.7	101.6	104.5	106.5	99.8	101.9	104.7	104.7	109.5
18764	103.7	98.1	118.3	110.5	113.2	---	---	---	---	---
18765	132.8	126.4	118.9	117.8	122.4	117.1	117.1	126.6	127.3	120.3
18766	115.7	116.9	114.3	104.6	108.8	107.1	111.5	110.8	103.1	106.7
18767	138.4	110.5	105.8	121.9	122.7	122.0	120.6	128.2	131.9	133.7
18768	98.9	132.7	131.9	107.5	103.2	110.5	124.7	126.3	105.0	---
18769	126.4	135.3	116.9	116.0	114.9	123.5	120.0	95.6	106.5	115.8
18770	128.8	137.2	131.9	123.7	116.6	123.5	129.2	130.7	133.1	127.5
18771	132.4	137.2	124.4	121.4	120.6	112.0	129.2	104.4	101.1	87.0
18772	115.2	131.2	108.1	113.8	110.8	112.3	112.0	---	---	---
18773	132.8	133.5	124.6	113.8	118.3	78.3	---	---	---	---
18774	140.1	132.8	123.9	119.0	114.7	114.3	114.3	117.6	120.1	121.5
18775	122.7	132.8	125.9	115.4	108.9	105.9	104.2	105.8	102.3	103.3
18776	195.2	117.9	105.0	112.7	98.4	105.9	102.7	89.9	100.7	106.9
18777	107.0	106.1	113.0	93.7	98.0	100.3	84.1	71.7	---	---
18778	110.7	105.3	104.6	103.9	98.0	100.3	109.3	103.1	105.2	101.9
18779	108.0	107.4	104.1	101.8	109.3	109.0	110.8	104.0	108.8	109.8
18780	127.2	117.4	104.1	101.5	102.1	101.6	102.1	---	---	---
18781	110.7	105.5	97.2	138.7	139.7	---	---	---	---	---
18782	137.3	133.0	113.8	138.7	139.7	---	---	---	---	---
18783	119.4	122.5	109.2	110.4	115.0	113.2	113.5	93.7	91.4	97.0
18784	125.2	114.9	119.2	114.8	122.3	104.0	118.4	122.6	132.0	131.2
18785	117.1	111.0	110.1	124.4	70.5	---	---	---	---	---
18786	111.0	94.4	90.1	89.2	94.4	97.2	101.0	90.8	88.2	90.3
18787	126.8	135.0	125.2	111.3	119.2	72.8	---	---	---	---
18788	100.3	98.9	102.3	106.1	106.7	108.7	105.0	93.6	110.6	117.0
18789	107.3	107.0	110.7	102.5	96.9	---	---	---	---	---
18790	116.6	119.3	115.9	103.8	96.2	97.3	108.5	112.2	119.7	125.2
18791	113.8	110.4	107.7	107.2	112.1	116.8	116.6	100.9	108.3	107.8
18792	113.0	114.8	113.0	106.1	106.4	110.8	110.8	111.0	117.5	122.0
18793	---	---	---	---	---	---	---	---	---	---
18794	120.0	120.2	120.0	126.6	121.3	123.3	124.8	127.8	129.9	---
18795	127.1	127.1	112.9	119.9	118.0	115.4	---	---	---	---
18796	104.9	91.7	96.2	92.3	93.7	94.1	104.1	104.6	87.4	88.6
18797	122.2	123.2	108.0	107.8	111.0	95.0	117.0	120.4	120.4	124.7
18798	105.2	110.9	101.9	96.3	106.1	106.1	105.2	115.7	114.6	111.8
18799	128.6	123.2	107.7	112.4	110.2	109.6	111.2	107.9	111.9	112.9
MEAN	117.0	114.6	110.0	108.8	109.2	107.0	110.9	109.5	111.6	112.7
S.D.	12.4	13.8	10.4	11.9	12.5	12.3	11.3	14.5	13.2	13.9
N	48	48	47	47	47	43	30	36	34	31

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 2 FEMALES									
	70	74	78	82	85	90	94	98	102	
18750	---	---	---	---	---	---	---	---	---	
18751	---	---	---	---	---	---	---	---	---	
18752	117.7	---	---	---	---	---	---	---	---	
18753	---	---	---	---	---	---	---	---	---	
18754	105.9	108.7	106.8	104.4	104.1	87.4	---	---	---	
18755	---	---	---	---	---	---	---	---	---	
18756	132.5	131.7	132.0	134.3	133.9	83.0	---	---	---	
18757	128.0	129.2	129.3	120.3	---	---	---	---	---	
18758	---	---	---	---	---	---	---	---	---	
18759	---	---	---	---	---	---	---	---	---	
18760	---	---	---	---	---	---	---	---	---	
18761	114.2	111.2	110.5	114.7	---	---	---	---	---	
18762	122.9	---	---	---	---	---	---	---	---	
18763	124.1	129.0	119.5	124.3	127.3	124.3	116.2	117.7	110.8	
18764	109.9	107.7	111.5	107.2	105.4	71.5	104.6	102.0	99.5	
18765	---	---	---	---	---	---	---	---	---	
18766	---	---	---	---	---	---	---	---	---	
18767	---	---	---	---	---	---	---	---	---	
18768	111.4	105.9	107.2	95.2	86.2	---	---	---	---	
18769	144.5	136.2	156.6	---	---	---	---	---	---	
18770	---	---	---	---	---	---	---	---	---	
18771	---	---	---	---	---	---	---	---	---	
18772	112.9	---	---	---	---	---	---	---	---	
18773	126.2	132.5	127.9	131.6	128.0	123.5	124.7	121.8	126.9	
18774	101.2	---	---	---	---	---	---	---	---	
18775	---	---	---	---	---	---	---	---	---	
18776	115.9	119.5	108.3	111.4	105.1	83.9	---	---	---	
18777	106.4	110.1	100.4	104.7	---	---	---	---	---	
18778	108.3	112.0	113.8	91.9	---	---	---	---	---	
18779	---	---	---	---	---	---	---	---	---	
18780	92.0	---	---	---	---	---	---	---	---	
18781	110.3	111.9	108.6	94.6	88.1	106.3	107.8	93.5	---	
18782	---	---	---	---	---	---	---	---	---	
18783	---	---	---	---	---	---	---	---	---	
18784	127.0	140.8	121.7	129.2	128.8	109.9	---	---	---	
18785	---	---	---	---	---	---	---	---	---	
18786	93.8	102.5	113.9	104.0	106.5	99.6	94.3	90.7	90.2	
18787	---	---	---	---	---	---	---	---	---	
18788	121.5	120.2	123.2	---	---	---	---	---	---	
18789	---	---	---	---	---	---	---	---	---	
18790	124.1	117.2	145.3	---	---	---	---	---	---	
18791	116.9	104.0	116.5	108.4	109.6	119.0	111.7	---	---	
18792	124.0	121.3	125.2	122.2	122.0	118.1	68.5	---	---	
18793	---	---	---	---	---	---	---	---	---	
18794	---	---	---	---	---	---	---	---	---	
18795	---	---	---	---	---	---	---	---	---	
18796	---	---	---	---	---	---	---	---	---	
18797	---	---	---	---	---	---	---	---	---	
18798	114.5	116.8	129.5	111.8	---	---	---	---	---	
18799	120.6	98.1	165.8	---	---	---	---	---	---	
MEAN	116.3	117.5	119.4	112.4	112.1	102.4	104.9	105.1	106.9	
S.D.	11.6	12.0	14.0	13.0	15.9	16.5	16.3	14.0	15.8	
N	26	21	21	17	12	11	7	5	4	

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 3 FEMALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
18550	98.6	95.9	92.3	98.3	100.1	98.8	107.4	107.7	138.6	140.3
18551	104.6	108.6	114.5	117.9	124.8	123.4	131.2	127.1	110.1	110.5
18552	77.3	78.8	80.0	81.1	80.6	83.1	88.6	89.1	90.1	90.8
18553	82.3	79.7	86.6	86.2	83.1	87.5	95.9	80.1	95.7	106.7
18554	87.9	89.4	91.0	97.3	103.5	107.5	115.3	114.2	117.9	118.3
18555	103.5	110.1	108.1	115.5	119.7	122.0	130.8	134.1	139.5	143.4
18556	75.3	80.4	104.4	106.6	110.7	121.4	121.7	115.2	136.0	92.7
18557	83.6	99.5	105.2	114.5	104.6	120.9	130.2	124.5	131.0	132.6
18558	95.7	97.8	82.6	83.9	103.9	110.5	119.6	122.0	119.8	122.5
18559	93.8	97.4	101.5	103.3	103.9	89.8	95.6	100.4	103.3	105.5
18560	82.2	85.1	84.4	87.8	88.1	94.5	101.3	100.6	104.4	104.9
18561	74.6	79.3	82.3	83.3	88.1	82.2	91.2	100.9	109.7	107.5
18562	93.3	91.7	92.5	97.5	97.6	99.1	104.7	109.6	109.8	115.1
18563	97.3	95.1	90.8	99.3	94.9	97.4	97.4	101.3	102.4	106.4
18564	82.2	69.2	78.9	82.4	85.2	93.6	107.3	103.8	104.4	104.3
18565	96.5	98.7	98.3	99.5	99.7	105.5	108.1	109.5	114.6	115.7
18566	88.7	92.2	87.9	97.4	81.6	88.4	92.1	92.3	94.3	91.6
18567	99.4	96.6	98.8	109.4	107.0	110.6	118.1	121.9	129.2	130.7
18568	88.9	89.1	87.0	84.8	91.6	92.7	108.6	116.9	126.2	131.7
18569	94.6	98.0	100.9	104.8	107.9	96.0	95.2	94.1	95.8	96.5
18570	82.5	87.6	85.1	89.5	91.7	86.0	95.2	111.0	114.7	118.4
18571	88.0	87.1	87.3	89.8	92.2	89.5	95.5	109.5	87.7	101.8
18572	81.0	83.9	84.3	86.7	94.0	89.3	95.5	105.4	106.1	108.8
18573	87.0	89.0	94.3	97.2	102.4	102.4	107.2	124.9	124.0	128.9
18574	93.6	97.7	96.9	105.2	107.6	112.8	122.8	124.9	128.2	130.3
18575	101.5	91.9	92.5	98.5	104.5	101.1	111.7	120.5	126.5	111.4
18576	100.9	105.6	103.5	105.0	100.4	90.2	98.3	102.8	106.5	98.9
18577	81.3	84.4	86.1	75.3	65.0	76.6	86.8	90.0	96.8	107.5
18578	99.7	99.7	96.1	101.2	99.1	106.0	106.8	106.4	108.0	100.4
18579	95.5	99.7	103.1	106.0	104.5	80.5	89.9	91.2	90.0	100.4
18580	103.4	104.6	82.6	105.1	111.7	115.5	123.1	127.0	127.5	130.1
18581	9.5	85.1	82.4	87.1	90.1	99.7	104.4	111.3	111.6	112.7
18582	9.5	93.0	92.4	87.0	98.6	109.9	116.3	116.1	114.2	118.2
18583	98.8	108.7	112.6	100.5	118.4	122.9	129.2	126.0	127.0	129.4
18584	88.6	94.2	95.8	98.9	106.1	94.1	96.5	87.9	94.9	106.6
18585	122.0	102.6	105.8	106.7	105.5	119.1	125.7	125.0	127.0	128.7
18586	84.0	97.6	101.8	119.4	105.8	113.2	123.7	129.8	126.4	140.1
18587	109.7	97.6	87.4	119.7	96.4	123.0	125.5	122.2	126.3	123.8
18588	77.7	108.9	113.4	115.7	108.0	119.6	115.2	120.8	123.6	120.5
18589	99.9	99.4	101.9	102.8	113.1	113.1	115.2	118.5	113.3	132.9
18590	99.9	104.2	105.3	103.1	114.4	126.5	123.7	128.7	121.3	141.9
18591	100.2	103.8	103.8	103.2	126.2	126.2	136.2	140.2	129.9	129.8
18592	99.1	100.9	105.2	108.4	122.6	103.2	115.9	120.5	124.7	129.8
18593	94.8	97.6	93.7	97.6	101.6	103.2	109.8	110.2	116.9	119.0
18594	89.1	89.1	86.6	92.1	89.2	92.1	86.0	96.4	102.8	104.6
18595	83.7	89.5	91.4	97.0	96.4	101.0	112.1	115.8	120.9	124.6
18596	94.0	94.5	102.5	105.1	104.8	109.6	109.6	113.5	115.5	120.2
18597	90.3	91.9	94.3	95.1	94.7	103.7	101.0	103.7	103.6	104.2
18598	87.0	86.0	86.0	88.8	92.4	106.4	106.4	111.0	118.9	124.1
18599	93.0	97.1	97.2	101.6	106.4	99.8	105.9	111.2	112.5	115.6
MEAN	91.8	91.9	95.0	98.4	99.9	102.6	109.0	111.0	114.1	116.6
S.D.	8.3	8.9	9.3	11.3	11.5	12.1	13.2	13.4	11.7	12.7
N	50	50	50	50	49	49	49	49	49	49

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued).
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 3 FEMALES

ANIMAL NUMBER	11	12	13	14	15	16	17	18	22	26
18850	144.4	145.2	121.0	125.4	150.5	153.8	153.6	157.6	163.4	155.9
18851	107.4	106.5	104.9	109.9	112.4	105.4	110.1	109.5	115.7	97.2
18852	91.8	92.5	89.7	91.2	81.5	80.3	77.2	73.3	77.3	89.6
18853	87.4	103.4	99.2	101.7	102.9	106.2	110.1	110.6	136.8	141.4
18854	120.5	115.2	112.2	115.1	110.3	108.5	109.0	110.3	119.8	120.9
18855	126.4	125.7	128.8	125.6	124.1	107.1	115.3	112.0	120.2	117.5
18856	89.2	82.7	89.1	110.6	116.2	121.8	125.4	125.6	127.4	114.3
18857	115.0	119.0	122.1	121.1	121.5	122.5	122.2	124.3	132.5	119.2
18858										
18859	107.9	103.8	90.8	106.0	106.8	97.9	94.7	90.5	104.5	88.8
18860	108.1	109.8	112.2	113.2	110.4	107.6	108.1	74.8	88.8	89.2
18861	105.7	104.4	105.2	100.4	106.1	103.9	104.3	103.2	109.3	109.0
18862	108.9	126.8	131.0	129.6	129.1	131.5	133.8	129.7	115.2	108.9
18863	115.3	111.8	113.8	111.3	109.6	105.6	108.4	105.0	99.9	96.6
18864	106.9	108.2	92.0	100.2	101.2	104.7	107.3	102.7	75.4	99.1
18865	107.6	115.5	120.0	107.8	107.8	109.5	109.3	107.2	112.2	111.1
18866	131.2	125.3	102.8	104.1	100.0	95.1	96.0	88.0	83.2	94.0
18867	90.5	130.7								
18868	128.2	139.3	134.8	136.7	142.8	142.8	128.9	130.5	127.4	130.4
18869	135.2	179.8	144.0	142.6	125.1	131.0	130.7	136.6	127.7	138.4
18870	125.8	110.2	89.7	85.6	78.6	81.9	82.9	85.6	88.4	78.7
18871	115.0	106.4	113.4	115.5	110.1	109.9	107.8	107.6	108.4	101.5
18872	99.7	109.2	102.5	108.3	106.0	110.0	110.5	111.2	112.6	113.7
18873	114.9	134.4	113.2	111.4	107.2	106.0	105.1	103.4	103.3	106.5
18874	132.8	134.4	134.6	138.1	134.4	132.9	132.9	130.3	127.3	127.3
18875	134.8	135.9	140.3	137.3	128.7	130.5	133.2	139.0	125.1	140.2
18876	111.5	111.8	109.7	107.2	103.9	107.1	104.9	108.4	108.1	105.1
18877	98.7	100.4	99.4	98.6	97.0	100.5	105.7	105.1	109.5	106.5
18878	107.3	105.6	107.6	106.2	85.9	91.3	94.7	96.6	102.3	104.5
18879	101.6	107.5	107.8	107.5	106.6	98.3	97.5	96.3	111.7	109.3
18880	135.2	135.2	133.1	126.3	123.0	117.3	117.0	113.9	106.7	115.0
18881	112.3	115.8	119.4	118.0	116.4	113.1	116.4	110.1	119.2	100.6
18882	107.8	108.1	94.8	104.6	101.4	94.2	95.6	94.7	93.1	100.3
18883	124.2	121.9	119.1	116.6	117.2	110.6	105.3	86.4	66.9	80.3
18884	111.3	114.7	115.4	113.4	113.9	93.6	99.4	84.6	109.1	104.1
18885	129.8	142.3	122.3	117.3	116.9	109.8	104.4	104.4	101.2	101.9
18886	147.0	147.0	148.6	147.3	144.0	136.5	137.4	136.5	134.8	137.4
18887	122.3	121.0	118.6	128.5	120.9	127.2	127.5	120.0	128.2	130.1
18888	120.4	135.4	133.7	133.1	132.4	131.2	134.6	130.6	134.7	134.8
18889	134.6	146.4	146.0	148.8	145.2	141.8	138.6	137.1	139.3	133.2
18890	138.9	138.9	140.0	141.8	141.9	137.9	135.7	130.1	140.9	135.6
18891	131.6	130.5	127.1	132.6	133.6	131.9	134.6	138.6	135.1	130.1
18892	119.3	120.5	110.8	110.8	111.2	115.1	109.2	118.5	118.5	69.3
18893	104.8	122.4	125.3	128.7	125.8	125.8	129.7	129.7	134.3	131.0
18894	123.1	119.9	119.8	121.2	121.8	117.8	116.7	120.1	127.6	123.7
18895	118.8	103.1	104.3	108.1	111.6	107.2	104.7	105.0	106.8	100.0
18896	104.8	126.5	133.2	134.8	134.8	134.0	130.6	128.6	125.4	117.9
18897	122.0	119.2	117.2	121.3	122.3	116.6	117.0	119.2	125.4	112.6
18898	115.6									
MEAN	115.8 ^b	116.6 ^a	116.6 ^b	118.3 ^b	115.6 ^b	114.3 ^b	113.9 ^b	113.0 ^b	114.9 ^b	112.6 ^b
S.D.	14.6	14.8	15.6	14.3	16.0	16.3	16.0	18.5	19.4	18.9
n	49	49	48	48	48	48	48	48	47	45

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 3 FEMALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
18850	149.9	148.9	139.3	150.4	147.3	147.4	143.9	134.8	107.4	122.9
18851	109.8	105.8	76.6	98.9	95.6	97.8	100.1	95.7	97.3	92.7
18852	137.9	90.7	77.1	116.1	112.1	117.0	127.3	128.5	108.5	92.7
18853	122.0	121.7	115.4	113.5	121.0	127.3	127.3	128.5	108.5	92.7
18854	111.8	103.2	110.5	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18855	98.9	102.5	122.1	113.5	121.0	91.5	127.3	128.5	108.5	92.7
18856	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18857	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18858	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18859	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18860	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18861	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18862	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18863	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18864	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18865	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18866	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18867	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18868	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18869	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18870	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18871	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18872	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18873	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18874	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18875	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18876	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18877	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18878	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18879	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18880	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18881	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18882	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18883	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18884	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18885	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18886	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18887	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18888	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18889	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18890	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18891	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18892	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18893	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18894	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18895	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18896	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18897	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18898	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
18899	117.8	127.7	122.1	113.8	97.9	91.5	127.3	128.5	108.5	92.7
MEAN	112.7 ^a	110.0	108.2	110.2	109.8	109.6	108.6	101.9	107.0	102.2
S.D.	19.4	19.1	18.3	15.5	16.4	16.7	15.1	15.8	16.0	21.7
N	43	41	39	33	31	30	25	22	16	15

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

APPENDIX 3B (Continued) -
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 3 FEMALES

ANIMAL NUMBER	70	74	78	82	85	90
18850	125.5					
18851		87.5	78.8	71.7		
18852	92.6					
18853						
18854						
18855		102.3	98.0	98.6	91.0	
18856	104.7					
18857						
18858						
18859						
18860		67.1	89.1			
18861	101.4					
18862						
18863						
18864						
18865						
18866						
18867						
18868						
18869						
18870						
18871						
18872	97.9	96.9	98.5	102.8	96.3	
18873						
18874	133.9	135.6	126.9			
18875						
18876						
18877						
18878						
18879						
18880						
18881	118.0					
18882						
18883						
18884						
18885						
18886						
18887						
18888						
18889	130.7	130.3	134.1	130.5	133.3	90.7
18890						
18891	134.7	98.9				
18892						
18893						
18894						
18895	90.3	99.9	74.7			
18896						
18897						
18898						
18899						
MEAN	113.8	102.3	100.0	100.9	104.9	90.7
S.D.	16.5	22.0	22.7	24.1	23.0	0.0
N	10	8	7	4	3	1

APPENDIX 3B (Cont Inued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 4 FEMALES									
	1	2	3	4	5	6	7	8	9	10
18950	88.5	88.7	90.9	87.2	103.7	108.2	111.3	117.5	117.4	121.1
18951	88.5	92.4	92.3	98.3	99.1	104.7	108.0	116.1	108.5	122.5
18952	92.6	90.5	96.6	93.9	100.4	95.8	101.6	105.3	108.3	127.8
18953	85.0	87.8	90.4	99.3	94.7	90.1	102.8	111.1	113.3	
18954	106.8	112.6	113.0	119.2	117.3	122.0	127.7	127.2	126.1	98.7
18955	88.0	89.2	90.7	90.3	95.2	98.4	101.5	104.3	97.6	
18956	85.8	88.2	90.1	96.1	99.7	108.6	113.7	116.6	104.0	123.1
18957	94.6	100.6	101.5	108.6	109.7	119.6	123.3	121.7	120.1	123.0
18958	102.5	89.6	102.9	107.5	120.0	121.0	125.9	124.7	118.4	124.9
18959	107.4	97.3	105.4	103.2	112.3	110.9	110.6	103.5	114.8	110.2
18960	90.4	72.8	92.2	97.2	94.8	99.5	97.8	114.8	117.2	118.4
18961	64.9	78.9	83.9	103.1	103.1	105.4	111.7	115.0	120.0	124.9
18962	92.1	86.8	94.4	98.4	98.4	105.2	113.3	115.2	123.2	127.8
18963	88.4	79.7	92.0	94.4	100.2	104.3	104.1	108.3	108.8	127.8
18964	87.1	62.7	82.6	92.5	97.9	108.9	105.8	115.1	105.3	113.4
18965	83.2	85.7	85.7	91.5	99.9	102.1	105.8	108.7	112.6	113.4
18966	81.1	89.1	94.8	93.6	102.7	104.2	107.3	110.6	110.6	105.5
18967	85.7	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18968	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18969	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18970	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18971	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18972	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18973	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18974	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18975	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18976	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18977	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18978	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18979	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18980	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18981	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18982	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18983	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18984	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18985	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18986	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18987	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18988	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18989	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18990	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18991	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18992	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18993	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18994	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18995	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18996	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18997	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18998	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
18999	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4
19000	87.2	87.8	87.8	85.9	90.2	97.6	99.0	101.8	110.6	113.4

a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued) -
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 4 FEMALES

ANIMAL NUMBER	11	12	13 ^c	14	15	16	17	18	22	26
18950	120.7	121.5	---	122.7	126.1	126.5	126.9	127.7	116.6	117.2
18951	119.4	120.8	---	124.0	131.2	128.9	126.4	127.8	107.6	109.2
18952	130.0	127.7	---	131.5	132.1	133.6	133.0	130.3	135.7	126.3
18953	105.4	107.0	---	110.3	111.6	110.6	105.2	106.9	106.5	84.4
18954	106.3	124.9	---	112.9	115.4	117.5	130.5	127.3	118.6	129.4
18955	106.7	105.3	---	102.2	97.0	96.6	100.5	98.5	84.3	88.1
18956	82.8	125.6	---	125.9	126.3	124.6	126.8	128.5	122.9	117.9
18957	121.1	122.1	---	98.8	100.3	104.8	103.3	129.3	120.7	123.7
18958	117.5	121.9	---	123.0	113.6	122.3	123.9	125.0	128.6	109.0
18959	119.4	115.6	---	121.9	121.3	125.0	126.8	124.7	128.7	123.7
18960	118.6	118.3	---	126.1	130.5	121.5	123.3	126.3	129.1	120.1
18961	119.1	120.8	---	132.6	135.1	129.4	134.7	135.8	129.7	118.3
18962	109.6	114.2	---	112.4	109.1	109.0	105.5	105.9	130.7	138.6
18963	122.1	118.7	---	124.7	126.0	129.6	126.9	99.9	101.3	93.9
18964	117.8	120.9	---	124.3	123.6	127.6	130.9	116.4	129.5	117.9
18965	112.8	115.7	---	121.3	119.5	119.5	120.9	121.7	117.3	117.3
18966	108.5	108.5	---	107.4	104.3	104.2	105.5	107.4	117.4	119.3
18967	119.9	127.0	---	126.5	128.3	127.9	127.8	116.0	134.7	125.9
18968	108.9	110.3	---	114.7	96.8	109.2	109.3	99.0	112.5	115.9
18969	112.7	131.7	---	131.2	134.0	135.5	134.2	110.2	125.4	124.5
18970	112.5	105.5	---	105.0	104.5	101.8	103.4	110.1	115.0	110.7
18971	105.7	110.5	---	112.6	117.4	116.5	103.3	105.7	110.8	109.0
18972	108.1	121.5	---	112.0	124.3	127.7	123.8	129.1	129.1	123.0
18973	104.1	101.1	---	112.8	115.2	118.0	118.5	117.1	131.2	119.8
18974	116.4	102.7	---	119.0	100.4	103.1	104.5	104.7	102.2	100.4
18975	111.2	113.2	---	117.8	113.6	113.8	113.1	112.8	107.2	103.7
18976	128.2	144.0	---	133.4	133.6	130.4	148.0	148.0	150.7	102.5
18977	105.1	105.1	---	109.2	109.1	119.4	120.3	115.3	121.5	139.5
18978	142.4	145.2	---	151.0	150.3	150.5	110.2	103.9	107.2	118.7
18979	87.1	91.4	---	100.7	97.1	98.4	147.3	140.9	134.0	94.8
18980	95.0	99.1	---	104.7	104.2	99.8	88.2	95.3	92.9	124.6
18981	127.3	128.2	---	126.4	126.6	126.1	101.9	102.4	104.7	89.3
18982	115.9	121.3	---	123.1	120.3	126.1	126.0	127.4	130.7	124.3
18983	106.8	105.7	---	113.2	120.3	123.2	127.0	130.0	131.8	114.3
18984	119.4	118.2	---	121.0	115.3	115.9	114.9	109.3	128.4	118.4
18985	104.1	105.5	---	104.0	122.5	127.5	124.1	120.7	135.9	129.0
18986	108.4	108.6	---	107.8	100.5	98.3	93.8	92.1	86.8	75.4
18987	124.2	122.4	---	126.7	130.5	100.1	101.9	100.3	98.9	100.3
18988	139.7	137.0	---	135.3	134.7	127.8	124.7	126.0	135.8	127.0
18989	125.1	125.1	---	142.9	146.1	147.7	150.1	149.7	149.7	132.9
18990	125.1	125.1	---	133.4	138.6	133.8	131.5	122.5	140.8	143.9
18991	95.7	98.1	---	94.9	93.2	91.0	93.8	112.5	140.8	143.9
18992	113.5	113.5	---	116.3	119.2	118.3	117.3	114.8	129.3	129.9
MEAN	114.4 ^b	114.6 ^a	---	118.6 ^a	118.8 ^a	119.4 ^a	118.7 ^a	117.5 ^a	122.9	116.1
S.D.	14.0	15.4	---	14.1	14.5	14.6	15.3	14.5	16.2	16.0
N	48	48	---	48	48	48	48	47	47	47

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station.

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 4 FEMALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
18950	117.2	106.1	110.3	108.3	106.3	108.5	109.6	116.0	112.6	119.3
18951	108.7	106.8	107.7	108.4	85.2	101.2	103.5	119.2	117.2	118.7
18952	123.2	127.1	128.6	120.5	124.8	124.1	125.1			
18953	99.7	111.3	79.9	75.1	82.0	95.1	89.6	106.7	109.8	119.3
18954	128.5	126.8	120.2	124.3	122.7	123.1	122.8	119.2	117.3	119.3
18955	92.3	92.2	94.4	97.1	96.6	99.1	88.6	93.1	100.0	107.0
18956	115.2	121.8	124.9	116.3	110.3	116.9	116.4	113.1	118.6	127.1
18958	126.9	138.2	137.6	131.8	127.9	128.2	129.8	125.9	127.3	130.4
18959	128.6	132.8	120.4	129.4	130.2	128.3	127.5			130.7
18960										
18961	118.3	112.9	110.9	117.9	114.2	118.8	114.3	125.1	125.3	127.6
18962	116.2	110.3	106.3	103.8	103.5	102.0	107.9	95.6		
18963	128.8	125.1	121.7	103.6	90.6	81.5				
18964	97.3	102.0	102.7	98.5	106.7	101.6	99.5	92.1	81.3	94.6
18965	133.3	137.9	138.4	138.5	132.0	132.6	122.2	122.2	124.0	88.5
18966	117.3	116.5	105.2	108.0	112.1	104.7	109.4	112.2	118.0	115.9
18967	106.4	113.0	109.4	109.4	111.8	115.9	116.6	108.2	115.9	83.8
18968	119.9	121.7	98.4	117.7	116.1	121.8	119.0	119.4	122.1	129.0
18969	116.4	112.2	126.8	110.7	113.8	120.8	119.0	124.9	122.1	90.5
18970	117.5	113.6	113.0	92.5	113.5	111.5	108.9	101.7	74.0	122.6
18971	117.4	117.4	117.5	111.7	114.7	117.8	117.8	122.9	111.9	123.1
18972	110.7	109.2	110.7	111.4	123.1	126.9	120.3	118.7	111.3	
18973	104.9	110.2	111.4	111.6	108.9	104.8	101.5			
18974	109.5	107.7	112.6	87.1						
18975	123.5	129.5	118.6	110.9	121.8	115.9	88.3	123.8	119.5	124.5
18976	111.4	107.5	109.4	108.3	110.0	116.0	108.5	106.8	115.2	112.0
18977	114.7	118.7	109.5	113.0	115.3	115.4	115.4	115.9	123.1	123.1
18978	106.6	99.8	100.4	105.7	108.7	107.1	106.9	107.1	110.6	114.1
18979	107.5	106.8	107.9	107.9	113.3	108.0	97.5	130.5	119.6	119.6
18980	105.4	105.4	99.3	97.3	105.0	103.3	103.6	108.7	105.1	97.2
18981	120.5	137.7	102.8	107.9	105.0	103.3	103.6	125.2	125.2	133.7
18982	146.0	117.9	127.3	126.9	121.7	126.2	114.6	108.2	120.1	108.2
18983	95.3	92.4	115.8	115.0	97.7	121.6	126.6	115.7	106.0	105.5
18984	121.9	126.0	95.8	132.4	129.4	100.9	105.0	102.9		
18985	81.0	87.9	125.0	132.4	86.1	90.4	90.7	94.9	100.4	99.6
18986	89.7	86.0	89.2	86.7	77.1	90.8	95.5	97.0	98.6	100.4
18987	122.4	121.4	114.5	93.1	107.4	106.4	92.5	104.0	115.3	118.6
18988	108.4	87.3	104.5	90.2	90.6	96.3	106.6			
18989	113.0	113.0	109.2	116.0						
18990	128.0	127.0	105.0	123.4	120.9	120.9	120.9	83.1	98.9	103.7
18991	171.4	162.3	150.1	137.6	162.4	160.8	179.5	101.0	98.9	
18992	101.4	98.3	98.1	98.2	99.3	103.4	103.2	103.3		
18993	125.2	120.5	124.9	135.4	132.0	105.7	105.7	127.9		
18994	123.6	120.5	124.9	137.1	146.6	142.1	142.1	118.2	127.6	135.7
18995	123.6	120.5	124.9	137.1	146.6	142.1	142.1	118.2	127.6	135.7
18996	123.6	120.5	124.9	137.1	146.6	142.1	142.1	118.2	127.6	135.7
18997	123.6	120.5	124.9	137.1	146.6	142.1	142.1	118.2	127.6	135.7
18998	123.6	120.5	124.9	137.1	146.6	142.1	142.1	118.2	127.6	135.7
18999	131.4	129.6	126.4	130.2	132.0	123.0	118.7	97.2	115.4	115.9
MEAN	115.7	114.2	112.0	110.7	111.7	110.5	109.6	112.0	114.8	114.2
S.D.	15.7	15.1	15.0	15.6	16.1	12.6	13.6	13.0	14.3	14.6
N	46	46	45	46	44	43	42	42	36	36

^d Data not available due to technician error

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 4 FCHALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102
18950	113.6	118.6	112.4	116.1	112.9	83.0	71.4	85.9	105.1
18951	113.6	118.6	112.4	116.1	112.9	83.0	71.4	85.9	105.1
18952	113.6	118.6	112.4	116.1	112.9	83.0	71.4	85.9	105.1
18953	108.4	107.6	107.0	105.0	101.9	101.9	101.9	101.9	101.9
18954	108.4	107.6	107.0	105.0	101.9	101.9	101.9	101.9	101.9
18955	103.2	94.1	100.1	103.8	99.9	108.4	115.7	100.6	104.9
18956	107.7	117.5	75.9	110.8	100.0	108.4	115.7	100.6	104.9
18957	129.9	134.7	129.5	104.3	103.5	117.8	119.0	100.6	104.9
18958	123.6	97.1	115.3	115.6	81.8	117.8	119.0	100.6	104.9
18959	123.6	97.1	115.3	115.6	81.8	117.8	119.0	100.6	104.9
18960	123.6	97.1	115.3	115.6	81.8	117.8	119.0	100.6	104.9
18961	123.6	97.1	115.3	115.6	81.8	117.8	119.0	100.6	104.9
18962	120.7	131.4	100.4	128.3	121.3	117.9	117.9	117.9	117.9
18963	120.7	131.4	100.4	128.3	121.3	117.9	117.9	117.9	117.9
18964	120.7	131.4	100.4	128.3	121.3	117.9	117.9	117.9	117.9
18965	93.2	96.9	100.6	100.6	100.6	100.6	100.6	100.6	100.6
18966	124.1	103.9	123.0	118.4	112.9	118.3	117.0	110.5	118.5
18967	124.1	103.9	123.0	118.4	112.9	118.3	117.0	110.5	118.5
18968	100.1	110.6	116.6	120.5	122.8	118.3	117.0	110.5	118.5
18969	100.1	110.6	116.6	120.5	122.8	118.3	117.0	110.5	118.5
18970	125.2	131.5	130.0	132.9	133.3	124.9	114.9	112.0	115.7
18971	121.1	127.4	107.5	126.7	120.3	124.9	114.9	112.0	115.7
18972	122.0	130.9	130.9	126.7	120.3	124.9	114.9	112.0	115.7
18973	123.1	130.9	130.9	126.7	120.3	124.9	114.9	112.0	115.7
18974	123.1	130.9	130.9	126.7	120.3	124.9	114.9	112.0	115.7
18975	123.1	130.9	130.9	126.7	120.3	124.9	114.9	112.0	115.7
18976	123.1	130.9	130.9	126.7	120.3	124.9	114.9	112.0	115.7
18977	95.6	116.8	122.7	116.3	116.3	116.3	116.3	116.3	116.3
18978	103.7	116.8	122.7	116.3	116.3	116.3	116.3	116.3	116.3
18979	117.0	122.3	116.1	116.3	116.3	116.3	116.3	116.3	116.3
18980	124.2	106.6	119.1	116.3	116.3	116.3	116.3	116.3	116.3
18981	124.2	106.6	119.1	116.3	116.3	116.3	116.3	116.3	116.3
18982	140.2	146.2	144.0	133.3	141.7	130.3	137.7	184.8	184.8
18983	131.6	116.7	120.9	133.3	141.7	130.3	137.7	184.8	184.8
18984	131.6	116.7	120.9	133.3	141.7	130.3	137.7	184.8	184.8
18985	103.9	107.7	102.2	107.4	111.0	108.7	108.8	101.0	94.0
18986	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18987	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18988	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18989	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18990	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18991	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18992	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18993	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18994	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18995	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18996	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18997	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18998	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
18999	98.7	110.9	113.8	112.8	114.4	110.8	108.4	107.6	104.6
MEAN	113.3	115.8	116.2	117.0	112.5	112.0	110.8	111.2	107.6
S.D.	13.9	14.4	14.5	11.6	15.4	14.6	17.7	28.5	12.8
N	27	24	23	10	17	12	11	10	9

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APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 5 FEMALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
19050	96.0	92.1	92.2	94.2	95.1	97.3	97.2	100.9	99.3	97.4
19051	96.9	96.5	78.0	64.8	92.5	97.1	102.5	109.0	109.3	109.6
19052	86.6	97.6	89.4	98.0	100.4	104.3	109.9	112.3	113.0	118.3
19053	93.0	96.8	99.8	107.7	111.0	111.4	103.8	103.8	107.5	114.4
19054	80.0	82.9	101.7	105.0	104.3	108.2	99.4	111.7	111.9	107.2
19055	99.3	99.4	92.5	95.2	96.9	98.7	103.0	129.8	99.0	117.3
19056	110.8	92.6	91.2	96.0	100.5	103.4	105.0	129.8	132.4	135.1
19057	97.4	99.1	99.8	109.3	108.3	106.0	112.3	131.1	118.2	121.3
19058	102.2	93.0	108.3	112.1	116.1	116.8	122.8	131.1	131.5	130.3
19059	91.1	93.0	99.3	102.2	106.2	112.7	117.3	119.6	125.3	128.5
19060	84.1	93.4	89.1	92.0	96.0	103.4	104.6	108.2	110.3	108.8
19061	87.8	93.4	92.3	100.6	96.7	100.9	106.7	101.4	100.0	100.7
19062	98.8	102.0	104.3	109.2	114.2	118.0	120.3	120.6	123.6	121.6
19063	98.0	101.6	105.6	112.7	117.9	117.9	120.4	122.0	120.5	119.7
19064	109.5	115.2	119.5	129.5	136.2	138.9	139.3	144.6	147.7	148.5
19065	82.3	85.3	87.6	92.0	90.5	95.9	100.1	106.8	109.3	105.0
19066	78.0	101.8	103.6	95.7	100.5	107.8	108.4	112.9	110.5	115.4
19067	88.6	90.5	93.3	97.2	98.0	107.8	108.4	98.5	93.5	86.4
19068	86.7	92.7	91.9	92.1	96.8	100.0	104.9	115.3	111.6	115.2
19069	85.7	87.7	88.0	88.2	89.6	97.4	97.9	97.9	96.5	95.8
19070	85.1	80.2	86.0	85.6	90.0	79.4	90.6	94.4	93.8	101.1
19071	97.1	85.0	87.0	103.0	91.7	98.1	112.5	123.1	126.4	126.4
19072	79.6	97.1	88.8	88.4	91.7	97.8	87.2	108.6	108.7	127.4
19073	96.3	100.5	101.5	109.5	104.4	108.1	114.9	114.1	110.7	117.4
19074	92.7	104.5	103.4	106.5	112.1	115.8	119.5	128.5	127.3	114.9
19075	100.5	104.5	103.8	111.0	115.1	113.6	115.6	120.4	120.4	120.3
19076	85.3	85.8	84.1	92.3	95.0	98.8	78.1	88.7	93.1	94.7
19077	94.8	95.4	93.0	92.1	98.4	103.6	107.0	110.7	106.6	115.1
19078	92.8	97.1	95.2	100.1	101.4	100.0	106.7	101.1	104.1	108.1
19079	89.5	88.9	89.7	95.5	98.6	103.6	109.6	113.5	114.2	120.0
19080	90.0	89.9	97.0	101.9	104.3	106.3	105.9	118.0	117.1	111.1
19081	95.7	96.7	98.2	97.6	99.4	101.5	103.7	103.7	104.5	105.6
19082	85.3	84.3	87.5	94.0	97.8	99.4	105.1	108.0	110.7	114.0
19083	100.8	99.1	94.1	102.5	103.0	105.7	109.6	115.1	120.8	116.4
19084	91.1	90.4	98.1	99.9	101.7	105.9	108.1	116.6	117.9	117.2
19085	97.1	98.5	100.8	103.5	108.0	103.9	113.9	118.3	124.7	110.8
19086	91.1	90.7	95.1	98.3	100.1	100.6	106.0	109.7	110.5	127.4
19087	78.7	77.9	76.9	77.6	78.3	79.4	78.4	82.6	81.8	83.5
19088	91.1	91.9	91.8	101.2	100.4	104.4	110.3	114.3	115.2	117.0
19089	86.7	91.3	84.8	104.5	103.5	104.5	106.7	111.1	114.9	117.0
19090	97.2	100.1	100.7	91.0	106.5	105.4	110.4	111.4	119.1	105.5
19091	84.4	81.0	85.6	85.6	88.2	109.0	112.4	121.0	105.9	108.5
19092	89.4	90.6	90.8	100.9	106.0	109.2	106.6	108.0	105.9	108.5
19093	85.1	81.1	85.8	87.4	92.3	95.2	96.4	102.7	97.8	98.4
19094	91.4	90.7	91.4	104.9	111.4	119.5	122.7	127.1	132.1	135.9
19095	84.7	92.3	95.3	96.8	95.3	108.5	95.0	97.8	98.0	97.9
19096	92.0	94.3	99.3	100.4	103.4	108.5	113.8	116.2	114.1	116.2
MEAN	92.6	91.5	94.6	98.4	101.2	103.7	106.3	111.0	111.8	112.9
S.D.	7.2	7.6	8.1	10.1	9.5	11.0	11.3	11.6	12.5	12.3
N	50	50	50	50	50	50	50	50	50	50

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 5 FEMALES

ANIMAL NUMBER	11	12	13 ^c	14	15	16	17	18	22	26
17050	99.6	101.1	---	106.0	109.4	109.6	108.8	107.8	117.4	110.2
17051	118.2	119.4	---	124.2	128.4	132.5	133.3	131.9	147.5	145.5
17052	106.0	109.0	---	111.6	117.2	119.2	115.6	116.2	119.8	107.2
17053	115.9	118.5	---	126.0	125.9	131.0	130.1	131.7	135.8	128.4
17054	105.9	104.8	---	106.4	105.7	108.9	109.0	111.0	121.2	---
17055	122.2	123.2	---	128.2	128.7	133.2	140.7	131.1	---	---
17056	96.4	97.8	---	104.1	104.8	105.6	107.0	105.5	119.5	115.2
17057	137.1	145.5	---	146.0	144.7	145.1	143.2	140.9	145.8	130.8
17058	119.6	119.7	---	120.5	144.8	120.0	---	---	---	---
17059	135.9	137.7	---	136.5	144.8	145.2	144.3	144.8	132.2	133.9
17060	130.5	133.9	---	141.4	141.9	144.2	141.1	143.5	143.3	121.3
17061	110.1	107.5	---	107.7	106.3	104.5	105.0	105.0	103.9	104.4
17062	105.1	110.4	---	108.2	107.3	106.9	108.9	110.5	116.7	103.8
17063	125.7	116.3	---	126.2	123.1	123.1	111.0	122.8	135.7	131.5
17064	121.2	120.9	---	118.2	110.7	112.9	116.7	111.1	118.2	116.0
17065	150.3	146.9	---	135.6	149.3	148.7	148.5	146.1	144.3	127.4
17066	111.3	112.9	---	105.8	111.7	116.4	117.4	110.8	135.8	127.1
17067	114.8	119.8	---	120.9	121.9	121.4	121.4	121.9	125.6	121.2
17068	89.3	91.3	---	91.5	92.9	89.3	97.9	129.8	140.4	134.7
17069	125.2	126.5	---	126.1	135.3	138.0	127.7	123.0	95.8	81.0
17070	99.1	98.9	---	87.3	110.2	108.5	107.7	123.0	114.1	127.6
17071	93.1	89.7	---	85.3	85.3	84.7	86.2	127.5	127.5	107.2
17072	133.7	134.2	---	135.4	135.2	134.5	132.8	123.5	127.5	114.2
17073	98.9	107.2	---	106.8	110.7	106.2	103.3	96.3	105.0	101.8
17074	118.1	124.8	---	120.1	124.3	123.4	123.3	123.0	127.4	102.3
17075	109.4	106.2	---	103.9	104.3	105.1	103.8	101.4	127.4	116.4
17076	139.3	135.1	---	111.1	131.3	137.2	143.3	143.0	159.3	147.1
17077	121.0	120.6	---	126.8	123.1	124.6	123.2	123.0	121.2	91.5
17078	100.4	98.4	---	92.5	102.6	101.5	101.2	94.9	91.1	107.9
17079	120.4	124.6	---	127.4	137.5	137.9	139.9	141.9	127.7	134.6
17080	107.9	109.1	---	106.5	108.0	110.9	110.9	111.9	110.3	101.4
17081	118.8	125.0	---	124.6	120.6	126.1	128.8	129.6	135.1	121.7
17082	111.6	110.9	---	114.1	115.1	114.6	114.0	117.4	118.7	110.0
17083	112.1	111.7	---	116.7	117.1	116.5	117.0	113.2	114.1	102.1
17084	117.3	116.1	---	116.3	115.2	112.4	108.2	104.9	113.6	106.8
17085	114.6	123.1	---	127.9	132.9	131.2	133.8	133.8	140.7	121.7
17086	121.6	119.5	---	115.6	113.2	117.1	116.8	118.7	122.0	118.9
17087	115.0	103.2	---	103.2	103.3	102.1	104.5	100.5	104.0	98.2
17088	129.9	135.5	---	132.6	132.8	137.5	127.6	127.8	145.9	119.1
17089	118.9	114.8	---	120.4	116.4	111.1	118.7	119.8	121.8	113.0
17090	99.1	86.1	---	109.6	112.2	110.8	109.9	108.5	111.7	105.0
17091	104.0	107.3	---	109.2	109.7	108.4	121.3	111.2	111.2	101.2
17092	120.0	119.5	---	119.0	119.0	119.7	121.2	119.5	119.8	109.0
17093	---	---	---	---	---	---	---	---	---	---
17094	101.1	140.9	---	120.6	144.6	---	---	---	---	---
17095	142.4	120.7	---	126.9	114.9	---	---	---	---	---
17096	96.3	100.3	---	120.7	123.2	---	---	---	---	---
17097	129.6	121.7	---	95.9	98.3	125.1	120.5	110.1	127.5	122.8
MEAN	115.5 ^b	116.3 ^b	---	116.8 ^b	119.6 ^b	119.7 ^b	120.4 ^b	119.7 ^b	123.4 ^a	116.9
S.D.	13.7	14.1	---	14.0	14.9	15.0	14.9	15.2	15.8	17.7
n	47	47	---	47	47	44	43	43	42	42

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station.

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 5 FEMALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
19050	104.3	103.5	103.4	103.5	102.0	85.1	100.7	104.4	109.9	118.5
19051	149.7	147.9	139.0	134.6	139.6	130.8	130.7	139.1	120.1	142.4
19052	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
19053	108.9	122.8	126.5	124.6	129.1	135.2	132.0	137.0	130.9	136.7
19054	118.1	121.7	112.1	114.8	114.1	111.9	115.5	113.5	113.5	113.5
19055	---	---	---	---	---	---	---	---	---	---
19056	107.6	102.6	106.1	110.6	114.6	93.7	83.6	102.3	103.8	103.6
19057	120.9	121.1	115.1	119.2	124.5	122.6	123.0	132.8	129.0	137.6
19058	---	---	---	---	---	---	---	---	---	---
19059	119.4	129.7	124.4	130.2	132.3	127.7	126.2	118.7	---	---
19060	108.3	118.3	114.0	118.0	119.1	111.8	121.0	117.8	93.9	116.5
19061	104.7	100.8	105.3	104.9	107.4	103.1	100.2	99.2	85.4	97.9
19062	104.5	107.1	110.9	102.8	104.5	105.0	101.5	99.8	---	---
19063	85.0	122.2	116.9	126.2	121.7	98.6	99.7	122.7	103.0	112.1
19064	126.4	120.8	135.8	123.1	126.1	124.5	117.7	126.6	132.1	126.2
19065	140.5	130.6	110.9	108.2	114.4	113.9	---	115.0	112.8	---
19066	134.1	128.6	---	---	---	---	---	---	---	---
19067	76.2	78.5	81.5	74.1	82.3	78.6	87.7	93.9	86.5	75.6
19068	105.1	108.6	94.1	103.2	99.7	92.8	99.8	103.6	107.8	102.8
19069	91.8	91.8	88.8	90.2	89.0	89.5	89.0	92.8	97.4	93.8
19070	110.9	104.6	108.2	104.5	106.6	105.5	---	94.5	90.1	---
19071	94.1	95.7	98.3	95.6	---	---	---	---	---	---
19072	106.2	117.7	107.2	113.1	118.9	126.8	125.2	124.8	108.2	111.4
19073	116.4	101.0	104.8	108.4	113.9	111.6	89.4	101.2	110.4	112.2
19074	140.5	122.6	110.7	111.9	111.8	97.0	107.5	109.1	111.7	113.5
19075	98.5	101.0	120.3	110.7	95.6	94.9	108.0	108.1	108.1	117.0
19076	92.1	90.2	85.2	86.6	89.6	90.9	97.9	94.8	84.8	80.1
19077	128.1	121.9	107.0	106.9	110.6	104.8	107.4	110.8	109.8	119.9
19078	101.7	105.8	108.0	96.0	102.2	101.4	---	---	---	---
19079	121.2	119.6	112.5	117.0	126.2	111.3	107.5	109.2	94.8	119.1
19080	114.0	90.9	115.1	124.3	130.5	130.0	116.1	115.5	122.3	114.3
19081	52.1	94.9	92.6	103.0	105.6	105.1	103.9	106.8	115.3	---
19082	108.5	108.1	108.7	107.8	104.2	105.8	99.6	92.6	76.0	99.6
19083	121.1	111.6	115.5	111.4	101.6	109.3	114.6	115.7	122.9	112.8
19084	123.7	115.3	113.2	117.5	111.4	119.2	105.5	116.2	94.5	---
19085	97.7	90.2	92.7	97.3	100.9	78.6	89.0	85.0	---	---
19086	110.5	112.2	120.3	127.8	125.7	119.0	116.0	124.0	119.1	123.0
19087	---	---	---	---	---	---	---	---	---	---
19088	108.0	107.4	109.7	107.3	109.1	111.3	111.0	118.4	119.9	121.1
19089	101.8	94.4	93.4	89.2	---	---	---	---	---	---
19090	---	---	---	---	---	---	---	---	---	---
19091	92.8	95.3	95.3	98.1	96.7	100.4	99.6	104.0	107.2	111.1
19092	104.0	108.7	106.3	112.9	116.3	113.6	113.8	120.4	124.0	124.6
19093	---	---	---	---	---	---	---	---	---	---
19094	---	---	---	---	---	---	---	---	---	---
19095	---	---	---	---	---	---	---	---	---	---
19096	---	---	---	---	---	---	---	---	---	---
19097	---	---	---	---	---	---	---	---	---	---
19098	111.3	110.3	105.8	104.6	107.3	---	---	---	---	---
19099	---	---	---	---	---	---	---	---	---	---
MEAN	109.8 ^b	109.8	108.4 ^b	108.8 ^a	110.8	107.3	107.0	111.2	108.1 ^a	112.8
S.D.	16.5	14.2	12.4	12.8	12.7	13.1	12.8	12.8	14.4	15.6
N	42	40	36	38	36	35	34	34	30	28

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
 INDIVIDUAL AND MEAN BODY WEIGHTS
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
 EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 5 FEMALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102
19050	113.2	122.4	113.0	124.1	122.6	120.4	126.2	121.0	124.6
19051	138.0	142.1	140.8	119.7	132.8	---	---	---	---
19052	---	---	---	---	---	---	---	---	---
19053	137.3	143.1	147.6	122.1	123.9	112.7	---	---	---
19054	---	---	---	---	---	---	---	---	---
19055	---	---	---	---	---	---	---	---	---
19056	130.3	---	---	---	---	---	---	---	---
19057	---	---	---	---	---	---	---	---	---
19058	---	---	---	---	---	---	---	---	---
19059	---	---	---	---	---	---	---	---	---
19060	124.8	122.0	126.3	132.5	131.2	113.8	---	---	---
19061	104.7	110.7	111.3	113.4	111.4	107.3	95.8	---	---
19062	---	---	---	---	---	---	---	---	---
19063	---	---	---	---	---	---	---	---	---
19064	118.2	124.2	127.5	123.9	122.7	118.1	117.6	115.4	107.8
19065	---	---	---	---	---	---	---	---	---
19066	140.5	145.4	153.7	---	126.8	121.1	119.2	119.5	122.4
19067	122.8	127.3	130.2	118.6	---	---	---	---	---
19068	---	---	---	---	---	---	---	---	---
19069	88.3	100.8	103.1	111.2	104.5	---	---	---	---
19070	104.2	108.2	99.7	---	---	---	---	---	---
19071	93.8	98.9	104.3	104.0	104.6	105.3	100.2	97.1	89.0
19072	101.3	92.6	---	---	---	---	---	---	---
19073	---	---	---	---	---	---	---	---	---
19074	116.5	134.5	107.6	110.1	126.6	129.2	---	---	---
19075	116.7	106.5	97.5	99.1	---	---	---	---	---
19076	110.0	113.1	---	---	---	---	---	---	---
19077	114.3	122.6	105.9	103.1	101.6	91.7	89.2	---	---
19078	84.1	88.5	87.8	78.3	---	---	---	---	---
19079	116.5	---	---	---	---	---	---	---	---
19080	---	---	---	---	---	---	---	---	---
19081	---	---	---	---	---	---	---	---	---
19082	107.9	125.2	105.0	---	---	---	---	---	---
19083	110.6	115.3	111.2	108.6	103.9	99.3	103.3	---	---
19084	102.6	104.6	104.2	107.1	94.6	103.8	99.9	---	---
19085	118.3	120.3	---	---	---	---	---	---	---
19086	---	---	---	---	---	---	---	---	---
19087	---	---	---	---	---	---	---	---	---
19088	131.2	126.6	132.6	130.9	127.4	---	---	---	---
19089	---	---	---	---	---	---	---	---	---
19090	124.1	124.8	120.6	122.7	119.3	109.8	112.1	107.1	97.6
19091	---	---	---	---	---	---	---	---	---
19092	---	---	---	---	---	---	---	---	---
19093	111.2	104.7	75.4	---	---	---	---	---	---
19094	124.5	118.2	103.0	---	---	---	---	---	---
19095	---	---	---	---	---	---	---	---	---
19096	---	---	---	---	---	---	---	---	---
19097	---	---	---	---	---	---	---	---	---
19098	---	---	---	---	---	---	---	---	---
19099	---	---	---	---	---	---	---	---	---
MEAN	115.4	117.7	114.2	113.5	116.8	111.0	107.1	112.0	108.3
S.D.	14.8	15.0	13.1	13.3	12.3	10.4	12.3	9.9	15.4
N	27	25	22	17	15	12	9	5	5

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 6 FEMALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
19150	99.7	101.8	98.9	107.8	110.3	97.6	108.9	116.9	122.0	124.5
19151	101.0	109.1	116.9	119.7	123.5	136.8	131.6	131.9	132.3	137.1
19152	85.6	94.3	86.9	97.6	105.8	106.8	93.6	119.8	117.6	118.1
19153	88.5	103.8	107.3	116.9	119.1	126.5	127.4	125.5	127.8	128.3
19154	110.5	93.9	98.3	108.3	109.3	118.4	117.4	122.7	129.4	128.0
19155	94.2	91.5	98.3	98.7	102.6	108.4	114.6	110.9	116.2	120.4
19156	92.0	89.6	93.0	96.1	102.2	105.7	84.6	110.2	111.8	121.5
19157	88.4	72.7	97.0	100.9	102.2	108.2	115.3	118.5	122.8	118.7
19158	94.4	86.5	97.3	101.7	102.2	116.7	121.8	125.5	129.7	132.8
19159	97.3	86.5	87.3	82.7	93.8	97.2	91.3	95.5	98.2	93.4
19160	86.7	88.3	91.4	101.6	98.6	98.0	101.4	103.6	111.4	115.2
19161	90.6	85.7	99.4	101.6	98.6	98.0	101.4	103.6	111.4	115.2
19162	90.6	85.7	99.4	101.6	98.6	98.0	101.4	103.6	111.4	115.2
19163	98.0	100.4	108.6	100.8	103.2	117.8	122.2	125.5	123.9	129.3
19164	98.0	100.4	108.6	100.8	103.2	117.8	122.2	125.5	123.9	129.3
19165	103.3	106.7	93.3	108.7	112.1	117.0	120.4	123.8	125.2	129.8
19166	91.4	89.9	93.3	97.7	97.7	96.2	98.1	103.8	107.1	105.3
19167	114.3	118.7	123.5	134.9	142.1	151.2	156.7	156.3	160.5	161.0
19168	91.0	93.7	101.3	105.5	103.1	103.8	107.9	103.7	100.8	92.1
19169	113.3	110.6	117.1	123.6	126.7	129.7	127.8	135.6	134.2	138.3
19170	91.9	96.5	95.6	102.8	107.2	111.8	112.3	116.3	118.6	111.9
19171	85.7	87.4	92.5	95.6	103.2	106.0	107.4	110.0	112.8	111.9
19172	79.1	111.2	124.1	124.1	127.4	133.5	121.4	133.2	137.6	121.7
19173	81.7	82.0	93.1	94.5	104.4	107.5	113.3	115.2	115.3	117.4
19174	97.1	95.1	97.6	100.2	103.1	104.9	108.8	107.3	107.8	106.4
19175	89.0	87.6	92.2	96.4	100.2	105.0	111.2	113.1	117.7	118.7
19176	84.3	82.3	104.7	110.2	117.2	123.0	108.2	124.6	129.6	130.7
19177	80.3	86.1	96.1	108.1	90.5	94.8	94.7	119.7	129.6	125.8
19178	103.5	101.2	110.2	120.0	105.1	107.1	115.7	119.4	120.8	120.9
19179	83.1	86.6	96.1	119.0	120.5	131.4	136.6	138.6	135.3	138.9
19180	90.5	89.5	97.7	97.5	101.7	107.7	107.6	107.8	106.5	108.7
19181	83.4	84.2	95.8	98.4	103.7	103.9	112.9	105.5	110.5	118.1
19182	108.1	72.0	93.0	92.7	105.2	108.9	108.6	102.6	110.5	119.9
19183	92.4	92.9	93.0	92.8	102.9	107.2	119.1	123.6	124.2	125.9
19184	102.1	102.9	108.8	106.1	109.0	109.0	114.8	114.9	122.2	120.4
19185	98.8	99.7	99.9	109.8	115.4	118.2	114.8	118.9	116.2	120.4
19186	94.0	95.5	98.8	101.5	104.5	108.2	84.6	110.2	111.8	121.5
19187	90.8	90.9	98.8	96.7	96.4	95.1	115.3	118.5	122.8	118.7
19188	90.8	90.9	100.6	107.7	110.9	113.6	121.8	125.5	129.7	132.8
19189	90.5	95.6	103.0	107.6	107.2	116.7	121.8	125.5	129.7	132.8
19190	82.0	84.3	84.8	84.7	89.8	93.1	91.3	95.5	98.2	93.4
19191	90.9	86.9	87.3	57.5	86.0	98.0	101.4	103.6	111.4	115.2
19192	90.9	86.9	87.3	57.5	86.0	98.0	101.4	103.6	111.4	115.2
19193	85.5	112.5	91.7	93.5	100.0	101.5	103.4	108.4	112.5	120.2
19194	103.9	87.8	113.6	118.0	121.0	124.1	128.0	134.3	120.2	121.1
19195	95.7	90.5	98.8	101.5	102.7	106.0	84.8	76.7	94.8	100.8
19196	75.9	86.2	93.3	91.3	100.4	103.0	94.7	90.4	106.5	110.7
19197	105.7	111.0	105.0	98.4	117.4	112.9	103.1	103.4	119.3	112.0
19198	93.7	88.0	99.2	96.6	101.5	102.2	103.1	103.9	105.1	99.7
19199	93.0	94.0 ^a	97.8	101.2	106.5	108.7	110.5 ^b	113.8 ^b	116.5 ^b	115.9 ^b
19200	92.2	97.7	12.2	13.6	11.2	12.1	13.1	14.4	13.3	14.1
Mean	92.2	97.7	12.2	13.6	11.2	12.1	13.1	14.4	13.3	14.1
SD	49	48	40	40	48	48	48	48	48	48

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 6 FEMALES

ORIGINAL NUMBER	11 ^c	12	13	14	15	16	17	18	22	26
19150	---	129.3	133.0	136.8	138.0	137.4	135.7	134.7	132.5	120.1
19151	---	133.0	136.3	140.3	137.2	141.1	137.1	139.8	130.4	135.6
19152	---	137.5	142.0	147.6	141.1	145.9	138.5	139.8	105.6	100.2
19153	---	138.0	143.1	148.9	140.9	149.9	119.8	120.7	111.6	126.0
19154	---	135.0	140.5	143.8	142.3	149.7	149.2	150.7	140.7	151.1
19155	---	137.0	143.1	147.9	146.6	150.6	150.4	155.6	140.7	116.5
19156	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	120.7	87.1
19157	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	106.9
19158	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19159	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19160	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19161	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19162	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19163	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19164	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19165	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19166	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19167	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19168	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19169	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19170	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19171	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19172	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19173	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19174	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19175	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19176	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19177	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19178	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19179	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19180	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19181	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19182	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19183	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19184	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19185	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19186	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19187	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19188	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19189	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19190	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19191	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19192	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19193	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19194	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19195	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19196	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19197	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
19198	---	141.4	147.7	151.3	146.6	154.1	154.6	156.0	112.2	139.4
19199	---	140.9	146.9	150.9	147.2	152.0	152.3	156.0	112.2	132.0
MEAN	---	118.6 ^b	120.5 ^a	121.7 ^a	121.9 ^a	123.0	123.0 ^a	123.7	123.9	118.9
S.D.	---	13.1	14.4	14.7	15.9	16.3	15.7	15.4	19.9	18.3
H	---	48	48	48	48	48	48	48	48	48

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station.

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS -
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 6 FEMALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
19150	113.0	108.5	111.0	108.0	114.1	109.6	111.9	120.4	118.2	107.8
19151	127.8	120.8	119.1	111.0	114.7	107.3	109.9	120.1	101.8	117.1
19152	195.1	100.8	97.3	100.1	97.6	99.5	101.4	102.1	101.9	92.9
19153	121.0	120.6	116.7	114.2	115.4	112.0	114.9	113.1	108.8	119.5
19154	132.8	123.9	119.3	112.9	108.4	118.7	119.5	123.7	129.1	125.5
19155	103.8	93.2	102.4	105.1	101.0	101.1	100.9	105.4	103.9	103.5
19156	86.5	94.3	106.6	116.4	114.9	119.9	120.0	119.9	125.1	124.0
19158	99.5	115.3	119.9	112.4	118.7	122.0	120.0	119.9	125.1	124.0
19159	133.9	115.3	105.6	108.7	80.0	81.2	60.5	114.6	115.6	120.5
19160	118.3	113.3	103.6	108.7	101.1	113.7	117.9	110.1	106.5	118.8
19161	99.0	100.8	101.2	100.9	101.1	113.7	103.3	102.7	108.5	112.5
19162	126.2	114.3	114.4	116.8	111.9	100.6	103.2	134.3	133.7	139.4
19163	92.4	98.0	88.8	89.1	100.0	100.6	103.0	145.0	133.7	139.4
19164	123.1	120.6	123.5	126.2	133.3	115.4	112.6	111.6	133.7	139.4
19165	112.4	104.6	127.0	108.9	101.9	108.4	98.8	143.7	133.7	139.4
19166	112.4	113.3	112.6	122.7	125.2	103.7	131.1	113.7	113.5	123.2
19167	159.9	151.9	131.3	122.7	125.2	103.7	131.1	113.7	113.5	123.2
19168	159.9	151.9	131.3	122.7	125.2	103.7	131.1	113.7	113.5	123.2
19169	109.3	95.3	99.2	99.2	99.5	94.8	103.4	110.1	95.2	109.2
19170	130.3	132.8	112.5	124.3	122.3	127.7	109.1	121.6	123.0	124.9
19171	121.8	118.4	114.3	113.2	112.9	113.6	113.6	123.8	123.0	124.9
19172	108.8	114.0	116.7	113.2	112.9	113.6	113.6	123.8	123.0	124.9
19173	124.7	125.5	126.2	130.4	127.0	123.4	117.4	123.7	123.0	124.9
19174	109.3	106.9	112.5	100.3	107.9	106.7	93.5	103.7	97.3	98.7
19175	119.7	116.4	114.2	112.5	114.2	111.8	112.5	115.0	115.6	114.0
19176	89.4	95.5	93.7	94.0	98.1	95.8	94.0	92.9	88.9	95.5
19177	137.6	138.1	132.0	131.5	127.8	130.1	127.0	130.4	138.6	129.0
19178	164.6	173.6	198.8	185.4	195.5	196.1	186.0	194.1	181.9	175.3
19179	123.4	123.7	125.8	124.1	117.5	95.8	101.5	98.2	97.3	97.3
19180	111.3	104.0	101.2	104.1	107.7	101.6	101.6	108.8	94.9	94.9
19181	101.9	102.9	100.4	104.2	106.4	102.9	100.6	98.7	94.9	94.9
19182	113.4	89.2	108.3	111.6	111.3	116.8	123.2	115.9	118.6	119.0
19183	122.2	109.1	77.8	103.9	110.9	114.3	111.4	108.6	118.2	117.9
19184	119.6	117.9	116.8	105.5	127.8	121.4	129.3	128.4	115.6	83.3
19185	137.3	138.8	119.7	139.7	107.6	97.9	101.1	85.6	115.6	83.3
19187	114.0	110.6	109.8	103.2	107.6	97.9	101.1	85.6	115.6	83.3
19188	163.5	183.4	192.5	181.9	173.9	173.9	203.5	216.2	219.0	113.2
19189	140.9	132.0	123.6	120.4	129.7	129.2	85.8	110.3	110.4	113.2
19190	136.9	134.5	132.2	132.2	129.7	129.2	85.8	110.3	110.4	113.2
19191	81.5	77.8	81.4	81.9	92.9	96.7	90.9	92.9	99.1	99.1
19192	124.0	119.4	118.8	118.1	119.4	124.1	123.8	126.6	127.1	127.1
19193	123.4	114.2	100.4	104.9	105.4	109.3	99.8	102.4	75.9	75.9
19194	131.8	139.1	134.6	133.6	126.1	135.7	135.9	141.1	135.6	142.1
19195	86.4	90.4	104.5	110.1	113.3	112.4	106.5	110.0	105.2	103.4
19196	123.2	126.3	126.8	105.1	119.2	120.6	116.8	116.3	115.8	123.0
19197	117.7	113.3	112.2	102.2	115.3	106.8	101.9	94.6	119.1	93.1
19198	98.0	103.4	97.0	90.2	98.6	104.4	69.6	98.3	84.1	84.4
19199	116.3	113.9	112.4	111.0	112.8	112.1	110.3	115.3	113.9	112.0
MEAN	18.3	19.1	17.9	15.6	14.6	15.7	21.7	24.0	24.0	17.7
S.D.	4.7	4.7	4.6	4.5	4.4	4.3	4.2	4.1	3.8	3.2

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 6 FEMALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102
19150	99.2	145.1	131.8	100.1	139.5	172.2			
19151	127.9	165.1							
19152	105.1								
19153	106.9	85.6							
19154	114.5	120.2							
19155									
19156	104.5	103.2	104.4	111.5	109.1	99.0			
19157									
19158	139.4	130.2	126.1						
19159									
19160									
19161									
19162									
19163	118.9	124.6	112.6	121.4	112.5	120.2	126.9	121.3	124.6
19164	110.2	113.9	101.5	101.5	105.9				
19165	122.6								
19166	141.6	155.4	147.5						
19167	95.7	105.7							
19168									
19169	105.0	112.0	109.7	103.5	75.0	90.8			
19170	127.4	124.8							
19171									
19172	101.5								
19173	35.4	89.7	84.6	87.4	86.3				
19174	119.1	105.2	109.6	92.6					
19175	103.7	111.7	103.7	115.5					
19176	134.4	137.1	119.6						
19177	100.9	106.5	106.6	106.9	107.4	113.8	111.3	111.5	106.5
19178									
19179									
19180									
19181									
19182									
19183	125.7	126.7	80.4						
19184	125.0	131.1	126.2	109.6	107.5				
19185									
19186									
19187									
19188									
19189	204.4	176.8	177.0	134.3					
19190	182.2								
19191									
19192	103.0	105.0	88.7						
19193									
19194	120.0	136.1	131.1	121.1	112.8	105.4	97.9		
19195	104.5	111.3	110.9	115.1	113.4	113.7	114.7	100.3	102.4
19196									
19197	92.3	126.3	109.3	103.5					
19198	73.0	90.2	85.0						
19199									
MEAN	116.7	120.1	113.4	107.0	106.9	116.6	112.7	111.0	111.2
S.D.	29.4	20.3	21.8	12.0	17.1	26.4	11.9	10.5	11.8
N	30	25	21	14	10	7	4	3	3

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 7 FEMALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
17250	97.3	101.3	106.9	110.7	119.4	131.5	137.9	142.1	144.8	147.1
17251	101.2	107.1	111.8	110.2	121.7	127.7	129.0	132.1	133.4	135.7
17252	96.9	98.1	100.7	109.6	114.9	118.3	126.5	132.1	136.4	141.9
17253	94.2	84.0	98.3	98.0	101.8	101.2	104.5	104.1	107.4	109.7
17254	94.7	97.3	101.8	103.4	114.0	115.0	112.8	120.8	118.5	120.8
17255	86.8	89.0	96.5	99.8	107.2	113.2	115.0	112.0	117.3	114.0
17256	100.3	99.8	102.5	103.3	107.2	109.0	111.0	112.0	114.0	103.0
17257	86.4	86.4	92.6	92.4	98.1	97.9	99.4	100.7	97.2	99.8
17258	72.5	81.6	87.1	89.3	104.2	106.5	108.5	111.9	116.8	116.3
17259	80.1	82.5	87.4	89.6	92.4	94.5	95.4	89.6	91.4	91.4
17260	80.4	82.5	87.4	89.6	92.4	94.5	95.4	89.6	91.4	91.4
17261	80.4	82.5	87.4	89.6	92.4	94.5	95.4	89.6	91.4	91.4
17262	80.4	82.5	87.4	89.6	92.4	94.5	95.4	89.6	91.4	91.4
17263	101.3	100.6	106.1	112.2	111.9	112.9	118.4	122.1	119.8	117.0
17264	101.3	100.6	106.1	112.2	111.9	112.9	118.4	122.1	119.8	117.0
17265	101.8	100.1	110.5	116.3	123.3	121.5	123.3	128.8	130.5	130.1
17266	81.4	85.0	94.4	100.2	102.4	102.0	102.0	101.1	95.1	102.1
17267	103.4	99.0	103.3	108.5	113.3	119.9	118.5	177.8	83.6	88.2
17268	92.7	92.7	91.8	97.5	101.6	102.1	99.3	105.3	102.8	99.8
17269	91.3	91.3	91.8	96.4	102.5	108.9	108.4	103.2	113.0	116.1
17270	83.2	78.7	88.5	96.4	102.5	106.0	105.0	106.8	113.2	115.4
17271	74.5	81.1	81.4	84.9	89.1	94.3	77.3	92.6	98.5	95.2
17272	98.1	107.5	101.5	105.8	111.7	114.1	116.5	115.3	116.4	113.0
17273	67.6	84.9	89.6	91.7	85.6	100.6	114.0	110.9	115.0	120.0
17274	94.6	74.7	96.8	91.7	93.9	107.4	103.6	103.3	108.6	106.5
17275	100.2	100.2	114.2	100.0	101.8	102.4	106.4	111.1	108.5	111.1
17276	95.1	100.2	105.9	123.1	118.5	118.1	120.9	131.3	127.5	130.2
17277	87.1	87.1	105.9	103.5	110.4	111.2	114.5	113.3	117.6	120.1
17278	88.2	85.1	100.8	92.7	94.3	97.5	98.9	96.1	96.5	102.1
17279	99.2	99.8	104.3	101.6	105.0	109.8	110.6	117.9	112.4	117.2
17280	84.2	90.9	94.3	96.7	99.4	100.8	106.5	111.6	112.4	120.0
17281	92.0	89.1	91.4	96.1	94.2	98.5	99.7	99.5	105.6	111.2
17282	88.9	78.2	88.2	93.2	95.8	99.8	103.4	108.8	133.5	143.2
17283	103.5	97.6	104.3	110.2	109.8	117.0	121.3	134.1	123.3	129.2
17284	104.5	90.6	106.3	115.4	120.2	124.1	125.4	136.0	113.4	112.7
17285	102.3	107.0	113.9	106.3	110.0	112.7	127.9	146.0	113.4	112.7
17286	91.1	95.4	95.5	107.7	110.0	118.1	110.2	117.7	118.3	130.9
17287	91.6	97.2	96.4	101.7	104.3	102.7	103.3	104.2	101.3	103.2
17288	96.8	97.2	96.4	101.2	108.9	109.0	110.4	115.4	117.4	114.1
17289	97.0	83.8	95.1	96.6	98.7	83.4	110.4	108.6	108.6	119.6
17290	94.4	100.8	95.1	101.2	98.9	105.2	110.4	115.4	117.4	113.4
17291	94.4	89.3	89.0	93.8	98.7	83.4	110.4	108.6	108.6	119.6
17292	92.7	97.5	93.7	96.9	100.5	105.2	110.4	115.4	117.4	113.4
17293	103.5	103.8	115.9	122.2	125.7	130.4	138.7	141.5	137.2	140.8
17294	82.2	82.2	95.9	95.9	104.6	93.3	113.2	115.3	115.3	118.0
17295	79.8	80.0	90.4	92.3	90.1	93.7	95.7	102.7	102.7	104.7
17296	89.1	87.5	92.4	93.2	88.7	103.1	105.7	104.9	119.3	123.1
17297	89.1	87.5	92.4	93.2	88.7	103.1	105.7	104.9	119.3	123.1
17298	89.1	87.5	92.4	93.2	88.7	103.1	105.7	104.9	119.3	123.1
17299	89.1	87.5	92.4	93.2	88.7	103.1	105.7	104.9	119.3	123.1
17300	89.1	87.5	92.4	93.2	88.7	103.1	105.7	104.9	119.3	123.1
MEAN	92.4	92.6	97.7	101.0	104.0	107.8	109.2	112.1	114.0	114.9
S.D.	5.0	8.1	8.6	10.0	10.9	10.7	13.0	13.5	14.4	14.5
N	50	50	50	50	50	50	50	50	50	50

a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 7 FEMALES

ANIMAL NUMBER	11 ^c	12	13	14	15	16	17	18	22	26
12550	---	152.9	138.4	134.5	132.2	133.3	152.6	153.6	136.3	121.1
12551	---	129.4	136.6	132.3	134.2	135.3	135.6	135.6	135.3	135.3
12552	---	147.2	148.8	145.2	145.9	146.1	146.1	148.8	139.9	132.8
12553	---	116.0	111.1	114.1	114.1	115.2	116.1	113.8	119.8	112.4
12554	---	126.4	126.4	124.3	122.8	122.0	122.0	121.4	125.0	134.4
12555	---	121.5	119.4	118.0	117.9	118.4	118.4	122.9	125.0	128.4
12556	---	113.9	118.1	120.1	121.0	120.5	120.9	124.9	122.3	128.4
12557	---	108.7	104.4	109.3	109.1	108.7	108.7	104.9	104.9	108.7
12558	---	119.8	118.9	120.3	115.9	117.3	117.4	117.4	114.2	108.7
12559	---	133.8	128.8	130.2	130.8	131.3	131.3	131.3	131.3	131.3
12560	---	106.8	109.5	106.3	104.0	109.1	111.0	106.7	118.3	108.4
12561	---	94.6	98.7	98.7	100.2	104.8	105.8	105.8	109.3	107.0
12562	---	105.2	114.1	112.4	114.2	117.6	118.4	118.7	112.9	110.1
12563	---	122.0	125.4	124.6	124.6	127.0	126.4	124.5	132.3	123.3
12564	---	121.0	129.9	123.2	126.9	130.0	135.0	126.0	142.6	123.3
12565	---	130.1	131.7	131.2	126.3	130.0	127.4	124.9	127.1	122.9
12566	---	107.5	110.2	105.1	102.9	104.9	109.8	100.7	80.7	93.1
12567	---	112.5	123.1	122.0	119.3	126.4	133.9	123.5	126.2	120.6
12568	---	106.9	111.0	113.3	114.1	116.2	119.5	119.7	127.0	123.9
12569	---	114.3	120.6	123.3	120.8	121.8	124.8	123.5	131.1	121.9
12570	---	116.5	118.4	119.0	116.2	116.4	116.1	113.4	113.4	109.4
12571	---	93.0	92.6	89.4	87.7	84.5	81.1	81.9	87.6	87.4
12572	---	106.8	109.9	108.0	105.6	108.3	108.7	110.6	110.0	111.8
12573	---	120.7	127.2	125.4	121.3	129.0	126.6	126.6	128.4	129.0
12574	---	106.6	116.9	111.0	109.2	110.2	111.0	104.8	104.5	110.3
12575	---	112.6	119.4	120.7	118.6	122.4	122.5	120.1	120.1	110.3
12576	---	112.9	125.8	124.8	126.4	126.3	128.1	127.0	127.6	120.4
12577	---	117.2	123.7	123.2	123.7	127.7	129.7	127.7	128.5	127.6
12578	---	104.1	110.6	108.4	106.9	108.4	108.2	108.0	121.8	121.1
12579	---	127.0	128.3	127.0	128.8	126.7	127.9	131.3	131.3	132.2
12580	---	111.0	110.5	114.8	111.4	116.5	113.3	115.5	128.1	126.3
12581	---	102.7	102.5	100.8	97.3	98.9	99.6	101.2	100.8	97.1
12582	---	117.6	116.0	91.2	74.5	98.2	99.6	101.2	100.8	97.1
12583	---	144.9	146.4	146.4	147.6	147.6	147.6	152.5	152.5	139.1
12584	---	151.7	151.9	151.9	148.9	150.2	149.8	148.4	148.4	131.4
12585	---	133.5	137.0	134.4	133.3	139.9	132.7	133.9	126.1	131.4
12586	---	130.6	131.9	133.0	138.9	134.9	131.8	138.9	138.9	133.7
12587	---	115.1	113.7	114.0	113.1	117.5	95.7	69.6	69.6	95.6
12588	---	129.8	133.0	136.3	133.9	137.6	138.3	138.0	140.3	140.3
12589	---	103.2	108.7	112.8	110.4	113.7	108.2	108.6	140.3	140.3
12590	---	116.9	119.6	117.6	119.3	121.3	119.2	119.2	118.9	117.5
12591	---	105.8	117.3	120.7	120.7	124.1	122.1	122.1	125.7	124.7
12592	---	118.4	135.9	120.8	118.9	120.2	118.2	118.2	114.7	101.2
12593	---	126.5	148.7	120.8	129.9	120.4	124.4	148.8	123.4	136.0
12594	---	134.4	148.0	150.7	145.7	150.4	148.8	148.8	145.7	130.2
12595	---	119.5	125.3	133.8	140.2	140.2	143.1	143.1	133.7	142.5
12596	---	99.7	120.9	115.7	124.6	124.6	123.7	123.4	115.1	111.6
12597	---	91.3	113.6	115.7	124.6	124.6	123.7	123.4	115.1	111.6
12598	---	114.7	114.7	119.3	118.6	126.0	127.7	127.7	141.6	135.2
12599	---	117.6	119.5	119.7	118.6	121.7	120.3	119.8	120.9	118.9
MEAN	---	150	147	159	166	160	173	184	188	152
S.D.	---	50	50	50	50	49	49	49	49	49
N	---	50	50	50	50	49	49	49	49	49

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

^c Weights not taken due to breakdown of automatic weighing station

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 7 FEMALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
19230	112.0	108.0	108.6	114.1	121.1	114.3	86.2	110.2	106.2	133.1
19231	140.8	136.6	125.4	124.3	124.5	123.7	90.8	123.6	121.6	123.1
19232	127.9	119.8	118.2	115.3	114.6	89.0	105.2	106.1	120.5	123.4
19233	111.8	110.8	111.0	106.4	105.4	112.1	78.1	107.9	115.3	123.5
19234	135.7	127.9	118.1	115.9	125.3	106.4	72.7	114.5	113.1	134.1
19235	138.7	131.0	128.6	124.2	116.8	120.9	87.7	116.8	119.5	131.3
19236	124.1	124.5	124.8	126.0	130.8	133.4				
19237	124.3	116.6	102.6	94.5	94.5					
19238	94.8	91.5	94.2	90.8	103.2	79.1	80.8	77.9	96.7	98.6
19239	98.0	101.5	99.7	103.7	102.8	109.0	107.6	102.8	116.9	79.8
19240	107.0	102.3	102.4	95.6	100.0	101.3	99.0	106.0	119.8	109.7
19241	111.9	107.0	103.3	103.1	104.1	104.3	108.3	110.9	91.6	98.0
19242	124.1	117.8	109.1	110.0	104.1	111.1	65.2	83.4		
19243	118.5	105.3	100.4	95.1	103.6	109.9	99.6	99.6	86.9	
19244	125.9	115.2	101.4	110.3	106.5	111.1	73.2	109.5	121.6	124.0
19245	122.7	118.1	111.4	110.7	111.8	111.3	93.1	117.4	111.6	108.1
19246	123.1	128.2	129.0	112.8	121.5	120.9	103.7	104.4	132.9	125.4
19247	123.6	127.9	127.0	125.7	129.5	127.0	126.0	119.0	132.7	127.2
19248	121.1	120.9	117.0	116.6	111.0	113.0	75.2	118.9	135.7	124.6
19249	102.5	110.6	106.5	108.7	111.8	107.8	75.0	102.3	107.8	123.8
19250	102.5	109.7	104.7	109.6	109.1	104.8	67.0	114.4	107.9	103.7
19251	106.3	102.5	103.4	102.2	109.6	109.8	67.1	117.6	132.3	118.2
19252	100.3	87.2	104.2	125.1	119.8	123.5	112.8	125.9	114.5	118.1
19253	107.4	107.4	103.3	110.5	110.1	109.0	69.3	106.9	114.5	94.8
19254	103.3	107.4	103.3	110.5	110.1	109.0	69.3	106.9	114.5	106.8
19255	130.0	118.3	86.2	114.4	101.7	116.5	102.9	126.2	127.7	126.7
19256	122.7	126.2	129.0	118.7	121.9	120.9	97.3	109.7	133.2	93.4
19257	127.4	127.4	122.7	122.7	122.5	120.9	78.0	120.0	123.5	123.5
19258	125.0	125.0	119.0	121.5	125.7	125.8	112.0	118.1	115.6	116.2
19259	124.0	125.0	119.0	102.0	100.3	106.8	103.0	62.6		
19260	99.7	100.4	95.6							
19261	135.6	137.7	113.1	111.0	108.6	110.0	114.2	119.3	131.6	129.5
19262	124.0	126.8	124.1	127.1	126.3	124.5	122.8	124.0	117.2	128.7
19263	126.4	121.3	109.8	107.7	111.0	101.0	111.3	113.1	120.3	112.5
19264	115.3	117.4	109.8	109.8	111.0	101.0	101.3	98.9	106.3	105.0
19265	88.9	96.6	89.4	91.9	99.6	101.3	104.4	103.7	102.9	78.9
19266	140.8	139.8	133.1	121.3	115.8	113.0	103.6	111.7	120.6	127.4
19267	123.1	119.6	111.1	111.1	107.9	112.3	103.6	111.7	120.6	127.4
19268	118.9	117.4	113.0	117.4	114.9	102.2	106.9	117.8	122.6	132.6
19269	118.2	138.3	125.9	129.7	131.7	117.4	109.7	126.1	134.2	
19270	128.4	111.5	113.5	111.3	108.8	104.8	105.5	111.7	97.6	
19271	126.5	128.2	119.8	117.9	117.6	122.5	117.1	116.2	121.0	127.8
19272	126.9	126.4	123.4	127.4	130.6	88.0	75.7	112.9	120.7	130.7
19273	141.3	144.9	125.8	131.9	136.6	127.6	118.3	127.9	131.1	115.5
19274	111.3	113.5	107.5	109.6	109.8	112.6	106.3	108.0	112.2	104.8
19275	111.7	104.3	114.6	114.5	112.6	117.7	112.7	125.0	73.7	
19276	111.7	104.3	114.6	114.5	112.6	117.7	112.7	125.0	73.7	
19277	111.7	104.3	114.6	114.5	112.6	117.7	112.7	125.0	73.7	
19278	122.4	110.5	120.9	117.0	94.5	115.4	112.3	112.8	114.9	120.4
19279	117.6	115.8	110.9	111.5	112.2	111.4	98.2	111.5	115.0	115.8
19280	14.7	14.4	13.3	11.1	10.9	10.9	15.2	12.8	15.0	15.8
19281	49	48	46	46	46	45	45	45	42	36

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 7 FEMALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102
1250	75.0	120.4	130.3	---	---	---	---	---	---
1251	---	---	---	---	---	---	---	---	---
1252	118.5	106.5	---	---	---	---	---	---	---
1253	126.1	128.1	131.4	130.1	100.3	---	---	---	---
1254	126.5	104.6	122.9	127.8	110.4	121.8	125.7	120.5	129.9
1255	164.4	---	---	---	---	---	---	---	---
1256	---	---	---	---	---	---	---	---	---
1257	110.2	117.7	114.2	119.6	119.6	117.2	119.7	110.9	102.5
1258	---	---	---	---	---	---	---	---	---
1259	105.3	85.5	103.8	111.9	114.6	---	---	---	---
1260	89.2	94.0	---	---	---	---	---	---	---
1261	---	---	---	---	---	---	---	---	---
1262	---	---	---	---	---	---	---	---	---
1263	106.5	---	---	---	---	---	---	---	---
1264	107.8	---	---	---	---	---	---	---	---
1265	118.0	111.3	110.1	108.8	110.6	91.7	99.1	93.3	---
1266	128.2	---	---	---	---	---	---	---	---
1267	129.7	---	---	---	---	---	---	---	---
1268	129.9	125.4	123.3	126.6	129.8	130.5	---	---	---
1269	127.5	130.1	123.5	120.9	---	---	---	---	---
1270	127.4	127.7	98.1	102.0	102.8	102.5	103.1	96.3	96.9
1271	127.0	104.6	94.3	98.8	79.2	91.8	88.8	83.0	79.5
1272	127.1	122.3	123.5	112.0	---	---	---	---	---
1273	145.4	132.3	135.9	137.8	135.3	130.2	144.1	---	---
1274	84.7	85.3	---	---	---	---	---	---	---
1275	109.7	116.2	116.7	116.0	116.2	113.8	114.7	104.6	---
1276	131.6	---	---	---	---	---	---	---	---
1277	---	---	---	---	---	---	---	---	---
1278	106.5	116.7	109.2	113.3	113.1	104.8	98.1	---	---
1279	---	---	---	---	---	---	---	---	---
1280	124.3	122.7	120.1	107.8	---	---	---	---	---
1281	---	---	---	---	---	---	---	---	---
1282	---	---	---	---	---	---	---	---	---
1283	130.5	110.1	108.2	104.9	88.1	---	---	---	---
1284	---	---	---	---	---	---	---	---	---
1285	130.7	---	---	---	---	---	---	---	---
1286	115.4	110.0	113.3	131.3	---	---	---	---	---
1287	105.4	81.1	---	---	---	---	---	---	---
1288	---	---	---	---	---	---	---	---	---
1289	120.2	116.6	114.2	115.8	119.7	99.8	---	---	---
1290	135.8	124.4	97.9	121.3	126.1	114.2	114.9	117.1	123.3
1291	---	---	---	---	---	---	---	---	---
1292	---	---	---	---	---	---	---	---	---
1293	131.8	119.1	120.6	122.1	---	---	---	---	---
1294	130.8	124.2	144.4	---	---	---	---	---	---
1295	132.4	122.2	---	---	---	---	---	---	---
1296	---	---	---	---	---	---	---	---	---
1297	---	---	---	---	---	---	---	---	---
1298	---	---	---	---	---	---	---	---	---
1299	119.1	---	---	---	---	---	---	---	---
MEAN	118.3	112.7	116.6	117.3	111.8	110.8	109.8	103.7	106.4
S.E.	16.0	14.7	13.8	10.6	15.4	13.8	21.1	13.6	20.4
N	33	26	21	19	14	11	9	7	5



APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 8 FEMALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
19330	100.5	98.4	100.4	102.1	106.3	109.4	115.7	112.1	119.3	121.7
19331	75.0	90.8	92.7	100.2	103.5	106.6	109.9	107.4	105.7	106.6
19332	75.0	91.3	93.8	95.6	98.0	101.2	103.4	102.7	104.4	108.2
19333	78.7	84.9	91.8	102.8	107.5	121.0	126.5	123.4	126.4	128.7
19334	80.4	85.4	92.6	91.5	91.5	87.0	89.1	86.8	88.0	101.9
19335	80.4	83.3	85.6	81.0	81.1	101.3	104.7	106.8	108.4	111.1
19336	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19337	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19338	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19339	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19340	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19341	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19342	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19343	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19344	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19345	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19346	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19347	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19348	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19349	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19350	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19351	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19352	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19353	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19354	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19355	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19356	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19357	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19358	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
19359	80.4	81.2	87.9	106.5	108.1	115.1	120.8	120.8	120.8	120.8
MEAN	91.7	93.2	98.8	102.8	105.4	108.6	114.4	115.7	118.3	120.5
S.E.	7.9	8.1	7.8	10.4	12.0	12.2	11.9	12.1	14.1	13.8
N	48	48	48	48	48	48	48	48	48	48

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	11 ^c	GROUP 8 FEMALES									
		12	13	14	15	16	17	18	22	26	
19350	----	157.6	160.3	164.1	164.6	164.8	168.3	162.5	153.5	140.9	
19351	----	104.9	103.5	106.4	104.6	107.8	108.4	109.4	115.6	118.7	
19352	----	135.6	134.5	135.6	134.6	133.2	131.5	131.2	132.4	124.1	
19353	----	116.4	110.1	114.8	110.6	112.4	108.5	140.2	139.1	134.8	
19354	----	117.6	117.3	115.3	110.8	108.6	108.5	116.8	119.3	105.8	
19355	----	135.1	136.4	136.9	141.5	114.5	138.0	118.4	115.0	106.1	
19356	----	148.0	147.1	145.0	142.3	142.0	140.3	141.8	144.8	136.1	
19357	----	122.8	119.9	123.5	118.5	117.3	117.4	117.3	116.0	138.0	
19358	----	138.2	133.1	137.5	134.5	137.0	137.7	139.2	134.9	118.7	
19359	----	115.0	114.9	113.8	111.0	107.0	107.7	109.4	114.2	104.5	
19360	----	99.8	101.2	102.4	101.0	99.5	98.4	101.8	99.8	106.3	
19361	----	118.7	120.6	117.7	114.2	115.9	114.6	110.7	117.1	96.0	
19362	----	121.6	112.9	111.0	110.5	112.0	115.1	119.7	125.6	111.3	
19363	----	117.9	112.9	115.4	110.6	112.0	115.8	121.5	125.1	128.5	
19364	----	135.4	134.8	136.4	134.3	141.1	142.8	132.5	126.6	126.4	
19365	----	94.8	103.7	110.3	111.6	111.9	115.8	121.0	125.1	119.5	
19366	----	117.7	116.0	117.9	117.5	118.2	117.7	108.9	107.4	117.4	
19367	----	122.1	116.6	118.8	117.5	113.8	109.6	141.3	133.1	95.4	
19368	----	142.2	139.1	141.4	136.4	140.8	145.8	141.9	134.0	122.2	
19369	----	131.2	131.2	128.4	136.7	136.4	137.2	142.3	132.7	122.7	
19370	----	125.4	125.6	122.8	118.2	116.0	112.0	111.6	107.7	106.8	
19371	----	128.4	125.6	122.1	117.6	116.0	110.8	111.6	107.7	99.1	
19372	----	126.1	123.3	124.1	122.9	120.7	120.3	121.2	113.3	115.5	
19373	----	147.4	147.5	151.3	149.9	144.0	141.1	140.0	138.1	115.7	
19374	----	137.5	147.5	151.3	149.9	144.0	141.1	140.0	138.1	115.7	
19375	----	129.6	133.9	136.5	130.8	134.0	130.4	129.7	128.7	121.9	
19376	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19377	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19378	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19379	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19380	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19381	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19382	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19383	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19384	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19385	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19386	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19387	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19388	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19389	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19390	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19391	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19392	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19393	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19394	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19395	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19396	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19397	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19398	----	120.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
19399	----	129.6	125.5	127.0	120.9	128.4	125.0	123.7	121.9	124.6	
MEAN	----	124.3	122.9	123.9	123.0 ^a	122.7	123.5	122.2	122.2 ^a	115.9 ^a	
S.D.	----	13.4	15.1	15.5	15.4	14.6	15.8	15.4	14.7	14.5	
N	----	48	48	48	48	48	48	48	48	48	

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons
^c Weights not taken due to breakdown of automatic weighing station.

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 8 FEMALES

ANIMAL NUMBER	30	34	38	42	46	50	54	58	62	66
13350	127.4	134.5	132.3	133.0	126.3	125.3	114.7	108.3	94.8	---
13351	106.7	105.8	109.2	102.6	120.7	117.8	114.0	119.9	---	---
13352	102.5	94.5	100.1	93.0	94.6	84.5	94.7	101.4	104.0	101.6
13353	122.5	120.8	121.4	116.3	114.4	114.8	110.2	117.8	123.3	101.0
13354	129.8	132.5	117.8	133.7	118.1	118.2	119.4	118.0	108.9	107.3
13355	102.6	96.0	73.0	98.6	97.5	97.7	107.6	97.1	---	105.2
13356	106.1	107.8	106.9	101.8	80.7	87.6	101.9	102.0	---	---
13357	116.1	---	---	---	---	---	---	---	---	---
13358	133.9	133.2	118.0	108.8	112.4	120.0	133.5	131.5	124.4	98.8
13359	91.0	84.0	86.9	98.1	98.4	106.0	94.7	116.3	120.8	118.3
13360	118.3	106.7	102.2	104.3	112.3	---	---	---	---	---
13361	100.4	102.3	102.2	84.2	107.4	106.6	114.2	109.9	123.4	122.1
13362	---	---	---	---	---	---	---	---	---	---
13363	92.3	90.8	54.9	78.3	84.4	83.5	---	---	---	---
13364	114.1	104.2	66.3	95.3	---	---	---	---	---	---
13365	122.8	120.7	88.3	110.4	117.2	117.4	124.7	---	---	---
13366	109.7	95.8	106.7	105.4	107.4	105.8	108.9	108.9	117.7	117.7
13367	128.6	124.7	93.9	101.2	107.4	102.5	95.4	129.5	129.5	---
13368	116.8	121.3	116.7	116.7	115.4	107.0	115.4	116.4	122.5	122.7
13369	118.9	112.6	86.0	113.4	114.0	120.5	149.0	---	---	---
13370	118.5	116.7	116.5	---	---	---	---	---	---	---
13371	92.4	87.3	59.1	85.5	89.7	90.2	79.0	98.0	109.1	102.8
13372	117.4	126.8	72.5	119.4	123.3	128.1	125.9	126.3	122.1	---
13373	117.4	116.5	116.0	118.0	114.7	107.3	109.4	114.2	115.1	123.8
13374	99.4	104.0	106.4	107.5	78.9	66.0	76.3	105.9	109.6	96.2
13375	106.4	107.1	109.2	105.2	111.6	97.1	87.4	106.8	112.5	112.7
13376	111.4	115.3	112.1	111.6	109.8	104.2	103.4	102.8	83.0	99.5
13377	112.9	114.5	114.3	109.7	113.7	111.8	109.2	111.0	126.8	134.0
13378	120.8	126.9	120.0	113.7	118.7	119.3	98.9	126.0	135.1	139.6
13379	117.8	107.6	68.7	---	---	---	---	---	---	---
13380	125.7	128.6	118.3	118.4	110.7	111.9	116.6	---	---	---
13381	105.2	96.7	115.8	103.2	112.2	115.8	105.4	124.0	134.9	---
13382	123.5	127.1	118.2	112.6	115.4	95.4	---	---	---	---
13383	122.0	124.4	118.2	117.5	115.4	98.1	97.8	109.1	109.1	101.8
13384	108.2	107.4	105.9	107.5	84.7	110.6	110.3	111.8	116.0	118.7
13385	107.4	107.0	107.3	107.1	107.7	105.4	103.9	105.9	106.2	100.4
13386	137.4	136.9	127.7	109.1	87.7	97.4	106.2	135.7	136.2	144.2
13387	131.3	148.3	132.7	103.3	80.3	106.3	131.4	131.4	139.0	---
13388	141.3	141.3	141.7	141.9	142.3	137.4	138.8	133.6	---	---
13389	141.3	141.3	141.7	141.9	142.3	137.4	138.8	133.6	---	---
13390	128.7	138.3	124.5	124.7	125.2	124.9	128.1	118.5	100.9	91.7
13391	126.6	136.6	124.4	124.6	125.2	124.9	128.1	118.5	128.5	131.3
13392	126.6	136.6	124.4	124.6	125.2	124.9	128.1	118.5	128.5	131.3
13393	121.0	136.6	124.4	124.6	125.2	124.9	128.1	118.5	128.5	131.3
13394	121.0	136.6	124.4	124.6	125.2	124.9	128.1	118.5	128.5	131.3
13395	121.0	136.6	124.4	124.6	125.2	124.9	128.1	118.5	128.5	131.3
13396	121.0	136.6	124.4	124.6	125.2	124.9	128.1	118.5	128.5	131.3
13397	121.0	136.6	124.4	124.6	125.2	124.9	128.1	118.5	128.5	131.3
13398	121.0	136.6	124.4	124.6	125.2	124.9	128.1	118.5	128.5	131.3
13399	101.9	103.0	99.1	92.8	86.8	95.7	101.3	103.7	107.7	105.0
MEAN	114.1 ^a	113.1	102.3 ^b	107.1 ^b	105.6	106.8	108.1	112.8	117.0	112.7
S.D.	12.8	15.3	20.3	12.6	15.7	14.4	16.2	19.8	13.1	14.9
N	47	46	44	42	41	40	38	35	30	27

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP B FEMALES								
	70	74	78	82	85	90	94	98	102
17350									
17352	106.6	106.2	98.5	103.4	81.7	85.2			
17353	120.8	126.2							
17354	106.4								
17355	134.3	111.6	108.1	101.2	113.4	99.4	92.7	84.4	95.9
17356									
17357									
17358									
17359	116.4	122.1	127.2	121.2	81.4				
17360									
17361	112.1	114.4	115.2	115.6	118.6	110.8	85.7		
17362									
17363									
17364									
17365									
17366									
17367	119.3	122.7	83.5						
17368									
17369	122.5	121.9	113.5	119.8	93.5	108.8	104.4		
17370									
17371	106.2	89.5	97.1	104.4	101.6	96.9	82.5		
17372									
17373	100.7								
17374	108.6	117.7	121.8	99.9	95.3				
17375	118.1	91.4	95.7	114.2	89.5				
17376	106.9	104.6	91.3	97.5	90.0				
17377									
17378	73.1								
17379	141.7	143.7							
17380									
17381									
17382									
17383									
17384									
17385	107.1	110.9	107.3	103.6	106.7				
17386									
17387	105.2	118.6	107.5	94.6	109.5	85.4			
17388	150.1	130.9	140.9	127.6	135.4	122.3	124.8		
17389	144.9	145.4	134.9	136.4	137.7	133.9	133.9	132.2	
17390									
17391									
17392	129.5	132.9	125.9						
17393									
17394	98.6	102.3	100.3	77.1	109.4	100.3	85.7	92.3	100.1
17395	108.1	120.2							
17396	99.9	116.9	93.6	113.9					
17397									
17398	99.7	115.6	109.9	115.1	114.9	115.9	114.7	108.3	118.9
17399									
MEAN	113.2	117.4	109.6	110.3	105.2	105.9	103.1	104.3	105.0
S.D.	16.5	16.0	15.8	12.0	17.3	15.6	19.6	21.1	15.6
N	24	21	18	16	15	10	8	4	3

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APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 9 FEMALES

ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
19450	97.1	98.5	102.1	105.7	105.0	114.9	123.0	121.5	128.8	127.3
19451	90.5	91.5	97.5	91.3	92.8	96.2	107.7	107.3	109.7	114.9
19452	102.0	99.9	97.7	98.2	99.8	104.2	125.7	113.0	111.2	119.6
19453	91.4	99.9	108.0	115.7	115.7	122.7	98.5	123.4	115.6	105.5
19454	104.0	98.0	99.8	114.8	117.2	93.5	121.5	123.4	114.0	116.6
19455	97.0	98.8	99.2	100.2	103.1	103.3	110.2	107.3	114.5	111.4
19456	98.7	97.3	97.8	95.6	95.0	100.7	104.0	107.3	107.8	111.4
19457	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19458	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19459	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19460	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19461	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19462	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19463	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19464	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19465	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19466	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19467	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19468	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19469	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19470	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19471	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19472	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19473	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19474	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19475	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19476	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19477	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19478	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19479	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19480	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19481	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19482	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19483	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19484	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19485	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19486	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19487	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19488	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19489	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19490	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19491	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19492	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19493	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19494	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19495	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19496	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19497	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19498	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
19499	93.6	95.8	97.2	101.8	109.9	103.5	109.0	115.7	118.9	116.4
MEAN	94.4	95.1	96.0	100.6	101.3	106.7	110.7	113.3	114.9	119.4
S.D.	6.0	5.9	10.8	8.3	10.2	10.3	10.9	10.5	11.7	11.9
N	47	47	47	47	47	47	47	47	47	47

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

GROUP 9 FEMALES

a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

c Weights not taken due to breakdown of automatic weighing station.

GROUP 9 FEMALES

^b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 9 FEMALES							
	70	74	76	82	85	90	94	98
19450	---	---	---	---	---	---	---	---
19451	108.1	---	---	---	---	---	---	---
19452	---	---	---	---	---	---	---	---
19453	132.5	134.4	131.3	132.8	133.6	131.9	125.9	109.0
19454	135.0	129.9	---	---	---	---	---	---
19455	---	---	---	---	---	---	---	---
19456	---	---	---	---	---	---	---	---
19457	121.7	125.4	122.3	119.9	114.6	119.6	---	---
19458	---	---	---	---	---	---	---	---
19459	---	---	---	---	---	---	---	---
19460	---	---	---	---	---	---	---	---
19461	---	---	---	---	---	---	---	---
19462	---	---	---	---	---	---	---	---
19463	111.7	110.2	80.6	75.7	---	---	---	---
19464	---	---	---	---	---	---	---	---
19465	---	---	---	---	---	---	---	---
19466	---	---	---	---	---	---	---	---
19467	---	---	---	---	---	---	---	---
19468	---	---	---	---	---	---	---	---
19469	---	---	---	---	---	---	---	---
19470	103.7	101.1	---	---	---	---	---	---
19471	---	---	---	---	---	---	---	---
19472	102.3	93.5	83.8	---	---	---	---	---
19473	124.1	130.0	127.7	130.0	132.3	133.5	130.4	116.8
19474	105.0	108.0	109.2	104.4	101.4	95.8	105.7	104.7
19475	---	---	---	---	---	---	---	---
19476	104.6	99.9	---	---	---	---	---	---
19477	128.4	108.8	---	---	---	---	---	---
19478	132.5	126.4	125.9	84.4	---	---	---	---
19479	---	---	---	---	---	---	---	---
19480	---	---	---	---	---	---	---	---
19481	---	---	---	---	---	---	---	---
19482	---	---	---	---	---	---	---	---
19483	---	---	---	---	---	---	---	---
19484	123.6	122.4	123.2	122.8	126.6	127.9	---	---
19485	---	---	---	---	---	---	---	---
19486	127.3	120.3	116.2	111.5	113.4	108.6	---	---
19487	---	---	---	---	---	---	---	---
19488	---	---	---	---	---	---	---	---
19489	---	---	---	---	---	---	---	---
19490	---	---	---	---	---	---	---	---
19491	---	---	---	---	---	---	---	---
19492	131.8	104.6	98.8	---	---	---	---	---
19493	---	---	---	---	---	---	---	---
19494	111.8	76.2	78.9	96.7	99.3	99.4	94.3	---
19495	119.7	119.8	---	---	---	---	---	---
19496	---	---	---	---	---	---	---	---
19497	---	---	---	---	---	---	---	---
19498	118.5	103.7	---	---	---	---	---	---
19499	112.8	---	---	---	---	---	---	---
19500	123.0	120.9	123.5	121.3	124.3	118.8	123.0	100.6
19501	---	---	---	---	---	---	---	---
MEAN	117.1	113.5	110.1	110.0	118.2	116.7	115.7	107.8
S.D.	11.6	15.4	19.6	19.3	13.2	14.4	15.1	6.9
N	20	10	12	10	8	8	9	4

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APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 10 FEMALES									
	1	2	3	4	5	6	7	8	9	10
19500	102.7	107.4	113.4	115.4	120.7	131.4	134.7	137.1	139.9	144.3
19501	136.8	107.8	110.8	104.1	106.9	127.0	128.3	129.4	129.3	144.0
19502	99.0	107.5	108.8	115.4	120.3	128.0	135.7	135.1	138.2	144.0
19503	99.4	107.4	110.8	108.6	109.2	125.0	135.0	135.0	138.2	144.0
19504	99.4	107.4	110.8	108.6	109.2	125.0	135.0	135.0	138.2	144.0
19505	85.5	101.4	111.4	108.1	107.4	105.9	118.0	120.0	124.1	133.1
19506	92.4	98.5	105.7	101.4	103.6	109.7	118.0	120.0	124.1	133.1
19507	82.1	98.5	105.7	101.4	103.6	109.7	118.0	120.0	124.1	133.1
19508	92.4	100.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19509	100.9	107.4	113.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19510	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19511	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19512	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19513	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19514	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19515	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19516	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19517	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19518	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19519	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19520	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19521	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19522	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19523	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19524	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19525	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19526	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19527	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19528	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19529	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19530	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19531	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19532	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19533	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19534	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19535	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19536	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19537	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19538	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19539	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19540	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19541	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19542	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19543	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19544	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19545	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19546	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19547	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19548	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19549	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19550	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19551	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19552	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19553	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19554	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19555	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19556	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19557	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19558	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19559	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19560	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19561	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19562	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19563	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19564	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19565	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19566	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19567	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19568	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19569	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
19570	97.1	101.4	107.4	104.7	107.8	112.3	120.7	122.3	125.3	131.9
MEAN	95.2	98.2	106.8	105.0	108.9	113.9	117.0	119.4 ^a	122.3	125.8
SD	17.5	8.6	9.5	9.6	9.0	10.2	11.5	11.1	12.0	12.3
N	17	17	17	17	17	17	17	17	17	17

^a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

GROUP 10 FEMALES

REAN.
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c Weights not taken due to breakdown of automatic weighing station.

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APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 10 FEMALES									
	30	34	38	42	46	50	54	58	62	66
19550	135.3	138.2	129.6	127.6	132.5	137.4	134.0	137.5	144.9	147.8
19551	101.6	108.6	104.8	109.5	107.1	107.4	91.4	112.9	118.1	117.8
19552	101.1	107.2	89.9	84.7	96.2	92.4	91.2	96.1	97.3	91.5
19553	77.2	111.7	115.7	122.5	120.2	126.5	112.6	126.0	100.2	81.6
19554	124.0	116.8	120.4	118.1	117.9	119.1	129.2	129.6	128.2	128.6
19555	126.4	126.8	126.4	119.2	117.7	101.1	169.2	169.2	168.7	
19556	105.5	108.7	98.3	102.1	104.9	98.5	101.0	119.8	120.4	126.5
19557	87.7	85.3	94.2	102.1	104.7	108.0	103.9	107.9	107.9	116.8
19558	84.9	88.1	84.9	85.0	86.3	82.9	88.6	84.7	92.5	95.8
19559	110.4	110.8	121.3	120.1	124.6	130.0	82.6	131.2	137.3	133.1
19560	129.7	126.2	126.6	120.1	116.0	123.1	108.1	128.7	130.0	130.7
19561	120.7	116.7	122.5	111.8	112.9	119.6	109.6	107.9	118.7	117.0
19562	119.4	121.9	118.0	109.6	113.0	119.6	79.5	107.9	118.7	
19563	111.2	105.3	84.3	99.2	102.9	107.6	102.8	107.9	118.7	
19564	121.8	121.7	119.3	110.0	106.1	99.6	98.1	106.0	120.4	138.8
19565	109.7	108.0	98.2	101.7	115.4	116.2	118.3	108.0	120.4	132.2
19566	142.9	131.2	104.4	109.5	123.9	124.7	131.7	126.5	125.8	
19567	120.0	121.0	106.1	113.5	116.2	117.0	118.4	99.9	78.7	100.0
19568	118.0	108.9	102.7	107.3	105.2	103.1	101.1	105.4	113.4	109.4
19569	137.7	137.7	126.7	123.3	120.8	119.9	117.8	104.2	110.0	109.5
19570	139.0	139.0	108.6	105.2	110.9	108.7	108.4	111.8	108.8	110.3
19571	112.0	109.7	105.4	114.9	112.7	109.9	118.1	119.4	123.7	122.3
19572	102.0	97.4	96.0	98.4	101.3	99.0	53.0	90.7	59.8	
19573	111.8	114.3	110.0	117.2	116.4	120.5	117.7	119.7	124.0	129.0
19574	99.0	100.9	102.1	101.9	98.7	100.0	100.0	100.0	124.0	
19575	87.7	90.7	84.6	91.6	79.6	81.1	87.4	90.0	93.6	98.2
19576	132.1	117.9	103.2	106.8	111.0	104.0	119.5	130.0	146.6	136.6
19577	115.2	115.2	103.3	97.2	102.4	101.9	106.0	112.5	113.3	119.8
19578	128.1	130.2	119.8	122.1	116.1	115.4	120.8	127.4	125.8	134.2
19579	110.3	109.0	103.4	105.1	100.0	98.0	99.1	102.2	95.4	
19580	118.6	117.4	118.4	116.4	116.5	121.4	117.8	119.7	120.7	117.1
19581	98.5	111.5	104.6	104.5	106.7	104.5	174.0	105.2	103.5	104.9
19582	120.3	110.3	100.9	113.1	117.4	106.8	81.5	117.5	127.3	128.5
19583	146.1	148.7	140.1	125.2	128.0	126.7	130.0	132.4	129.1	111.0
19584	138.1	120.5	104.9	113.5	117.2	120.4	122.4	129.7	129.7	128.9
19585	145.0	145.2	142.0	149.8	157.1	148.2	145.4	113.1	110.7	112.7
19586	110.7	107.7	103.6	106.3	112.5	103.4	104.8	115.0	110.0	120.1
19587	113.4	104.4	93.8	100.5	105.0	104.3	111.8	115.7	123.0	114.0
19588	118.7	119.0	115.7	116.9	117.9	111.4	118.6	116.3	124.0	118.9
19589	124.7	124.7	124.6	119.1	129.8	111.4	99.4	101.4	106.0	114.5
19590	125.8	107.8	98.4	93.8	87.5	94.5	106.1	114.4	113.6	117.3
19591	115.2	115.0	106.6	110.2	110.4	110.2	106.1	114.4	113.6	117.3
19592	14.8	14.8	17.3	12.4	15.9	13.9	18.6	12.8	19.1	13.6
19593	45	43	45	41	41	39	38	37	37	32
19594	105.8	107.8	98.4	93.8	87.5	94.5	106.1	114.4	113.6	117.3
19595	115.2	115.0	106.6	110.2	110.4	110.2	106.1	114.4	113.6	117.3
19596	14.8	14.8	17.3	12.4	15.9	13.9	18.6	12.8	19.1	13.6
19597	45	43	45	41	41	39	38	37	37	32
19598	105.8	107.8	98.4	93.8	87.5	94.5	106.1	114.4	113.6	117.3
19599	115.2	115.0	106.6	110.2	110.4	110.2	106.1	114.4	113.6	117.3

a Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

b Weight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 10 FEMALES

ANIMAL NUMBER	70	74	78	82	85	90	94	98	102
19550	131.5	120.4	118.0	126.0	122.3	109.9	95.5		
19551	91.8								
19552									
19553	122.7								
19554									
19555	121.2	127.8	125.8	126.3	131.5	123.7			
19556	167.8								
19557	91.8	91.0	93.0	103.1	111.0	104.9			
19558									
19559									
19560									
19561	123.2	90.1	82.8	71.4					
19562									
19563									
19564									
19565	116.2	86.4	102.5						
19566	155.3	134.9	132.7	121.0	98.0	113.7	113.0	111.0	
19567	117.9	115.9	95.4						
19568									
19569	129.3	112.5	108.5	116.4	122.8	113.7	113.7	105.2	113.9
19570	107.2	111.2	90.5	110.2	107.3				
19571									
19572									
19573	110.2	151.5							
19574	123.0	119.8							
19575									
19576									
19577									
19578									
19579	25.8	74.5	86.5	97.1	94.6	101.2			
19580	123.1	199.8	195.7	197.2	115.7				
19581	122.6								
19582									
19583									
19584									
19585	121.7	68.8							
19586	108.2								
19587	122.5	128.6	125.9	101.3	93.0				
19588									
19589	132.1	131.1	130.0	130.8	135.0	130.6	124.4		
19590	108.5	112.5	105.7	109.7					
19591	120.8	136.5	130.5	132.6	136.1	108.1			
19592	111.3	113.8	115.8	78.1					
19593									
19594	106.3	108.5							
19595									
19596	107.7	102.8	103.2	94.3	89.2				
19597									
MEAN	117.4	116.2	114.3	114.2	110.1	113.2	111.7	108.1	113.9
S.E.	12.4	25.3	26.5	29.4	19.8	9.7	12.0	4.1	0.0
N	26	22	17	15	13	8	4	2	1

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APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 11 FEMALES										
ANIMAL NUMBER	1	2	3	4	5	6	7	8	9	10
19450	94.0	93.7	92.3	95.9	101.0	109.1	112.4	114.6	115.5	118.0
19451	105.0	107.5	111.7	117.9	119.7	129.4	134.0	136.0	141.4	144.0
19452	94.0	97.4	100.3	105.3	102.7	107.5	115.7	111.6	113.1	116.7
19453	95.0	95.5	94.3	97.7	104.3	100.0	101.6	102.7	109.4	113.7
19454	95.0	97.5	94.3	91.6	102.8	93.8	112.4	113.0	118.8	119.4
19455	102.0	100.5	104.3	112.3	120.4	124.9	130.1	130.1	132.8	135.8
19456	97.0	100.6	104.4	108.4	103.3	101.4	117.6	110.3	113.8	118.0
19457	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19458	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19459	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19460	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19461	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19462	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19463	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19464	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19465	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19466	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19467	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19468	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19469	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19470	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19471	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19472	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19473	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19474	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19475	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19476	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19477	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19478	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19479	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19480	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19481	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19482	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19483	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19484	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19485	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19486	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19487	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19488	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19489	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19490	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19491	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19492	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19493	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19494	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19495	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19496	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19497	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19498	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19499	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
19500	97.0	107.4	117.4	125.4	124.7	127.8	134.3	140.1	140.8	144.0
MEAN	95.6	97.7	100.6	104.4 ^a	107.3 ^b	112.2	116.5 ^a	118.5 ^b	120.3 ^a	123.2 ^a
SD	7.7	8.7	7.7	10.1	10.8	12.6	13.4	14.3	15.3	16.2
N	45	46	45	46	46	46	46	46	46	46

^aWeight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^bWeight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

GROUP 11 FEMALES

ANIMAL NUMBER	11 ^c	12	13	14	15 ^c	16	17	18	22	26
19650	---	121.7	123.8	125.3	---	127.3	123.8	123.7	127.5	120.4
19652	---	111.5	145.9	142.3	---	140.3	143.5	138.6	129.9	127.9
19653	---	117.8	119.0	116.4	---	140.3	125.5	116.4	110.8	101.1
19654	---	118.1	134.2	132.9	---	140.3	133.7	138.5	110.4	118.7
19655	---	113.4	113.4	118.1	---	120.4	122.7	122.6	119.5	122.7
19656	---	117.1	118.4	127.0	---	137.9	116.0	121.1	123.1	122.1
19657	---	115.2	120.1	121.7	---	137.9	123.4	126.0	127.3	121.6
19658	---	110.5	114.3	115.2	---	112.6	114.4	124.5	127.0	121.2
19659	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19660	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19661	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19662	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19663	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19664	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19665	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19666	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19667	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19668	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19669	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19670	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19671	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19672	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19673	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19674	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19675	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19676	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19677	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19678	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19679	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19680	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19681	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19682	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19683	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19684	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19685	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19686	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19687	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19688	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19689	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19690	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19691	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19692	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19693	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19694	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19695	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19696	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19697	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19698	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
19699	---	116.9	114.4	115.2	---	112.6	114.4	124.5	127.0	121.2
MEAN	---	124.8	127.3	127.4	---	128.7	129.8	128.6	127.6	121.9
S.D.	---	17.3	17.3	17.7	---	17.7	16.5	17.6	17.3	17.1
N	---	46	46	46	---	46	46	46	46	46

^cWeights not taken due to breakdown of automatic weighing station

GROUP 11 FEMALES

^aWeight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons

^bWeight change (weight at the given interval minus initial weight) significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons

APPENDIX 3B (Continued)
INDIVIDUAL AND MEAN BODY WEIGHTS
CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS
EFFLUENTS FROM IRON FOUNDRY CASTING OPERATIONS

ANIMAL NUMBER	GROUP 11 FEMALES									
	70	74	78	82	85	90	94	98	102	
19650	121.8	137.6	136.3	106.7	---	---	---	---	---	
19652	---	---	---	---	---	---	---	---	---	
19653	128.3	113.9	---	---	---	---	---	---	---	
19654	120.9	121.8	120.9	119.5	100.1	---	---	---	---	
19655	134.6	---	---	---	---	---	---	---	---	
19656	---	---	---	---	---	---	---	---	---	
19657	---	---	---	---	---	---	---	---	---	
19658	---	---	---	---	---	---	---	---	---	
19659	116.5	128.9	122.9	121.6	119.0	110.9	103.8	95.9	101.7	
19660	---	---	---	---	---	---	---	---	---	
19661	---	---	---	---	---	---	---	---	---	
19662	---	---	---	---	---	---	---	---	---	
19663	---	---	---	---	---	---	---	---	---	
19664	---	---	---	---	---	---	---	---	---	
19665	---	---	---	---	---	---	---	---	---	
19666	115.6	116.3	117.2	110.2	100.2	99.4	101.2	73.4	104.2	
19667	---	---	---	---	---	---	---	---	---	
19668	---	---	---	---	---	---	---	---	---	
19669	137.4	142.9	133.4	130.0	119.9	---	---	---	---	
19670	---	---	---	---	---	---	---	---	---	
19671	---	---	---	---	---	---	---	---	---	
19672	---	---	---	---	---	---	---	---	---	
19673	---	---	---	---	---	---	---	---	---	
19674	127.3	116.3	97.6	---	---	---	---	---	---	
19675	138.9	---	---	---	---	---	---	---	---	
19676	119.5	120.9	108.7	87.2	---	---	---	---	---	
19677	---	---	---	---	---	---	---	---	---	
19678	---	---	---	---	---	---	---	---	---	
19679	130.7	134.1	134.5	136.4	136.5	124.5	---	---	---	
19680	---	---	---	---	---	---	---	---	---	
19681	127.1	127.5	95.3	---	---	---	---	---	---	
19682	---	---	---	---	---	---	---	---	---	
19683	---	---	---	---	---	---	---	---	---	
19684	120.4	112.1	---	---	---	---	---	---	---	
19685	112.9	---	---	---	---	---	---	---	---	
19686	---	---	---	---	---	---	---	---	---	
19687	---	---	---	---	---	---	---	---	---	
19688	---	---	---	---	---	---	---	---	---	
19689	91.4	---	---	---	---	---	---	---	---	
19690	96.7	137.1	---	---	---	---	---	---	---	
19691	---	---	---	---	---	---	---	---	---	
19692	107.4	84.8	---	---	---	---	---	---	---	
19693	---	---	---	---	---	---	---	---	---	
19694	---	---	---	---	---	---	---	---	---	
19695	---	---	---	---	---	---	---	---	---	
19696	114.4	---	---	---	---	---	---	---	---	
19697	123.1	127.2	126.2	128.8	173.9	---	---	---	---	
19698	114.6	111.1	110.1	109.1	98.0	---	---	---	---	
19699	117.9	115.6	125.8	125.8	---	---	---	---	---	
MEAN	120.4	121.8	119.1	117.4	121.1	111.6	102.5	94.7	103.0	
S.D.	12.4	14.0	13.7	14.6	27.2	12.6	1.8	15.9	1.8	
N	21	16	12	10	7	3	2	2	2	

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APPENDIX 4
STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
KEY TO GROUP IDENTIFICATION

<u>GROUP NUMBER</u>	<u>TREATMENT</u>	<u>DOSE LEVEL (mg/0.2 ml distilled water)</u>
1	Vehicle Control	--
2	Ferric Oxide Control (Fe_2O_3 + Vehicle)	3.0
3	Positive Control (BaP + Fe_2O_3)	3.0 + 3.0
4	Shell Sand	5.0
5	Shell Sand	10.0
6	Green Sand	5.0
7	Green Sand	10.0
8	Furan	5.0
9	Furan	10.0
10	Urethane	2.5
11	Urethane	5.0

APPENDIX 4
 STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 1 (INITIAL)^a

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    435.160   10   43.52      1.18  0.3012
*          WITHIN     19574.477  531   36.86
*****
```

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    956.227   10   95.62      1.59  0.1049
*          WITHIN     31256.859  521   59.99
*****
```

^a Similarity of initial (Week 1) body weights among groups of the same sex was assured by ANOVA.

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 2

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    1454.015  10   145.40     5.93  0.0000
*           WITHIN     13027.942  531   24.53
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	1.17	2	GROUP_2	-0.17	1.34	1.81	86.12	0.0736
1	GROUP_1	1.17	3	GROUP_3	-2.17	3.34	2.94	61.50	0.0046 *
1	GROUP_1	1.17	4	GROUP_4	-0.56	1.73	2.51	90.99	0.0137
1	GROUP_1	1.17	5	GROUP_5	-2.01	3.17	3.58	74.85	0.0006 **
1	GROUP_1	1.17	6	GROUP_6	-1.07	2.24	2.95	84.42	0.0041 *
1	GROUP_1	1.17	7	GROUP_7	-2.39	3.56	3.06	60.77	0.0032 *
1	GROUP_1	1.17	8	GROUP_8	-1.98	3.15	4.39	88.30	0.0000 **
1	GROUP_1	1.17	9	GROUP_9	-3.30	4.46	4.64	69.25	0.0000 **
1	GROUP_1	1.17	10	GROUP_10	2.44	-1.27	-2.19	95.70	0.0312
1	GROUP_1	1.17	11	GROUP_11	0.31	0.85	1.47	94.72	0.1441

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN     900.237  10   90.02     2.79  0.0022
*           WITHIN     16799.288  521   32.24
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	4.60	2	GROUP_2	2.88	1.72	1.85	93.53	0.0676
1	GROUP_1	4.60	3	GROUP_3	2.02	2.58	2.78	93.36	0.0066 *
1	GROUP_1	4.60	4	GROUP_4	0.14	4.46	3.65	85.85	0.0004 **
1	GROUP_1	4.60	5	GROUP_5	0.91	3.69	3.83	95.24	0.0002 **
1	GROUP_1	4.60	6	GROUP_6	1.04	3.56	2.89	83.81	0.0049 *
1	GROUP_1	4.60	7	GROUP_7	0.22	4.38	3.84	91.73	0.0002 **
1	GROUP_1	4.60	8	GROUP_8	1.55	3.05	2.36	80.45	0.0209
1	GROUP_1	4.60	9	GROUP_9	0.69	3.91	4.15	92.01	0.0001 **
1	GROUP_1	4.60	10	GROUP_10	3.02	1.58	1.69	91.59	0.0945
1	GROUP_1	4.60	11	GROUP_11	2.19	2.41	2.02	81.64	0.0470

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 3

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
* STANDARD  BETWEEN    1586.639  10  158.66      5.31  0.0000
*           WITHIN     15871.363  531  29.89
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	4.35	2	GROUP_2	1.85	2.50	2.31	85.29	0.0234
1	GROUP_1	4.35	3	GROUP_3	0.36	3.99	3.64	81.59	0.0005 **
1	GROUP_1	4.35	4	GROUP_4	2.24	2.11	2.41	95.96	0.0177
1	GROUP_1	4.35	5	GROUP_5	-1.32	5.67	5.32	86.45	0.0000 **
1	GROUP_1	4.35	6	GROUP_6	2.04	2.31	2.59	95.70	0.0111
1	GROUP_1	4.35	7	GROUP_7	1.24	3.11	2.67	77.74	0.0092
1	GROUP_1	4.35	8	GROUP_8	1.37	2.99	2.92	89.24	0.0044 *
1	GROUP_1	4.35	9	GROUP_9	-0.96	5.31	4.80	82.60	0.0000 **
1	GROUP_1	4.35	10	GROUP_10	4.26	0.09	0.11	95.44	0.9161
1	GROUP_1	4.35	11	GROUP_11	1.96	2.39	3.07	90.62	0.0029 *

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
* STANDARD  BETWEEN    2113.712  10  211.37      3.89  0.0000
*           WITHIN     28293.282  521  54.31
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	8.52	2	GROUP_2	4.98	3.54	2.67	93.17	0.0089
1	GROUP_1	8.52	3	GROUP_3	3.11	5.41	3.72	95.95	0.0003 **
1	GROUP_1	8.52	4	GROUP_4	3.27	5.26	3.96	92.57	0.0001 **
1	GROUP_1	8.52	5	GROUP_5	2.06	6.46	4.69	95.28	0.0000 **
1	GROUP_1	8.52	6	GROUP_6	4.80	3.72	2.10	83.41	0.0391
1	GROUP_1	8.52	7	GROUP_7	5.32	3.20	2.51	89.57	0.0137
1	GROUP_1	8.52	8	GROUP_8	7.17	1.35	0.89	92.84	0.3743
1	GROUP_1	8.52	9	GROUP_9	1.53	6.99	4.10	84.64	0.0001 **
1	GROUP_1	8.52	10	GROUP_10	5.61	2.92	2.05	93.00	0.0428
1	GROUP_1	8.52	11	GROUP_11	5.15	3.37	2.34	90.69	0.0215

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.23).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 4

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD  BETWEEN      2118.311  10  211.83      5.16  0.0000
*          WITHIN      21818.177  531  41.09
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	8.20	2	GROUP_2	4.70	3.50	2.66	85.51	0.0093
1	GROUP_1	8.20	3	GROUP_3	1.90	6.30	4.49	78.40	0.0000 **
1	GROUP_1	8.20	4	GROUP_4	4.74	3.46	3.29	96.00	0.0014 **
1	GROUP_1	8.20	5	GROUP_5	1.46	6.74	6.19	95.61	-0.0000 **
1	GROUP_1	8.20	6	GROUP_6	3.47	4.73	4.12	93.74	0.0001 **
1	GROUP_1	8.20	7	GROUP_7	3.71	4.49	3.25	79.28	0.0017 **
1	GROUP_1	8.20	8	GROUP_8	3.41	4.79	4.27	94.80	0.0000 **
1	GROUP_1	8.20	9	GROUP_9	2.98	5.22	4.40	90.79	0.0000 **
1	GROUP_1	8.20	10	GROUP_10	7.23	0.97	0.90	95.84	0.3699
1	GROUP_1	8.20	11	GROUP_11	5.62	2.58	2.48	94.97	0.0148

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD  BETWEEN      2874.404  10  287.44      3.63  0.0001
*          WITHIN      41241.404  521  79.16
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	14.01	2	GROUP_2	9.98	4.03	2.30	89.86	0.0239
1	GROUP_1	14.01	3	GROUP_3	6.51	7.50	3.91	95.64	0.0002 **
1	GROUP_1	14.01	4	GROUP_4	7.16	6.86	3.71	93.49	0.0004 **
1	GROUP_1	14.01	5	GROUP_5	5.86	8.15	4.26	95.60	0.0000 **
1	GROUP_1	14.01	6	GROUP_6	8.18	5.83	2.57	88.25	0.0117
1	GROUP_1	14.01	7	GROUP_7	8.57	5.44	3.31	80.78	0.0014 **
1	GROUP_1	14.01	8	GROUP_8	11.15	2.86	1.39	92.95	0.1693
1	GROUP_1	14.01	9	GROUP_9	6.14	7.88	4.46	88.82	0.0000 **
1	GROUP_1	14.01	10	GROUP_10	9.88	4.13	2.45	83.56	0.0163
1	GROUP_1	14.01	11	GROUP_11	8.91	5.11	2.81	89.56	0.0060 *

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 5

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD  BETWEEN    3394.952  10   339.50      6.19  0.0000
*          WITHIN    29130.271 531    54.86
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	11.73	2	GROUP_2	8.73	3.00	1.93	89.04	0.0566
1	GROUP_1	11.73	3	GROUP_3	3.26	8.47	4.99	80.06	0.0000 **
1	GROUP_1	11.73	4	GROUP_4	7.92	3.81	2.96	95.88	0.0039 *
1	GROUP_1	11.73	5	GROUP_5	3.80	7.93	6.18	95.82	-0.0000 **
1	GROUP_1	11.73	6	GROUP_6	7.46	4.27	3.03	94.46	0.0031 *
1	GROUP_1	11.73	7	GROUP_7	7.57	4.15	2.79	88.84	0.0064 *
1	GROUP_1	11.73	8	GROUP_8	7.85	3.88	2.75	94.20	0.0072 *
1	GROUP_1	11.73	9	GROUP_9	4.59	7.14	5.26	94.47	0.0000 **
1	GROUP_1	11.73	10	GROUP_10	10.52	1.21	0.91	95.97	0.3635
1	GROUP_1	11.73	11	GROUP_11	8.27	3.46	2.83	93.14	0.0056 *

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD  BETWEEN    5232.976  10   523.30      6.29  0.0000
*          WITHIN    43260.854 520    83.19
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	18.77	2	GROUP_2	12.79	5.98	3.13	88.98	0.0023 *
1	GROUP_1	18.77	3	GROUP_3	8.11	10.66	5.18	94.17	0.0000 **
1	GROUP_1	18.77	4	GROUP_4	11.13	7.64	3.89	91.48	0.0002 **
1	GROUP_1	18.77	5	GROUP_5	8.60	10.17	5.39	87.74	0.0000 **
1	GROUP_1	18.77	6	GROUP_6	13.49	5.29	2.56	93.51	0.0122
1	GROUP_1	18.77	7	GROUP_7	11.57	7.20	3.91	84.31	0.0002 **
1	GROUP_1	18.77	8	GROUP_8	13.77	5.00	2.17	92.22	0.0328
1	GROUP_1	18.77	9	GROUP_9	6.87	11.91	5.89	91.88	-0.0000 **
1	GROUP_1	18.77	10	GROUP_10	13.77	5.00	2.68	85.00	0.0088
1	GROUP_1	18.77	11	GROUP_11	11.83	6.94	3.57	88.07	0.0006 **

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 6

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN  4928.898  10  492.89      7.57  0.0000
*          WITHIN   34588.990  531  65.14
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	15.35	2	GROUP_2	12.16	3.19	1.93	94.03	0.0562
1	GROUP_1	15.35	3	GROUP_3	4.48	10.87	6.07	86.56	-0.0000 **
1	GROUP_1	15.35	4	GROUP_4	9.76	5.59	3.63	95.96	0.0004 **
1	GROUP_1	15.35	5	GROUP_5	6.55	8.80	6.75	85.27	-0.0000 **
1	GROUP_1	15.35	6	GROUP_6	10.37	4.98	3.38	95.57	0.0011 **
1	GROUP_1	15.35	7	GROUP_7	9.88	5.47	2.92	83.54	0.0045 *
1	GROUP_1	15.35	8	GROUP_8	11.25	4.10	2.65	95.92	0.0094
1	GROUP_1	15.35	9	GROUP_9	8.51	6.84	4.36	94.57	0.0000 **
1	GROUP_1	15.35	10	GROUP_10	14.63	0.72	0.49	95.41	0.6251
1	GROUP_1	15.35	11	GROUP_11	11.25	4.10	2.77	94.82	0.0068 *

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN  5398.894  10  539.89      5.05  0.0000
*          WITHIN   55589.969  520  106.90
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	22.29	2	GROUP_2	16.10	6.19	2.53	92.06	0.0130
1	GROUP_1	22.29	3	GROUP_3	10.83	11.46	4.62	92.58	0.0000 **
1	GROUP_1	22.29	4	GROUP_4	15.08	7.21	2.96	91.17	0.0039 *
1	GROUP_1	22.29	5	GROUP_5	11.22	11.07	5.03	77.92	0.0000 **
1	GROUP_1	22.29	6	GROUP_6	15.91	6.38	2.60	91.13	0.0108
1	GROUP_1	22.29	7	GROUP_7	15.40	6.89	3.18	74.86	0.0021 *
1	GROUP_1	22.29	8	GROUP_8	16.89	5.40	2.10	93.52	0.0383
1	GROUP_1	22.29	9	GROUP_9	12.23	10.07	4.41	82.99	0.0000 **
1	GROUP_1	22.29	10	GROUP_10	18.75	3.54	1.53	84.33	0.1288
1	GROUP_1	22.29	11	GROUP_11	16.77	5.52	2.35	85.44	0.0209

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 7

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 6126.681 10 612.67 7.40 0.0000
 * WITHIN 43957.491 531 82.78

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	18.82	2	GROUP_2	17.24	1.57	0.87	93.61	0.3852
1	GROUP_1	18.82	3	GROUP_3	8.49	10.32	4.45	74.98	0.0000 **
1	GROUP_1	18.82	4	GROUP_4	13.35	5.47	3.44	95.44	0.0009 **
1	GROUP_1	18.82	5	GROUP_5	8.76	10.06	6.40	95.06	-0.0000 **
1	GROUP_1	18.82	6	GROUP_6	13.77	5.04	3.09	95.95	0.0026 *
1	GROUP_1	18.82	7	GROUP_7	12.87	5.95	3.14	88.16	0.0023 *
1	GROUP_1	18.82	8	GROUP_8	14.65	4.17	2.19	90.66	0.0311
1	GROUP_1	18.82	9	GROUP_9	12.26	6.56	4.06	94.89	0.0001 **
1	GROUP_1	18.82	10	GROUP_10	19.02	-0.21	-0.13	95.18	0.8967
1	GROUP_1	18.82	11	GROUP_11	15.72	3.09	2.18	85.59	0.0323

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 7550.263 10 755.03 6.71 0.0000
 * WITHIN 58522.798 520 112.54

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	27.97	2	GROUP_2	21.83	6.14	2.76	85.87	0.0071 *
1	GROUP_1	27.97	3	GROUP_3	17.28	10.70	4.34	94.26	0.0000 **
1	GROUP_1	27.97	4	GROUP_4	18.40	9.57	4.05	91.86	0.0001 **
1	GROUP_1	27.97	5	GROUP_5	13.79	14.19	6.40	85.25	-0.0000 **
1	GROUP_1	27.97	6	GROUP_6	17.58	10.39	4.28	92.86	0.0000 **
1	GROUP_1	27.97	7	GROUP_7	16.78	11.20	4.96	87.73	0.0000 **
1	GROUP_1	27.97	8	GROUP_8	22.76	5.22	2.08	93.83	0.0402
1	GROUP_1	27.97	9	GROUP_9	16.29	11.69	5.03	89.35	0.0000 **
1	GROUP_1	27.97	10	GROUP_10	21.80	6.17	2.63	90.01	0.0100
1	GROUP_1	27.97	11	GROUP_11	21.05	6.92	2.95	88.75	0.0040 *

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA

CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 8

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 8050.267 10 805.03 8.89 0.0000
 * WITHIN 48057.786 531 90.50

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	23.75	2	GROUP_2	20.24	3.51	1.88	95.91	0.0627
1	GROUP_1	23.75	3	GROUP_3	9.70	14.05	6.12	82.40	-0.0000 **
1	GROUP_1	23.75	4	GROUP_4	14.74	9.01	4.95	95.97	0.0000 **
1	GROUP_1	23.75	5	GROUP_5	12.37	11.38	7.02	89.38	-0.0000 **
1	GROUP_1	23.75	6	GROUP_6	16.26	7.49	4.20	95.70	0.0001 **
1	GROUP_1	23.75	7	GROUP_7	15.26	8.49	4.00	87.72	0.0001 **
1	GROUP_1	23.75	8	GROUP_8	16.75	7.00	3.64	95.27	0.0004 **
1	GROUP_1	23.75	9	GROUP_9	13.95	9.80	5.33	94.98	-0.0000 **
1	GROUP_1	23.75	10	GROUP_10	21.14	2.60	1.46	95.75	0.1485
1	GROUP_1	23.75	11	GROUP_11	18.09	5.65	3.53	87.37	0.0007 **

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 7179.942 10 717.99 5.69 0.0000
 * WITHIN 65596.085 520 126.15

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	31.62	2	GROUP_2	24.61	7.01	2.93	94.73	0.0042 *
1	GROUP_1	31.62	3	GROUP_3	19.24	12.38	5.13	94.32	0.0000 **
1	GROUP_1	31.62	4	GROUP_4	20.35	11.27	4.56	94.87	0.0000 **
1	GROUP_1	31.62	5	GROUP_5	18.47	13.15	6.16	83.09	-0.0000 **
1	GROUP_1	31.62	6	GROUP_6	20.81	10.82	4.17	93.55	0.0001 **
1	GROUP_1	31.62	7	GROUP_7	19.65	11.97	5.23	91.72	0.0000 **
1	GROUP_1	31.62	8	GROUP_8	23.98	7.64	3.03	93.97	0.0032 *
1	GROUP_1	31.62	9	GROUP_9	18.85	12.78	5.62	89.38	0.0000 **
1	GROUP_1	31.62	10	GROUP_10	24.20	7.42	3.15	91.67	0.0022 *
1	GROUP_1	31.62	11	GROUP_11	23.24	8.38	3.51	90.64	0.0007 **

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 9

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 7381.178 10 738.12 8.18 0.0000
 * WITHIN 47922.058 531 90.25 *****

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	25.59	2	GROUP_2	23.59	2.00	1.05	95.19	0.2976
1	GROUP_1	25.59	3	GROUP_3	13.50	12.09	5.46	84.35	0.0000 **
1	GROUP_1	25.59	4	GROUP_4	17.88	7.71	4.42	95.26	0.0000 **
1	GROUP_1	25.59	5	GROUP_5	13.99	11.60	7.51	83.83	-0.0000 **
1	GROUP_1	25.59	6	GROUP_6	18.69	6.90	3.54	94.44	0.0006 **
1	GROUP_1	25.59	7	GROUP_7	17.96	7.63	3.73	89.45	0.0003 **
1	GROUP_1	25.59	8	GROUP_8	20.03	5.56	2.91	95.21	0.0045 *
1	GROUP_1	25.59	9	GROUP_9	17.04	8.54	4.94	94.21	0.0000 **
1	GROUP_1	25.59	10	GROUP_10	23.77	1.82	0.96	95.50	0.3381
1	GROUP_1	25.59	11	GROUP_11	20.40	5.19	3.19	90.09	0.0020 *

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 7857.519 10 785.75 5.75 0.0000
 * WITHIN 71098.929 520 136.73 *****

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	32.85	2	GROUP_2	27.43	5.42	2.28	92.24	0.0249
1	GROUP_1	32.85	3	GROUP_3	22.38	10.46	4.22	94.15	0.0001 **
1	GROUP_1	32.85	4	GROUP_4	21.66	11.19	4.40	94.86	0.0000 **
1	GROUP_1	32.85	5	GROUP_5	19.25	13.60	6.02	86.78	-0.0000 **
1	GROUP_1	32.85	6	GROUP_6	23.56	9.29	3.72	93.56	0.0003 **
1	GROUP_1	32.85	7	GROUP_7	20.56	12.29	4.80	95.87	0.0000 **
1	GROUP_1	32.85	8	GROUP_8	26.64	6.21	2.32	93.56	0.0225
1	GROUP_1	32.85	9	GROUP_9	20.49	12.36	5.11	91.44	0.0000 **
1	GROUP_1	32.85	10	GROUP_10	27.12	5.72	2.37	91.37	0.0198
1	GROUP_1	32.85	11	GROUP_11	24.91	7.94	3.19	90.86	0.0020 *

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 10

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 9413.711 10 941.37 8.30 0.0000
 * WITHIN 60217.612 531 113.40

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	27.58	2	GROUP_2	25.08	2.50	1.16	95.18	0.2472
1	GROUP_1	27.58	3	GROUP_3	15.21	12.37	5.40	89.51	0.0000 **
1	GROUP_1	27.58	4	GROUP_4	19.25	8.32	4.43	93.07	0.0000 **
1	GROUP_1	27.58	5	GROUP_5	14.21	13.37	7.46	88.48	-0.0000 **
1	GROUP_1	27.58	6	GROUP_6	20.75	6.83	3.08	93.98	0.0027 *
1	GROUP_1	27.58	7	GROUP_7	20.55	7.03	3.23	92.21	0.0017 *
1	GROUP_1	27.58	8	GROUP_8	21.73	5.85	2.76	95.48	0.0070 *
1	GROUP_1	27.58	9	GROUP_9	18.10	9.48	4.46	94.31	0.0000 **
1	GROUP_1	27.58	10	GROUP_10	27.21	0.37	0.18	95.91	0.8584
1	GROUP_1	27.58	11	GROUP_11	22.16	5.42	2.64	94.97	0.0096

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 10553.374 10 1055.34 7.44 0.0000
 * WITHIN 73658.459 519 141.92

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	36.13	2	GROUP_2	28.99	7.14	2.93	93.54	0.0043 *
1	GROUP_1	36.13	3	GROUP_3	24.85	11.27	4.57	93.59	0.0000 **
1	GROUP_1	36.13	4	GROUP_4	21.99	14.14	5.41	94.00	0.0000 **
1	GROUP_1	36.13	5	GROUP_5	20.34	15.79	6.68	91.12	-0.0000 **
1	GROUP_1	36.13	6	GROUP_6	22.92	13.20	5.16	93.88	0.0000 **
1	GROUP_1	36.13	7	GROUP_7	22.48	13.65	5.45	95.00	-0.0000 **
1	GROUP_1	36.13	8	GROUP_8	28.86	7.27	2.77	93.97	0.0068 *
1	GROUP_1	36.13	9	GROUP_9	25.02	11.10	4.59	91.10	0.0000 **
1	GROUP_1	36.13	10	GROUP_10	30.68	5.44	2.19	92.39	0.0313
1	GROUP_1	36.13	11	GROUP_11	28.50	7.63	2.93	90.87	0.0043 *

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 11^a

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 8114.930 4 2028.73 19.41 0.0000
 * WITHIN 25191.705 241 104.53

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	28.52	2	GROUP_2	26.31	2.21	1.02	95.90	0.3109
1	GROUP_1	28.52	3	GROUP_3	13.92	14.60	6.42	92.23	-0.0000 **
1	GROUP_1	28.52	4	GROUP_4	21.14	7.39	3.64	94.95	0.0004 **
1	GROUP_1	28.52	5	GROUP_5	15.38	13.14	7.15	86.02	-0.0000 **

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 6814.625 4 1703.66 10.40 0.0000
 * WITHIN 38832.105 237 163.85

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	36.40	2	GROUP_2	29.29	7.11	2.86	90.87	0.0052 *
1	GROUP_1	36.40	3	GROUP_3	24.04	12.36	4.73	93.88	0.0000 **
1	GROUP_1	36.40	4	GROUP_4	22.47	13.94	4.64	91.45	0.0000 **
1	GROUP_1	36.40	5	GROUP_5	22.64	13.76	5.52	89.58	-0.0000 **

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.44).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.00).

^a Week 11 body weights not measured for Groups 6 through 11 due to breakdown of automatic weighing station.

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 12

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 12417.398 10 1241.74 8.80 0.0000
 * WITHIN 36693.952 260 141.13

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	32.37	2	GROUP_2	30.36	2.01	0.67	46.88	0.5034
1	GROUP_1	32.37	3	GROUP_3	6.06	26.31	7.38	42.67	-0.0000 **
1	GROUP_1	32.37	4	GROUP_4	24.72	7.65	2.50	47.00	0.0159
1	GROUP_1	32.37	5	GROUP_5	15.87	16.50	6.31	41.58	-0.0000 **
1	GROUP_1	32.37	6	GROUP_6	23.34	9.02	2.36	41.85	0.0228
1	GROUP_1	32.37	7	GROUP_7	22.19	10.18	3.26	45.83	0.0021 **
1	GROUP_1	32.37	8	GROUP_8	23.85	8.52	2.79	47.00	0.0077 *
1	GROUP_1	32.37	9	GROUP_9	25.63	6.74	2.05	44.89	0.0467
1	GROUP_1	32.37	10	GROUP_10	27.37	4.99	1.39	43.83	0.1712
1	GROUP_1	32.37	11	GROUP_11	24.75	7.61	2.52	46.97	0.0151

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 5347.991 10 534.80 3.13 0.0009
 * WITHIN 43049.735 252 170.83

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	39.62	2	GROUP_2	30.42	9.20	2.43	44.85	0.0189
1	GROUP_1	39.62	3	GROUP_3	27.56	12.06	3.11	45.18	0.0033 *
1	GROUP_1	39.62	4	GROUP_4	26.69	12.93	3.11	46.99	0.0032 *
1	GROUP_1	39.62	5	GROUP_5	22.21	17.41	4.71	42.71	0.0000 **
1	GROUP_1	39.62	6	GROUP_6	27.26	12.37	3.70	35.79	0.0007 **
1	GROUP_1	39.62	7	GROUP_7	22.82	16.80	4.70	41.61	0.0000 **
1	GROUP_1	39.62	8	GROUP_8	32.18	7.44	1.77	45.94	0.0841
1	GROUP_1	39.62	9	GROUP_9	29.31	10.32	2.57	45.80	0.0133
1	GROUP_1	39.62	10	GROUP_10	30.69	8.93	2.06	44.45	0.0451
1	GROUP_1	39.62	11	GROUP_11	29.65	9.97	2.25	42.75	0.0294

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 13^a

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 12996.324 8 1624.54 9.78 0.0000
 * WITHIN 35216.619 212 166.12

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	36.91	2	GROUP_2	31.92	5.00	1.54	46.94	0.1291
1	GROUP_1	36.91	3	GROUP_3	7.31	29.60	7.64	42.36	-0.0000 **
1	GROUP_1	36.91	6	GROUP_6	26.05	10.86	2.95	45.22	0.0051 *
1	GROUP_1	36.91	7	GROUP_7	21.51	15.40	4.47	45.47	0.0001 **
1	GROUP_1	36.91	8	GROUP_8	24.42	12.49	3.85	46.96	0.0004 **
1	GROUP_1	36.91	9	GROUP_9	23.40	13.51	4.01	45.80	0.0002 **
1	GROUP_1	36.91	10	GROUP_10	29.41	7.50	2.08	45.76	0.0433
1	GROUP_1	36.91	11	GROUP_11	25.92	11.00	3.15	46.47	0.0028 *

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 5005.164 8 625.65 3.46 0.0009
 * WITHIN 37245.280 206 180.80

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	41.38	2	GROUP_2	31.81	9.56	2.49	43.44	0.0168
1	GROUP_1	41.38	3	GROUP_3	24.68	16.69	3.99	45.77	0.0002 **
1	GROUP_1	41.38	6	GROUP_6	29.11	12.26	3.38	38.93	0.0016 *
1	GROUP_1	41.38	7	GROUP_7	24.05	17.32	4.66	41.18	0.0000 **
1	GROUP_1	41.38	8	GROUP_8	30.66	10.71	2.54	45.89	0.0147
1	GROUP_1	41.38	9	GROUP_9	30.04	11.33	2.70	45.82	0.0097 *
1	GROUP_1	41.38	10	GROUP_10	32.17	9.20	2.03	44.44	0.0485
1	GROUP_1	41.38	11	GROUP_11	33.27	8.11	1.84	43.70	0.0727

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.65).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $>$ 3.19).

^a Week 13 body weights not measured for Groups 4 and 5 due to breakdown of automatic weighing station.

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 14

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 9595.909 10 959.59 5.67 0.0000
 * WITHIN 44027.684 260 169.34

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	34.29	2	GROUP_2	31.18	3.10	0.90	46.16	0.3740
1	GROUP_1	34.29	3	GROUP_3	10.89	23.40	5.40	42.43	0.0000 **
1	GROUP_1	34.29	4	GROUP_4	24.68	9.61	2.78	46.19	0.0079 *
1	GROUP_1	34.29	5	GROUP_5	19.38	14.90	4.34	46.00	0.0001 **
1	GROUP_1	34.29	6	GROUP_6	28.68	5.60	1.48	46.88	0.1455
1	GROUP_1	34.29	7	GROUP_7	22.09	12.20	3.20	45.68	0.0025 *
1	GROUP_1	34.29	8	GROUP_8	25.13	9.16	2.51	46.97	0.0155
1	GROUP_1	34.29	9	GROUP_9	23.17	11.12	3.11	45.92	0.0032 *
1	GROUP_1	34.29	10	GROUP_10	27.67	6.62	1.86	46.76	0.0692
1	GROUP_1	34.29	11	GROUP_11	27.83	6.46	1.74	46.99	0.0889

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 5638.406 10 563.84 3.17 0.0008
 * WITHIN 44849.220 252 177.97

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	41.61	2	GROUP_2	32.52	9.09	2.35	43.18	0.0235
1	GROUP_1	41.61	3	GROUP_3	27.17	14.44	3.51	45.27	0.0010 **
1	GROUP_1	41.61	4	GROUP_4	29.34	12.27	2.94	46.38	0.0052 *
1	GROUP_1	41.61	5	GROUP_5	23.06	18.56	4.73	42.93	0.0000 **
1	GROUP_1	41.61	6	GROUP_6	31.28	10.34	2.77	40.29	0.0083 *
1	GROUP_1	41.61	7	GROUP_7	25.48	16.13	4.33	40.51	0.0001 **
1	GROUP_1	41.61	8	GROUP_8	31.25	10.36	2.45	45.81	0.0183
1	GROUP_1	41.61	9	GROUP_9	30.76	10.85	2.57	45.74	0.0134
1	GROUP_1	41.61	10	GROUP_10	31.17	10.44	2.25	44.21	0.0293
1	GROUP_1	41.61	11	GROUP_11	34.44	7.18	1.65	43.93	0.1067

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 15^a

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 8901.685 8 1112.71 7.38 0.0000
 * WITHIN 31828.597 211 150.85

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	35.09	2	GROUP_2	31.35	3.74	1.03	45.89	0.3083
1	GROUP_1	35.09	3	GROUP_3	10.77	24.33	6.19	44.87	-0.0000 **
1	GROUP_1	35.09	4	GROUP_4	24.54	10.56	2.99	44.72	0.0045 *
1	GROUP_1	35.09	5	GROUP_5	20.09	15.00	4.17	45.54	0.0001 **
1	GROUP_1	35.09	6	GROUP_6	25.04	10.06	2.93	43.39	0.0055 *
1	GROUP_1	35.09	7	GROUP_7	22.09	13.00	3.41	45.96	0.0014 **
1	GROUP_1	35.09	8	GROUP_8	24.55	10.54	2.81	46.67	0.0072 *
1	GROUP_1	35.09	9	GROUP_9	22.40	12.69	3.40	45.72	0.0014 **

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 5950.280 8 743.79 3.83 0.0003
 * WITHIN 40581.874 209 194.17

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	42.63	2	GROUP_2	32.93	9.70	2.45	42.79	0.0183
1	GROUP_1	42.63	3	GROUP_3	25.50	17.13	3.58	45.36	0.0008 **
1	GROUP_1	42.63	4	GROUP_4	29.69	12.93	3.00	46.48	0.0043 *
1	GROUP_1	42.63	5	GROUP_5	25.23	17.39	4.23	43.73	0.0001 **
1	GROUP_1	42.63	6	GROUP_6	31.07	11.55	2.94	41.96	0.0053 *
1	GROUP_1	42.63	7	GROUP_7	25.26	17.37	4.47	41.61	0.0001 **
1	GROUP_1	42.63	8	GROUP_8	30.44	12.18	2.80	45.80	0.0075 *
1	GROUP_1	42.63	9	GROUP_9	26.43	16.19	3.66	45.96	0.0007 **

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.65).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.19).

^a Week 15 body weights not measured for Groups 10 and 11 due to breakdown of automatic weighing station.

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 16

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 9365.478 10 936.55 5.83 0.0000
 * WITHIN 41132.502 256 160.67

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	35.44	2	GROUP_2	31.02	4.43	1.10	43.59	0.2762
1	GROUP_1	35.44	3	GROUP_3	10.80	24.64	5.82	43.69	0.0000 **
1	GROUP_1	35.44	4	GROUP_4	25.84	9.61	2.42	42.96	0.0199
1	GROUP_1	35.44	5	GROUP_5	19.57	15.87	4.06	41.18	0.0002 **
1	GROUP_1	35.44	6	GROUP_6	27.08	8.36	2.17	40.79	0.0356
1	GROUP_1	35.44	7	GROUP_7	24.18	11.26	2.79	43.50	0.0079 *
1	GROUP_1	35.44	8	GROUP_8	26.04	9.40	2.29	44.70	0.0266
1	GROUP_1	35.44	9	GROUP_9	21.86	13.58	3.32	44.00	0.0018 **
1	GROUP_1	35.44	10	GROUP_10	27.44	8.00	1.96	44.49	0.0563
1	GROUP_1	35.44	11	GROUP_11	27.92	7.52	1.78	45.79	0.0811

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 5126.242 10 512.62 2.45 0.0084
 * WITHIN 52363.283 250 209.45

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	41.75	2	GROUP_2	31.46	10.29	2.62	43.09	0.0122
1	GROUP_1	41.75	3	GROUP_3	24.28	17.47	3.59	44.79	0.0008 **
1	GROUP_1	41.75	4	GROUP_4	29.89	11.86	2.75	46.67	0.0085 *
1	GROUP_1	41.75	5	GROUP_5	26.76	14.99	3.52	42.98	0.0010 **
1	GROUP_1	41.75	6	GROUP_6	31.53	10.22	2.67	41.09	0.0110
1	GROUP_1	41.75	7	GROUP_7	28.01	13.74	3.46	43.69	0.0012 **
1	GROUP_1	41.75	8	GROUP_8	30.39	11.36	2.66	45.65	0.0107
1	GROUP_1	41.75	9	GROUP_9	28.40	13.35	3.17	45.42	0.0028 *
1	GROUP_1	41.75	10	GROUP_10	34.18	7.57	1.57	43.71	0.1235
1	GROUP_1	41.75	11	GROUP_11	34.18	7.57	1.63	43.31	0.1097

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 17

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 7827.275 10 782.73 4.34 0.0000
 * WITHIN 46150.467 256 180.28

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	34.65	2	GROUP_2	29.15	5.50	1.28	46.69	0.2060
1	GROUP_1	34.65	3	GROUP_3	11.38	23.27	5.36	44.00	0.0000 **
1	GROUP_1	34.65	4	GROUP_4	26.86	7.79	2.06	40.96	0.0459
1	GROUP_1	34.65	5	GROUP_5	20.79	13.87	3.54	42.30	0.0010 **
1	GROUP_1	34.65	6	GROUP_6	25.99	8.66	2.34	39.29	0.0246
1	GROUP_1	34.65	7	GROUP_7	23.28	11.38	2.74	45.24	0.0088 *
1	GROUP_1	34.65	8	GROUP_8	27.45	7.21	1.78	45.07	0.0824
1	GROUP_1	34.65	9	GROUP_9	22.54	12.11	3.03	43.78	0.0040 *
1	GROUP_1	34.65	10	GROUP_10	25.78	8.87	2.04	46.87	0.0470
1	GROUP_1	34.65	11	GROUP_11	27.77	6.88	1.52	46.98	0.1342

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 6162.610 10 616.26 2.68 0.0039
 * WITHIN 57383.897 250 229.54

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	41.65	2	GROUP_2	30.75	10.90	2.71	43.51	0.0096
1	GROUP_1	41.65	3	GROUP_3	23.04	18.61	3.87	45.37	0.0003 **
1	GROUP_1	41.65	4	GROUP_4	29.49	12.16	2.74	46.85	0.0087 *
1	GROUP_1	41.65	5	GROUP_5	26.21	15.44	3.52	43.00	0.0010 **
1	GROUP_1	41.65	6	GROUP_6	31.00	10.65	2.76	40.34	0.0086 *
1	GROUP_1	41.65	7	GROUP_7	25.16	16.49	3.90	45.79	0.0003 **
1	GROUP_1	41.65	8	GROUP_8	31.59	10.06	2.26	45.95	0.0284
1	GROUP_1	41.65	9	GROUP_9	28.58	13.07	2.69	45.19	0.0099
1	GROUP_1	41.65	10	GROUP_10	32.83	8.82	1.81	43.86	0.0769
1	GROUP_1	41.65	11	GROUP_11	35.13	6.52	1.43	43.84	0.1594

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 18

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 11867.757 10 1186.78 5.52 0.0000
 * WITHIN 54863.781 255 215.15

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	36.79	2	GROUP_2	28.83	7.96	1.96	40.63	0.0568
1	GROUP_1	36.79	3	GROUP_3	9.45	27.34	6.12	43.70	0.0000 **
1	GROUP_1	36.79	4	GROUP_4	27.82	8.97	2.31	37.10	0.0264
1	GROUP_1	36.79	5	GROUP_5	19.37	17.42	4.39	38.67	0.0001 **
1	GROUP_1	36.79	6	GROUP_6	23.93	12.86	3.09	42.60	0.0035 *
1	GROUP_1	36.79	7	GROUP_7	23.33	13.47	3.19	43.10	0.0027 *
1	GROUP_1	36.79	8	GROUP_8	26.90	9.90	2.33	43.93	0.0247
1	GROUP_1	36.79	9	GROUP_9	17.80	18.99	3.09	39.55	0.0036 *
1	GROUP_1	36.79	10	GROUP_10	27.18	9.62	2.24	44.37	0.0300
1	GROUP_1	36.79	11	GROUP_11	29.00	7.79	1.63	46.99	0.1090

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 6569.655 10 656.97 2.66 0.0041
 * WITHIN 61661.649 250 246.65

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	40.34	2	GROUP_2	30.21	10.13	2.46	42.82	0.0179
1	GROUP_1	40.34	3	GROUP_3	21.43	18.92	3.69	44.72	0.0006 **
1	GROUP_1	40.34	4	GROUP_4	27.55	12.79	2.92	45.84	0.0054 *
1	GROUP_1	40.34	5	GROUP_5	23.93	16.41	3.65	42.99	0.0007 **
1	GROUP_1	40.34	6	GROUP_6	31.35	9.00	2.25	40.39	0.0296
1	GROUP_1	40.34	7	GROUP_7	24.74	15.60	3.33	46.98	0.0017 **
1	GROUP_1	40.34	8	GROUP_8	30.66	9.68	2.15	45.70	0.0366
1	GROUP_1	40.34	9	GROUP_9	30.22	10.12	2.03	45.34	0.0482
1	GROUP_1	40.34	10	GROUP_10	33.33	7.02	1.41	44.12	0.1659
1	GROUP_1	40.34	11	GROUP_11	33.85	6.50	1.36	43.64	0.1815

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 22

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 11316.211 10 1131.62 5.20 0.0000
 * WITHIN 113151.135 520 217.60

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	31.99	2	GROUP_2	31.13	0.86	0.27	90.96	0.7864
1	GROUP_1	31.99	3	GROUP_3	14.35	17.64	5.28	89.99	0.0000 **
1	GROUP_1	31.99	4	GROUP_4	26.31	5.68	1.88	87.75	0.0636
1	GROUP_1	31.99	5	GROUP_5	22.69	9.30	2.97	89.14	0.0038 *
1	GROUP_1	31.99	6	GROUP_6	26.50	5.49	1.73	92.87	0.0876
1	GROUP_1	31.99	7	GROUP_7	28.13	3.86	1.15	93.76	0.2511
1	GROUP_1	31.99	8	GROUP_8	24.24	7.75	2.42	93.38	0.0174
1	GROUP_1	31.99	9	GROUP_9	20.88	11.11	3.58	90.32	0.0006 **
1	GROUP_1	31.99	10	GROUP_10	28.17	3.82	1.16	94.05	0.2471
1	GROUP_1	31.99	11	GROUP_11	26.64	5.35	1.64	93.79	0.1042

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 7796.730 10 779.67 2.69 0.0032
 * WITHIN 146221.815 505 289.55

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	40.51	2	GROUP_2	29.08	11.43	3.38	94.69	0.0010 **
1	GROUP_1	40.51	3	GROUP_3	23.23	17.27	4.66	91.21	0.0000 **
1	GROUP_1	40.51	4	GROUP_4	31.05	9.46	2.66	92.59	0.0092
1	GROUP_1	40.51	5	GROUP_5	30.61	9.89	3.01	87.88	0.0034 *
1	GROUP_1	40.51	6	GROUP_6	30.95	9.56	2.59	92.68	0.0110
1	GROUP_1	40.51	7	GROUP_7	28.43	12.08	3.62	94.37	0.0005 **
1	GROUP_1	40.51	8	GROUP_8	30.54	9.97	3.08	92.18	0.0027 *
1	GROUP_1	40.51	9	GROUP_9	30.84	9.67	2.85	92.91	0.0053 *
1	GROUP_1	40.51	10	GROUP_10	29.64	10.87	2.79	87.23	0.0064 *
1	GROUP_1	40.51	11	GROUP_11	32.30	8.20	2.47	90.78	0.0155

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 26

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 *STANDARD BETWEEN 9940.685 10 994.07 5.05 0.0000
 * WITHIN 101422.608 515 196.94

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	28.77	2	GROUP_2	26.37	2.40	0.83	89.62	0.4086
1	GROUP_1	28.77	3	GROUP_3	11.95	16.82	6.40	86.82	-0.0000 **
1	GROUP_1	28.77	4	GROUP_4	24.96	3.82	1.50	92.94	0.1358
1	GROUP_1	28.77	5	GROUP_5	20.00	8.77	3.38	90.94	0.0011 **
1	GROUP_1	28.77	6	GROUP_6	20.81	7.96	2.54	89.09	0.0128
1	GROUP_1	28.77	7	GROUP_7	26.61	2.16	0.75	90.90	0.4568
1	GROUP_1	28.77	8	GROUP_8	21.83	6.94	2.63	94.89	0.0099
1	GROUP_1	28.77	9	GROUP_9	19.35	9.43	3.57	93.94	0.0006 **
1	GROUP_1	28.77	10	GROUP_10	24.93	3.84	1.27	89.87	0.2074
1	GROUP_1	28.77	11	GROUP_11	25.64	3.13	1.21	93.61	0.2294

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 *STANDARD BETWEEN 4564.679 10 456.47 1.74 0.0691
 * WITHIN 131383.202 501 262.24

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	33.59	2	GROUP_2	25.75	7.83	2.64	91.00	0.0098
1	GROUP_1	33.59	3	GROUP_3	21.01	12.58	3.51	86.78	0.0007 **
1	GROUP_1	33.59	4	GROUP_4	24.30	9.29	2.69	91.28	0.0085
1	GROUP_1	33.59	5	GROUP_5	24.15	9.44	2.60	81.57	0.0112
1	GROUP_1	33.59	6	GROUP_6	25.97	7.62	2.27	93.52	0.0252
1	GROUP_1	33.59	7	GROUP_7	26.40	7.19	2.46	90.20	0.0158
1	GROUP_1	33.59	8	GROUP_8	24.20	9.38	3.00	93.63	0.0035 *
1	GROUP_1	33.59	9	GROUP_9	25.11	8.47	2.57	92.72	0.0118
1	GROUP_1	33.59	10	GROUP_10	23.42	10.16	2.85	87.09	0.0054 *
1	GROUP_1	33.59	11	GROUP_11	26.43	7.15	2.27	90.98	0.0255

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 30

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 6678.905 10 667.89 3.62 0.0001
 * WITHIN 92333.192 500 184.67

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	28.02	2	GROUP_2	23.36	4.66	1.69	85.66	0.0955
1	GROUP_1	28.02	3	GROUP_3	12.44	15.58	6.12	77.95	-0.0000 **
1	GROUP_1	28.02	4	GROUP_4	23.76	4.26	1.74	93.98	0.0860
1	GROUP_1	28.02	5	GROUP_5	19.81	8.21	3.18	89.23	0.0020 *
1	GROUP_1	28.02	6	GROUP_6	21.78	6.24	2.28	89.05	0.0247
1	GROUP_1	28.02	7	GROUP_7	24.84	3.18	1.15	86.85	0.2541
1	GROUP_1	28.02	8	GROUP_8	22.14	5.88	2.53	94.00	0.0132
1	GROUP_1	28.02	9	GROUP_9	20.80	7.21	2.38	82.54	0.0195
1	GROUP_1	28.02	10	GROUP_10	26.09	1.93	0.75	90.44	0.4579
1	GROUP_1	28.02	11	GROUP_11	23.28	4.74	1.87	89.99	0.0646

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 5801.268 10 580.13 2.30 0.0121
 * WITHIN 124834.539 495 252.19

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	30.95	2	GROUP_2	23.62	7.34	2.45	86.30	0.0164
1	GROUP_1	30.95	3	GROUP_3	20.89	10.06	2.72	85.39	0.0080 *
1	GROUP_1	30.95	4	GROUP_4	24.23	6.73	1.91	91.40	0.0593
1	GROUP_1	30.95	5	GROUP_5	17.10	13.86	3.90	86.14	0.0002 **
1	GROUP_1	30.95	6	GROUP_6	23.32	7.64	2.13	92.03	0.0357
1	GROUP_1	30.95	7	GROUP_7	25.11	5.85	1.92	88.84	0.0585
1	GROUP_1	30.95	8	GROUP_8	22.50	8.46	2.78	87.64	0.0067 *
1	GROUP_1	30.95	9	GROUP_9	21.02	9.94	2.92	93.00	0.0044 *
1	GROUP_1	30.95	10	GROUP_10	20.12	10.83	3.01	89.43	0.0034 *
1	GROUP_1	30.95	11	GROUP_11	25.39	5.56	1.77	88.35	0.0802

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 34

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD   BETWEEN   8900.447  10  890.04      4.77  0.0000
*           WITHIN    92162.602  494  186.56
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	27.67	2	GROUP_2	21.98	5.69	1.77	85.78	0.0805
1	GROUP_1	27.67	3	GROUP_3	8.97	18.70	5.94	74.26	-0.0000 **
1	GROUP_1	27.67	4	GROUP_4	21.82	5.85	2.16	91.89	0.0334
1	GROUP_1	27.67	5	GROUP_5	20.54	7.12	2.62	89.97	0.0104
1	GROUP_1	27.67	6	GROUP_6	21.04	6.63	2.18	90.96	0.0321
1	GROUP_1	27.67	7	GROUP_7	25.85	1.81	0.60	88.73	0.5507
1	GROUP_1	27.67	8	GROUP_8	22.72	4.95	1.93	86.78	0.0563
1	GROUP_1	27.67	9	GROUP_9	20.44	7.23	2.64	90.93	0.0097
1	GROUP_1	27.67	10	GROUP_10	24.52	3.14	1.11	92.75	0.2681
1	GROUP_1	27.67	11	GROUP_11	22.67	4.99	1.83	90.11	0.0708

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD   BETWEEN   2802.897  10  280.29      1.08  0.3773
*           WITHIN    126351.925  486  259.98
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	25.89	2	GROUP_2	21.19	4.70	1.41	90.31	0.1621
1	GROUP_1	25.89	3	GROUP_3	18.32	7.57	1.94	83.56	0.0559
1	GROUP_1	25.89	4	GROUP_4	22.75	3.14	0.90	91.49	0.3714
1	GROUP_1	25.89	5	GROUP_5	17.02	8.87	2.55	85.98	0.0125
1	GROUP_1	25.89	6	GROUP_6	21.10	4.79	1.26	92.22	0.2125
1	GROUP_1	25.89	7	GROUP_7	23.28	2.62	0.79	89.80	0.4321
1	GROUP_1	25.89	8	GROUP_8	21.58	4.31	1.26	90.69	0.2108
1	GROUP_1	25.89	9	GROUP_9	20.84	5.05	1.43	91.82	0.1570
1	GROUP_1	25.89	10	GROUP_10	19.91	5.98	1.80	87.05	0.0759
1	GROUP_1	25.89	11	GROUP_11	24.11	1.78	0.51	89.65	0.6093

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 38

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 8619.370 10 861.94 4.32 0.0000
 * WITHIN 94505.141 474 199.38

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	24.00	2	GROUP_2	20.89	3.12	1.05	77.78	0.2954
1	GROUP_1	24.00	3	GROUP_3	9.65	14.35	4.78	51.73	0.0000 **
1	GROUP_1	24.00	4	GROUP_4	20.34	3.66	1.50	90.99	0.1382
1	GROUP_1	24.00	5	GROUP_5	19.92	4.08	1.66	87.93	0.0998
1	GROUP_1	24.00	6	GROUP_6	18.87	5.13	1.97	87.62	0.0514
1	GROUP_1	24.00	7	GROUP_7	24.13	-0.13	-0.04	78.67	0.9659
1	GROUP_1	24.00	8	GROUP_8	15.42	8.58	3.23	90.49	0.0017 *
1	GROUP_1	24.00	9	GROUP_9	14.29	9.72	3.71	87.37	0.0004 **
1	GROUP_1	24.00	10	GROUP_10	17.70	6.31	2.06	77.15	0.0424
1	GROUP_1	24.00	11	GROUP_11	12.01	11.99	4.13	80.38	0.0001 **

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 8267.882 10 826.79 3.24 0.0005
 * WITHIN 119787.675 469 255.41

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	25.70	2	GROUP_2	16.76	8.94	3.40	86.63	0.0010 **
1	GROUP_1	25.70	3	GROUP_3	17.11	8.59	2.47	70.31	0.0161
1	GROUP_1	25.70	4	GROUP_4	20.53	5.17	1.63	86.41	0.1062
1	GROUP_1	25.70	5	GROUP_5	16.00	9.70	3.36	81.29	0.0012 **
1	GROUP_1	25.70	6	GROUP_6	19.55	6.15	1.71	80.28	0.0904
1	GROUP_1	25.70	7	GROUP_7	18.86	6.84	2.43	89.63	0.0169
1	GROUP_1	25.70	8	GROUP_8	11.62	14.08	4.10	80.29	0.0001 **
1	GROUP_1	25.70	9	GROUP_9	12.05	13.65	3.82	79.09	0.0003 **
1	GROUP_1	25.70	10	GROUP_10	11.51	14.19	4.45	83.36	0.0000 **
1	GROUP_1	25.70	11	GROUP_11	15.88	9.82	3.21	84.15	0.0019 *

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 42

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 7027.810 10 702.78 3.77 0.0001
 * WITHIN 86745.360 465 186.55

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	25.34	2	GROUP_2	22.21	3.13	1.08	79.55	0.2825
1	GROUP_1	25.34	3	GROUP_3	9.57	15.77	4.60	40.34	0.0000 **
1	GROUP_1	25.34	4	GROUP_4	21.36	3.98	1.64	89.94	0.1045
1	GROUP_1	25.34	5	GROUP_5	21.35	3.99	1.66	86.97	0.0996
1	GROUP_1	25.34	6	GROUP_6	21.06	4.28	1.56	84.11	0.1229
1	GROUP_1	25.34	7	GROUP_7	21.50	3.84	1.39	81.08	0.1676
1	GROUP_1	25.34	8	GROUP_8	18.48	6.86	2.77	91.00	0.0069 *
1	GROUP_1	25.34	9	GROUP_9	13.90	11.44	4.10	84.56	0.0001 **
1	GROUP_1	25.34	10	GROUP_10	17.60	7.74	2.51	75.52	0.0142
1	GROUP_1	25.34	11	GROUP_11	16.27	9.07	3.62	87.69	0.0005 **

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 4953.549 10 495.35 2.50 0.0063
 * WITHIN 90771.303 458 198.19

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	25.89	2	GROUP_2	16.59	9.30	3.22	86.08	0.0018 *
1	GROUP_1	25.89	3	GROUP_3	19.39	6.50	1.87	68.26	0.0652
1	GROUP_1	25.89	4	GROUP_4	19.24	6.65	2.01	88.45	0.0471
1	GROUP_1	25.89	5	GROUP_5	16.44	9.45	3.09	80.94	0.0027 *
1	GROUP_1	25.89	6	GROUP_6	18.10	7.79	2.31	86.59	0.0232
1	GROUP_1	25.89	7	GROUP_7	19.52	6.37	2.30	81.40	0.0239
1	GROUP_1	25.89	8	GROUP_8	15.52	10.37	3.59	83.13	0.0006 **
1	GROUP_1	25.89	9	GROUP_9	15.76	10.13	2.97	86.17	0.0038 *
1	GROUP_1	25.89	10	GROUP_10	14.65	11.24	3.80	83.41	0.0003 **
1	GROUP_1	25.89	11	GROUP_11	13.56	12.33	4.51	78.00	0.0000 **

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value $\geq$ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 46

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    7945.846  10   794.58     3.90  0.0000
*           WITHIN     93204.999  458   203.50
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	26.34	2	GROUP_2	23.58	2.75	0.93	80.42	0.3541
1	GROUP_1	26.34	3	GROUP_3	10.29	16.05	4.48	35.43	0.0001 **
1	GROUP_1	26.34	4	GROUP_4	22.96	3.37	1.33	88.90	0.1869
1	GROUP_1	26.34	5	GROUP_5	22.03	4.31	1.75	84.84	0.0843
1	GROUP_1	26.34	6	GROUP_6	21.95	4.39	1.51	81.31	0.1354
1	GROUP_1	26.34	7	GROUP_7	23.93	2.41	0.84	79.11	0.4049
1	GROUP_1	26.34	8	GROUP_8	16.36	9.98	3.30	84.68	0.0014 **
1	GROUP_1	26.34	9	GROUP_9	15.06	11.28	4.20	88.53	0.0001 **
1	GROUP_1	26.34	10	GROUP_10	19.88	6.46	2.15	78.16	0.0343
1	GROUP_1	26.34	11	GROUP_11	17.02	9.32	3.34	84.81	0.0012 **

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    3625.225  10   362.52     1.67  0.0849
*           WITHIN     97404.824  449   216.94
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	22.38	2	GROUP_2	16.05	6.33	2.05	85.58	0.0435
1	GROUP_1	22.38	3	GROUP_3	18.34	4.04	1.05	62.95	0.2972
1	GROUP_1	22.38	4	GROUP_4	20.37	2.00	0.58	86.71	0.5656
1	GROUP_1	22.38	5	GROUP_5	17.87	4.51	1.37	78.74	0.1755
1	GROUP_1	22.38	6	GROUP_6	19.74	2.64	0.76	86.69	0.4502
1	GROUP_1	22.38	7	GROUP_7	20.18	2.20	0.77	75.97	0.4448
1	GROUP_1	22.38	8	GROUP_8	13.90	8.48	2.46	83.45	0.0161
1	GROUP_1	22.38	9	GROUP_9	15.03	7.35	2.25	86.60	0.0270
1	GROUP_1	22.38	10	GROUP_10	14.89	7.49	2.15	83.15	0.0346
1	GROUP_1	22.38	11	GROUP_11	14.23	8.15	2.84	74.93	0.0058 *

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 50

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 6499.385 10 649.94 3.54 0.0002
 * WITHIN 80522.429 439 183.42

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	26.13	2	GROUP_2	21.94	4.18	1.48	80.91	0.1414
1	GROUP_1	26.13	3	GROUP_3	15.17	10.95	3.25	28.34	0.0030 **
1	GROUP_1	26.13	4	GROUP_4	26.87	-0.75	-0.33	83.62	0.7459
1	GROUP_1	26.13	5	GROUP_5	20.15	5.98	2.09	78.82	0.0394
1	GROUP_1	26.13	6	GROUP_6	24.04	2.09	0.72	74.61	0.4768
1	GROUP_1	26.13	7	GROUP_7	26.25	-0.12	-0.05	79.45	0.9641
1	GROUP_1	26.13	8	GROUP_8	19.14	6.98	2.57	83.88	0.0121
1	GROUP_1	26.13	9	GROUP_9	15.34	10.78	3.94	86.12	0.0002 **
1	GROUP_1	26.13	10	GROUP_10	19.93	6.20	2.18	76.24	0.0323
1	GROUP_1	26.13	11	GROUP_11	19.37	6.75	2.54	82.23	0.0131

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 3101.415 10 310.14 1.52 0.1288
 * WITHIN 88261.541 433 203.84

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	20.15	2	GROUP_2	13.84	6.30	2.05	84.39	0.0430
1	GROUP_1	20.15	3	GROUP_3	18.18	1.97	0.52	58.65	0.6036
1	GROUP_1	20.15	4	GROUP_4	19.56	0.59	0.18	84.99	0.8537
1	GROUP_1	20.15	5	GROUP_5	14.11	6.04	1.75	72.53	0.0836
1	GROUP_1	20.15	6	GROUP_6	19.14	1.01	0.30	83.61	0.7683
1	GROUP_1	20.15	7	GROUP_7	19.27	0.88	0.30	83.27	0.7657
1	GROUP_1	20.15	8	GROUP_8	15.14	5.01	1.53	81.44	0.1291
1	GROUP_1	20.15	9	GROUP_9	13.53	6.62	2.20	82.19	0.0310
1	GROUP_1	20.15	10	GROUP_10	15.02	5.13	1.60	80.71	0.1141
1	GROUP_1	20.15	11	GROUP_11	13.53	6.61	2.32	78.58	0.0228

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value ≥ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 54

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 7882.166 10 788.22 3.39 0.0003
 * WITHIN 99120.574 426 232.68

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	21.24	2	GROUP_2	21.58	-0.34	-0.10	59.21	0.9226
1	GROUP_1	21.24	3	GROUP_3	7.56	13.67	2.53	30.88	0.0169
1	GROUP_1	21.24	4	GROUP_4	26.03	-4.79	-1.42	53.99	0.1620
1	GROUP_1	21.24	5	GROUP_5	16.93	4.31	1.16	67.27	0.2495
1	GROUP_1	21.24	6	GROUP_6	22.38	-1.15	-0.30	69.39	0.7644
1	GROUP_1	21.24	7	GROUP_7	19.80	1.43	0.38	68.38	0.7050
1	GROUP_1	21.24	8	GROUP_8	19.67	1.57	0.42	68.19	0.6758
1	GROUP_1	21.24	9	GROUP_9	16.11	5.12	1.39	66.97	0.1692
1	GROUP_1	21.24	10	GROUP_10	12.42	8.82	2.10	75.45	0.0390
1	GROUP_1	21.24	11	GROUP_11	17.29	3.95	0.94	75.40	0.3486

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 12376.681 10 1237.67 4.55 0.0000
 * WITHIN 112691.101 414 272.20

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	19.22	2	GROUP_2	16.99	2.23	0.81	77.94	0.4211
1	GROUP_1	19.22	3	GROUP_3	17.98	1.24	0.34	44.09	0.7390
1	GROUP_1	19.22	4	GROUP_4	18.73	0.50	0.15	78.47	0.8779
1	GROUP_1	19.22	5	GROUP_5	13.81	5.42	1.76	69.83	0.0831
1	GROUP_1	19.22	6	GROUP_6	17.23	1.99	0.51	67.08	0.6149
1	GROUP_1	19.22	7	GROUP_7	6.08	13.15	4.14	83.17	0.0001 **
1	GROUP_1	19.22	8	GROUP_8	16.39	2.84	0.80	67.58	0.4245
1	GROUP_1	19.22	9	GROUP_9	3.03	16.20	4.48	69.08	0.0000 **
1	GROUP_1	19.22	10	GROUP_10	10.51	8.72	2.39	65.74	0.0195
1	GROUP_1	19.22	11	GROUP_11	9.12	10.11	3.39	80.34	0.0011 **

** Significantly lower than vehicle control value at the 0.01 level after adjustment for multiple comparisons (t-value $\geq$ 3.25).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 58

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 1363.580 10 136.36 0.71 0.7147
 * WITHIN 79248.600 413 191.89

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	24.32	2	GROUP_2	23.14	1.19	0.42	76.62	0.6759
1	GROUP_1	24.32	3	GROUP_3	15.13	9.20	2.31	18.76	0.0325
1	GROUP_1	24.32	4	GROUP_4	24.57	-0.24	-0.08	78.98	0.9361
1	GROUP_1	24.32	5	GROUP_5	22.14	2.18	0.70	76.10	0.4880
1	GROUP_1	24.32	6	GROUP_6	23.63	0.69	0.21	70.77	0.8377
1	GROUP_1	24.32	7	GROUP_7	23.63	0.70	0.23	73.66	0.8161
1	GROUP_1	24.32	8	GROUP_8	24.57	-0.25	-0.09	71.87	0.9258
1	GROUP_1	24.32	9	GROUP_9	22.18	2.15	0.77	77.97	0.4455
1	GROUP_1	24.32	10	GROUP_10	25.53	-1.21	-0.42	73.99	0.6777
1	GROUP_1	24.32	11	GROUP_11	24.86	-0.54	-0.20	72.14	0.8429

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 2514.728 10 251.47 1.18 0.3059
 * WITHIN 85603.223 400 214.01

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	22.07	2	GROUP_2	16.20	5.87	1.83	71.74	0.0719
1	GROUP_1	22.07	3	GROUP_3	12.32	9.75	2.32	35.18	0.0265
1	GROUP_1	22.07	4	GROUP_4	21.08	0.99	0.34	80.96	0.7384
1	GROUP_1	22.07	5	GROUP_5	18.01	4.06	1.34	71.65	0.1852
1	GROUP_1	22.07	6	GROUP_6	22.09	-0.02	-0.01	66.62	0.9956
1	GROUP_1	22.07	7	GROUP_7	19.37	2.70	0.95	82.61	0.3467
1	GROUP_1	22.07	8	GROUP_8	21.21	0.87	0.29	73.52	0.7716
1	GROUP_1	22.07	9	GROUP_9	17.39	4.68	1.58	75.85	0.1178
1	GROUP_1	22.07	10	GROUP_10	18.68	3.39	1.10	74.72	0.2761
1	GROUP_1	22.07	11	GROUP_11	19.10	2.97	0.98	79.92	0.3282

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 62

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD  BETWEEN      5474.640  10  547.46      2.61  0.0044
*          WITHIN      79597.859 380  209.47
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	28.25	2	GROUP_2	23.45	4.79	1.53	71.70	0.1316
1	GROUP_1	28.25	3	GROUP_3	13.59	14.66	2.53	10.76	0.0283
1	GROUP_1	28.25	4	GROUP_4	31.07	-2.83	-0.92	71.05	0.3593
1	GROUP_1	28.25	5	GROUP_5	19.93	8.31	2.40	68.88	0.0189
1	GROUP_1	28.25	6	GROUP_6	22.68	5.57	1.64	69.27	0.1064
1	GROUP_1	28.25	7	GROUP_7	24.54	3.70	1.17	65.93	0.2468
1	GROUP_1	28.25	8	GROUP_8	25.45	2.80	0.96	66.65	0.3395
1	GROUP_1	28.25	9	GROUP_9	22.09	6.16	1.81	73.82	0.0739
1	GROUP_1	28.25	10	GROUP_10	29.64	-1.39	-0.50	62.08	0.6173
1	GROUP_1	28.25	11	GROUP_11	25.41	2.83	0.88	68.97	0.3820

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD  BETWEEN      3891.012  10  389.10      1.42  0.1715
*          WITHIN      99261.250 361  274.96
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	25.11	2	GROUP_2	18.33	6.78	2.25	66.17	0.0275
1	GROUP_1	25.11	3	GROUP_3	17.11	8.01	1.70	22.08	0.1023
1	GROUP_1	25.11	4	GROUP_4	23.79	1.33	0.41	66.00	0.6848
1	GROUP_1	25.11	5	GROUP_5	14.77	10.34	3.21	57.93	0.0022 *
1	GROUP_1	25.11	6	GROUP_6	20.44	4.67	1.09	56.14	0.2811
1	GROUP_1	25.11	7	GROUP_7	22.88	2.24	0.78	74.47	0.4385
1	GROUP_1	25.11	8	GROUP_8	24.23	0.88	0.25	54.26	0.8009
1	GROUP_1	25.11	9	GROUP_9	17.93	7.18	2.09	60.77	0.0403
1	GROUP_1	25.11	10	GROUP_10	17.93	7.18	1.92	60.73	0.0599
1	GROUP_1	25.11	11	GROUP_11	17.60	7.51	2.04	65.79	0.0455

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 66

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 3675.294 10 367.53 1.89 0.0448
 * WITHIN 69857.726 360 194.05

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	29.17	2	GROUP_2	26.55	2.62	0.83	64.39	0.4121
1	GROUP_1	29.17	3	GROUP_3	21.45	7.72	1.20	6.67	0.2703
1	GROUP_1	29.17	4	GROUP_4	27.64	1.53	0.50	60.76	0.6164
1	GROUP_1	29.17	5	GROUP_5	23.04	6.13	1.84	66.77	0.0697
1	GROUP_1	29.17	6	GROUP_6	23.12	6.06	1.74	66.92	0.0861
1	GROUP_1	29.17	7	GROUP_7	26.35	2.82	0.78	62.56	0.4362
1	GROUP_1	29.17	8	GROUP_8	26.99	2.18	0.74	57.07	0.4615
1	GROUP_1	29.17	9	GROUP_9	20.56	8.61	2.25	69.41	0.0277
1	GROUP_1	29.17	10	GROUP_10	30.70	-1.53	-0.53	55.28	0.6010
1	GROUP_1	29.17	11	GROUP_11	29.68	-0.50	-0.16	59.93	0.8720

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 3354.751 10 335.48 1.38 0.1897
 * WITHIN 76739.825 315 243.62

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	25.03	2	GROUP_2	19.44	5.59	1.53	60.28	0.1306
1	GROUP_1	25.03	3	GROUP_3	12.71	12.32	2.13	22.42	0.0440
1	GROUP_1	25.03	4	GROUP_4	23.13	1.89	0.50	65.05	0.6157
1	GROUP_1	25.03	5	GROUP_5	19.20	5.82	1.50	57.65	0.1394
1	GROUP_1	25.03	6	GROUP_6	18.74	6.29	1.63	62.00	0.1082
1	GROUP_1	25.03	7	GROUP_7	24.27	0.76	0.22	61.26	0.8294
1	GROUP_1	25.03	8	GROUP_8	20.93	4.10	0.95	52.77	0.3459
1	GROUP_1	25.03	9	GROUP_9	19.19	5.84	1.58	57.00	0.1202
1	GROUP_1	25.03	10	GROUP_10	21.68	3.34	0.86	61.99	0.3941
1	GROUP_1	25.03	11	GROUP_11	15.50	9.52	2.11	55.14	0.0391

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 70

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 2883.082 10 288.31 1.50 0.1395
 * WITHIN 64409.039 334 192.84

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	31.59	2	GROUP_2	27.97	3.63	1.17	64.88	0.2481
1	GROUP_1	31.59	3	GROUP_3	18.84	12.75	2.83	6.13	0.0293 *
1	GROUP_1	31.59	4	GROUP_4	27.85	3.74	1.18	64.69	0.2414
1	GROUP_1	31.59	5	GROUP_5	22.87	8.72	2.61	59.79	0.0113
1	GROUP_1	31.59	6	GROUP_6	26.34	5.26	1.51	54.35	0.1362
1	GROUP_1	31.59	7	GROUP_7	30.87	0.72	0.24	57.47	0.8127
1	GROUP_1	31.59	8	GROUP_8	27.63	3.96	1.32	62.99	0.1926
1	GROUP_1	31.59	9	GROUP_9	26.01	5.58	1.70	62.83	0.0932
1	GROUP_1	31.59	10	GROUP_10	30.67	0.92	0.34	58.28	0.7325
1	GROUP_1	31.59	11	GROUP_11	31.75	-0.16	-0.06	57.96	0.9558

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 905.666 10 90.57 0.36 0.9641
 * WITHIN 67205.603 264 254.57

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	26.46	2	GROUP_2	23.27	3.19	0.96	54.82	0.3419
1	GROUP_1	26.46	3	GROUP_3	26.44	0.02	0.01	19.50	0.9959
1	GROUP_1	26.46	4	GROUP_4	23.23	3.23	0.92	55.01	0.3595
1	GROUP_1	26.46	5	GROUP_5	21.70	4.76	1.29	53.13	0.2032
1	GROUP_1	26.46	6	GROUP_6	23.23	3.23	0.64	44.42	0.5285
1	GROUP_1	26.46	7	GROUP_7	26.19	0.27	0.08	61.98	0.9378
1	GROUP_1	26.46	8	GROUP_8	21.78	4.68	1.08	41.54	0.2859
1	GROUP_1	26.46	9	GROUP_9	23.36	3.10	0.84	42.21	0.4077
1	GROUP_1	26.46	10	GROUP_10	21.12	5.35	1.21	43.75	0.2333
1	GROUP_1	26.46	11	GROUP_11	23.73	2.73	0.68	40.12	0.5000

* Significantly lower than vehicle control value at the 0.05 level after adjustment for multiple comparisons (t-value ≥ 2.72).

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 74

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    1700.757  10   170.08      0.79 0.6337
*          WITHIN      45252.170 305   213.94
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	27.20	2	GROUP_2	26.05	1.16	0.30	59.60	0.7688
1	GROUP_1	27.20	3	GROUP_3	20.50	6.70	0.87	2.66	0.4574
1	GROUP_1	27.20	4	GROUP_4	26.66	0.55	0.13	61.87	0.8959
1	GROUP_1	27.20	5	GROUP_5	28.90	-1.69	-0.42	55.96	0.6746
1	GROUP_1	27.20	6	GROUP_6	30.37	-3.17	-0.88	51.42	0.3842
1	GROUP_1	27.20	7	GROUP_7	30.64	-3.44	-0.87	54.00	0.3908
1	GROUP_1	27.20	8	GROUP_8	28.92	-1.72	-0.49	52.35	0.6267
1	GROUP_1	27.20	9	GROUP_9	26.73	0.47	0.12	57.58	0.9061
1	GROUP_1	27.20	10	GROUP_10	27.82	-0.62	-0.17	52.40	0.8642
1	GROUP_1	27.20	11	GROUP_11	33.59	-6.39	-1.80	51.10	0.0770

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    1995.127  10   199.51      0.70 0.7250
*          WITHIN      63082.013 221   285.44
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	22.24	2	GROUP_2	23.88	-1.64	-0.45	44.98	0.6545
1	GROUP_1	22.24	3	GROUP_3	15.41	6.83	0.96	9.58	0.3602
1	GROUP_1	22.24	4	GROUP_4	25.32	-3.09	-0.73	46.03	0.4706
1	GROUP_1	22.24	5	GROUP_5	24.72	-2.49	-0.61	48.25	0.5469
1	GROUP_1	22.24	6	GROUP_6	25.68	-3.44	-0.73	44.00	0.4674
1	GROUP_1	22.24	7	GROUP_7	22.24	-0.00	-0.00	49.42	0.9992
1	GROUP_1	22.24	8	GROUP_8	26.52	-4.29	-0.86	35.84	0.3941
1	GROUP_1	22.24	9	GROUP_9	17.76	4.48	0.98	34.17	0.3338
1	GROUP_1	22.24	10	GROUP_10	20.16	2.08	0.33	30.61	0.7430
1	GROUP_1	22.24	11	GROUP_11	26.41	-4.17	-0.90	30.30	0.3740

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 78

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 922.311 9 102.48 0.50 0.8746
 * WITHIN 56880.326 277 205.34

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	26.58	2	GROUP_2	26.38	0.20	0.05	57.84	0.9576
1	GROUP_1	26.58	3	GROUP_3	27.40	-0.82	-0.34	25.00	0.7355
1	GROUP_1	26.58	4	GROUP_4	28.90	-2.32	-0.68	56.35	0.4998
1	GROUP_1	26.58	5	GROUP_5	26.86	-0.28	-0.08	51.50	0.9399
1	GROUP_1	26.58	6	GROUP_6	27.13	-0.55	-0.17	50.67	0.8692
1	GROUP_1	26.58	7	GROUP_7	28.89	-2.31	-0.65	48.29	0.5212
1	GROUP_1	26.58	8	GROUP_8	27.99	-1.41	-0.45	52.54	0.6552
1	GROUP_1	26.58	9	GROUP_9	23.33	3.25	0.76	43.90	0.4519
1	GROUP_1	26.58	10	GROUP_10	27.50	-0.92	-0.26	49.53	0.7971
1	GROUP_1	26.58	11	GROUP_11	30.60	-4.02	-1.05	50.36	0.2995

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 2712.384 10 271.24 0.85 0.5827
 * WITHIN 57544.650 180 319.69

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	15.90	2	GROUP_2	25.79	-9.89	-2.04	30.52	0.0504
1	GROUP_1	15.90	3	GROUP_3	15.01	0.89	0.11	10.46	0.9107
1	GROUP_1	15.90	4	GROUP_4	25.27	-9.37	-1.84	33.78	0.0745
1	GROUP_1	15.90	5	GROUP_5	22.05	-6.15	-1.08	36.78	0.2890
1	GROUP_1	15.90	6	GROUP_6	20.16	-4.26	-0.70	35.91	0.4867
1	GROUP_1	15.90	7	GROUP_7	24.54	-8.64	-1.89	26.63	0.0695
1	GROUP_1	15.90	8	GROUP_8	18.75	-2.85	-0.49	32.91	0.6260
1	GROUP_1	15.90	9	GROUP_9	14.53	1.37	0.20	20.79	0.8448
1	GROUP_1	15.90	10	GROUP_10	17.96	-2.06	-0.27	26.46	0.7869
1	GROUP_1	15.90	11	GROUP_11	23.38	-7.48	-1.28	24.92	0.2125

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 82

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 *STANDARD BETWEEN 1548.631 9 172.07 0.85 0.5743
 * WITHIN 51043.521 251 203.36

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	23.35	2	GROUP_2	27.24	-3.89	-0.83	33.47	0.4105
1	GROUP_1	23.35	4	GROUP_4	28.28	-4.93	-1.01	38.28	0.3212
1	GROUP_1	23.35	5	GROUP_5	22.79	0.56	0.11	41.64	0.9142
1	GROUP_1	23.35	6	GROUP_6	23.96	-0.61	-0.12	36.55	0.9014
1	GROUP_1	23.35	7	GROUP_7	29.07	-5.72	-1.19	35.57	0.2432
1	GROUP_1	23.35	8	GROUP_8	27.63	-4.28	-0.91	34.14	0.3696
1	GROUP_1	23.35	9	GROUP_9	26.78	-3.43	-0.66	39.92	0.5148
1	GROUP_1	23.35	10	GROUP_10	24.82	-1.47	-0.29	39.42	0.7720
1	GROUP_1	23.35	11	GROUP_11	30.54	-7.19	-1.58	30.85	0.1250

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 *STANDARD BETWEEN 2464.776 10 246.48 0.93 0.5089
 * WITHIN 37418.700 141 265.38

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	18.11	2	GROUP_2	19.28	-1.17	-0.23	18.09	0.8200
1	GROUP_1	18.11	3	GROUP_3	17.52	0.58	0.06	4.61	0.9552
1	GROUP_1	18.11	4	GROUP_4	26.82	-8.71	-1.61	21.70	0.1225
1	GROUP_1	18.11	5	GROUP_5	20.05	-1.94	-0.36	21.40	0.7227
1	GROUP_1	18.11	6	GROUP_6	15.26	2.85	0.51	22.06	0.6180
1	GROUP_1	18.11	7	GROUP_7	26.36	-8.25	-1.68	16.63	0.1116
1	GROUP_1	18.11	8	GROUP_8	18.58	-0.47	-0.09	20.65	0.9312
1	GROUP_1	18.11	9	GROUP_9	14.42	3.69	0.47	16.15	0.6476
1	GROUP_1	18.11	10	GROUP_10	17.22	0.89	0.10	21.31	0.9230
1	GROUP_1	18.11	11	GROUP_11	21.08	-2.97	-0.41	17.52	0.6883

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 85

MALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 1269.201 9 141.02 0.60 0.7965
 * WITHIN 55239.397 235 235.06

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	24.87	2	GROUP_2	23.86	1.01	0.23	41.22	0.8190
1	GROUP_1	24.87	4	GROUP_4	30.10	-5.22	-1.30	34.63	0.2032
1	GROUP_1	24.87	5	GROUP_5	25.66	-0.78	-0.18	39.11	0.8611
1	GROUP_1	24.87	6	GROUP_6	25.80	-0.93	-0.21	38.49	0.8356
1	GROUP_1	24.87	7	GROUP_7	24.22	0.65	0.15	38.27	0.8836
1	GROUP_1	24.87	8	GROUP_8	24.53	0.35	0.08	41.78	0.9387
1	GROUP_1	24.87	9	GROUP_9	29.08	-4.20	-0.69	33.68	0.4938
1	GROUP_1	24.87	10	GROUP_10	24.09	0.79	0.18	37.69	0.8576
1	GROUP_1	24.87	11	GROUP_11	28.86	-3.99	-0.96	36.15	0.3442

FEMALES

***** ANALYSIS OF VARIANCE TABLE *****
 * TEST SOURCE SUM SQS. DF MEAN SQ. F P
 * STANDARD BETWEEN 2211.853 10 221.19 0.76 0.6695
 * WITHIN 33015.383 113 292.17

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	16.10	2	GROUP_2	17.85	-1.75	-0.32	18.23	0.7501
1	GROUP_1	16.10	3	GROUP_3	22.20	-6.10	-0.77	3.76	0.4870
1	GROUP_1	16.10	4	GROUP_4	22.42	-6.32	-1.03	23.78	0.3147
1	GROUP_1	16.10	5	GROUP_5	22.88	-6.78	-1.29	18.27	0.2138
1	GROUP_1	16.10	6	GROUP_6	14.28	1.82	0.29	17.85	0.7740
1	GROUP_1	16.10	7	GROUP_7	21.71	-5.61	-0.97	20.73	0.3426
1	GROUP_1	16.10	8	GROUP_8	13.93	2.17	0.34	22.82	0.7369
1	GROUP_1	16.10	9	GROUP_9	23.97	-7.87	-1.33	15.78	0.2031
1	GROUP_1	16.10	10	GROUP_10	12.83	3.27	0.42	19.53	0.6789
1	GROUP_1	16.10	11	GROUP_11	25.00	-8.90	-0.78	7.89	0.4606

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 90

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS,  DF  MEAN SQ,      F      P
*STANDARD  BETWEEN      193.665   9   21.52      0.08 0.9998
*           WITHIN      51459.571 197   261.22
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	22.26	2	GROUP_2	21.02	1.24	0.37	31.99	0.7126
1	GROUP_1	22.26	4	GROUP_4	24.76	-2.50	-0.76	36.58	0.4350
1	GROUP_1	22.26	5	GROUP_5	22.06	0.19	0.05	31.29	0.9583
1	GROUP_1	22.26	6	GROUP_6	22.71	-0.46	-0.08	25.84	0.9364
1	GROUP_1	22.26	7	GROUP_7	21.99	0.27	0.07	31.41	0.9414
1	GROUP_1	22.26	8	GROUP_8	21.89	0.37	0.07	30.37	0.9453
1	GROUP_1	22.26	9	GROUP_9	22.40	-0.14	-0.04	29.35	0.9704
1	GROUP_1	22.26	10	GROUP_10	22.86	-0.60	-0.17	31.62	0.8657
1	GROUP_1	22.26	11	GROUP_11	22.45	-0.19	-0.05	35.20	0.9618

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS,  DF  MEAN SQ,      F      P
*STANDARD  BETWEEN      2747.426   9   305.27      1.29 0.2551
*           WITHIN      18681.098  79   236.47
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	12.02	2	GROUP_2	8.17	3.84	0.56	14.82	0.5821
1	GROUP_1	12.02	3	GROUP_3	-7.00	19.02	4.48	5.00	0.0065
1	GROUP_1	12.02	4	GROUP_4	21.79	-9.78	-1.53	14.84	0.1466
1	GROUP_1	12.02	5	GROUP_5	16.96	-4.94	-0.91	11.25	0.3807
1	GROUP_1	12.02	6	GROUP_6	22.77	-10.75	-1.03	8.22	0.3324
1	GROUP_1	12.02	7	GROUP_7	22.04	-10.02	-1.88	10.65	0.0875
1	GROUP_1	12.02	8	GROUP_8	15.08	-3.06	-0.46	13.88	0.6542
1	GROUP_1	12.02	9	GROUP_9	22.72	-10.71	-1.75	11.82	0.1069
1	GROUP_1	12.02	10	GROUP_10	18.74	-6.72	-1.05	11.97	0.3134
1	GROUP_1	12.02	11	GROUP_11	12.40	-0.38	-0.03	2.60	0.9767

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 94

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    1518.195  9   168.69     0.62  0.7793
*          WITHIN     44385.778 163   272.31
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	13.11	2	GROUP_2	13.26	-0.15	-0.02	25.79	0.9819
1	GROUP_1	13.11	4	GROUP_4	21.76	-8.65	-1.41	24.23	0.1707
1	GROUP_1	13.11	5	GROUP_5	15.98	-2.88	-0.45	25.74	0.6591
1	GROUP_1	13.11	6	GROUP_6	18.38	-5.28	-0.82	25.86	0.4217
1	GROUP_1	13.11	7	GROUP_7	20.52	-7.41	-1.04	28.52	0.3062
1	GROUP_1	13.11	8	GROUP_8	18.79	-5.68	-0.89	24.85	0.3802
1	GROUP_1	13.11	9	GROUP_9	14.85	-1.75	-0.26	26.81	0.7943
1	GROUP_1	13.11	10	GROUP_10	16.62	-3.51	-0.59	22.31	0.5635
1	GROUP_1	13.11	11	GROUP_11	20.73	-7.62	-1.26	23.19	0.2214

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    1621.294  9   180.14     0.61  0.7868
*          WITHIN     15772.640 53   297.60
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	11.67	2	GROUP_2	10.31	1.36	0.08	4.72	0.9372
1	GROUP_1	11.67	4	GROUP_4	20.55	-8.88	-0.57	3.96	0.5986
1	GROUP_1	11.67	5	GROUP_5	13.06	-1.38	-0.09	3.52	0.9321
1	GROUP_1	11.67	6	GROUP_6	19.57	-7.90	-0.45	5.30	0.6700
1	GROUP_1	11.67	7	GROUP_7	22.44	-10.77	-0.70	3.77	0.5242
1	GROUP_1	11.67	8	GROUP_8	13.98	-2.30	-0.15	3.87	0.8892
1	GROUP_1	11.67	9	GROUP_9	22.30	-10.63	-0.68	3.90	0.5323
1	GROUP_1	11.67	10	GROUP_10	16.25	-4.58	-0.29	4.08	0.7858
1	GROUP_1	11.67	11	GROUP_11	2.40	9.27	0.53	3.89	0.6268

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 98

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    1380.678  9   153.41     1.12 0.3530
*          WITHIN     15170.409 111  136.67
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	25.61	2	GROUP_2	15.88	9.73	1.76	14.74	0.0992
1	GROUP_1	25.61	4	GROUP_4	23.24	2.38	0.53	8.57	0.6078
1	GROUP_1	25.61	5	GROUP_5	13.59	12.02	2.42	11.82	0.0326
1	GROUP_1	25.61	6	GROUP_6	21.73	3.88	0.60	16.83	0.5535
1	GROUP_1	25.61	7	GROUP_7	22.80	2.81	0.56	12.03	0.5839
1	GROUP_1	25.61	8	GROUP_8	19.29	6.32	1.26	12.38	0.2297
1	GROUP_1	25.61	9	GROUP_9	21.63	3.99	0.80	11.70	0.4384
1	GROUP_1	25.61	10	GROUP_10	19.49	6.12	1.12	14.10	0.2812
1	GROUP_1	25.61	11	GROUP_11	16.84	8.78	1.59	15.09	0.1330

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    2524.424  9   280.49     0.91 0.5306
*          WITHIN     10517.526 34   309.34
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	15.40	2	GROUP_2	12.28	3.12	0.28	1.45	0.8148
1	GROUP_1	15.40	4	GROUP_4	21.39	-5.99	-0.44	3.10	0.6868
1	GROUP_1	15.40	5	GROUP_5	16.78	-1.38	-0.13	1.18	0.9146
1	GROUP_1	15.40	6	GROUP_6	22.17	-6.77	-0.51	2.42	0.6552
1	GROUP_1	15.40	7	GROUP_7	18.04	-2.64	-0.25	1.31	0.8405
1	GROUP_1	15.40	8	GROUP_8	15.50	-0.10	-0.01	1.42	0.9939
1	GROUP_1	15.40	9	GROUP_9	12.98	2.42	0.24	1.11	0.8504
1	GROUP_1	15.40	10	GROUP_10	14.65	0.75	0.06	1.81	0.9577
1	GROUP_1	15.40	11	GROUP_11	-15.45	30.85	1.38	1.47	0.3525

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA
 CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
 FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 102^a

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD  BETWEEN      2471.495  9   274.61      1.74  0.0891
*          WITHIN       16088.507 102   157.73
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	27.51	2	GROUP_2	19.03	8.48	1.26	14.38	0.2287
1	GROUP_1	27.51	4	GROUP_4	24.72	2.80	0.54	8.39	0.6059
1	GROUP_1	27.51	5	GROUP_5	12.30	15.21	2.37	13.64	0.0330
1	GROUP_1	27.51	6	GROUP_6	22.38	5.13	0.77	15.37	0.4554
1	GROUP_1	27.51	7	GROUP_7	25.82	1.69	0.29	11.52	0.7754
1	GROUP_1	27.51	8	GROUP_8	17.90	9.61	1.52	14.39	0.1506
1	GROUP_1	27.51	9	GROUP_9	24.41	3.10	0.62	7.05	0.5530
1	GROUP_1	27.51	10	GROUP_10	14.65	12.86	2.12	12.46	0.0546
1	GROUP_1	27.51	11	GROUP_11	16.60	10.91	1.83	12.60	0.0910

FEMALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE      SUM SQS.  DF  MEAN SQ.      F      P
*STANDARD  BETWEEN      991.680  8   123.96      0.55  0.8076
*          WITHIN       6073.788  27   224.96
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	20.95	2	GROUP_2	11.70	9.25	0.51	1.39	0.6827
1	GROUP_1	20.95	4	GROUP_4	18.36	2.59	0.15	1.27	0.9038
1	GROUP_1	20.95	5	GROUP_5	13.04	7.91	0.45	1.23	0.7210
1	GROUP_1	20.95	6	GROUP_6	22.30	-1.35	-0.07	1.50	0.9509
1	GROUP_1	20.95	7	GROUP_7	21.74	-0.79	-0.04	1.46	0.9710
1	GROUP_1	20.95	8	GROUP_8	22.67	-1.72	-0.10	1.17	0.9356
1	GROUP_1	20.95	9	GROUP_9	22.85	-1.90	-0.11	1.08	0.9280
1	GROUP_1	20.95	10	GROUP_10	16.20	4.75	0.29	1.00	0.8221
1	GROUP_1	20.95	11	GROUP_11	2.85	18.10	1.00	1.39	0.4708

^aLast body weight interval prior to terminal sacrifice of female groups.

APPENDIX 4 (Continued)

STATISTICAL ANALYSIS OF BODY WEIGHT CHANGE DATA

CARCINOGENIC POTENTIAL OF CONDENSED PYROLYSIS EFFLUENTS
FROM IRON FOUNDRY CASTING OPERATIONS (CHRONIC STUDY)

WEEK 111^a

MALES

```
***** ANALYSIS OF VARIANCE TABLE *****
* TEST      SOURCE    SUM SQS.  DF  MEAN SQ.    F      P
*STANDARD  BETWEEN    708.048   9   78.67      0.58 0.8103
*          WITHIN     8174.690  60   136.24
*****
```

GROUP NO.	GROUP NAME	MEAN	GROUP NO.	GROUP NAME	MEAN	MEAN DIFF	T-VALUE	DF	P-VALUE
1	GROUP_1	26.48	2	GROUP_2	23.90	2.58	0.39	4.84	0.7105
1	GROUP_1	26.48	4	GROUP_4	27.84	-1.36	-0.21	5.08	0.8441
1	GROUP_1	26.48	5	GROUP_5	26.03	0.45	0.06	6.00	0.9514
1	GROUP_1	26.48	6	GROUP_6	30.78	-4.31	-0.59	7.04	0.5735
1	GROUP_1	26.48	7	GROUP_7	29.26	-2.79	-0.32	6.99	0.7547
1	GROUP_1	26.48	8	GROUP_8	28.06	-1.58	-0.23	5.97	0.8268
1	GROUP_1	26.48	9	GROUP_9	20.25	6.23	1.07	3.19	0.3607
1	GROUP_1	26.48	10	GROUP_10	18.96	7.52	1.16	4.60	0.3030
1	GROUP_1	26.48	11	GROUP_11	25.08	1.39	0.20	5.68	0.8480

^aLast available body weight interval prior to terminal sacrifice of male groups;
Week 114 data not available due to error.

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