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Chemical Analysis of Fish Tissue: Kentucky Army National Guard Wendell H. Ford Western Kentucky Training Site, Muhlenberg County, Kentucky

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**Chemical Analysis of Fish Tissue:
Kentucky Army National Guard
Wendell H. Ford Western Kentucky Training Site,
Muhlenberg County, Kentucky**

Steven E. Webb, James S. Dinger, and Dennis H. Cumbie

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Chemical Analysis of Fish Tissue: Kentucky Army National Guard Wendell H. Ford Western Kentucky Training Site, Muhlenberg County, Kentucky

Steven E. Webb, James S. Dinger, and Dennis H. Cumbie

Abstract

Thirty-one analytes were measured in fish tissue taken from largemouth bass, catfish, and bluegill harvested from lakes and ponds in reclaimed and unreclaimed coal-mine spoil of Pennsylvanian age. The spoil area is approximately 7,756 acres created primarily from surface mining, and has been used in increasing intensity since 1969 as a training site by the Kentucky Army National Guard. Four fish were harvested for analysis from the area of unreclaimed spoil that resulted from mining prior to 1977, and 15 fish were harvested for analysis from the part of the training facility that was reclaimed by 1985. Twenty-six analytes had values above the method reporting limit, and only one sample, L15-8A, had a mercury concentration of 1.22 mg/kg. This concentration is slightly above the federal Food and Drug Administration action concentration level of 1 mg/kg.

Introduction

A fish tissue analysis was performed by the Kentucky Geological Survey under contracts with the Department of Military Affairs at the Kentucky Army National Guard Wendell H. Ford Western Kentucky Training Site located in Muhlenberg County, Ky. (Fig. 1). These contracts were designed to assess the impacts of current military activities on the quality of surface and groundwater entering and exiting the site. The Western Kentucky Training Site began operation in 1969 and now includes 7,756 acres, of which 80 percent has been mined by both surface- and deep-mine methods. The western part of the site, generally west of Ky. 181, is located on an unreclaimed spoil from surface mining prior to 1977. It is rugged terrain and is for the most part excluded from military activity (Fig. 1). The eastern part is composed of reclaimed mine spoil and has gently rolling topography; it is frequently used for military training. Two areas of extensive wetlands are found on the western edge and through the east-central part of the unreclaimed section.

General Geology

The training site is in the Central City West 7.5-minute quadrangle (Palmer, 1969). It is underlain in the west by the Pennsylvanian Carbondale Formation, consisting of sandstone, shale, and coal (Palmer, 1969). The eastern part of the site is underlain by the Pennsylvanian Shelburn Formation, another sequence

of interbedded sandstone, shale, and coal, with minor limonite and thin carbonates. The two formations are separated by the No. 11 coal seam and the overlying Providence Limestone Member of the Shelburn Formation (Palmer, 1969). The western part of the site is cut by the South Graham and North Graham Faults, two subparallel faults that form a graben to the southwest (Fig. 1). Maximum vertical displacement on both faults is approximately 60 ft, and the structure is approximately 3,000 ft wide.

Methods of Data Collection

One way of assessing water quality in an area is to measure the concentration of suspected contaminant in tissue of aquatic organisms indigenous to the area. Once contaminants reach waters inhabited by aquatic organisms, they may be available for bioaccumulation, either directly or through aquatic food webs. Concentrations of contaminants accumulated in predatory fish can provide an indication of the long-term cumulative effect of the present water quality on the ecosystem.

The nine sites that were chosen for this fish tissue study had to meet certain criteria. Both reclaimed and unreclaimed parts of the training site had to be represented, and they needed to be accessible by boat; sites that were frequently used by National Guard personnel for fishing were emphasized. Personnel from the Kentucky Department of Fish and Wildlife Resources

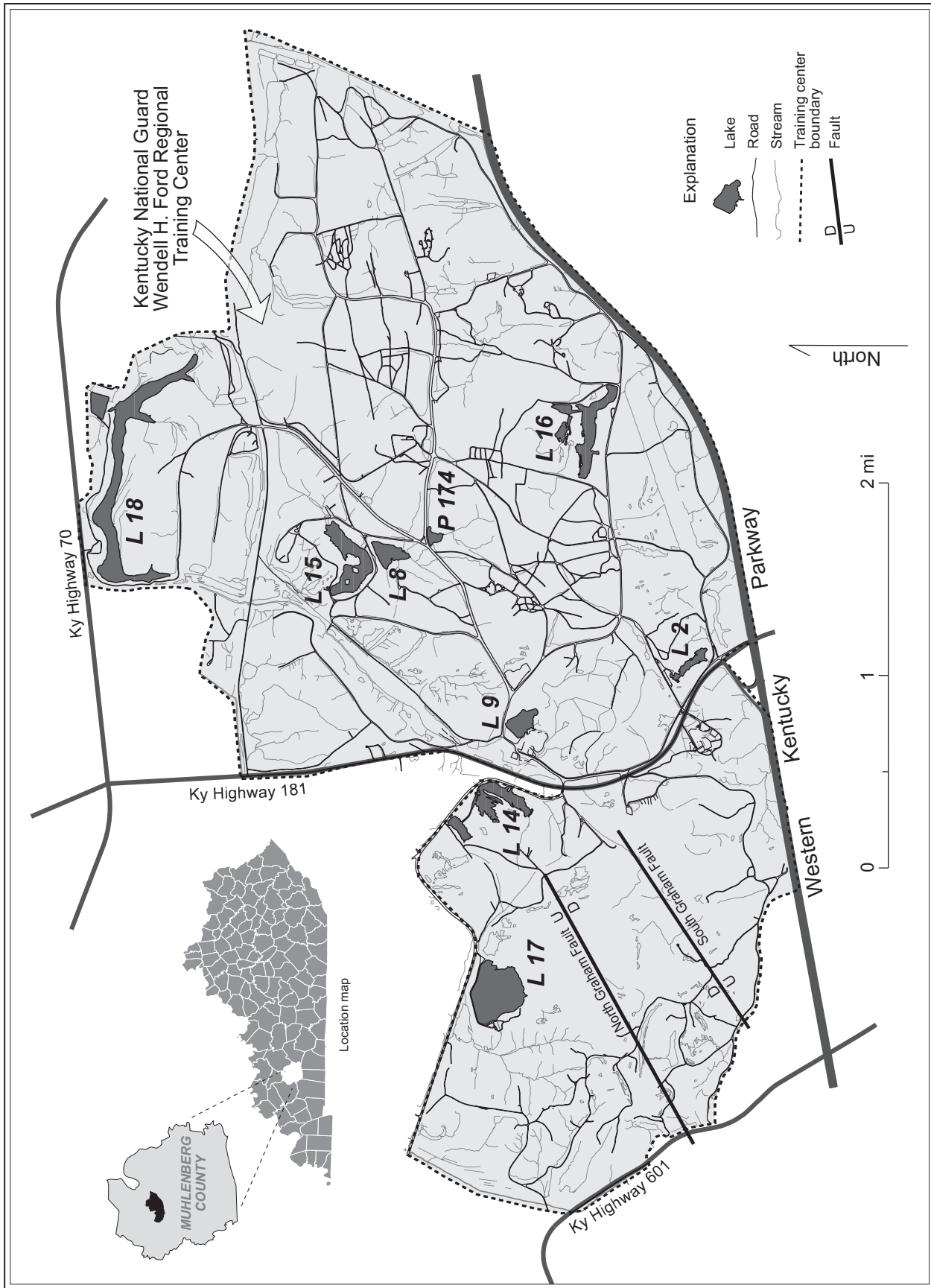


Figure 1. Location of fish tissue sample sites at the Wendell H. Ford Western Kentucky Training Site.

assisted KGS in the collection of fish tissue samples from nine lakes and ponds (Fig. 1). Sites L17 and L14 are located in unreclaimed mine spoil, whereas all other sites are in reclaimed spoil. Fish were shocked, collected, and their length measured. Two to three fish were harvested per site for chemical analysis (Table 1). A filet was taken from each harvested fish, packed with ice, and sent to EnviroData Group for analysis of trace metals and organic contaminants. Table 2 lists the analytes tested, and Appendix A shows the results.

Conclusion

The results show that only 26 analytes had values that were above the method reporting limit. One sample, lake L-15 (largemouth bass), had a mercury concentration of 1.22 mg/kg, only slightly higher than the U.S. Food and Drug Administration's action concentration level of 1 mg/kg (Appendix A). The source for this concentration level is not apparent. All other results were below action concentration levels.

References Cited

Palmer, J., 1969, Geologic map of the Central City West quadrangle, western Kentucky: U.S. Geological Survey Geologic Quadrangle Map GQ-831, scale 1:24,000.

Table 1. Fish harvested from lakes for chemical analysis.

Sample No.	Type of Fish	Length (in.)
L17-1A	bluegill	6
L17-1B	bluegill	7
L17-1C	catfish	12
L14-3A	largemouth bass	12
L14-3B	catfish	22
L9-4A	bluegill	6
L9-4B	catfish	11
L2-5A	bluegill	8
L2-5B	largemouth bass	13
L16-6A	largemouth bass	13
L16-6B	bluegill	6
L8-7A	largemouth bass	14
L8-7B	red ear	7
L15-8A	largemouth bass	13
L15-8B	red ear	7
L18-9A	catfish	16
L18-9B	largemouth bass	13
P174-10A	largemouth bass	11
P174-10B	bluegill	6
P174-10C	bluegill	6

Table 2. Analytes tested for in fish tissue.

4,4-DDD
4,4-DDE
4,4-DDT
aldrin
alpha chlordane
alpha-BHC
beta-BHC
chlordane
delta-BHC
dieldrin
endosulfan I
endosulfan II
endosulfan sulfate
endrin
endrin aldehyde
endrin ketone
gamma chlordane
gamma-BHC
heptachlor
heptachlor epoxide
methoxychlor
toxaphene
total mercury
total arsenic
total barium
total cadmium
total chromium
total lead
total silver
total selenium
total lipids

Appendix A: Fish Tissue Results

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L17-1A	6/14/2001	bluegill	4,4'-DDD	<MRL	mg/kg	0.467	SW8081	0	5	
L17-1A	6/14/2001	bluegill	4,4'-DDE	<MRL	mg/kg	0.467	SW8081	0	5	
L17-1A	6/14/2001	bluegill	4,4'-DDT	<MRL	mg/kg	0.467	SW8081	0	5	
L17-1A	6/14/2001	bluegill	aldrin	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	alpha chlordane	<MRL	mg/kg	0.467	SW8081	0	0.3	
L17-1A	6/14/2001	bluegill	alpha-BHC	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	beta-BHC	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	chlordane	<MRL	mg/kg	0.467	SW8081	0	0.3	
L17-1A	6/14/2001	bluegill	delta-BHC	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	dieldrin	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	endosulfan I	<MRL	mg/kg	0.467	SW8081	0		60
L17-1A	6/14/2001	bluegill	endosulfan II	<MRL	mg/kg	0.467	SW8081	0		60
L17-1A	6/14/2001	bluegill	endosulfan sulfate	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	endrin	<MRL	mg/kg	0.467	SW8081	0	0.3	30
L17-1A	6/14/2001	bluegill	endrin aldehyde	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	endrin ketone	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	gamma chlordane	<MRL	mg/kg	0.467	SW8081	0	0.3	
L17-1A	6/14/2001	bluegill	gamma-BHC	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	heptachlor	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	heptachlor epoxide	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	methoxychlor	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	toxaphene	<MRL	mg/kg	0.467	SW8081	0		
L17-1A	6/14/2001	bluegill	total mercury	0.011	mg/kg	0.0094	EPA245.5/SW7471A	0.011	1	0.6
L17-1A	6/14/2001	bluegill	total arsenic	<MRL	mg/kg	1.17	SW6010B	0.656		
L17-1A	6/14/2001	bluegill	total barium	<MRL	mg/kg	0.233	SW6010B	0.0023		
L17-1A	6/14/2001	bluegill	total cadmium	<MRL	mg/kg	0.117	SW6010B	-0.1074		
L17-1A	6/14/2001	bluegill	total chromium	<MRL	mg/kg	0.233	SW6010B	0.014		
L17-1A	6/14/2001	bluegill	total lead	<MRL	mg/kg	1.17	SW6010B	0.247		
L17-1A	6/14/2001	bluegill	total selenium	<MRL	mg/kg	1.17	SW6010B	0.504		
L17-1A	6/14/2001	bluegill	total silver	<MRL	mg/kg	0.233	SW6010B	-0.0163		
L17-1A	6/14/2001	bluegill	lipids, total	<MRL	% lipids	1	AOAC18.046	0.17		
L17-1B	6/14/2001	bluegill	4,4'-DDD	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	4,4'-DDE	<MRL	mg/kg	0.55	SW8081	0	5	
L17-1B	6/14/2001	bluegill	4,4'-DDT	<MRL	mg/kg	0.55	SW8081	0	5	
L17-1B	6/14/2001	bluegill	aldrin	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	alpha chlordane	<MRL	mg/kg	0.55	SW8081	0	0.3	
L17-1B	6/14/2001	bluegill	alpha-BHC	<MRL	mg/kg	0.55	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L17-1B	6/14/2001	bluegill	beta-BHC	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	chlordane	<MRL	mg/kg	0.55	SW8081	0	0.3	
L17-1B	6/14/2001	bluegill	delta-BHC	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	dieldrin	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	endosulfan I	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	endosulfan II	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	endosulfan sulfate	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	endrin	<MRL	mg/kg	0.55	SW8081	0	0.3	
L17-1B	6/14/2001	bluegill	endrin aldehyde	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	endrin ketone	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	gamma chlordane	<MRL	mg/kg	0.55	SW8081	0	0.3	
L17-1B	6/14/2001	bluegill	gamma-BHC	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	heptachlor	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	heptachlor epoxide	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	methoxychlor	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	total mercury	0.228	mg/kg	0.0097	EPA245.5/SW7471A	0.228	1	
L17-1B	6/14/2001	bluegill	toxaphene	<MRL	mg/kg	0.55	SW8081	0		
L17-1B	6/14/2001	bluegill	total barium	1.28	mg/kg	0.25	SW6010B	1.28		
L17-1B	6/14/2001	bluegill	total arsenic	<MRL	mg/kg	1.25	SW6010B	0.361		
L17-1B	6/14/2001	bluegill	total cadmium	<MRL	mg/kg	0.125	SW6010B	-0.03		
L17-1B	6/14/2001	bluegill	total chromium	<MRL	mg/kg	0.25	SW6010B	0.08		
L17-1B	6/14/2001	bluegill	total lead	3.32	mg/kg	1.25	SW6010B	3.32		
L17-1B	6/14/2001	bluegill	total selenium	<MRL	mg/kg	1.25	SW6010B	0.411		
L17-1B	6/14/2001	bluegill	lipids, total	<MRL	% lipids	1	AOAC18.046	0.3		
L17-1B	6/14/2001	bluegill	total silver	<MRL	mg/kg	0.25	SW6010B	-0.01		
L17-1C	6/14/2001	catfish	4,4'-DDD	<MRL	mg/kg	0.333	SW8081	0	5	
L17-1C	6/14/2001	catfish	4,4'-DDE	<MRL	mg/kg	0.333	SW8081	0	5	
L17-1C	6/14/2001	catfish	4,4'-DDT	<MRL	mg/kg	0.333	SW8081	0	5	
L17-1C	6/14/2001	catfish	aldrin	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	alpha chlordane	<MRL	mg/kg	0.333	SW8081	0	0.3	
L17-1C	6/14/2001	catfish	alpha-BHC	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	beta-BHC	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	chlordane	<MRL	mg/kg	0.333	SW8081	0	0.3	
L17-1C	6/14/2001	catfish	delta-BHC	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	dieldrin	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	endosulfan I	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	endosulfan II	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	endosulfan sulfate	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	endrin	<MRL	mg/kg	0.333	SW8081	0	0.3	

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L17-1C	6/14/2001	catfish	endrin aldehyde	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	endrin ketone	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	gamma chlordane	<MRL	mg/kg	0.333	SW8081	0	0.3	
L17-1C	6/14/2001	catfish	gamma-BHC	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	heptachlor	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	heptachlor epoxide	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	methoxychlor	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	toxaphene	<MRL	mg/kg	0.333	SW8081	0		
L17-1C	6/14/2001	catfish	total mercury	0.03	mg/kg	0.0093	EPA245.5/SW7471A	0.03	1	
L17-1C	6/14/2001	catfish	total arsenic	<MRL	mg/kg	1.25	SW6010B	0.442		
L17-1C	6/14/2001	catfish	total barium	<MRL	mg/kg	0.25	SW6010B	-0.0325		
L17-1C	6/14/2001	catfish	total cadmium	<MRL	mg/kg	0.125	SW6010B	-0.0625		
L17-1C	6/14/2001	catfish	total chromium	<MRL	mg/kg	0.25	SW6010B	0.043		
L17-1C	6/14/2001	catfish	total lead	<MRL	mg/kg	1.25	SW6010B	-0.51719999		
L17-1C	6/14/2001	catfish	total selenium	<MRL	mg/kg	1.25	SW6010B	0.16		
L17-1C	6/14/2001	catfish	total silver	<MRL	mg/kg	0.25	SW6010B	-0.045		
L17-1C	6/14/2001	catfish	lipids, total	<MRL	% lipids	1	AOAC18.046	0.15		
L14-3A	6/14/2001	largemouth bass	4,4'-DDD	<MRL	mg/kg	0.322	SW8081	0	5	
L14-3A	6/14/2001	largemouth bass	4,4'-DDE	<MRL	mg/kg	0.322	SW8081	0	5	
L14-3A	6/14/2001	largemouth bass	4,4'-DDT	<MRL	mg/kg	0.322	SW8081	0	5	
L14-3A	6/14/2001	largemouth bass	aldrin	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	alpha chlordane	<MRL	mg/kg	0.322	SW8081	0	0.3	
L14-3A	6/14/2001	largemouth bass	alpha-BHC	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	beta-BHC	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	chlordane	<MRL	mg/kg	0.322	SW8081	0	0.3	
L14-3A	6/14/2001	largemouth bass	delta-BHC	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	dieldrin	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	endosulfan I	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	endosulfan II	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	endosulfan sulfate	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	endrin	<MRL	mg/kg	0.322	SW8081	0	0.3	
L14-3A	6/14/2001	largemouth bass	endrin aldehyde	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	endrin ketone	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	gamma chlordane	<MRL	mg/kg	0.322	SW8081	0	0.3	
L14-3A	6/14/2001	largemouth bass	gamma-BHC	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	heptachlor	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	heptachlor epoxide	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	methoxychlor	<MRL	mg/kg	0.322	SW8081	0		
L14-3A	6/14/2001	largemouth bass	toxaphene	<MRL	mg/kg	0.322	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L14-3A	6/14/2001	largemouth bass	total mercury	0.174	mg/kg	0.0088	EPA245.5/SW7471A	0.174	1	
L14-3A	6/14/2001	largemouth bass	total arsenic	<MRL	mg/kg	1.18	SW6010B	0.976		
L14-3A	6/14/2001	largemouth bass	total barium	<MRL	mg/kg	0.236	SW6010B	-0.0425		
L14-3A	6/14/2001	largemouth bass	total cadmium	<MRL	mg/kg	0.118	SW6010B	-0.0733		
L14-3A	6/14/2001	largemouth bass	total chromium	<MRL	mg/kg	0.236	SW6010B	0.021		
L14-3A	6/14/2001	largemouth bass	total lead	<MRL	mg/kg	1.18	SW6010B	-0.2033		
L14-3A	6/14/2001	largemouth bass	total selenium	<MRL	mg/kg	1.18	SW6010B	0.518		
L14-3A	6/14/2001	largemouth bass	total silver	<MRL	mg/kg	0.236	SW6010B	-0.0024		
L14-3A	6/14/2001	largemouth bass	lipids, total	<MRL	% lipids	1	AOAC18.046	0.14		
L14-3B	6/14/2001	catfish	4,4'-DDD	<MRL	mg/kg	0.324	SW8081	0	5	
L14-3B	6/14/2001	catfish	4,4'-DDE	<MRL	mg/kg	0.324	SW8081	0	5	
L14-3B	6/14/2001	catfish	4,4'-DDT	<MRL	mg/kg	0.324	SW8081	0	5	
L14-3B	6/14/2001	catfish	aldrin	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	alpha chlordane	<MRL	mg/kg	0.324	SW8081	0	0.3	
L14-3B	6/14/2001	catfish	alpha-BHC	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	beta-BHC	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	chlordane	<MRL	mg/kg	0.324	SW8081	0	0.3	
L14-3B	6/14/2001	catfish	delta-BHC	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	dieldrin	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	endosulfan I	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	endosulfan II	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	endosulfan sulfate	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	endrin	<MRL	mg/kg	0.324	SW8081	0	0.3	
L14-3B	6/14/2001	catfish	endrin aldehyde	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	endrin ketone	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	gamma chlordane	<MRL	mg/kg	0.324	SW8081	0	0.3	
L14-3B	6/14/2001	catfish	gamma-BHC	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	heptachlor	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	heptachlor epoxide	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	methoxychlor	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	toxaphene	<MRL	mg/kg	0.324	SW8081	0		
L14-3B	6/14/2001	catfish	total mercury	<MRL	mg/kg	0.0088	EPA245.5/SW7471A	-0.006	1	
L14-3B	6/14/2001	catfish	total arsenic	<MRL	mg/kg	1.19	SW6010B	0.136		
L14-3B	6/14/2001	catfish	total barium	<MRL	mg/kg	0.239	SW6010B	-0.0549		
L14-3B	6/14/2001	catfish	total cadmium	<MRL	mg/kg	0.119	SW6010B	-0.0597		
L14-3B	6/14/2001	catfish	total chromium	<MRL	mg/kg	0.239	SW6010B	0.06		
L14-3B	6/14/2001	catfish	total lead	<MRL	mg/kg	1.19	SW6010B	-0.32449999		
L14-3B	6/14/2001	catfish	total selenium	<MRL	mg/kg	1.19	SW6010B	0.31		
L14-3B	6/14/2001	catfish	total silver	<MRL	mg/kg	0.239	SW6010B	-0.0525		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L14-3B	6/14/2001	catfish	lipids, total	2.64	% lipids	1	AOAC18.046	2.64		
L9-4A	6/14/2001	bluegill	4,4'-DDD	<MRL	mg/kg	0.362	SW8081	0	5	
L9-4A	6/14/2001	bluegill	4,4'-DDE	<MRL	mg/kg	0.362	SW8081	0	5	
L9-4A	6/14/2001	bluegill	4,4'-DDT	<MRL	mg/kg	0.362	SW8081	0	5	
L9-4A	6/14/2001	bluegill	aldrin	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	alpha chlordane	<MRL	mg/kg	0.362	SW8081	0	0.3	
L9-4A	6/14/2001	bluegill	alpha-BHC	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	beta-BHC	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	chlordane	<MRL	mg/kg	0.362	SW8081	0	0.3	
L9-4A	6/14/2001	bluegill	delta-BHC	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	dieldrin	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	endosulfan I	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	endosulfan II	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	endosulfan sulfate	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	endrin	<MRL	mg/kg	0.362	SW8081	0	0.3	
L9-4A	6/14/2001	bluegill	endrin aldehyde	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	endrin ketone	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	gamma chlordane	<MRL	mg/kg	0.362	SW8081	0	0.3	
L9-4A	6/14/2001	bluegill	gamma-BHC	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	heptachlor	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	heptachlor epoxide	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	methoxychlor	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	toxaphene	<MRL	mg/kg	0.362	SW8081	0		
L9-4A	6/14/2001	bluegill	total mercury	<MRL	mg/kg	0.0091	EPA245.5/SW7471A	-0.007	1	
L9-4A	6/14/2001	bluegill	total arsenic	<MRL	mg/kg	1.26	SW6010B	0.574		
L9-4A	6/14/2001	bluegill	total barium	0.453	mg/kg	0.252	SW6010B	0.453		
L9-4A	6/14/2001	bluegill	total cadmium	<MRL	mg/kg	0.126	SW6010B	-0.0932		
L9-4A	6/14/2001	bluegill	total chromium	<MRL	mg/kg	0.252	SW6010B	0.023		
L9-4A	6/14/2001	bluegill	total lead	<MRL	mg/kg	1.26	SW6010B	-0.5869		
L9-4A	6/14/2001	bluegill	total selenium	<MRL	mg/kg	1.26	SW6010B	1.17		
L9-4A	6/14/2001	bluegill	total silver	<MRL	mg/kg	0.252	SW6010B	-0.005		
L9-4A	6/14/2001	bluegill	lipids, total	<MRL	% lipids	1	AOAC18.046	0.12		
L9-4B	6/14/2001	catfish	4,4'-DDD	<MRL	mg/kg	0.331	SW8081	0	5	
L9-4B	6/14/2001	catfish	4,4'-DDE	<MRL	mg/kg	0.331	SW8081	0	5	
L9-4B	6/14/2001	catfish	4,4'-DDT	<MRL	mg/kg	0.331	SW8081	0	5	
L9-4B	6/14/2001	catfish	aldrin	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	alpha chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
L9-4B	6/14/2001	catfish	alpha-BHC	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	beta-BHC	<MRL	mg/kg	0.331	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L9-4B	6/14/2001	catfish	chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
L9-4B	6/14/2001	catfish	delta-BHC	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	dieldrin	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	endosulfan I	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	endosulfan II	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	endosulfan sulfate	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	endrin	<MRL	mg/kg	0.331	SW8081	0	0.3	
L9-4B	6/14/2001	catfish	endrin aldehyde	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	endrin ketone	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	gamma chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
L9-4B	6/14/2001	catfish	gamma-BHC	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	heptachlor	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	heptachlor epoxide	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	methoxychlor	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	toxaphene	<MRL	mg/kg	0.331	SW8081	0		
L9-4B	6/14/2001	catfish	total mercury	0.1	mg/kg	0.0098	EPA245.5/SW7471A	0.1	1	
L9-4B	6/14/2001	catfish	total arsenic	<MRL	mg/kg	1.23	SW6010B	0.474		
L9-4B	6/14/2001	catfish	total barium	<MRL	mg/kg	0.247	SW6010B	-0.0074		
L9-4B	6/14/2001	catfish	total cadmium	<MRL	mg/kg	0.123	SW6010B	-0.0863		
L9-4B	6/14/2001	catfish	total chromium	<MRL	mg/kg	0.247	SW6010B	-0.0395		
L9-4B	6/14/2001	catfish	total lead	<MRL	mg/kg	1.23	SW6010B	-0.36250001		
L9-4B	6/14/2001	catfish	total selenium	<MRL	mg/kg	1.23	SW6010B	0.321		
L9-4B	6/14/2001	catfish	total silver	<MRL	mg/kg	0.247	SW6010B	0		
L9-4B	6/14/2001	catfish	lipids, total	<MRL	% lipids	1	AOAC18.046	0.08		
L2-5A	6/14/2001	bluegill	4,4'-DDD	<MRL	mg/kg	0.329	SW8081	0	5	
L2-5A	6/14/2001	bluegill	4,4'-DDE	<MRL	mg/kg	0.329	SW8081	0	5	
L2-5A	6/14/2001	bluegill	4,4'-DDT	<MRL	mg/kg	0.329	SW8081	0	5	
L2-5A	6/14/2001	bluegill	aldrin	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	alpha chlordane	<MRL	mg/kg	0.329	SW8081	0	0.3	
L2-5A	6/14/2001	bluegill	alpha-BHC	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	beta-BHC	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	chlordane	<MRL	mg/kg	0.329	SW8081	0	0.3	
L2-5A	6/14/2001	bluegill	delta-BHC	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	dieldrin	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	endosulfan I	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	endosulfan II	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	endosulfan sulfate	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	endrin	<MRL	mg/kg	0.329	SW8081	0	0.3	

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L2-5A	6/14/2001	bluegill	endrin aldehyde	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	endrin ketone	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	gamma chlordane	<MRL	mg/kg	0.329	SW8081	0	0.3	
L2-5A	6/14/2001	bluegill	gamma-BHC	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	heptachlor	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	heptachlor epoxide	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	methoxychlor	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	toxaphene	<MRL	mg/kg	0.329	SW8081	0		
L2-5A	6/14/2001	bluegill	total mercury	<MRL	mg/kg	0.0087	EPA245.5/SW7471A	0.0037	1	
L2-5A	6/14/2001	bluegill	total arsenic	<MRL	mg/kg	1.2	SW6010B	0.313		
L2-5A	6/14/2001	bluegill	total barium	<MRL	mg/kg	0.241	SW6010B	0.026		
L2-5A	6/14/2001	bluegill	total cadmium	<MRL	mg/kg	0.12	SW6010B	-0.0482		
L2-5A	6/14/2001	bluegill	total chromium	<MRL	mg/kg	0.241	SW6010B	0.087		
L2-5A	6/14/2001	bluegill	total lead	<MRL	mg/kg	1.2	SW6010B	0.108		
L2-5A	6/14/2001	bluegill	total selenium	<MRL	mg/kg	1.2	SW6010B	0.258		
L2-5A	6/14/2001	bluegill	total silver	<MRL	mg/kg	0.241	SW6010B	-0.0313		
L2-5A	6/14/2001	bluegill	lipids, total	<MRL	% lipids	1	AOAC18.046	0.85		
L2-5B	6/14/2001	largemouth bass	4,4'-DDD	<MRL	mg/kg	0.327	SW8081	0	5	
L2-5B	6/14/2001	largemouth bass	4,4'-DDE	<MRL	mg/kg	0.327	SW8081	0	5	
L2-5B	6/14/2001	largemouth bass	4,4'-DDT	<MRL	mg/kg	0.327	SW8081	0	5	
L2-5B	6/14/2001	largemouth bass	aldrin	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	alpha chlordane	<MRL	mg/kg	0.327	SW8081	0	0.3	
L2-5B	6/14/2001	largemouth bass	alpha-BHC	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	beta-BHC	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	chlordane	<MRL	mg/kg	0.327	SW8081	0	0.3	
L2-5B	6/14/2001	largemouth bass	delta-BHC	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	dieldrin	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	endosulfan I	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	endosulfan II	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	endosulfan sulfate	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	endrin	<MRL	mg/kg	0.327	SW8081	0	0.3	
L2-5B	6/14/2001	largemouth bass	endrin aldehyde	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	endrin ketone	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	gamma chlordane	<MRL	mg/kg	0.327	SW8081	0	0.3	
L2-5B	6/14/2001	largemouth bass	gamma-BHC	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	heptachlor	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	heptachlor epoxide	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	methoxychlor	<MRL	mg/kg	0.327	SW8081	0		
L2-5B	6/14/2001	largemouth bass	toxaphene	<MRL	mg/kg	0.327	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L2-5B	6/14/2001	largemouth bass	total mercury	0.037	mg/kg	0.0096	EPA245.5/SW7471A	0.037	1	
L2-5B	6/14/2001	largemouth bass	total arsenic	<MRL	mg/kg	1.24	SW6010B	0.887		
L2-5B	6/14/2001	largemouth bass	total barium	<MRL	mg/kg	0.247	SW6010B	-0.0222		
L2-5B	6/14/2001	largemouth bass	total cadmium	<MRL	mg/kg	0.123	SW6010B	-0.0692		
L2-5B	6/14/2001	largemouth bass	total chromium	<MRL	mg/kg	0.247	SW6010B	0.0074		
L2-5B	6/14/2001	largemouth bass	total lead	<MRL	mg/kg	1.24	SW6010B	-0.252		
L2-5B	6/14/2001	largemouth bass	total selenium	<MRL	mg/kg	1.24	SW6010B	0.375		
L2-5B	6/14/2001	largemouth bass	total silver	<MRL	mg/kg	0.247	SW6010B	-0.0568		
L2-5B	6/14/2001	largemouth bass	lipids, total	1.32	% lipids	1	AOAC18.046	1.32		
L16-6A	6/14/2001	largemouth bass	4,4'-DDD	<MRL	mg/kg	0.337	SW8081	0	5	
L16-6A	6/14/2001	largemouth bass	4,4'-DDE	<MRL	mg/kg	0.337	SW8081	0	5	
L16-6A	6/14/2001	largemouth bass	4,4'-DDT	<MRL	mg/kg	0.337	SW8081	0	5	
L16-6A	6/14/2001	largemouth bass	aldrin	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	alpha chlordane	<MRL	mg/kg	0.337	SW8081	0	0.3	
L16-6A	6/14/2001	largemouth bass	alpha-BHC	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	beta-BHC	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	chlordane	<MRL	mg/kg	0.337	SW8081	0	0.3	
L16-6A	6/14/2001	largemouth bass	delta-BHC	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	dieldrin	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	endosulfan I	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	endosulfan II	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	endosulfan sulfate	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	endrin	<MRL	mg/kg	0.337	SW8081	0	0.3	
L16-6A	6/14/2001	largemouth bass	endrin aldehyde	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	endrin ketone	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	gamma chlordane	<MRL	mg/kg	0.337	SW8081	0	0.3	
L16-6A	6/14/2001	largemouth bass	gamma-BHC	7.41	mg/kg	0.337	SW8081	7.41		
L16-6A	6/14/2001	largemouth bass	heptachlor	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	heptachlor epoxide	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	methoxychlor	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	toxaphene	<MRL	mg/kg	0.337	SW8081	0		
L16-6A	6/14/2001	largemouth bass	total mercury	0.034	mg/kg	0.0096	EPA245.5/SW7471A	0.034	1	
L16-6A	6/14/2001	largemouth bass	total arsenic	<MRL	mg/kg	1.16	SW6010B	0.544		
L16-6A	6/14/2001	largemouth bass	total barium	<MRL	mg/kg	0.233	SW6010B	-0.0116		
L16-6A	6/14/2001	largemouth bass	total cadmium	<MRL	mg/kg	0.116	SW6010B	-0.0326		
L16-6A	6/14/2001	largemouth bass	total chromium	<MRL	mg/kg	0.233	SW6010B	0.026		
L16-6A	6/14/2001	largemouth bass	total lead	<MRL	mg/kg	1.16	SW6010B	-0.57480001		
L16-6A	6/14/2001	largemouth bass	total selenium	<MRL	mg/kg	1.16	SW6010B	0.149		
L16-6A	6/14/2001	largemouth bass	total silver	<MRL	mg/kg	0.233	SW6010B	-0.0628		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L16-6A	6/14/2001	largemouth bass	lipids, total	<MRL	% lipids	1	AOAC18.046	0.16		
L16-6B	6/14/2001	bluegill	4,4'-DDD	<MRL	mg/kg	0.331	SW8081	0	5	
L16-6B	6/14/2001	bluegill	4,4'-DDE	<MRL	mg/kg	0.331	SW8081	0	5	
L16-6B	6/14/2001	bluegill	4,4'-DDT	<MRL	mg/kg	0.331	SW8081	0	5	
L16-6B	6/14/2001	bluegill	aldrin	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	alpha chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
L16-6B	6/14/2001	bluegill	alpha-BHC	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	beta-BHC	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
L16-6B	6/14/2001	bluegill	delta-BHC	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	dieldrin	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	endosulfan I	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	endosulfan II	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	endosulfan sulfate	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	endrin	<MRL	mg/kg	0.331	SW8081	0	0.3	
L16-6B	6/14/2001	bluegill	endrin aldehyde	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	endrin ketone	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	gamma chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
L16-6B	6/14/2001	bluegill	gamma-BHC	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	heptachlor	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	heptachlor epoxide	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	methoxychlor	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	toxaphene	<MRL	mg/kg	0.331	SW8081	0		
L16-6B	6/14/2001	bluegill	total mercury	0.065	mg/kg	0.0097	EPA245.5/SW7471A	0.065	1	
L16-6B	6/14/2001	bluegill	total arsenic	<MRL	mg/kg	1.18	SW6010B	0.992		
L16-6B	6/14/2001	bluegill	total barium	<MRL	mg/kg	0.235	SW6010B	0.021		
L16-6B	6/14/2001	bluegill	total cadmium	<MRL	mg/kg	0.118	SW6010B	-0.047		
L16-6B	6/14/2001	bluegill	total chromium	<MRL	mg/kg	0.235	SW6010B	0.209		
L16-6B	6/14/2001	bluegill	total lead	<MRL	mg/kg	1.18	SW6010B	-0.4632		
L16-6B	6/14/2001	bluegill	total silver	<MRL	mg/kg	0.235	SW6010B	-0.047		
L16-6B	6/14/2001	bluegill	total selenium	<MRL	mg/kg	1.18	SW6010B	0.654		
L16-6B	6/14/2001	bluegill	lipids, total	<MRL	% lipids	1	AOAC18.046	0.45		
L8-7A	6/14/2001	largemouth bass	4,4'-DDD	<MRL	mg/kg	0.338	SW8081	0	5	
L8-7A	6/14/2001	largemouth bass	4,4'-DDE	<MRL	mg/kg	0.338	SW8081	0	5	
L8-7A	6/14/2001	largemouth bass	4,4'-DDT	<MRL	mg/kg	0.338	SW8081	0	5	
L8-7A	6/14/2001	largemouth bass	aldrin	<MRL	mg/kg	0.338	SW8081	0		
LB-7A	6/14/2001	largemouth bass	alpha chlordane	<MRL	mg/kg	0.338	SW8081	0	0.3	
LB-7A	6/14/2001	largemouth bass	alpha-BHC	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	beta-BHC	<MRL	mg/kg	0.338	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L8-7A	6/14/2001	largemouth bass	chlordane	<MRL	mg/kg	0.338	SW8081	0	0.3	
L8-7A	6/14/2001	largemouth bass	delta-BHC	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	dieldrin	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	endosulfan I	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	endosulfan II	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	endosulfan sulfate	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	endrin	<MRL	mg/kg	0.338	SW8081	0	0.3	
L8-7A	6/14/2001	largemouth bass	endrin aldehyde	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	endrin ketone	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	gamma chlordane	<MRL	mg/kg	0.338	SW8081	0	0.3	
L8-7A	6/14/2001	largemouth bass	gamma-BHC	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	heptachlor	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	heptachlor epoxide	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	methoxychlor	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	toxaphene	<MRL	mg/kg	0.338	SW8081	0		
L8-7A	6/14/2001	largemouth bass	total mercury	0.057	mg/kg	0.0098	EPA245.5/SW7471A	0.057	1	
L8-7A	6/14/2001	largemouth bass	total arsenic	<MRL	mg/kg	1.24	SW6010B	0.335		
L8-7A	6/14/2001	largemouth bass	total barium	<MRL	mg/kg	0.248	SW6010B	-0.0075		
L8-7A	6/14/2001	largemouth bass	total cadmium	<MRL	mg/kg	0.124	SW6010B	-0.0969		
L8-7A	6/14/2001	largemouth bass	total chromium	<MRL	mg/kg	0.248	SW6010B	0.211		
L8-7A	6/14/2001	largemouth bass	total lead	<MRL	mg/kg	1.24	SW6010B	-0.2509		
L8-7A	6/14/2001	largemouth bass	total selenium	<MRL	mg/kg	1.24	SW6010B	0.268		
L8-7A	6/14/2001	largemouth bass	total silver	<MRL	mg/kg	0.248	SW6010B	-0.0323		
L8-7A	6/14/2001	largemouth bass	lipids, total	<MRL	% lipids	1	AOAC18.046	0.32		
L8-7B	6/14/2001	red ear	4,4'-DDE	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	4,4'-DDD	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	4,4'-DDT	<MRL	mg/kg	0.33	SW8081	0	5	
L8-7B	6/14/2001	red ear	aldrin	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	alpha chlordane	<MRL	mg/kg	0.33	SW8081	0	0.3	
L8-7B	6/14/2001	red ear	alpha-BHC	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	beta-BHC	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	chlordane	<MRL	mg/kg	0.33	SW8081	0	0.3	
L8-7B	6/14/2001	red ear	delta-BHC	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	dieldrin	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	endosulfan I	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	endosulfan II	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	endosulfan sulfate	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	endrin	<MRL	mg/kg	0.33	SW8081	0	0.3	
L8-7B	6/14/2001	red ear	endrin aldehyde	<MRL	mg/kg	0.33	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L8-7B	6/14/2001	red ear	endrin ketone	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	gamma chlordane	<MRL	mg/kg	0.33	SW8081	0	0.3	
L8-7B	6/14/2001	red ear	gamma-BHC	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	heptachlor	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	heptachlor epoxide	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	methoxychlor	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	toxaphene	<MRL	mg/kg	0.33	SW8081	0		
L8-7B	6/14/2001	red ear	total arsenic	<MRL	mg/kg	1.24	SW6010B	0.801		
L8-7B	6/14/2001	red ear	total mercury	0.03	mg/kg	0.0086	EPA245.5/SW7471A	0.03	1	
L8-7B	6/14/2001	red ear	total cadmium	<MRL	mg/kg	0.124	SW6010B	-0.1095		
L8-7B	6/14/2001	red ear	total barium	0.403	mg/kg	0.249	SW6010B	0.403		
L8-7B	6/14/2001	red ear	total chromium	<MRL	mg/kg	0.249	SW6010B	0.112		
L8-7B	6/14/2001	red ear	total lead	<MRL	mg/kg	1.24	SW6010B	-0.51499999		
L8-7B	6/14/2001	red ear	total selenium	<MRL	mg/kg	1.24	SW6010B	0.097		
L8-7B	6/14/2001	red ear	total silver	<MRL	mg/kg	0.249	SW6010B	-0.0274		
L8-7B	6/14/2001	red ear	lipids, total	<MRL	% lipids	1	AOAC18.046	0.08		
L15-8A	6/14/2001	largemouth bass	4,4'-DDE	<MRL	mg/kg	0.329	SW8081	0	5	
L15-8A	6/14/2001	largemouth bass	4,4'-DDD	<MRL	mg/kg	0.329	SW8081	0	5	
L15-8A	6/14/2001	largemouth bass	4,4'-DDT	<MRL	mg/kg	0.329	SW8081	0	5	
L15-8A	6/14/2001	largemouth bass	aldrin	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	alpha chlordane	<MRL	mg/kg	0.329	SW8081	0	0.3	
L15-8A	6/14/2001	largemouth bass	beta-BHC	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	chlordane	<MRL	mg/kg	0.329	SW8081	0	0.3	
L15-8A	6/14/2001	largemouth bass	delta-BHC	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	endosulfan I	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	endosulfan II	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	endosulfan sulfate	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	endrin	<MRL	mg/kg	0.329	SW8081	0	0.3	
L15-8A	6/14/2001	largemouth bass	endrin aldehyde	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	endrin ketone	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	gamma chlordane	<MRL	mg/kg	0.329	SW8081	0	0.3	
L15-8A	6/14/2001	largemouth bass	gamma-BHC	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	heptachlor	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	heptachlor epoxide	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	methoxychlor	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	toxaphene	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	total mercury	1.22	mg/kg	0.047	EPA245.5/SW7471A	1.22	1	
L15-8A	6/14/2001	largemouth bass	total arsenic	<MRL	mg/kg	1.27	SW6010B	0.451		
L15-8A	6/14/2001	largemouth bass	dieldrin	<MRL	mg/kg	0.329	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L15-8A	6/14/2001	largemouth bass	total cadmium	<MRL	mg/kg	0.127	SW6010B	-0.0684		
L15-8A	6/14/2001	largemouth bass	total chromium	0.279	mg/kg	0.253	SW6010B	0.279		
L15-8A	6/14/2001	largemouth bass	total barium	<MRL	mg/kg	0.253	SW6010B	0.094		
L15-8A	6/14/2001	largemouth bass	total selenium	<MRL	mg/kg	1.27	SW6010B	0.101		
L15-8A	6/14/2001	largemouth bass	total silver	<MRL	mg/kg	0.253	SW6010B	-0.0253		
L15-8A	6/14/2001	largemouth bass	lipids, total	<MRL	% lipids	1	AOAC18.046	0.32		
L15-8A	6/14/2001	largemouth bass	alpha-BHC	<MRL	mg/kg	0.329	SW8081	0		
L15-8A	6/14/2001	largemouth bass	total lead	<MRL	mg/kg	1.27	SW6010B	-0.45070001		
L15-8B	6/14/2001	red ear	4,4'-DDD	<MRL	mg/kg	0.332	SW8081	0	5	
L15-8B	6/14/2001	red ear	4,4'-DDE	<MRL	mg/kg	0.332	SW8081	0	5	
L15-8B	6/14/2001	red ear	4,4'-DDT	<MRL	mg/kg	0.332	SW8081	0	5	
L15-8B	6/14/2001	red ear	aldrin	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	alpha chlordane	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	alpha-BHC	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	beta-BHC	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	chlordane	<MRL	mg/kg	0.332	SW8081	0	0.3	
L15-8B	6/14/2001	red ear	delta-BHC	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	dieldrin	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	endosulfan I	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	endosulfan II	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	endosulfan sulfate	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	endrin	<MRL	mg/kg	0.332	SW8081	0	0.3	
L15-8B	6/14/2001	red ear	endrin aldehyde	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	endrin ketone	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	gamma chlordane	<MRL	mg/kg	0.332	SW8081	0	0.3	
L15-8B	6/14/2001	red ear	gamma-BHC	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	heptachlor	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	heptachlor epoxide	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	methoxychlor	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	toxaphene	<MRL	mg/kg	0.332	SW8081	0		
L15-8B	6/14/2001	red ear	total mercury	<MRL	mg/kg	0.0096	EPA245.5/SW7471A	0.0044	1	
L15-8B	6/14/2001	red ear	total arsenic	<MRL	mg/kg	1.25	SW6010B	0.637		
L15-8B	6/14/2001	red ear	total barium	<MRL	mg/kg	0.25	SW6010B	0.065		
L15-8B	6/14/2001	red ear	total cadmium	<MRL	mg/kg	0.125	SW6010B	-0.0875		
L15-8B	6/14/2001	red ear	total chromium	<MRL	mg/kg	0.25	SW6010B	0.153		
L15-8B	6/14/2001	red ear	total lead	<MRL	mg/kg	1.25	SW6010B	0.365		
L15-8B	6/14/2001	red ear	total selenium	<MRL	mg/kg	1.25	SW6010B	0.6		
L15-8B	6/14/2001	red ear	total silver	<MRL	mg/kg	0.25	SW6010B	-0.025		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L15-8B	6/14/2001	red ear	lipids, total	<MRL	% lipids	1	AOAC18.046	0.18		
L18-9A	6/14/2001	catfish	4,4'-DDD	<MRL	mg/kg	0.334	SW8081	0	5	
L18-9A	6/14/2001	catfish	4,4'-DDE	<MRL	mg/kg	0.334	SW8081	0	5	
L18-9A	6/14/2001	catfish	4,4'-DDT	<MRL	mg/kg	0.334	SW8081	0	5	
L18-9A	6/14/2001	catfish	aldrin	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	alpha chlordane	<MRL	mg/kg	0.334	SW8081	0	0.3	
L18-9A	6/14/2001	catfish	alpha-BHC	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	beta-BHC	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	chlordane	<MRL	mg/kg	0.334	SW8081	0	0.3	
L18-9A	6/14/2001	catfish	delta-BHC	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	dieldrin	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	endosulfan I	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	endosulfan II	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	endosulfan sulfate	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	endrin	<MRL	mg/kg	0.334	SW8081	0	0.3	
L18-9A	6/14/2001	catfish	endrin aldehyde	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	endrin ketone	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	gamma chlordane	<MRL	mg/kg	0.334	SW8081	0	0.3	
L18-9A	6/14/2001	catfish	gamma-BHC	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	heptachlor	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	heptachlor epoxide	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	methoxychlor	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	toxaphene	<MRL	mg/kg	0.334	SW8081	0		
L18-9A	6/14/2001	catfish	total mercury	<MRL	mg/kg	0.009	EPA245.5/SW7471A	0.044	1	
L18-9A	6/14/2001	catfish	total arsenic	<MRL	mg/kg	1.21	SW6010B	0.77		
L18-9A	6/14/2001	catfish	total barium	0.453	mg/kg	0.241	SW6010B	-0.029		
L18-9A	6/14/2001	catfish	total chromium	<MRL	mg/kg	0.241	SW6010B	0.072		
L18-9A	6/14/2001	catfish	total selenium	<MRL	mg/kg	1.21	SW6010B	0.741		
L18-9A	6/14/2001	catfish	total silver	<MRL	mg/kg	0.241	SW6010B	-0.0048		
L18-9A	6/14/2001	catfish	total cadmium	<MRL	mg/kg	0.121	SW6010B	-0.041		
L18-9A	6/14/2001	catfish	total lead	<MRL	mg/kg	1.21	SW6010B	0.0097		
L18-9A	6/14/2001	catfish	lipids, total	<MRL	% lipids	1	AOAC18.046	3.25		
L18-9B	6/14/2001	largemouth bass	4,4'-DDT	<MRL	mg/kg	0.333	SW8081	0	5	
L18-9B	6/14/2001	largemouth bass	aldrin	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	alpha chlordane	<MRL	mg/kg	0.333	SW8081	0	0.3	
L18-9B	6/14/2001	largemouth bass	alpha-BHC	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	beta-BHC	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	chlordane	<MRL	mg/kg	0.333	SW8081	0	0.3	
L18-9B	6/14/2001	largemouth bass	delta-BHC	<MRL	mg/kg	0.333	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
L18-9B	6/14/2001	largemouth bass	dieldrin	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	endosulfan I	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	endosulfan II	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	endosulfan sulfate	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	endrin	<MRL	mg/kg	0.333	SW8081	0	0.3	
L18-9B	6/14/2001	largemouth bass	endrin aldehyde	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	endrin ketone	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	gamma chlordane	<MRL	mg/kg	0.333	SW8081	0	0.3	
L18-9B	6/14/2001	largemouth bass	gamma-BHC	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	heptachlor	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	heptachlor epoxide	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	methoxychlor	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	toxaphene	<MRL	mg/kg	0.333	SW8081	0		
L18-9B	6/14/2001	largemouth bass	total mercury	0.1	mg/kg	0.0098	EPA245.5/SW7471A	0.015	1	
L18-9B	6/14/2001	largemouth bass	total arsenic	<MRL	mg/kg	1.2	SW6010B	0.022		
L18-9B	6/14/2001	largemouth bass	total barium	<MRL	mg/kg	0.24	SW6010B	-0.0144		
L18-9B	6/14/2001	largemouth bass	total cadmium	<MRL	mg/kg	0.24	SW6010B	0.108		
L18-9B	6/14/2001	largemouth bass	total chromium	<MRL	mg/kg	1.2	SW6010B	-0.72649997		
L18-9B	6/14/2001	largemouth bass	total lead	<MRL	mg/kg	1.2	SW6010B	0.312		
L18-9B	6/14/2001	largemouth bass	total selenium	<MRL	mg/kg	0.24	SW6010B	-0.0599		
L18-9B	6/14/2001	largemouth bass	total silver	<MRL	mg/kg	0.12	SW6010B	-0.0192		
L18-9B	6/14/2001	largemouth bass	lipids, total	<MRL	% lipids	1	AOAC18.046	0.7		
P174-10A	6/14/2001	largemouth bass	4,4'-DDD	<MRL	mg/kg	0.325	SW8081	0	5	
P174-10A	6/14/2001	largemouth bass	4,4'-DDE	<MRL	mg/kg	0.325	SW8081	0	5	
P174-10A	6/14/2001	largemouth bass	4,4'-DDT	<MRL	mg/kg	0.325	SW8081	0	5	
P174-10A	6/14/2001	largemouth bass	aldrin	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	alpha chlordane	<MRL	mg/kg	0.325	SW8081	0	0.3	
P174-10A	6/14/2001	largemouth bass	alpha-BHC	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	beta-BHC	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	chlordane	<MRL	mg/kg	0.325	SW8081	0	0.3	
P174-10A	6/14/2001	largemouth bass	delta-BHC	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	dieldrin	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	endosulfan I	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	endosulfan II	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	endosulfan sulfate	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	endrin	<MRL	mg/kg	0.325	SW8081	0	0.3	
P174-10A	6/14/2001	largemouth bass	endrin aldehyde	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	endrin ketone	<MRL	mg/kg	0.325	SW8081	0		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
P174-10A	6/14/2001	largemouth bass	gamma chlordane	<MRL	mg/kg	0.325	SW8081	0	0.3	
P174-10A	6/14/2001	largemouth bass	gamma-BHC	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	heptachlor	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	heptachlor epoxide	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	methoxychlor	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	toxaphene	<MRL	mg/kg	0.325	SW8081	0		
P174-10A	6/14/2001	largemouth bass	total mercury	0.114	mg/kg	0.0095	EPA245.5/SW7471A	0.114	1	
P174-10A	6/14/2001	largemouth bass	total arsenic	<MRL	mg/kg	1.21	SW6010B	0.551		
P174-10A	6/14/2001	largemouth bass	total barium	<MRL	mg/kg	0.242	SW6010B	-0.0145		
P174-10A	6/14/2001	largemouth bass	total cadmium	<MRL	mg/kg	0.121	SW6010B	-0.0676		
P174-10A	6/14/2001	largemouth bass	total chromium	<MRL	mg/kg	0.242	SW6010B	0.046		
P174-10A	6/14/2001	largemouth bass	total lead	<MRL	mg/kg	1.21	SW6010B	-1.06019998		
P174-10A	6/14/2001	largemouth bass	total selenium	<MRL	mg/kg	1.21	SW6010B	0.526		
P174-10A	6/14/2001	largemouth bass	total silver	<MRL	mg/kg	0.242	SW6010B	-0.0483		
P174-10A	6/14/2001	largemouth bass	lipids, total	<MRL	% lipids	1	AOAC18.046	0.16		
P174-10B	6/14/2001	bluegill	4,4'-DDD	<MRL	mg/kg	0.331	SW8081	0	5	
P174-10B	6/14/2001	bluegill	4,4'-DDE	<MRL	mg/kg	0.331	SW8081	0	5	
P174-10B	6/14/2001	bluegill	4,4'-DDT	<MRL	mg/kg	0.331	SW8081	0	5	
P174-10B	6/14/2001	bluegill	aldrin	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	alpha chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
P174-10B	6/14/2001	bluegill	alpha-BHC	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	beta-BHC	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
P174-10B	6/14/2001	bluegill	delta-BHC	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	dieldrin	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	endosulfan I	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	endosulfan II	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	endosulfan sulfate	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	endrin	<MRL	mg/kg	0.331	SW8081	0	0.3	
P174-10B	6/14/2001	bluegill	endrin aldehyde	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	endrin ketone	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	gamma chlordane	<MRL	mg/kg	0.331	SW8081	0	0.3	
P174-10B	6/14/2001	bluegill	gamma-BHC	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	heptachlor	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	heptachlor epoxide	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	methoxychlor	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	toxaphene	<MRL	mg/kg	0.331	SW8081	0		
P174-10B	6/14/2001	bluegill	total mercury	<MRL	mg/kg	0.0093	EPA245.5/SW7471A	0.0006	1	
P174-10B	6/14/2001	bluegill	total arsenic	<MRL	mg/kg	1.22	SW6010B	0.54		

Sample ID	Sample Date	Type of Fish	Analyte	Reported Result	Units	Reporting Limit	EPA Method	Numeric Result	FDA Action Level	EPA Screening Value
P174-10B	6/14/2001	bluegill	total barium	0.748	mg/kg	0.244	SW6010B	0.748		
P174-10B	6/14/2001	bluegill	total cadmium	<MRL	mg/kg	0.122	SW6010B	-0.0807		
P174-10B	6/14/2001	bluegill	total chromium	<MRL	mg/kg	0.244	SW6010B	-0.0098		
P174-10B	6/14/2001	bluegill	total lead	<MRL	mg/kg	1.22	SW6010B	-0.7899		
P174-10B	6/14/2001	bluegill	total selenium	<MRL	mg/kg	1.22	SW6010B	0.57		
P174-10B	6/14/2001	bluegill	total silver	<MRL	mg/kg	0.244	SW6010B	-0.0122		
P174-10B	6/14/2001	bluegill	lipids, total	1.59	% lipids	1	AOAC18.046	1.59		
P174-10C	6/14/2001	bluegill	4,4'-DDD	<MRL	mg/kg	0.332	SW8081	0	5	
P174-10C	6/14/2001	bluegill	4,4'-DDE	<MRL	mg/kg	0.332	SW8081	0	5	
P174-10C	6/14/2001	bluegill	4,4'-DDT	<MRL	mg/kg	0.332	SW8081	0	5	
P174-10C	6/14/2001	bluegill	aldrin	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	alpha chlordane	<MRL	mg/kg	0.332	SW8081	0	0.3	
P174-10C	6/14/2001	bluegill	alpha-BHC	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	beta-BHC	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	chlordane	<MRL	mg/kg	0.332	SW8081	0	0.3	
P174-10C	6/14/2001	bluegill	delta-BHC	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	dieldrin	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	endosulfan I	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	endosulfan II	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	endosulfan sulfate	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	endrin	<MRL	mg/kg	0.332	SW8081	0	0.3	
P174-10C	6/14/2001	bluegill	endrin aldehyde	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	endrin ketone	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	gamma chlordane	<MRL	mg/kg	0.332	SW8081	0	0.3	
P174-10C	6/14/2001	bluegill	gamma-BHC	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	heptachlor	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	heptachlor epoxide	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	methoxychlor	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	toxaphene	<MRL	mg/kg	0.332	SW8081	0		
P174-10C	6/14/2001	bluegill	total mercury	0.0098	mg/kg	0.0094	EPA245.5/SW7471A	0.0098	1	
P174-10C	6/14/2001	bluegill	total arsenic	<MRL	mg/kg	1.23	SW6010B	0.442		
P174-10C	6/14/2001	bluegill	total barium	0.479	mg/kg	0.246	SW6010B	0.479		
P174-10C	6/14/2001	bluegill	total cadmium	<MRL	mg/kg	0.123	SW6010B	-0.0369		
P174-10C	6/14/2001	bluegill	total chromium	<MRL	mg/kg	0.246	SW6010B	0.039		
P174-10C	6/14/2001	bluegill	total lead	<MRL	mg/kg	1.23	SW6010B	-0.51590002		
P174-10C	6/14/2001	bluegill	total selenium	<MRL	mg/kg	1.23	SW6010B	0.474		
P174-10C	6/14/2001	bluegill	total silver	<MRL	mg/kg	0.246	SW6010B	-0.0565		
P174-10C	6/14/2001	bluegill	lipids, total	<MRL	% lipids	1	AOAC18.046	0.9		