ADEM Fish Tissue Monitoring Program 2022 Annual Report

Alabama, Coosa and Tallapoosa River Basins with additional Coastal sites

July 12, 2023

Alabama Department of Environmental Management

Field Operations Division

Montgomery Branch

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INTRODUCTION

The Alabama Department of Environmental Management (ADEM) and its predecessor, the Alabama Water Improvement Commission (AWIC), have collected fish for analysis of contaminant levels since 1970. For the 20 years that followed, fish collections focused on areas of known or suspected contamination. In 1991, the ADEM expanded its Fish Tissue Monitoring Program (FTMP) to provide a statewide screening of bioaccumulative contaminants in fish tissue. The expanded program was designed to provide the Alabama Department of Public Health (ADPH) with the data needed for determination of potential risk to those who consume fish from Alabama waters and to issue/modify fish consumption advisories within the state. The expanded program historically exists as a cooperative effort between the ADEM, the ADPH, the Alabama Department of Conservation and Natural Resources (ADCNR) and the Tennessee Valley Authority (TVA).

Following expansion of the program to statewide screening, fish from all of Alabama's major reservoirs, rivers, streams and state-managed public fishing lakes were collected over a five-year period. Data from these locations were provided to the ADPH for issuance, modification, or removal of fish consumption advisories to the public. The results of the program over the five-year period indicated that the majority of Alabama waterbodies supported healthy fish populations with low to undetectable contaminant levels where any contaminants existed. However, the ADPH determined that fish from certain waterbodies were found to contain contaminant levels in excess of Environmental Protection Agency (EPA) and Food and Drug Administration (FDA) guidance levels.

In 1997, the FTMP was incorporated into the ADEM Watershed Management Approach. Pursuant to this approach, water quality of each major drainage basin in the state was assessed by

ADEM on a five-year rotating basis. The initial rotation was completed in 2001 with the five major basins and years sampled as follows:

a) Black Warrior and Cahaba Rivers (1997)
b) Tennessee River (1998)
c) Chattahoochee and Conecuh Rivers (1999)
d) Coosa, Tallapoosa and Alabama Rivers (2000)
e) Escatawpa, Mobile and Tombigbee Rivers (2001)

In addition to the basin locations sampled each year, the ADEM continued to sample areas of concern outside the focus basin as needed or requested by cooperating agencies and as resources allowed.

Because of the variability in contaminant concentrations observed in fish collected from locations over several years, and the need for additional monitoring at a number of locations, the approach to annual monitoring was refined in 2002. Annual fish tissue monitoring by ADEM became multi-faceted and directed toward accomplishing three goals:

a) sampling locations throughout the focus basin,
b) repetitive sampling of sites where the ADPH has determined that EPA/FDA limits have been exceeded and
c) sampling remaining areas in Alabama where fish have not been collected for the FTMP.

Repetitive sampling of sites where EPA/FDA action levels had been exceeded proceeded as follows:

a) Sites that exceeded EPA/FDA limits for the first time the previous year were sampled for a minimum of two concurrent years to provide verification of contaminant concentrations as requested by the ADPH.
b) Sites where ADPH consumption advisories currently existed were sampled at a minimum of every three years to provide data for analysis of trends in contaminant concentrations.

In June 2006 the ADPH adopted the EPA guidance level of 0.33 ug/g mercury in fish for issuance of public consumption advisories, replacing the FDA guidance level of 1.0 ug/g previously used.

The program was further modified in 2015 to meet the data needs of the ADEM water quality assessment and listing process. In order to meet these needs, fish tissue samples were collected within each major river basin in the state on a three-year rotating basis, providing two repetitions of sampling within the six-year period required for monitoring data in the assessment and listing methodology. The initial regional rotation was as follows:

a) Alabama, Cahaba, Tallapoosa and Tennessee Rivers,
b) Coosa, Mobile and Tombigbee Rivers,
c) Black Warrior, Perdido-Escambia, Choctawhatchee, Pea and Chattahoochee Rivers.

In addition to the major river basin schedule, coastal sample locations (locations south of the I-65 Mobile River Bridge) were divided into three geographic regions, eastern, central and western, and sampled on a three-year rotation as well.

Within the river basins and coastal zones, site selection was directed toward accomplishing three goals:

a) Repetitive sampling of sites where the ADPH has determined that EPA/FDA limits have been exceeded,
b) Repetitive sampling of sites within each major Alabama reservoir in support of Alabama's Assessment and Listing Methodology,
c) Sampling remaining areas in Alabama where fish have not been collected for the FTMP or other areas of concern as they arise.

Due to the adoption of the lower EPA guidance level for mercury in 2006 the number of sample locations with consumption advisories for mercury steadily increased. The combination of this increase in advisory locations with the three year basin rotation instituted in 2015 caused an increase in the number of yearly sample locations to a point that became unsustainable due to laboratory limitations as well as funding constraints. In order to maximize available laboratory resources, as well as streamline data reporting, the program was further modified in 2017 as follows. Beginning in 2017 annual fish tissue sampling was directed toward accomplishing four main goals:

a) Sampling locations throughout the focus basin,
b) Repetitive sampling of sites within the focus basin where the ADPH has determined that EPA/FDA action limits have been exceeded,

c) Repetitive sampling of sites within the focus basin in support of Alabama's Assessment and Listing Methodology,

d) Sampling remaining areas in Alabama where fish have not been collected for the FTMP or other areas of concern as they arise.

Each major drainage basin will be monitored once on a five-year rotating basis. The basin rotation will be as follows:

a) Black Warrior and Cahaba Rivers (2017)

b) Tennessee River (2018)

c) Perdido-Escambia, Choctawhatchee, Pea and Chattahoochee Rivers (2019)

d) Mobile and Tombigbee Rivers (2020)

e) Alabama, Coosa and Tallapoosa Rivers (2021)

In addition to the major river basin schedule, coastal sample locations (locations south of the I-65 Mobile River bridge) will be divided roughly into five geographic regions and sampled on a five-year rotation as well.

The extent to which the above goals are accomplished each year is dependent upon available resources.

METHODS

Fish sampling and tissue preparation procedures for the FTMP are as described in the ADEM documents: *Fish Tissue Monitoring Program Sample Collection Procedures (SOP #2300*), *Fish Tissue Monitoring Program Sample Processing and Data Reporting Procedures (SOP# 2301)* and *Fish Tissue Monitoring Program Non-Lethal Biopsy Plug Sample Collection and Processing Procedures (SOP#2302).*

Sampling is typically conducted in the fall of the year, generally October-December for the FTMP. These months are preferred in fish tissue monitoring programs because:

a) Organic pollutants, primarily stored in fatty (lipid) tissue, would be at the greatest concentration as fat content of fish is highest at this time of year.
b) Target species are more easily collected while water levels are low and as water temperatures cool.
c) Fall collections do not interfere with spawning seasons of target species.

Collection methods may include electrofishing and/or gillnets as needed. Typically six individuals of the same species are collected at each location from each of two primary feeding groups, predators and bottom-feeders. At stations where FDA and/or EPA guidance levels have been exceeded, multiple commercial and/or sport fish species may be collected if available and as resources allow. Collected fish are within a size range identified in the SOP, with the additional requirement that catfish weigh a minimum of one pound as requested by the ADPH.

After collection, fish are weighed and measured with any abnormalities noted. Tissue samples are collected as described in the ADEM documents *SOP#2301* and *SOP#2302* and

packaged for laboratory analysis (Table 1) and/or storage as needed. Otoliths and/or spines are removed from the carcass if available and preserved for age determinations.

Table 1. Analytical parameters for the ADEM Fish Tissue Monitoring Program.

Parameter	Method	RL	MDL	FDA Guidance Level	EPA Guidance Level
Arsenic, Total	EPA200.9	0.5 ug/g	0.059 ug/g		
Cadmium	EPA200.9	0.05 ug/g	0.081 ug/g		
Mercury, Total	EPA7473	0.1 ug/g	0.056 ug/g	1.0 ug/g	0.33 ug/g
Selenium, Total	EPA200.9	0.5 ug/g	0.165 ug/g		
Chlordane, Total	SW8081A	0.125 ug/g		0.3 ug/g	
4,4-DDD	SW8081A	0.002 ug/g		Total DDT 5.0 ug/g	
4,4-DDE	SW8081A	0.002 ug/g			
4,4-DDT	SW8081A	0.002 ug/g			
2,4-DDD	SW8081A	0.002 ug/g			
2,4-DDE	SW8081A	0.002 ug/g			
2,4-DDT	SW8081A	0.002 ug/g			
Chlorpyrifos	SW8081A	0.002 ug/g			
Dieldrin	SW8081A	0.002 ug/g		0.3 ug/g	
Endosulfan I	SW8081A	0.002 ug/g			
Endosulfan II	SW8081A	0.002 ug/g			
Endrin	SW8081A	0.002 ug/g			
gamma-BHC (Lindane)	SW8081A	0.002 ug/g			
Heptachlor	SW8081A	0.002 ug/g		0.3 ug/g	
Heptachlor Epoxide	SW8081A	0.002 ug/g		0.3 ug/g	
Hexachlorobenzene	SW8081A	0.002 ug/g			
Mirex	SW8081A	0.002 ug/g		0.1 ug/g	
Arochlor 1016	SW8082	0.125 ug/g			
Arochlor 1221	SW8082	0.125 ug/g			
Arochlor 1232	SW8082	0.125 ug/g			
Arochlor 1242	SW8082	0.125 ug/g			
Arochlor 1248	SW8082	0.125 ug/g			
Arochlor 1254	SW8082	0.125 ug/g			
Arochlor 1260	SW8082	0.125 ug/g			
Total PCBs	SW8082	0.35 ug/g		2.0 ug/g	
Toxaphene	SW8081A	0.125 ug/g		5.0 ug/g	
Percent lipids	SW3640A	0.10%			

Following completion of analyses, all data are compiled and distributed to cooperating agencies. Analytical results are published and provided to the public through the ADEM website.

RESULTS

From September through December 2022, samples from 492 fish (14 different species) from 40 locations (Figure 1 and Table 2) were collected and analyzed for the FTMP. Twenty-eight different waterbodies were sampled. Sixteen locations with a current consumption advisory for mercury, seven locations with a current consumption advisory for PCB's and 3 locations with current consumption advisories for both mercury and PCB's were sampled. To date, samples comprised of several thousand fish have been collected from 388 sites for the FTMP. Analytical results for the 2022 FTMP are presented in Table 3. Information on current fish consumption advisories that were developed from FTMP data is available on the ADPH website at http://www.adph.org/tox/index.asp?id=1360. Nutritional information and safe practices for selecting and preparing fish are also available at this site.

ADEM's monitoring program also includes an evaluation of the physical condition of important sport and/or commercial fish species. Results of the evaluation indicate the majority of the fish evaluated were in good to excellent condition. Fish were also checked for anomalies, such as lesions, tumors, parasites and deformities. Some 99 percent of the fish observed had no anomalies. The most commonly observed anomalies were external and internal parasites. The occurrence of lesions on fish during spring and fall may be the result of bacterial infections associated with changing water temperatures, spawning stress or a combination of natural occurrences. These infections are not dangerous to the consumer and the fish are edible if properly prepared.

For more information regarding ADEM's Fish Tissue Monitoring Program please contact Michael Len at 334-260-2787.

Figure 1. CY2022 FTMP sample locations.

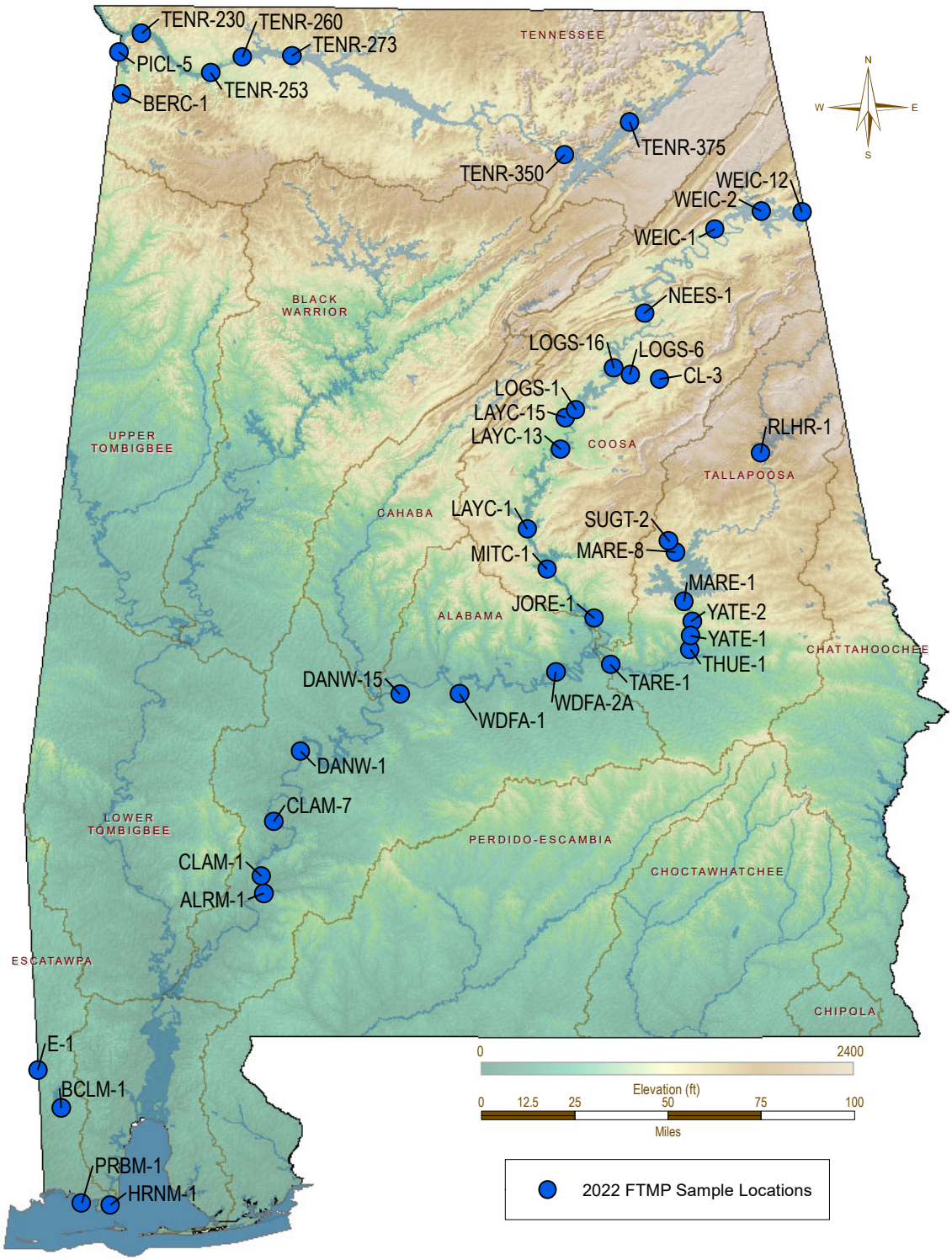

Table 2. CY 2022 FTMP sample location information; basin, locale, station ID, county, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Alabama	Alabama R	ALRM-1	Monroe	Channel catfish Largemouth bass Spotted bass	Approximately 2.0 miles downstream of AL Hwy 12/US Hwy 84. River miles 65-66.
Alabama	Claiborne Res	CLAM-1	Monroe	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Alabama	Claiborne Res	CLAM-7	Clarke	Channel catfish Largemouth bass	Claiborne Reservoir in vicinity of Lower Peachtree access area approximately river mile 96. Vicinity of the intersection of Clarke, Monroe and Wilcox Counties.
Alabama	Dannelly Res	DANW-1	Wilcox	Blue catfish Largemouth bass Channel catfish	Lower reservoir. Deepest point, main river channel, dam forebay.
Alabama	Sixmile Ck	DANW-15	Dallas	Freshwater drum Largemouth bass Spotted bass	Sixmile Creek upstream of confluence with the Alabama River, near Selma.
Alabama	Woodruff Res	WDFA-1	Autauga	Channel catfish Largemouth bass Blue catfish	Lower reservoir. Deepest point, main river channel, dam forebay.

Table 2. CY 2022 FTMP sample location information; basin, locale, station ID, county, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Alabama	Woodruff Res	WDFA-2A	Elmore	Channel catfish Spotted bass	Deepest point, main river channel, immediately upstream of Hwy 31 bridge.
Coosa	Choccolocco Ck	CL-3	Talladega	Channel catfish Spotted bass Largemouth bass	Choccolocco Ck at Talladega Co. Rd. 399 crossing.
Coosa	Choccolocco Ck (Logan Martin)	LOGS-6	Talladega	Channel catfish Spotted bass Striped bass Black crappie	Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.
Coosa	Jordan Res	JORE-1	Elmore	Channel catfish Largemouth bass	Deepest point, main river channel, dam forebay.
Coosa	Lay Res	LAYC-1	Chilton	Blue catfish Largemouth bass Striped bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Coosa	Lay Res	LAYC-13	Shelby	Channel catfish Largemouth bass Blue catfish	Approximately 1.5 mi downstream of US Hwy 280 bridge. Vicinity of Coosa R mile 444.0.Lat/Lon calculated at rm 444.0.

Table 2. CY 2022 FTMP sample location information; basin, locale, station ID, county, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Coosa	Lay Res	LAYC-15	St Clair	Blue catfish Spotted bass Striped bass	Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.
Coosa	Logan Martin Res	LOGS-1	St Clair	Blue catfish Spotted bass Striped bass Black crappie	Lower reservoir. Deepest point, main river channel, dam forebay.
Coosa	Logan Martin Res	LOGS-16	St Clair	Channel catfish Spotted bass Striped bass Black crappie	Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.
Coosa	Mitchell Res	MITC-1	Coosa	Blue catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Coosa	Neely Henry Res	NEES-1	Calhoun	Channel catfish Spotted bass Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.

Table 2. CY 2022 FTMP sample location information; basin, locale, station ID, county, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Coosa	Weiss Res	WEIC-1	Cherokee	Channel catfish Striped bass Spotted bass Black crappie	Lower reservoir. Deepest point, main river channel, power dam forebay.
Coosa	Weiss Res	WEIC-12	Cherokee	Blue catfish Spotted bass Hybrid bass Black crappie Channel catfish	Deepest point, main river channel, Alabama/Georgia state line.
Coosa	Weiss Res	WEIC-2	Cherokee	Blue catfish Largemouth bass Striped bass Black crappie	Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.
Escatawpa	Big Creek Res	BCLM-1	Mobile	Largemouth bass	Lower reservoir. Deepest point, Big Creek channel, dam forebay.
Escatawpa	Escatawpa R	E-1	Mobile	Channel catfish Spotted bass	Escatawpa River in the vicinity of US Hwy 98 bridge west of Wilmer, AL.

Table 2. CY 2022 FTMP sample location information; basin, locale, station ID, county, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Escatawpa	Heron Bay	HRNM-1	Mobile	Speckled trout Atlantic croaker Black drum	Heron Bay.
Escatawpa	Portersville Bay	PRBM-1	Mobile	Striped mullet Sand seatrout Mangrove snapper	Main channel offshore south of Bayou La Batre.
Tallapoosa	Elkahatchee Ck (Martin)	MARE-8	Tallapoosa	Largemouth bass Channel catfish	Deepest point, main creek channel, Elkahatchee Creek embayment, approximately 0.5 miles downstream of Elkahatchee/Sugar Creek confluence.
Tallapoosa	Harris Res	RLHR-1	Randolph	Channel catfish Spotted bass Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Tallapoosa	Martin Res	MARE-1	Tallapoosa	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Tallapoosa	Sougahatchee Ck (Yates)	YATE-2	Tallapoosa	Channel catfish Largemouth bass	Deepest point, main creek channel, Sougahatchee Creek embayment. Approximately 0.8 miles upstream from the Tallapoosa River confluence.

Table 2. CY 2022 FTMP sample location information; basin, locale, station ID, county, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Tallapoosa	Sugar Ck (Martin)	SUGT-2	Tallapoosa	Channel catfish Largemouth bass	Martin Reservoir, Sugar Creek embayment.
Tallapoosa	Tallapoosa R	TARE-1	Montgomery	Channel catfish Spotted bass	Tallapoosa River, deepest point, main river channel. 3.1 miles upstream of HWY 231.
Tallapoosa	Thurlow Res	THUE-1	Elmore	Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Tallapoosa	Yates Res	YATE-1	Tallapoosa	Channel catfish Largemouth bass	Lower reservoir. Deepest point, main river channel, dam forebay.
Tennessee	Bear Ck	BERC-1	Colbert	Channel catfish Spotted bass	Bear Creek at Natchez Trace Pkwy, Bear Ck mile 25.
Tennessee	Bear Ck (Pickwick)	PICL-5	Colbert	Channel catfish Largemouth bass	Main creek channel at Bear Creek embayment. Pickwick Reservoir, Bear Creek embayment, at Bear Creek mile 8.0 approximately 5 miles downstream of Buzzard Roost/Bear Creek confluence.
Tennessee	Guntersville Res	TENR-350	Marshall	Channel catfish Largemouth bass	Dam forebay area. Tennessee River mile 350, downstream of Honeycomb Creek.
Tennessee	Guntersville Res	TENR-375	Jackson	Channel catfish Largemouth bass	Guntersville Reservoir, Tennessee River mile 375 between the confluences of South Sauty Creek and the Tennessee River and North Sauty Creek and the Tennessee River.

Table 2. CY 2022 FTMP sample location information; basin, locale, station ID, county, species collected and location description.

Basin	Locale	Station ID	County	Species Collected	Location Description
Tennessee	Pickwick Res	TENR-230	Colbert	Channel catfish Largemouth bass	Vicinity of Tennesse River mile 230, 2.5 miles upstream of Tennessee River/Second Creek confluence.
Tennessee	Pickwick Res	TENR-253	Lauderdale	Channel catfish Largemouth bass	Pickwick Reservoir between Tennessee River miles 251.0-255.0, near Sheffield, AL.
Tennessee	Wilson Res	TENR-260	Lauderdale	Channel catfish Largemouth bass	Dam forebay at Tennesse River mile 259.5.
Tennessee	Wilson Res	TENR-273	Lauderdale	Channel catfish Largemouth bass	Tennessee River miles 272.0-274.0, 1.0 mile downstream of Blue Water Creek.

Table 3. CY2022 Fish Tissue Monitoring Program Analytical Results

Monroe County **Lat/Lon: 31.54969 / -87.54117**

ALRM-1 Alabama R - Approximately 2.0 miles downstream of AL Hwy 12/US Hwy 84. River miles 65-66.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	342	303	313	341	315	301
Length (inches)	13.46	11.93	12.32	13.43	12.40	11.85
Weight (g)	240	180	180	260	190	170
Weight (oz)	8.47	6.35	6.35	9.17	6.70	6.00
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.1271	.1614	.1048	.1123	.078 JI	.1272

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	330	375	315	270	287
Length (inches)	12.99	14.76	12.40	10.63	11.30
Weight (g)	450	660	360	220	250
Weight (oz)	15.87	23.28	12.70	7.76	8.82
Sex/Age					
Age Method	N/A	N/A	N/A	N/A	N/A
Collection Date	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22
Skin on Fillet	N	N	N	N	N
MERCURY, TOTAL ug/g	.2722	.5181	.3542	.3123	.3182

Spotted Bass (Micropterus punctulatus)

	Fish 1
Length (mm)	301
Length (inches)	11.85
Weight (g)	270
Weight (oz)	9.52
Sex/Age	
Age Method	N/A
Collection Date	12-01-22
Skin on Fillet	N
MERCURY, TOTAL ug/g	.1493

Colbert County **Lat/Lon: 34.82400 / -88.10378**

PICL-5 Bear Ck (Pickwick) - Main creek channel at Bear Creek embayment. Pickwick Reservoir, Bear Creek embayment, at Bear Creek mile 8.0 approximately 5 miles downstream of Buzzard Roost/Bear Creek confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	593	434	470	515	376	440
Length (inches)	23.35	17.09	18.50	20.28	14.80	17.32
Weight (g)	1,616	724	962	1,098	474	592
Weight (oz)	57.00	25.54	33.93	38.73	16.72	20.88
Sex/Age	/8	/6	/4	/7	/7	/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.0927 JI	< .056	< .056	< .056	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/26/2022 PICL-5 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.01 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	2.935
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.254 JI
TOXAPHENE ug/g	< .069

Colbert County **Lat/Lon: 34.82400 / -88.10378**

PICL-5 Bear Ck (Pickwick) - Main creek channel at Bear Creek embayment. Pickwick Reservoir, Bear Creek embayment, at Bear Creek mile 8.0 approximately 5 miles downstream of Buzzard Roost/Bear Creek confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	355	364	369	420	342	343
Length (inches)	13.98	14.33	14.53	16.54	13.46	13.50
Weight (g)	580	630	634	1,004	466	462
Weight (oz)	20.46	22.22	22.36	35.42	16.44	16.30
Sex/Age	/5	/3	/4	/4	/3	/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.1689	.191	.2895	.2096	.1935	.2081

	Composite - 6 Fish
Bottle Code: 10/26/2022 PICL-5 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.0022 JQ3
4,4'-DDT ug/g	< .00095 JQ3
AROCHLOR 1016 ug/g	< .117 JQ3
AROCHLOR 1221 ug/g	< .125 JQ3
AROCHLOR 1232 ug/g	< .125 JQ3
AROCHLOR 1242 ug/g	< .125 JQ3
AROCHLOR 1248 ug/g	< .125 JQ3
AROCHLOR 1254 ug/g	< .037 JQ3
AROCHLOR 1260 ug/g	< .1 JQ3
PCB'S, TOTAL ug/g	< .117 JQ3
ARSENIC, TOTAL ug/g	.074 JI
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	.315
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.279 JI
TOXAPHENE ug/g	< .069 JQ3

Colbert County **Lat/Lon: 34.66088 / -88.09231**

BERC-1 Bear Ck - Bear Creek at Natchez Trace Pkwy, Bear Ck mile 25.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	428	445	484	494	447	481
Length (inches)	16.85	17.52	19.06	19.45	17.60	18.94
Weight (g)	660	764	800	1,030	686	1,036
Weight (oz)	23.28	26.95	28.22	36.33	24.20	36.54
Sex/Age	/6	/5	/5	/6	/5	/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	08-02-22	08-02-22	08-02-22	08-02-22	08-02-22	08-02-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.1607	.176	.1675	.2386	.1647	.2144

	Composite - 6 Fish
Bottle Code: 8/2/2022 BERC-1 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.0068 JQ3
4,4'-DDT ug/g	< .00095 JQ3
AROCHLOR 1016 ug/g	< .117 JQ2
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	3.615
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.23 JI
TOXAPHENE ug/g	< .069 JQ3

Colbert County **Lat/Lon: 34.66088 / -88.09231**

BERC-1 Bear Ck - Bear Creek at Natchez Trace Pkwy, Bear Ck mile 25.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	347	330	321	433	337	303
Length (inches)	13.66	12.99	12.64	17.05	13.27	11.93
Weight (g)	524	588	424	980	438	346
Weight (oz)	18.48	20.74	14.96	34.57	15.45	12.20
Sex/Age	/3	/6	/4	/7	/4	/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	08-02-22	08-02-22	08-02-22	08-02-22	08-02-22	08-02-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.4015	.6738	.5241	.873	.4266	.4248

	Composite - 6 Fish
Bottle Code: 8/2/2022 BERC-1 SPB 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0037 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117 JQ2
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.235
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.379 JI
TOXAPHENE ug/g	< .069

Mobile County **Lat/Lon: 30.71461 / -88.32747**

BCLM-1 Big Creek Res - Lower reservoir. Deepest point, Big Creek channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	401	327	366	307	342	361
Length (inches)	15.79	12.87	14.41	12.09	13.46	14.21
Weight (g)	810	540	590	390	520	550
Weight (oz)	28.57	19.05	20.81	13.76	18.34	19.40
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.79	1.3518	1.3338	.7791	.5932	.6063

Talladega County **Lat/Lon: 33.55822 / -86.17536**

LOGS-6 Choccolocco Ck (Logan Martin) - Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.

Black Crappie (Pomoxis nigromaculatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	264	289	320	327	286	283
Length (inches)	10.39	11.38	12.60	12.87	11.26	11.14
Weight (g)	292	366	480	508	412	398
Weight (oz)	10.30	12.91	16.93	17.92	14.53	14.04
Sex/Age	F/2	M/3	M/5	F/3	F/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117 JQ2	< .117 JQ1	< .117 JQ1	< .117 JQ1	< .117 JQ1	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.426	.253	.159	.522	.176	.135
AROCHLOR 1260 ug/g	.346 JQ2	.161	.103 JI	.392	.102 JI	< .1
PCB'S, TOTAL ug/g	.772	.414	.262	.913	.278	.135
LIPIDS %	.675	.3	.15	.525	.175	.295
MERCURY, TOTAL ug/g	.0998 JI	.0753 JI	.1643	.129	.1575	.0852 JI

	Composite - 6 Fish
Bottle Code: 10/6/2022 LOGS-6 BCR 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.655
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.372 JI
TOXAPHENE ug/g	< .069

Talladega County **Lat/Lon: 33.55822 / -86.17536**

LOGS-6 Choccolocco Ck (Logan Martin) - Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	255	272	269	310	357	415
Length (inches)	10.04	10.71	10.59	12.20	14.06	16.34
Weight (g)	128	154	132	234	378	548
Weight (oz)	4.52	5.43	4.66	8.25	13.33	19.33
Sex/Age	M/1	M/4	M/3	M/5	M/6	F/6
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117 JQ1	< .117 JQ1	< .117 JQ1	< .117 JQ1	< .117 JQ1
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.289	.114 JI	.144	.346	.182	.187
AROCHLOR 1260 ug/g	.347	.221 JQ1	.249 JQ1	.488 JQ1	.456 JQ1	.348
PCB'S, TOTAL ug/g	.636	.334	.392	.834	.638	.535
LIPIDS %	1.04	.738	.51	.53	.635	.295
MERCURY, TOTAL ug/g	.1561	.0591 JI	.091 JI	.1446	.1495	.0978 JI

	Composite - 6 Fish
Bottle Code: 10/6/2022 LOGS-6 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.43
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.202 JI
TOXAPHENE ug/g	< .069

Talladega County **Lat/Lon: 33.55822 / -86.17536**

LOGS-6 Choccolocco Ck (Logan Martin) - Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	354	422	410	366	430	416
Length (inches)	13.94	16.61	16.14	14.41	16.93	16.38
Weight (g)	602	950	864	626	1,048	1,018
Weight (oz)	21.23	33.51	30.48	22.08	36.97	35.91
Sex/Age	M/2	M/4	F/4	M/3	F/6	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.289	.349	.579	.187	.295	.265
AROCHLOR 1260 ug/g	.258	.387	.751	.158	.542 JQ4	.407
PCB'S, TOTAL ug/g	.547	.736	1.33	.346	.838	.672
LIPIDS %	.73	.52	.57	.285	.6	.585
MERCURY, TOTAL ug/g	.1274	.1813	.2994	.1522	.2082	.197

	Composite - 6 Fish
Bottle Code: 10/6/2022 LOGS-6 SPB 01-06	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.009 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.625
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.342 JI
TOXAPHENE ug/g	< .069

Talladega County **Lat/Lon: 33.55822 / -86.17536**

LOGS-6 Choccolocco Ck (Logan Martin) - Deepest point, main creek channel, Choccolocco Creek embayment, approximately 1.0 miles upstream of lake confluence.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	447	452	383
Length (inches)	17.60	17.80	15.08
Weight (g)	1,186	1,188	828
Weight (oz)	41.83	41.91	29.21
Sex/Age	F/1	F/1	F/1
Age Method	Otolith	Otolith	Otolith
Collection Date	10-06-22	10-06-22	10-06-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117 JQ1	< .117 JQ1	< .117 JQ1
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.367	.357	.519
AROCHLOR 1260 ug/g	.322	.323	.518
PCB'S, TOTAL ug/g	.689	.68	1.037
LIPIDS %	3.63	2.46	3.05
MERCURY, TOTAL ug/g	< .056	.0874 JI	< .056

Composite - 3 Fish

Bottle Code: 10/6/2022 LOGS-6 STB 01-03

2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0369 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	.083 JI
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	.0016 JQ1I
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	4.68
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.397 JI
TOXAPHENE ug/g	< .069

Talladega County **Lat/Lon: 33.55139 / -86.00528**

CL-3 Choccolocco Ck - Choccolocco Ck at Talladega Co. Rd. 399 crossing.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	537	517	516	477	439	418
Length (inches)	21.14	20.35	20.31	18.78	17.28	16.46
Weight (g)	1,314	1,182	1,110	982	776	568
Weight (oz)	46.35	41.69	39.15	34.64	27.37	20.04
Sex/Age	F/7	M/5	M/7	M/5	F/5	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-08-22	11-08-22	11-08-22	11-08-22	11-08-22	11-08-22
Skin on Fillet	N	N	N	N	N	N
Lesions					Moderate	
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.607	.953	.117	.663	1.342	1.023
AROCHLOR 1260 ug/g	3.564	2.942	1.908	.79	1.582	1.294
PCB'S, TOTAL ug/g	4.171	3.895	2.025	1.453	2.923	2.317
LIPIDS %	.425	.915	.145	.9	1.115	.785
MERCURY, TOTAL ug/g	.2911	.2602	.4082	.2797	.2517	.2717

	Composite - 6 Fish
Bottle Code: 11/8/2022 CL-3 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.62
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	< .165
TOXAPHENE ug/g	< .069

Talladega County **Lat/Lon: 33.55139 / -86.00528**

CL-3 Choccolocco Ck - Choccolocco Ck at Talladega Co. Rd. 399 crossing.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	455	496
Length (inches)	17.91	19.53
Weight (g)	1,484	1,982
Weight (oz)	52.35	69.91
Sex/Age	F/6	F/11
Age Method	Otolith	Otolith
Collection Date	11-08-22	11-08-22
Skin on Fillet	N	N
AROCHLOR 1016 ug/g	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125
AROCHLOR 1254 ug/g	.546	.619
AROCHLOR 1260 ug/g	.895	1.132
PCB'S, TOTAL ug/g	1.441	1.751
LIPIDS %	.125	.14
MERCURY, TOTAL ug/g	.9349	1.951

	Composite - 2 Fish	
Bottle Code: 11/8/2022 CL-3 LMB 01-02		
2,4'-DDD ug/g	< .0015	JQ3
2,4'-DDE ug/g	< .0017	JQ3
2,4'-DDT ug/g	< .0016	JQ3
4,4'-DDD ug/g	< .0019	JQ3
4,4'-DDE ug/g	< .00094	JQ3
4,4'-DDT ug/g	< .00095	JQ3
ARSENIC, TOTAL ug/g	< .059	
CADMIUM, TOTAL ug/g	< .0811	
CHLORDANE, TOTAL ug/g	< .072	JQ3
CHLORPYRIFOS ug/g	< .0019	JQ3
DIELDRIN ug/g	< .00098	JQ3
ENDOSULFAN I ug/g	< .00094	JQ3
ENDOSULFAN II ug/g	< .0019	JQ3
ENDRIN ug/g	< .00082	JQ3
HEPTACHLOR ug/g	< .0011	JQ3
HEPTACHLOR EPOXIDE u	< .0011	JQ3
HEXACHLOROBENZENE u	< .0015	JQ3
LINDANE ug/g	< .00097	JQ3
LIPIDS %	.155	
MIREX ug/g	< .0016	JQ3
SELENIUM, TOTAL ug/g	.379	JI
TOXAPHENE ug/g	< .069	JQ3

Talladega County **Lat/Lon: 33.55139 / -86.00528**

CL-3 Choccolocco Ck - Choccolocco Ck at Talladega Co. Rd. 399 crossing.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	418	449	445
Length (inches)	16.46	17.68	17.52
Weight (g)	1,076	1,196	1,092
Weight (oz)	37.95	42.19	38.52
Sex/Age	F/8	M/7	F/6
Age Method	Otolith	Otolith	Otolith
Collection Date	11-08-22	11-08-22	11-08-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.782	.532	1.065
AROCHLOR 1260 ug/g	1.289	1.119	1.918
PCB'S, TOTAL ug/g	2.07	1.651	2.983
LIPIDS %	.385	.13	2.215
MERCURY, TOTAL ug/g	.9458	1.0324	.9753

	Composite - 3 Fish
Bottle Code: 11/8/2022 CL-3 SPB 01-03	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	< .00094 JQ3
4,4'-DDT ug/g	< .00095 JQ3
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	.345
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.339 JI
TOXAPHENE ug/g	< .069 JQ3

Monroe County **Lat/Lon: 31.61741 / -87.55058**

CLAM-1 Claiborne Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	356	339	327	318	328	312
Length (inches)	14.02	13.35	12.87	12.52	12.91	12.28
Weight (g)	280	270	210	210	240	200
Weight (oz)	9.88	9.52	7.41	7.41	8.47	7.05
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.2166	.0905 JI	.0712 JI	.0696 JI	1.6971	.9289

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	375	417	329	452	445	507
Length (inches)	14.76	16.42	12.95	17.80	17.52	19.96
Weight (g)	650	850	460	1,230	1,060	1,700
Weight (oz)	22.93	29.98	16.23	43.39	37.39	59.97
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22	12-01-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.426	.3514	.2862	.2841	.2259	.45

Clarke County **Lat/Lon: 31.82900 / -87.50253**

CLAM-7 Claiborne Res - Claiborne Reservoir in vicinity of Lower Peachtree access area approximately river mile 96. Vicinity of the intersection of Clarke, Monroe and Wilcox Counties.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	446	426	414	444	554	469
Length (inches)	17.56	16.77	16.30	17.48	21.81	18.46
Weight (g)	840	760	640	930	1,880	1,070
Weight (oz)	29.63	26.81	22.58	32.80	66.32	37.74
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-16-22	11-16-22	11-16-22	11-16-22	11-16-22	11-16-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.0838 JI	< .056	< .056	< .056	.0815 JI	.2753

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	363	413	324	328	341	340
Length (inches)	14.29	16.26	12.76	12.91	13.43	13.39
Weight (g)	560	830	440	430	490	530
Weight (oz)	19.75	29.28	15.52	15.17	17.28	18.70
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-16-22	11-16-22	11-16-22	11-16-22	11-16-22	11-16-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.3009	.3501	.3279	.6942	.3404	.2089

Wilcox County **Lat/Lon: 32.10350 / -87.39861**

DANW-1 Dannelly Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	685	275	369
Length (inches)	26.97	10.83	14.53
Weight (g)	3,080	130	370
Weight (oz)	108.64	4.59	13.05
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-17-22	11-17-22	11-17-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.1775	.1252	.0581 JI

Channel Catfish (Ictalurus punctatus)

	Fish 1
Length (mm)	455
Length (inches)	17.91
Weight (g)	700
Weight (oz)	24.69
Sex/Age	
Age Method	N/A
Collection Date	11-17-22
Skin on Fillet	N
MERCURY, TOTAL ug/g	.1615

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	343	437	381	372	357	331
Length (inches)	13.50	17.20	15.00	14.65	14.06	13.03
Weight (g)	440	1,160	780	720	650	560
Weight (oz)	15.52	40.92	27.51	25.40	22.93	19.75
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-17-22	11-17-22	11-17-22	11-17-22	11-17-22	11-17-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.0872 JI	.1618	.1583	.2826	.1593	.1127

Tallapoosa County **Lat/Lon: 32.87806 / -85.94361**

MARE-8 Elkahatchee Ck (Martin) - Deepest point, main creek channel, Elkahatchee Creek embayment, approximately 0.5 miles downstream of Elkahatchee/Sugar Creek confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	370	396	374	336	319	309
Length (inches)	14.57	15.59	14.72	13.23	12.56	12.17
Weight (g)	476	478	354	264	240	216
Weight (oz)	16.79	16.86	12.49	9.31	8.47	7.62
Sex/Age	F/3	M/4	F/4	M/3	F/3	M/3
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	11-02-22	11-02-22	11-02-22	11-02-22	11-02-22	11-02-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.1239	.2154	.1768	.1109	.073 JI	.1366

	Composite - 6 Fish
Bottle Code: 11/2/2022 MARE-6 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117 JQ2
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.59
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.225 JI
TOXAPHENE ug/g	< .069

Tallapoosa County **Lat/Lon: 32.87806 / -85.94361**

MARE-8 Elkahatchee Ck (Martin) - Deepest point, main creek channel, Elkahatchee Creek embayment, approximately 0.5 miles downstream of Elkahatchee/Sugar Creek confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	379	369	345	435	437	342
Length (inches)	14.92	14.53	13.58	17.13	17.20	13.46
Weight (g)	728	650	618	930	1,090	584
Weight (oz)	25.68	22.93	21.80	32.80	38.45	20.60
Sex/Age	F/2	M/2	M/3	F/5	F/4	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	11-02-22	11-02-22	11-02-22	11-02-22	11-02-22	11-02-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.3628	.2355	.4919	.6145	.3498	.2747

	Composite - 6 Fish
Bottle Code: 11/2/2022 MARE-6 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117 JQ2
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.275
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.371 JI
TOXAPHENE ug/g	< .069

Mobile County **Lat/Lon: 30.86274 / -88.41787**

E-1 Escatawpa R - Escatawpa River in the vicinity of US Hwy 98 bridge west of Wilmer, AL.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	378	351	360	400	465	540
Length (inches)	14.88	13.82	14.17	15.75	18.31	21.26
Weight (g)	380	250	320	450	870	1,340
Weight (oz)	13.40	8.82	11.29	15.87	30.69	47.27
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-06-22	12-06-22	12-06-22	12-06-22	12-06-22	12-06-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.2246	.1477	.1485	.2501	.1292	.2293

Spotted Bass (Micropterus punctulatus)

	Fish 1
Length (mm)	262
Length (inches)	10.31
Weight (g)	170
Weight (oz)	6.00
Sex/Age	
Age Method	N/A
Collection Date	12-06-22
Skin on Fillet	N
MERCURY, TOTAL ug/g	.9416

Marshall County **Lat/Lon: 34.42378 / -86.37447**

TENR-350 Guntersville Res - Dam forebay area. Tennessee River mile 350, downstream of Honeycomb Creek.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	527	593	440	403	535	565
Length (inches)	20.75	23.35	17.32	15.87	21.06	22.24
Weight (g)	1,554	2,242	866	512	1,414	1,822
Weight (oz)	54.82	79.08	30.55	18.06	49.88	64.27
Sex/Age	/4	/7	/4	/3	/6	/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-18-22	10-18-22	10-18-22	10-18-22	10-18-22	10-18-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.0951 JI	< .056	< .056	< .056	.0718 JI	< .056

	Composite - 6 Fish
Bottle Code: 10/18/2022 TENR-350 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.0051 JQ3
4,4'-DDT ug/g	< .00095 JQ3
AROCHLOR 1016 ug/g	< .117 JQ3
AROCHLOR 1221 ug/g	< .125 JQ3
AROCHLOR 1232 ug/g	< .125 JQ3
AROCHLOR 1242 ug/g	< .125 JQ3
AROCHLOR 1248 ug/g	< .125 JQ3
AROCHLOR 1254 ug/g	< .037 JQ3
AROCHLOR 1260 ug/g	< .1 JQ3
PCB'S, TOTAL ug/g	< .117 JQ3
ARSENIC, TOTAL ug/g	.06 JI
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	4.59
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	< .165
TOXAPHENE ug/g	< .069 JQ3

Marshall County **Lat/Lon: 34.42378 / -86.37447**

TENR-350 Guntersville Res - Dam forebay area. Tennessee River mile 350, downstream of Honeycomb Creek.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	414	439	397	405	417	411
Length (inches)	16.30	17.28	15.63	15.94	16.42	16.18
Weight (g)	1,004	1,328	878	964	1,054	982
Weight (oz)	35.42	46.84	30.97	34.00	37.18	34.64
Sex/Age	/4	/4	/4	/7	/5	/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-18-22	10-18-22	10-18-22	10-18-22	10-18-22	10-18-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.1929	.1279	.1136	.2344	.2489	.1086

	Composite - 6 Fish
Bottle Code: 10/18/2022 TENR-350 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0035 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.845
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.243 JI
TOXAPHENE ug/g	< .069

Jackson County **Lat/Lon: 34.55231 / -86.12161**

TENR-375 Guntersville Res - Guntersville Reservoir, Tennessee River mile 375 between the confluences of South Sauty Creek and the Tennessee River and North Sauty Creek and the Tennessee River.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	542	546	596	510	464	522
Length (inches)	21.34	21.50	23.46	20.08	18.27	20.55
Weight (g)	1,324	1,542	1,766	1,502	952	1,182
Weight (oz)	46.70	54.39	62.29	52.98	33.58	41.69
Sex/Age	/5	/5	/5	/5	/4	/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-19-22	10-19-22	10-19-22	10-19-22	10-19-22	10-19-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	< .056	< .056	< .056	< .056	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/19/2022 TENR-375 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0041 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	5.48
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	< .165
TOXAPHENE ug/g	< .069

Jackson County **Lat/Lon: 34.55231 / -86.12161**

TENR-375 Guntersville Res - Guntersville Reservoir, Tennessee River mile 375 between the confluences of South Sauty Creek and the Tennessee River and North Sauty Creek and the Tennessee River.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	451	351	472	367	389	397
Length (inches)	17.76	13.82	18.58	14.45	15.31	15.63
Weight (g)	1,536	654	1,642	832	860	936
Weight (oz)	54.18	23.07	57.92	29.35	30.34	33.02
Sex/Age	/6	/3	/6	/4	/4	/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-19-22	10-19-22	10-19-22	10-19-22	10-19-22	10-19-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.1902	< .056	.1285	.1015	.0869 JI	.143

	Composite - 6 Fish
Bottle Code: 10/19/2022 TENR-375 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.003 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	2.5619
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.274 JI
TOXAPHENE ug/g	< .069

Randolph County **Lat/Lon: 33.26406 / -85.61267**

RLHR-1 Harris Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	337	350	390	370
Length (inches)	13.27	13.78	15.35	14.57
Weight (g)	270	330	440	400
Weight (oz)	9.52	11.64	15.52	14.11
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	11-08-22	11-08-22	11-08-22	11-08-22
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.1411	.3215	.3443	.1602

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2
Length (mm)	356	358
Length (inches)	14.02	14.09
Weight (g)	530	540
Weight (oz)	18.70	19.05
Sex/Age		
Age Method	N/A	N/A
Collection Date	11-08-22	11-08-22
Skin on Fillet	N	N
MERCURY, TOTAL ug/g	.2004	.2668

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	475	434	344	321
Length (inches)	18.70	17.09	13.54	12.64
Weight (g)	1,190	1,090	430	330
Weight (oz)	41.98	38.45	15.17	11.64
Sex/Age				
Age Method	N/A	N/A	N/A	N/A
Collection Date	11-08-22	11-08-22	11-08-22	11-08-22
Skin on Fillet	N	N	N	N
MERCURY, TOTAL ug/g	.3871	.2834	.1907	.1841

Mobile County **Lat/Lon: 30.33719 / -88.13689**

HRNM-1 Heron Bay - Heron Bay.

Atlantic Croaker (Micropogon undulatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	211	196	157
Length (inches)	8.31	7.72	6.18
Weight (g)	90	50	40
Weight (oz)	3.17	1.76	1.41
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-30-22	11-30-22	11-30-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	< .056	< .056	< .056

Black Drum (Pogonias cromis)

	Fish 1
Length (mm)	569
Length (inches)	22.40
Weight (g)	2,220
Weight (oz)	78.31
Sex/Age	
Age Method	N/A
Collection Date	11-30-22
Skin on Fillet	N
MERCURY, TOTAL ug/g	< .056

Speckled Trout (Cynoscion nebulosus)

	Fish 1	Fish 2	Fish 3
Length (mm)	340	344	340
Length (inches)	13.39	13.54	13.39
Weight (g)	320	360	360
Weight (oz)	11.29	12.70	12.70
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-30-22	11-30-22	11-30-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.1303	< .056	< .056

Elmore County **Lat/Lon: 32.62129 / -86.25953**

JORE-1 Jordan Res - Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	263	282	249	270	261	249
Length (inches)	10.35	11.10	9.80	10.63	10.28	9.80
Weight (g)	124	198	112	152	142	114
Weight (oz)	4.37	6.98	3.95	5.36	5.01	4.02
Sex/Age	M/3	F/4	M/3	F/3	M/4	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.133	.305	.25	.13	.77	.156
MERCURY, TOTAL ug/g	< .056	.1244	< .056	.1106	.0564 JI	< .056

	Composite - 6 Fish
Bottle Code: 10/11/2022 JORE-1 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	< .00094 JQ3
4,4'-DDT ug/g	< .00095 JQ3
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	.29
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.206 JI
TOXAPHENE ug/g	< .069 JQ3

Elmore County **Lat/Lon: 32.62129 / -86.25953**

JORE-1 Jordan Res - Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	346	402	380	449	390	355
Length (inches)	13.62	15.83	14.96	17.68	15.35	13.98
Weight (g)	544	726	700	1,056	788	694
Weight (oz)	19.19	25.61	24.69	37.25	27.80	24.48
Sex/Age	M/3	F/4	M/2	F/6	F/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.015	.19	.125	.17	.155	.3
MERCURY, TOTAL ug/g	.2232	.359	.2037	.2933	.2364	.193

	Composite - 6 Fish
Bottle Code: 10/11/2022 JORE-1 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.001 JQ1I
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.39
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.307 JI
TOXAPHENE ug/g	< .069

Chilton County **Lat/Lon: 32.96828 / -86.51888**

LAYC-1 Lay Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	351	325	326	321	304	316
Length (inches)	13.82	12.80	12.83	12.64	11.97	12.44
Weight (g)	304	248	238	230	228	228
Weight (oz)	10.72	8.75	8.40	8.11	8.04	8.04
Sex/Age	M/4	F/5	M/5	M/3	M/4	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-12-22	10-12-22	10-12-22	10-12-22	10-12-22	10-12-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.295	.1	.115	.33	.3	.135
MERCURY, TOTAL ug/g	< .056	< .056	.0575	< .056	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/12/2022 LAYC-1 BLC 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.0015 JQ3I
4,4'-DDT ug/g	< .00095 JQ3
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	.28
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.21 JI
TOXAPHENE ug/g	< .069 JQ3

Chilton County **Lat/Lon: 32.96828 / -86.51888**

LAYC-1 Lay Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	347	376	466	413	411	364
Length (inches)	13.66	14.80	18.35	16.26	16.18	14.33
Weight (g)	588	872	1,424	1,116	880	838
Weight (oz)	20.74	30.76	50.23	39.37	31.04	29.56
Sex/Age	F/4	M/4	F/5	F/3	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-12-22	10-12-22	10-12-22	10-12-22	10-12-22	10-12-22
Skin on Fillet	N	N	N	N	N	N
Lesions			Moderate			
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	.044 JI	< .037	< .037	< .037	.045
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.15	.975	.195	.26	.11	1.375
MERCURY, TOTAL ug/g	.3015	.1973	.2861	.2227	.2897	.1406

	Composite - 6 Fish
Bottle Code: 10/12/2022 LAYC-1 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0025 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0011 JQ1
HEXACHLOROBENZENE ug/g	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.6
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.311 JI
TOXAPHENE ug/g	< .069

Chilton County **Lat/Lon: 32.96828 / -86.51888**

LAYC-1 Lay Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	611	736	514
Length (inches)	24.06	28.98	20.24
Weight (g)	2,226	3,338	1,134
Weight (oz)	78.52	117.74	40.00
Sex/Age	F/2	F/4	F/2
Age Method	Otolith	Otolith	Otolith
Collection Date	10-12-22	10-12-22	10-12-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117 JQ1	< .117 JQ1	< .117 JQ1
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.291	.092 JI	.291
AROCHLOR 1260 ug/g	.399	.253	.239
PCB'S, TOTAL ug/g	.69	.344	.53
LIPIDS %	1.905	.23	1.53
MERCURY, TOTAL ug/g	.2151	.3259	.1904

	Composite - 3 Fish
Bottle Code: 10/12/2022 LAYC-1 STB 01-03	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0195 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.51
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.282 JI
TOXAPHENE ug/g	< .069

Shelby County **Lat/Lon: 33.27842 / -86.38992**

LAYC-13 Lay Res - Approximately 1.5 mi downstream of US Hwy 280 bridge. Vicinity of Coosa R mile 444.0.Lat/Lon calculated at rm 444.0.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2
Length (mm)	490	470
Length (inches)	19.29	18.50
Weight (g)	976	960
Weight (oz)	34.43	33.86
Sex/Age	M/7	M/5
Age Method	Spine	Spine
Collection Date	10-12-22	10-12-22
Skin on Fillet	N	N
AROCHLOR 1016 ug/g	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125
LIPIDS %	.36	.07
MERCURY, TOTAL ug/g	.1195	.1134

	Composite - 2 Fish	
Bottle Code: 10/12/2022 LAYC-13 BLC 01-02		
2,4'-DDD ug/g	< .0015	
2,4'-DDE ug/g	< .0017	
2,4'-DDT ug/g	< .0016	JQ2
4,4'-DDD ug/g	< .0019	JQ1
4,4'-DDE ug/g	.0012	JQ1I
4,4'-DDT ug/g	< .00095	JQ1
ARSENIC, TOTAL ug/g	< .059	
CADMIUM, TOTAL ug/g	< .0811	
CHLORDANE, TOTAL ug/g	< .072	
CHLORPYRIFOS ug/g	< .0019	
DIELDRIN ug/g	< .00098	JQ1
ENDOSULFAN I ug/g	< .00094	JQ1
ENDOSULFAN II ug/g	< .0019	JQ1
ENDRIN ug/g	< .00082	JQ1
HEPTACHLOR ug/g	< .0011	JQ1
HEPTACHLOR EPOXIDE u	< .0011	JQ1
HEXACHLOROBENZENE u	< .0015	
LINDANE ug/g	< .00097	JQ1
LIPIDS %	.34	
MIREX ug/g	< .0016	
SELENIUM, TOTAL ug/g	.182	JI
TOXAPHENE ug/g	< .069	JQ1

Shelby County **Lat/Lon: 33.27842 / -86.38992**

LAYC-13 Lay Res - Approximately 1.5 mi downstream of US Hwy 280 bridge. Vicinity of Coosa R mile 444.0.Lat/Lon calculated at rm 444.0.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4
Length (mm)	445	480	400	450
Length (inches)	17.52	18.90	15.75	17.72
Weight (g)	776	1,000	574	816
Weight (oz)	27.37	35.27	20.25	28.78
Sex/Age	M/6	M/5	M/4	M/5
Age Method	Spine	Spine	Spine	Spine
Collection Date	10-12-22	10-12-22	10-12-22	10-12-22
Skin on Fillet	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125
LIPIDS %	.245	.385	.555	.03
MERCURY, TOTAL ug/g	.1465	.235	.2974	.2287

	Composite - 4 Fish
Bottle Code: 10/12/2022 LAYC-13 CHC 01-04	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.435
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.247 JI
TOXAPHENE ug/g	< .069 JQ1

Shelby County **Lat/Lon: 33.27842 / -86.38992**

LAYC-13 Lay Res - Approximately 1.5 mi downstream of US Hwy 280 bridge. Vicinity of Coosa R mile 444.0.Lat/Lon calculated at rm 444.0.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	410	390	355	375	355	445
Length (inches)	16.14	15.35	13.98	14.76	13.98	17.52
Weight (g)	1,104	852	712	860	728	1,368
Weight (oz)	38.94	30.05	25.12	30.34	25.68	48.25
Sex/Age	F/3	M/4	M/4	M/5	F/3	M/6
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-12-22	10-12-22	10-12-22	10-12-22	10-12-22	10-12-22
Skin on Fillet	N	N	N	N	N	N
Internal Parasite				Slight/Mild		Slight/Mild
AROCHLOR 1016 ug/g	< .117 JQ3	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125 JQ3	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125 JQ3	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125 JQ3	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125 JQ3	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.13 JQ3	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	.286 JQ3	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	.416 JQ3	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.705	.065	.095	.025	.165	.11
MERCURY, TOTAL ug/g	.299	.4979	.3785	.4666	.2232	.5495

	Composite - 6 Fish
Bottle Code: 10/12/2022 LAYC-13 LMB 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0078 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.435
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.305 JI
TOXAPHENE ug/g	< .069 JQ1

St Clair County **Lat/Lon: 33.40106 / -86.37039**

LAYC-15 Lay Res - Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	522	527	474	493	495	499
Length (inches)	20.55	20.75	18.66	19.41	19.49	19.65
Weight (g)	1,260	1,304	920	1,090	1,122	1,100
Weight (oz)	44.45	46.00	32.45	38.45	39.58	38.80
Sex/Age	M/7	M/6	M/5	M/6	M/6	M/7
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117 JQ1	< .117 JQ1	< .117 JQ1	< .117 JQ1	< .117 JQ1	< .117 JQ1
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1 JQ1	< .1 JQ1	< .1 JQ1	< .1 JQ1	< .1 JQ1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.47	.81	.33	.26	1.23	.22
MERCURY, TOTAL ug/g	.2804	.2209	.2195	.2048	.264	.2004

	Composite - 6 Fish
Bottle Code: 10/11/2022 LAYC-15 BLC 01-06	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0014 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0011 JQ1
HEXACHLOROBENZENE ug/g	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.375
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.225 JI
TOXAPHENE ug/g	< .069

St Clair County **Lat/Lon: 33.40106 / -86.37039**

LAYC-15 Lay Res - Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	460	469	437	414	412	361
Length (inches)	18.11	18.46	17.20	16.30	16.22	14.21
Weight (g)	1,622	1,552	1,152	1,010	1,098	564
Weight (oz)	57.21	54.75	40.64	35.63	38.73	19.89
Sex/Age	F/5	F/6	F/3	F/2	M/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22
Skin on Fillet	N	N	N	N	N	N
Internal Parasite					Slight/Mild	
AROCHLOR 1016 ug/g	< .117 JQ1	< .117 JQ1	< .117	< .117 JQ1	< .117 JQ1	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.2	.178	.104 JI	.172	.247	.089
AROCHLOR 1260 ug/g	.255 JQ1	.161 JQ1	< .1	.127 JQ1	.202 JQ1	< .1
PCB'S, TOTAL ug/g	.455	.339	< .125	.299	.45	< .125
LIPIDS %	1.6	1.125	1.365	2.45	1.515	.89
MERCURY, TOTAL ug/g	.331	.4043	.2222	.158	.1878	.2024

	Composite - 6 Fish
Bottle Code: 10/11/2022 LAYC-15 SPB 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.01 JQ3
4,4'-DDT ug/g	< .00095 JQ3
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	1.855
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.362 JI
TOXAPHENE ug/g	< .069 JQ3

St Clair County **Lat/Lon: 33.40106 / -86.37039**

LAYC-15 Lay Res - Two Miles downstream of Logan Martin Dam and one half mile downstream of Kelly Creek/Coosa River confluence. Vicinity of Ratcliff/Elliot Island.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	595	625	458
Length (inches)	23.43	24.61	18.03
Weight (g)	2,056	1,982	1,134
Weight (oz)	72.52	69.91	40.00
Sex/Age	F/3	F/2	F/1
Age Method	Otolith	Otolith	Otolith
Collection Date	10-11-22	10-11-22	10-11-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117 JQ1	< .117 JQ1	< .117 JQ1
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.205	.297	.169
AROCHLOR 1260 ug/g	.266 JQ1	.33 JQ1	.109 JQ1
PCB'S, TOTAL ug/g	.472	.626	.278
LIPIDS %	.805	1.095	3.18
MERCURY, TOTAL ug/g	.17	.2674	.155

	Composite - 3 Fish
Bottle Code: 10/11/2022 LAYC-15 STB 01-03	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.017 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.62
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.381 JI
TOXAPHENE ug/g	< .069

St Clair County **Lat/Lon: 33.43158 / -86.33055**

LOGS-1 Logan Martin Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Black Crappie (Pomoxis nigromaculatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	370	330	268	236	210	215
Length (inches)	14.57	12.99	10.55	9.29	8.27	8.46
Weight (g)	900	558	310	204	150	146
Weight (oz)	31.75	19.68	10.93	7.20	5.29	5.15
Sex/Age	F/5	F/3	M/2	M/1	M/3	M/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117 JQ2	< .117 JQ2	< .117 JQ2
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1 JQ2	< .1 JQ2	< .1 JQ2
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.205	.265	.4	.53	.39	.205
MERCURY, TOTAL ug/g	.1196	< .056	< .056	< .056	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/6/2022 LOGS-1 BCR 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.375
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.377 JI
TOXAPHENE ug/g	< .069

St Clair County **Lat/Lon: 33.43158 / -86.33055**

LOGS-1 Logan Martin Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	296	361	495	306	371	325
Length (inches)	11.65	14.21	19.49	12.05	14.61	12.80
Weight (g)	192	328	1,054	198	346	256
Weight (oz)	6.77	11.57	37.18	6.98	12.20	9.03
Sex/Age	M/3	M/4	M/7	M/4	M/5	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117 JQ2	< .117 JQ2	< .117	< .117	< .117 JQ2	< .117 JQ2
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125 JQ3
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125 JQ3
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125 JQ3
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125 JQ3
AROCHLOR 1254 ug/g	< .037	.049 JI	< .037	< .037	< .037	< .037 JQ3
AROCHLOR 1260 ug/g	< .1 JQ2	< .1 JQ2	.102 JI	.146	< .1 JQ2	.129 JQ2
PCB'S, TOTAL ug/g	< .125	< .125	< .125	.146	< .125	.129 JQ3
LIPIDS %	.19	.525	.095	.155	.22	.125
MERCURY, TOTAL ug/g	< .056	< .056	.083 JI	< .056	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/6/2022 LOGS-1 BLC 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	< .00094 JQ3
4,4'-DDT ug/g	< .00095 JQ3
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	.145
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.228 JI
TOXAPHENE ug/g	< .069 JQ3

St Clair County **Lat/Lon: 33.43158 / -86.33055**

LOGS-1 Logan Martin Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	361	368	365	372	352	341
Length (inches)	14.21	14.49	14.37	14.65	13.86	13.43
Weight (g)	562	690	618	728	644	564
Weight (oz)	19.82	24.34	21.80	25.68	22.72	19.89
Sex/Age	M/2	M/3	M/3	M/4	M/2	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22	10-06-22
Skin on Fillet	N	N	N	N	N	N
Internal Parasite	Slight/Mild					
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.079 JI	.045 JI	.053 JI	.115 JI	.136	.087 JI
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	.136	< .125
LIPIDS %	.645	.61	.285	.55	1.325	.955
MERCURY, TOTAL ug/g	.1527	.1069	.1361	.1302	.1425	.0992 JI

	Composite - 6 Fish
Bottle Code: 10/6/2022 LOGS-1 SPB 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0082 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.76
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.344 JI
TOXAPHENE ug/g	< .069 JQ1

St Clair County **Lat/Lon: 33.43158 / -86.33055**

LOGS-1 Logan Martin Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	245	407	243
Length (inches)	9.65	16.02	9.57
Weight (g)	270	946	208
Weight (oz)	9.52	33.37	7.34
Sex/Age	M/2	F/1	M/2
Age Method	Otolith	Otolith	Otolith
Collection Date	10-06-22	10-06-22	10-06-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117 JQ2	< .117 JQ2	< .117 JQ2
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.049 JI	.146	.068 JI
AROCHLOR 1260 ug/g	< .1 JQ2	.124 JQ2I	< .1 JQ2
PCB'S, TOTAL ug/g	< .125	.27	< .125
LIPIDS %	.775	1.985	.88
MERCURY, TOTAL ug/g	< .056	< .056	< .056

	Composite - 3 Fish
Bottle Code: 10/6/2022 LOGS-1 STB 01-03	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0076 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.285
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.551
TOXAPHENE ug/g	< .069

St Clair County **Lat/Lon: 33.59397 / -86.18428**

LOGS-16 Logan Martin Res - Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.

Black Crappie (Pomoxis nigromaculatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	265	280	312	260	240	245
Length (inches)	10.43	11.02	12.28	10.24	9.45	9.65
Weight (g)	292	352	516	266	224	212
Weight (oz)	10.30	12.42	18.20	9.38	7.90	7.48
Sex/Age	M/2	F/3	F/4	M/3	M/3	F/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22
Skin on Fillet	N	N	N	N	N	N
Internal Parasite						Slight/Mild
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	.052 JI	.104 JI	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	.12 JI	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	.224	< .125	< .125	< .125
LIPIDS %	.585	1.335	.52	.19	.105	.435
MERCURY, TOTAL ug/g	< .056	< .056	.0835 JI	< .056	< .056	.0568 JI

	Composite - 6 Fish
Bottle Code: 10/5/2022 LOGS-16 BCR 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0091 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE ug/g	< .0011 JQ1
HEXACHLOROBENZENE ug/g	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.67
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.367 JI
TOXAPHENE ug/g	< .069 JQ1

St Clair County **Lat/Lon: 33.59397 / -86.18428**

LOGS-16 Logan Martin Res - Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	430	385	335	292	416	392
Length (inches)	16.93	15.16	13.19	11.50	16.38	15.43
Weight (g)	698	636	328	244	720	626
Weight (oz)	24.62	22.43	11.57	8.61	25.40	22.08
Sex/Age	M/7	M/7	M/6	M/4	F/5	M/8
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117 JQ2	< .117	< .117 JQ2	< .117 JQ2	< .117 JQ2	< .117 JQ2
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.105 JI	< .037	< .037	.064 JI	< .037	< .037
AROCHLOR 1260 ug/g	< .1 JQ2	.58	< .1 JQ2	.155 JQ2	< .1 JQ2	< .1 JQ2
PCB'S, TOTAL ug/g	< .125	.58	< .125	.219	< .125	< .125
LIPIDS %	.195	.31	.21	.545	1.38	2.96
MERCURY, TOTAL ug/g	< .056	< .056	.0793 JI	< .056	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/5/2022 LOGS-16 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0047 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.235
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.248 JI
TOXAPHENE ug/g	< .069

St Clair County **Lat/Lon: 33.59397 / -86.18428**

LOGS-16 Logan Martin Res - Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	395	370	414	366	310	350
Length (inches)	15.55	14.57	16.30	14.41	12.20	13.78
Weight (g)	794	706	1,124	722	480	618
Weight (oz)	28.01	24.90	39.65	25.47	16.93	21.80
Sex/Age	M/3	M/2	F/3	M/2	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.063 JI	.08 JI	.22	.058 JI	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	.261	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	.481	< .125	< .125	< .125
LIPIDS %	.715	.39	2.17	1.085	.51	.585
MERCURY, TOTAL ug/g	.0992 JI	.117	.1303	.1704	< .056	.0945 JI

	Composite - 6 Fish
Bottle Code: 10/5/2022 LOGS-16 SPB 01-06	
2,4'-DDD ug/g	.0024
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0152 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	.066 JI
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.015
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.312 JI
TOXAPHENE ug/g	< .069 JQ1

St Clair County **Lat/Lon: 33.59397 / -86.18428**

LOGS-16 Logan Martin Res - Logan Martin at Riverside, near confluence of Blue Eye Creek, AL Power reservoir mile 20.0 (Vicinity of I-20 bridge) 5-6 miles upstream of Choccolocco Creek.

Striped Bass (Morone saxatilis)

	Fish 1
Length (mm)	356
Length (inches)	14.02
Weight (g)	386
Weight (oz)	13.62
Sex/Age	F/1
Age Method	Otolith
Collection Date	10-05-22
Skin on Fillet	N

2,4'-DDD ug/g	< .0015	JQ1
2,4'-DDE ug/g	< .0017	JQ1
2,4'-DDT ug/g	< .0016	JQ1
4,4'-DDD ug/g	< .0019	JQ1
4,4'-DDE ug/g	.0156	JQ1
4,4'-DDT ug/g	< .00095	JQ1
AROCHLOR 1016 ug/g	< .117	JQ2
AROCHLOR 1221 ug/g	< .125	
AROCHLOR 1232 ug/g	< .125	
AROCHLOR 1242 ug/g	< .125	
AROCHLOR 1248 ug/g	< .125	
AROCHLOR 1254 ug/g	< .037	
AROCHLOR 1260 ug/g	.16	
PCB'S, TOTAL ug/g	.16	
ARSENIC, TOTAL ug/g	< .059	
CADMIUM, TOTAL ug/g	< .0811	
CHLORDANE, TOTAL ug/g	< .072	JQ1
CHLORPYRIFOS ug/g	< .0019	JQ1
DIELDRIN ug/g	< .00098	JQ1
ENDOSULFAN I ug/g	< .00094	JQ1
ENDOSULFAN II ug/g	< .0019	JQ1
ENDRIN ug/g	< .00082	JQ1
HEPTACHLOR ug/g	< .0011	JQ1
HEPTACHLOR EPOXIDE u	< .0011	JQ1
HEXACHLOROBENZENE u	< .0015	JQ1
LINDANE ug/g	< .00097	JQ1
LIPIDS %	.95	
MERCURY, TOTAL ug/g	.1202	
MIREX ug/g	< .0016	JQ1
SELENIUM, TOTAL ug/g	.269	JI
TOXAPHENE ug/g	< .069	

Tallapoosa County **Lat/Lon: 32.68647 / -85.91073**

MARE-1 Martin Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	520	524	444
Length (inches)	20.47	20.63	17.48
Weight (g)	1,270	1,100	690
Weight (oz)	44.80	38.80	24.34
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-16-22	11-16-22	11-16-22
Skin on Fillet	N	N	N
Lesions		Slight/Mild	
MERCURY, TOTAL ug/g	< .056	.0902 JI	< .056

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	446	342	390	450	370	326
Length (inches)	17.56	13.46	15.35	17.72	14.57	12.83
Weight (g)	1,200	550	750	1,220	540	390
Weight (oz)	42.33	19.40	26.46	43.03	19.05	13.76
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-16-22	11-16-22	11-16-22	11-16-22	11-16-22	11-16-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.2136	.1969	.4355	.5344	.1772	.1793

Coosa County **Lat/Lon: 32.81065 / -86.44197**

MITC-1 Mitchell Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	487	460	358	397	388	315
Length (inches)	19.17	18.11	14.09	15.63	15.28	12.40
Weight (g)	988	794	382	496	448	244
Weight (oz)	34.85	28.01	13.47	17.50	15.80	8.61
Sex/Age	M/6	F/7	M/5	M/6	F/5	F/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117 JQ3	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125 JQ3	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125 JQ3	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125 JQ3	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125 JQ3	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037 JI	< .037	< .037 JQ3	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1 JQ1	< .1 JQ1	< .1 JQ3	< .1 JQ1	< .1 JQ1	< .1 JQ1
PCB'S, TOTAL ug/g	< .125	< .125	< .125 JQ3	< .125	< .125	< .125
LIPIDS %	.335	.165	.01	.17	.1	.075
MERCURY, TOTAL ug/g	.1125	.0945 JI	.0576 JI	.0582 JI	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/11/2022 MITC-1 BLC 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.14
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.222 JI
TOXAPHENE ug/g	< .069 JQ1

Coosa County **Lat/Lon: 32.81065 / -86.44197**

MITC-1 Mitchell Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	391	398	436	356	403	335
Length (inches)	15.39	15.67	17.17	14.02	15.87	13.19
Weight (g)	764	876	1,070	564	944	586
Weight (oz)	26.95	30.90	37.74	19.89	33.30	20.67
Sex/Age	M/4	F/3	M/3	F/3	M/3	M/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22	10-11-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1 JQ1	< .1 JQ1	< .1 JQ1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.025	.06	.685	.18	.215	1.36
MERCURY, TOTAL ug/g	.4701	.2484	.2443	.1586	.1876	.0868 JI

	Composite - 6 Fish
Bottle Code: 10/11/2022 MITC-1 LMB 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.465
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.362 JI
TOXAPHENE ug/g	< .069 JQ1

Calhoun County **Lat/Lon: 33.80662 / -86.06447**

NEES-1 Neely Henry Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	310	270	246	293	272	285
Length (inches)	12.20	10.63	9.69	11.54	10.71	11.22
Weight (g)	218	144	124	212	158	188
Weight (oz)	7.69	5.08	4.37	7.48	5.57	6.63
Sex/Age	M/4	M/3	M/4	M/4	M/4	M/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.2	.14	.31	.19	.12	.38
MERCURY, TOTAL ug/g	< .056	< .056	< .056	< .056	.0853 JI	< .056

	Composite - 6 Fish
Bottle Code: 10/5/2022 NEES-1 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0014 JQ1I
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.26
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.253 JI
TOXAPHENE ug/g	< .069

Calhoun County **Lat/Lon: 33.80662 / -86.06447**

NEES-1 Neely Henry Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	
Length (mm)	341	
Length (inches)	13.43	
Weight (g)	558	
Weight (oz)	19.68	
Sex/Age	M/2	
Age Method	Otolith	
Collection Date	10-05-22	
Skin on Fillet	N	
2,4'-DDD ug/g	< .0015	JQ2
2,4'-DDE ug/g	< .0017	JQ2
2,4'-DDT ug/g	< .0016	JQ2
4,4'-DDD ug/g	< .0019	JQ1
4,4'-DDE ug/g	.0025	JQ1
4,4'-DDT ug/g	< .00095	JQ1
AROCHLOR 1016 ug/g	< .117	JQ1
AROCHLOR 1221 ug/g	< .125	
AROCHLOR 1232 ug/g	< .125	
AROCHLOR 1242 ug/g	< .125	
AROCHLOR 1248 ug/g	< .125	
AROCHLOR 1254 ug/g	< .037	
AROCHLOR 1260 ug/g	< .1	
PCB'S, TOTAL ug/g	< .117	
ARSENIC, TOTAL ug/g	< .059	
CADMIUM, TOTAL ug/g	< .0811	
CHLORDANE, TOTAL ug/g	< .072	
CHLORPYRIFOS ug/g	< .0019	JQ2
DIELDRIN ug/g	< .00098	JQ1
ENDOSULFAN I ug/g	< .00094	JQ1
ENDOSULFAN II ug/g	< .0019	JQ1
ENDRIN ug/g	< .00082	JQ1
HEPTACHLOR ug/g	< .0011	JQ1
HEPTACHLOR EPOXIDE u	< .0011	JQ1
HEXACHLOROBENZENE u	< .0015	JQ2
LINDANE ug/g	< .00097	JQ1
LIPIDS %	.525	
MERCURY, TOTAL ug/g	< .056	
MIREX ug/g	< .0016	JQ2
SELENIUM, TOTAL ug/g	.408	JI
TOXAPHENE ug/g	< .069	

Calhoun County **Lat/Lon: 33.80662 / -86.06447**

NEES-1 Neely Henry Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5
Length (mm)	416	424	411	420	464
Length (inches)	16.38	16.69	16.18	16.54	18.27
Weight (g)	1,030	1,082	1,102	996	1,388
Weight (oz)	36.33	38.17	38.87	35.13	48.96
Sex/Age	F/3	F	F/3	F/3	F/6
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-05-22	10-05-22	10-05-22	10-05-22	10-05-22
Skin on Fillet	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.081 JI	.057 JI	< .037	< .037	.07 JI
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	.125 JI
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	.194
LIPIDS %	1.735	.86	.57	1.085	1.995
MERCURY, TOTAL ug/g	.1239	.1867	.1307	.178	.2401

	Composite - 5 Fish
Bottle Code: 10/5/2022 NEES-1 SPB 01-05	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.031 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	2.22
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.304 JI
TOXAPHENE ug/g	< .069

Colbert County **Lat/Lon: 34.89692 / -88.01547**

TENR-230 Pickwick Res - Vicinity of Tennesse River mile 230, 2.5 miles upstream of Tennessee River/Second Creek confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	515	550	558	509	414	406
Length (inches)	20.28	21.65	21.97	20.04	16.30	15.98
Weight (g)	1,426	1,704	1,438	1,154	620	590
Weight (oz)	50.30	60.11	50.72	40.71	21.87	20.81
Sex/Age	/5	/6	/6	/6	/4	/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	< .056	< .056	.1454	< .056	.1196	< .056

	Composite - 6 Fish
Bottle Code: 10/26/2022 TENR-230 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0295 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.5
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.176 JI
TOXAPHENE ug/g	< .069

Colbert County **Lat/Lon: 34.89692 / -88.01547**

TENR-230 Pickwick Res - Vicinity of Tennesse River mile 230, 2.5 miles upstream of Tennessee River/Second Creek confluence.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	568	413	367	432	372	395
Length (inches)	22.36	16.26	14.45	17.01	14.65	15.55
Weight (g)	3,464	1,088	770	1,194	868	894
Weight (oz)	122.19	38.38	27.16	42.12	30.62	31.53
Sex/Age	/7	/3	/3	/7	/3	/2
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.279	.2218	.1511	.2611	.2517	.1703

	Composite - 6 Fish
Bottle Code: 10/26/2022 TENR-230 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0036 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.455
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.251 JI
TOXAPHENE ug/g	< .069

Lauderdale County **Lat/Lon: 34.74306 / -87.74656**

TENR-253 Pickwick Res - Pickwick Reservoir between Tennessee River miles 251.0-255.0, near Sheffield, AL.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	542	435	518	445	461	415
Length (inches)	21.34	17.13	20.39	17.52	18.15	16.34
Weight (g)	1,384	730	1,290	656	774	638
Weight (oz)	48.82	25.75	45.50	23.14	27.30	22.50
Sex/Age	/6	/5	/5	/5	/5	/4
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-27-22	10-27-22	10-27-22	10-27-22	10-27-22	10-27-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.289	.1135	.2409	.1277	.1127	< .056

	Composite - 6 Fish
Bottle Code: 10/27/2022 TENR-253 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0519 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	2.445
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	< .165
TOXAPHENE ug/g	< .069

Lauderdale County **Lat/Lon: 34.74306 / -87.74656**

TENR-253 Pickwick Res - Pickwick Reservoir between Tennessee River miles 251.0-255.0, near Sheffield, AL.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	395	390	371	406	401	355
Length (inches)	15.55	15.35	14.61	15.98	15.79	13.98
Weight (g)	974	954	808	1,080	1,032	762
Weight (oz)	34.36	33.65	28.50	38.10	36.40	26.88
Sex/Age	/2	/2	/2	/3	/3	/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-27-22	10-27-22	10-27-22	10-27-22	10-27-22	10-27-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.0823 JI	.0936 JI	.0805 JI	.1788	.1158	< .056

	Composite - 6 Fish
Bottle Code: 10/27/2022 TENR-253 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0063 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.655
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.232 JI
TOXAPHENE ug/g	< .069

Mobile County **Lat/Lon: 30.34400 / -88.24858**

PRBM-1 Portersville Bay - Main channel offshore south of Bayou La Batre.

Mangrove Snapper (Lutjanus griseus)

	Fish 1
Length (mm)	214
Length (inches)	8.43
Weight (g)	140
Weight (oz)	4.94
Sex/Age	
Age Method	N/A
Collection Date	11-30-22
Skin on Fillet	N
MERCURY, TOTAL ug/g	.0857 JI

Sand Seatrout (Cynoscion arenarius)

	Fish 1	Fish 2	Fish 3
Length (mm)	227	225	222
Length (inches)	8.94	8.86	8.74
Weight (g)	9	10	9
Weight (oz)	0.32	0.35	0.32
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-30-22	11-30-22	11-30-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.1128	.1136	.0995 JI

Striped Mullet (Mugil cephalus)

	Fish 1	Fish 2	Fish 3
Length (mm)	338	362	340
Length (inches)	13.31	14.25	13.39
Weight (g)	390	430	350
Weight (oz)	13.76	15.17	12.35
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-30-22	11-30-22	11-30-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	< .056	< .056	< .056

Dallas County **Lat/Lon: 32.32575 / -87.01250**

DANW-15 Sixmile Ck - Sixmile Creek upstream of confluence with the Alabama River, near Selma.

Freshwater Drum (Aplodinotus grunniens)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	459	357	338	455	292	369
Length (inches)	18.07	14.06	13.31	17.91	11.50	14.53
Weight (g)	1,200	470	470	1,070	280	590
Weight (oz)	42.33	16.58	16.58	37.74	9.88	20.81
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-02-22	12-02-22	12-02-22	12-02-22	12-02-22	12-02-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.1339	.1197	.2149	.1893	.1067	.1191

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3
Length (mm)	448	347	292
Length (inches)	17.64	13.66	11.50
Weight (g)	1,230	520	290
Weight (oz)	43.39	18.34	10.23
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	12-02-22	12-02-22	12-02-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.2237	.1086	.3617

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	298	259	272
Length (inches)	11.73	10.20	10.71
Weight (g)	310	160	210
Weight (oz)	10.93	5.64	7.41
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	12-02-22	12-02-22	12-02-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.0824 JI	< .056	.0929 JI

Tallapoosa County **Lat/Lon: 32.60766 / -85.88221**

YATE-2 Sougahatchee Ck (Yates) - Deepest point, main creek channel, Sougahatchee Creek embayment. Approximately 0.8 miles upstream from the Tallapoosa River confluence.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	475	466	501	419	609	465
Length (inches)	18.70	18.35	19.72	16.50	23.98	18.31
Weight (g)	1,010	760	1,110	640	1,870	950
Weight (oz)	35.63	26.81	39.15	22.58	65.96	33.51
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-09-22	11-09-22	11-09-22	11-09-22	11-09-22	11-09-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.2049	.1557	.2275	.0872 JI	.2416	.1748

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	343	332	394	363	377	310
Length (inches)	13.50	13.07	15.51	14.29	14.84	12.20
Weight (g)	450	400	730	480	680	390
Weight (oz)	15.87	14.11	25.75	16.93	23.99	13.76
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-09-22	11-09-22	11-09-22	11-09-22	11-09-22	11-09-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.2485	.2924	.2166	.4932	.3013	.4448

Tallapoosa County **Lat/Lon: 32.88951 / -85.94804**

SUGT-2 Sugar Ck (Martin) - Martin Reservoir, Sugar Creek embayment.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	426	420	510
Length (inches)	16.77	16.54	20.08
Weight (g)	580	650	1,170
Weight (oz)	20.46	22.93	41.27
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-09-22	11-09-22	11-09-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.4678	.1748	.225

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	395	361	348	385	372	342
Length (inches)	15.55	14.21	13.70	15.16	14.65	13.46
Weight (g)	710	550	510	700	620	430
Weight (oz)	25.04	19.40	17.99	24.69	21.87	15.17
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-09-22	11-09-22	11-09-22	11-09-22	11-09-22	11-09-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.5236	.3508	.3018	.3052	.3108	.2076

Montgomery County **Lat/Lon: 32.43972 / -86.19556**

TARE-1 Tallapoosa R - Tallapoosa River, deepest point, main river channel. 3.1 miles upstream of HWY 231.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	487	433	549	456	456	494
Length (inches)	19.17	17.05	21.61	17.95	17.95	19.45
Weight (g)	970	560	1,120	710	670	990
Weight (oz)	34.22	19.75	39.51	25.04	23.63	34.92
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-21-22	11-21-22	11-21-22	11-21-22	11-21-22	11-21-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.0776 JI	.1411	.1335	.0863 JI	.0893 JI	.0981 JI

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	500	327	361	340	324	315
Length (inches)	19.69	12.87	14.21	13.39	12.76	12.40
Weight (g)	1,580	330	510	320	270	270
Weight (oz)	55.73	11.64	17.99	11.29	9.52	9.52
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-21-22	11-21-22	11-21-22	11-21-22	11-21-22	11-21-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.305	.2956	.513	.2881	.4138	.377

Elmore County **Lat/Lon: 32.53763 / -85.88931**

THUE-1 Thurlow Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	409	342	335	389	361	341
Length (inches)	16.10	13.46	13.19	15.31	14.21	13.43
Weight (g)	1,010	450	500	760	560	460
Weight (oz)	35.63	15.87	17.64	26.81	19.75	16.23
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-13-22	12-13-22	12-13-22	12-13-22	12-13-22	12-13-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.3799	.2721	.2602	.4079	.3536	.2962

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1 Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Black Crappie (Pomoxis nigromaculatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	241	245	215	229	225	230
Length (inches)	9.49	9.65	8.46	9.02	8.86	9.06
Weight (g)	238	230	168	194	190	210
Weight (oz)	8.40	8.11	5.93	6.84	6.70	7.41
Sex/Age	F/1	M/1	M/1	M/1	M/1	M/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-28-22	09-28-22	09-28-22	09-28-22	09-28-22	09-28-22
Skin on Fillet	N	N	N	N	N	N
10:2 FTS ug/kg	< .089	< .086	< .081	< .086	< .078	< .092
11CI-PF3OUDS ug/kg	< .092	< .088	< .084	< .088	< .081	< .095
4:2FTS ug/kg	< .075	< .072	< .068	< .072	< .066	< .077
6:2FTS ug/kg	< .11	< .11	< .1	< .11	< .1	< .12
8:2FTS ug/kg	< .11	< .11	< .1	< .11	< .099	< .12
9CL-PF3ONS ug/kg	< .11	< .1	< .097	< .1	< .094	< .11
ADONA ug/kg	< .075	< .072	< .068	< .072	< .066	< .077
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.16	.54	.33	.22	.15	.25
MERCURY, TOTAL ug/g	< .056	< .056	< .056	< .056	< .056	< .056
N-ETFOSA ug/kg	< .083	< .08	< .076	< .08	< .073	< .086
N-ETFOSAA ug/kg	.2 J39	.24	.21 J39	.2 J39	.22	.19 J39
N-ETFOSE ug/kg	< .079	< .075	< .072	< .076	< .069	< .081
N-MEFOSA ug/kg	< .064	< .061	< .058	< .062	< .056	< .066
N-MEFOSAA ug/kg	.38	.3	.3	.26	.31	.25
N-MEFOSE ug/kg	< .091	< .087	< .083	< .087	< .08	< .093
PFBA ug/kg	< .094	< .09	< .086	< .091	< .083	< .097
PFBS ug/kg	< .09	< .087	< .082	< .087	< .079	< .093
PFDA ug/kg	8.9	6.9	6.4	6.8	6.4	7.7
PFDOA ug/kg	5.9	4.8	4.2	4.1	4.2	5.4
PFDOS ug/kg	< .11	< .1	< .098	< .1	< .094	< .11
PFDS ug/kg	.33	.3	.26	.23	.26	.3
PFHPA ug/kg	< .11	< .11	< .1	< .11	< .098	< .11
PFHPS ug/kg	.31	.28	.19 J39	.19 J39	.25	.27
PFHXA ug/kg	< .12	< .11	< .1	< .11	< .1	< .12
PFHXDA ug/kg	.16 J39	.13 J39	.11 J39	.11 J39	.12 J39	.14 J39
PFHXS ug/kg	.17 J39	.16 J39	.13 J39	.13 J39	.15 J39	.13 J39
PFNA ug/kg	.64	.52	.41	.47	.43	.53
PFNS ug/kg	.24	.22	.2 J39	.18 J39	.19 J39	.21 J39
PFOA ug/kg	.11 J39	.13 J39	.089 J39	.11 J39	.12 J39	.095 J39
PFODA ug/kg	< .094	< .09	< .085	< .09	< .082	< .097
PFOS ug/kg	58	51	43	42	46	54
PFOSAM ug/kg	2.3	1.8	1.5	2	1.8	1.8
PFPEA ug/kg	< .082	< .079	< .075	< .079	< .072	< .085
PFPES ug/kg	< .097	< .093	< .089	< .094	< .085	< .1
PFTEDA ug/kg	1.8	1.4	1.2	1.2	1.3	1.6
PFTRDA ug/kg	1.3	1.2	.94	.88	.94	1.2
PFUDA ug/kg	4.7	4.3	4	3.7	3.3	4.3

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1 Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Black Crappie (Pomoxis nigromaculatus)

	Composite - 6 Fish
Bottle Code: 9/28/2022 WEIC-1 BCR 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.0016 JQ3I
4,4'-DDT ug/g	< .00095 JQ3
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	.31
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.352 JI
TOXAPHENE ug/g	< .069 JQ3

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1 Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	313	280	255	273	324	391
Length (inches)	12.32	11.02	10.04	10.75	12.76	15.39
Weight (g)	246	180	100	158	248	476
Weight (oz)	8.68	6.35	3.53	5.57	8.75	16.79
Sex/Age	M/5	F/4	M/3	M/4	M/4	M/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	09-28-22	09-28-22	09-28-22	09-28-22	09-28-22	09-28-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117		< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125		< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125		< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125		< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125		< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037		< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1 JQ1	< .1 JQ1		< .1 JQ1	< .1 JQ1	< .1 JQ1
PCB'S, TOTAL ug/g	< .125	< .125		< .125	< .125	< .125
LIPIDS %	.09	.16		.04	.13	.155
MERCURY, TOTAL ug/g	< .056	< .056	< .056	< .056	.0914 JI	< .056

	Composite - 6 Fish
Bottle Code: 9/28/2022 WEIC-1 CHC 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0055 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.25
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.345 JI
TOXAPHENE ug/g	< .069 JQ1

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1 Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	444	446	463	442	390	372
Length (inches)	17.48	17.56	18.23	17.40	15.35	14.65
Weight (g)	1,186	1,292	1,144	1,264	806	776
Weight (oz)	41.83	45.57	40.35	44.59	28.43	27.37
Sex/Age	F/7	F/6	M/7	F/5	M/2	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-28-22	09-28-22	09-28-22	09-28-22	09-28-22	09-28-22
Skin on Fillet	N	N	N	N	N	N
10:2 FTS ug/kg	< .089	< .093	< .086	< .083	< .089	< .088
11CI-PF3OUDS ug/kg	< .091	< .095	< .089	< .086	< .091	< .091
4:2FTS ug/kg	< .074	< .078	< .072	< .07	< .074	< .074
6:2FTS ug/kg	< .11	< .12	< .11	< .11	< .11	< .11
8:2FTS ug/kg	< .11	< .12	< .11	< .1	< .11	< .11
9CL-PF3ONS ug/kg	< .11	< .11	< .1	< .099	< .11	< .11
ADONA ug/kg	< .074	< .078	< .072	< .07	< .074	< .074
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.106 JI	.048 JI	.147	.078 JI	.052 JI	.052 JI
AROCHLOR 1260 ug/g	< .1	< .1 JQ1	.164 JQ1	< .1	< .1 JQ1	< .1 JQ1
PCB'S, TOTAL ug/g	< .125	< .125	.311	< .125	< .125	< .125
LIPIDS %	.825	.52	.655	.83	.835	.915
MERCURY, TOTAL ug/g	.2134	.2423	.2464	.172	.1075	< .056
N-ETFOSA ug/kg	< .083	< .086	< .081	< .078	< .083	< .082
N-ETFOSAA ug/kg	.19 J39	.12 J39	.15 J39	.16 J39	.22 J39	.16 J39
N-ETFOSE ug/kg	< .078	< .081	< .076	< .073	< .078	< .078
N-MEFOSA ug/kg	< .064	< .066	< .062	< .06	< .064	< .063
N-MEFOSAA ug/kg	.82	.48	.55	.53	.29	.27
N-MEFOSE ug/kg	< .09	< .094	< .088	< .085	< .09	< .09
PFBA ug/kg	< .094	< .098	< .091	< .088	< .094	< .093
PFBS ug/kg	< .09	< .094	< .087	< .084	< .09	< .089
PFDA ug/kg	11	6.8	8.4	7.1	5.1	7.5
PFDOA ug/kg	12	8.5	9.8	6.2	4.9	6.6
PFDOS ug/kg	< .11	< .11	< .1	< .1	< .11	< .11
PFDS ug/kg	.69	.29	.68	.37	.3	.51
PFHPA ug/kg	< .11	< .12	< .11	< .1	< .11	< .11
PFHPS ug/kg	.18 J39	.25	.2 J39	.17 J39	.095 J39	.13 J39
PFHXA ug/kg	< .11	< .12	< .11	< .11	< .11	< .11
PFHXDA ug/kg	.3	.21 J39	.26	.2 J39	.17 J39	.17 J39
PFHXS ug/kg	< .089	< .093	< .087	< .084	< .089	< .089
PFNA ug/kg	.13 J39	.092 J39	.13 J39	.12 J39	< .08	.11 J39
PFNS ug/kg	.48	.18 J39	.45	.24	.21 J39	.33
PFOA ug/kg	< .074	< .078	< .072	< .07	< .074	< .074
PFODA ug/kg	< .093	< .097	< .091	< .087	< .093	< .093
PFOS ug/kg	63 D39	110 D39	100 D39	62 D39	47 D39	67 D39
PFOSAM ug/kg	2	2	1.3	1.9	2.9	2.7
PFPEA ug/kg	< .081	< .085	< .079	< .077	< .082	< .081
PFPES ug/kg	< .096	< .1	< .094	< .091	< .097	< .096
PFTEDA ug/kg	4.3	2.8	3.5	2.2	1.8	2.4
PFTRDA ug/kg	3.4	2.1	2.5	1.7	1.3	1.7
PFUDA ug/kg	9.8	5.5	9	5.4	4.2	6.5

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1 Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Spotted Bass (Micropterus punctulatus)

	Composite - 6 Fish
Bottle Code: 9/28/2022 WEIC-1 SPB 01-06	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.0148 JQ3
4,4'-DDT ug/g	< .00095 JQ3
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	1.215
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.352 JI
TOXAPHENE ug/g	< .069 JQ3

Cherokee County **Lat/Lon: 34.13481 / -85.79105**

WEIC-1 Weiss Res - Lower reservoir. Deepest point, main river channel, power dam forebay.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	725	415	635
Length (inches)	28.54	16.34	25.00
Weight (g)	2,880	820	2,218
Weight (oz)	101.59	28.92	78.24
Sex/Age	F/4	M/1	F/3
Age Method	Otolith	Otolith	Otolith
Collection Date	09-28-22	09-28-22	09-28-22
Skin on Fillet	N	N	N
External Parasit			Moderate
AROCHLOR 1016 ug/g	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.046 JI	.077 JI	.415
AROCHLOR 1260 ug/g	< .1	< .1	.328
PCB'S, TOTAL ug/g	< .125	< .125	.743
LIPIDS %	.115	1.395	2.62
MERCURY, TOTAL ug/g	.2219	< .056	.2206

	Composite - 3 Fish
Bottle Code: 9/28/2022 WEIC-1 STB 01-03	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0465 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ1
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.545
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.392 JI
TOXAPHENE ug/g	< .069

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12 Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Black Crappie (Pomoxis nigromaculatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	285	280	255	230	240	220
Length (inches)	11.22	11.02	10.04	9.06	9.45	8.66
Weight (g)	430	338	264	184	200	142
Weight (oz)	15.17	11.92	9.31	6.49	7.05	5.01
Sex/Age	F/3	M/3	M/3	M/3	M/3	M/4
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-27-22	09-27-22	09-27-22	09-27-22	09-27-22	09-27-22
Skin on Fillet	N	N	N	N	N	N
10:2 FTS ug/kg	< .079	< .085	< .087	< .093	< .09	< .092
11CI-PF3OUDS ug/kg	< .081	< .088	< .089	< .095	< .093	< .094
4:2FTS ug/kg	< .066	< .072	< .073	< .078	< .076	< .077
6:2FTS ug/kg	< .1	< .11	< .11	< .12	< .12	< .12
8:2FTS ug/kg	< .099	< .11	< .11	< .12	< .11	< .12
9CL-PF3ONS ug/kg	< .094	< .1	< .1	< .11	< .11	< .11
ADONA ug/kg	< .066	< .072	< .073	< .078	< .076	< .077
AROCHLOR 1016 ug/g	< .117 JQ3	< .117	< .117	< .117	< .117 JQ3	< .117
AROCHLOR 1221 ug/g	< .125 JQ3	< .125	< .125	< .125	< .125 JQ3	< .125
AROCHLOR 1232 ug/g	< .125 JQ3	< .125	< .125	< .125	< .125 JQ3	< .125
AROCHLOR 1242 ug/g	< .125 JQ3	< .125	< .125	< .125	< .125 JQ3	< .125
AROCHLOR 1248 ug/g	< .125 JQ3	< .125	< .125	< .125	< .125 JQ3	< .125
AROCHLOR 1254 ug/g	< .037 JQ3	< .037	< .037	< .037	< .037 JQ3	< .037
AROCHLOR 1260 ug/g	< .1 JQ3	< .1	< .1	< .1	< .1 JQ3	< .1
PCB'S, TOTAL ug/g	< .125 JQ3	< .125	< .125	< .125	< .125 JQ3	< .125
LIPIDS %	.105	.68	.165	.08	.01	.23
MERCURY, TOTAL ug/g	< .056	< .056	.0563 JI	.0566 JI	.0566 JI	< .056
N-ETFOSA ug/kg	< .074	< .08	< .081	< .086	< .084	< .085
N-ETFOSAA ug/kg	.23	.23	.17 J39	.22 J39	.17 J39	.34
N-ETFOSE ug/kg	< .069	< .075	< .077	< .081	< .08	< .081
N-MEFOSA ug/kg	< .057	< .061	< .062	< .067	< .065	< .066
N-MEFOSAA ug/kg	.56	.64	.35	.69 I39	.44	.68 I39
N-MEFOSE ug/kg	< .08	< .087	< .088	< .094	< .092	< .093
PFBA ug/kg	< .084	< .09	< .092	< .098	< .096	< .097
PFBS ug/kg	< .08	< .086	< .088	< .094	< .092	< .093
PFDA ug/kg	4.3	3.9	3.5	4.8	4	5.2
PFDOA ug/kg	4.7	3.6	3	4.5	3.3	4.4
PFDOS ug/kg	< .095	< .1	< .1	< .11	< .11	< .11
PFDS ug/kg	.31	.23	.21 J39	.24 J39	.15 J39	.22 J39
PFHPA ug/kg	< .099	< .11	< .11	< .12	< .11	< .11
PFHPS ug/kg	.26	.21 J39	.17 J39	.27	.19 J39	.24
PFHXA ug/kg	< .1	< .11	< .11	< .12	< .12	< .12
PFHXDA ug/kg	.15 J39	.12 J39	.11 J39	.13 J39	.11 J39	.15 J39
PFHXS ug/kg	.13 J39	< .086	.096 J39	.15 J39	< .091	.12 J39
PFNA ug/kg	.34	.25	.23	.41	.24 J39	.42
PFNS ug/kg	.18 J39	.15 J39	.14 J39	.14 J39	.12 J39	.14 J39
PFOA ug/kg	< .066	< .072	< .073	.093 J39	< .076	< .077
PFODA ug/kg	< .083	< .09	< .091	< .097	< .095	< .096
PFOS ug/kg	48 D39	47 D39	33 D39	59 D39	44 D39	51 D39
PFOSAM ug/kg	1.4	1.9	1.7	2.1	1.3	2.1
PFPEA ug/kg	< .073	< .079	< .08	< .085	< .083	< .084
PFPES ug/kg	< .086	< .093	< .095	< .1	< .098	< .1
PFTEDA ug/kg	2	1.7	1.3	1.7	1.3	1.8
PFTRDA ug/kg	1.3	1	.83	1.5	.98	1.6
PFUDA ug/kg	3.2	2.8	2.7	3.2	2.3	3.2

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12 Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Black Crappie (Pomoxis nigromaculatus)

	Composite - 6 Fish
Bottle Code: 9/27/2022 WEIC-12 BCR 01-06	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0022 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.23
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.318 JI
TOXAPHENE ug/g	< .069

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12 Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	366	410	470
Length (inches)	14.41	16.14	18.50
Weight (g)	384	558	830
Weight (oz)	13.55	19.68	29.28
Sex/Age	M/5	F/5	F/6
Age Method	Spine	Spine	Spine
Collection Date	09-27-22	09-27-22	09-27-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125
LIPIDS %	.085	.055	.095
MERCURY, TOTAL ug/g	.0735 JI	< .056	< .056

	Composite - 3 Fish
Bottle Code: 9/27/2022 WEIC-12 BLC 01-03	
2,4'-DDD ug/g	< .0015 JQ3
2,4'-DDE ug/g	< .0017 JQ3
2,4'-DDT ug/g	< .0016 JQ3
4,4'-DDD ug/g	< .0019 JQ3
4,4'-DDE ug/g	.0025 JQ3
4,4'-DDT ug/g	< .00095 JQ3
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072 JQ3
CHLORPYRIFOS ug/g	< .0019 JQ3
DIELDRIN ug/g	< .00098 JQ3
ENDOSULFAN I ug/g	< .00094 JQ3
ENDOSULFAN II ug/g	< .0019 JQ3
ENDRIN ug/g	< .00082 JQ3
HEPTACHLOR ug/g	< .0011 JQ3
HEPTACHLOR EPOXIDE u	< .0011 JQ3
HEXACHLOROBENZENE u	< .0015 JQ3
LINDANE ug/g	< .00097 JQ3
LIPIDS %	.105
MIREX ug/g	< .0016 JQ3
SELENIUM, TOTAL ug/g	.247 JI
TOXAPHENE ug/g	< .069 JQ3

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12 Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	270	375	349
Length (inches)	10.63	14.76	13.74
Weight (g)	168	408	338
Weight (oz)	5.93	14.39	11.92
Sex/Age	M/2	M/4	F/4
Age Method	Spine	Spine	Spine
Collection Date	09-27-22	09-27-22	09-27-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125
LIPIDS %	.385	.04	.525
MERCURY, TOTAL ug/g	< .056	< .056	< .056

	Composite - 3 Fish
Bottle Code: 9/27/2022 WEIC-12 CHC 01-03	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0057 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.405
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.316 JI
TOXAPHENE ug/g	< .069

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12 Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Hybrid Bass (Morone chrysops x saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	384	367	415
Length (inches)	15.12	14.45	16.34
Weight (g)	756	718	1,044
Weight (oz)	26.67	25.33	36.83
Sex/Age	F/3	F/5	F/3
Age Method	Otolith	Otolith	Otolith
Collection Date	09-27-22	09-27-22	09-27-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.123 JI	.045 JI	.16
AROCHLOR 1260 ug/g	.101 JI	< .1	.155
PCB'S, TOTAL ug/g	.225	< .125	.316
LIPIDS %	.43	.935	2.38
MERCURY, TOTAL ug/g	.1432	.1099	.1421

	Composite - 3 Fish
Bottle Code: 9/27/2022 WEIC-12 HYB 01-03	
2,4'-DDD ug/g	< .0015 JQ2
2,4'-DDE ug/g	< .0017 JQ2
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.027 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ2
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015 JQ2
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.65
MIREX ug/g	< .0016 JQ2
SELENIUM, TOTAL ug/g	.582
TOXAPHENE ug/g	< .069

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12 Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	355	380	350	330	420	315
Length (inches)	13.98	14.96	13.78	12.99	16.54	12.40
Weight (g)	536	686	542	458	912	384
Weight (oz)	18.91	24.20	19.12	16.16	32.17	13.55
Sex/Age	F/3	F/3	M/2	F/2	F/3	M/3
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	09-27-22	09-27-22	09-27-22	09-27-22	09-27-22	09-27-22
Skin on Fillet	N	N	N	N	N	N
10:2 FTS ug/kg	< .092	< .095	< .091	< .093	< .091	< .092
11CI-PF3OUDS ug/kg	< .094	< .097	< .093	< .095	< .094	< .094
4:2FTS ug/kg	< .077	< .079	< .076	< .078	< .076	< .077
6:2FTS ug/kg	< .12	< .12	< .12	< .12	< .12	< .12
8:2FTS ug/kg	< .12	< .12	< .11	< .12	< .11	< .12
9CL-PF3ONS ug/kg	< .11	< .11	< .11	< .11	< .11	< .11
ADONA ug/kg	< .077	< .079	< .076	< .078	< .076	< .077
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117 JQ1	< .117 JQ1
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.05	.275	.28	.16	.235	< .1
MERCURY, TOTAL ug/g	.1709	.1457	.1151	.1006	.2501	.143
N-ETFOSA ug/kg	< .085	< .088	< .085	< .086	< .085	< .086
N-ETFOSAA ug/kg	< .092	.1 J39	.15 J39	.11 J39	< .091	< .092
N-ETFOSE ug/kg	< .08	< .083	< .08	< .081	< .08	< .081
N-MEFOSA ug/kg	< .066	< .068	< .065	< .066	< .065	< .066
N-MEFOSAA ug/kg	.31 I39	.32 I39	.42 I39	.25 I39	.69	.3 I39
N-MEFOSE ug/kg	< .093	< .096	< .092	< .094	< .092	< .093
PFBA ug/kg	< .097	< .1	< .096	< .098	< .096	< .097
PFBS ug/kg	< .093	< .096	< .092	< .094	< .092	< .093
PFDA ug/kg	6.7	4.1	5.4	5.1	4.2	6.7
PFDOA ug/kg	7.2	8	6.4	6	6.1	10
PFDOS ug/kg	< .11	< .11	< .11	< .11	< .11	< .11
PFDS ug/kg	.39	.29	.3	.29	.3	.41
PFHPA ug/kg	< .11	< .12	< .11	< .12	< .11	< .11
PFHPS ug/kg	.1 J39	< .087	< .084	.11 J39	.11 J39	.11 J39
PFHXA ug/kg	< .12	< .12	< .12	< .12	< .12	< .12
PFHXDA ug/kg	.21 J39	.37	.21 J39	.21 J39	.17 J39	.3
PFHXS ug/kg	< .092	< .095	< .091	< .093	< .091	< .092
PFNA ug/kg	< .083	< .086	< .082	< .084	< .082	< .083
PFNS ug/kg	.27	.18 J39	.18 J39	.18 J39	.17 J39	.28
PFOA ug/kg	< .077	< .079	< .076	< .078	< .076	< .077
PFODA ug/kg	< .096	< .099	< .095	< .097	< .095	< .096
PFOS ug/kg	96 D39	60 D39	62 D39	65 D39	51 D39	88 D39
PFOSAM ug/kg	2.8	2.8	3.3	2.8	2.3	3.3
PFPEA ug/kg	< .084	< .087	< .083	< .085	< .084	< .084
PFPES ug/kg	< .1	< .1	< .099	< .1	< .099	< .1
PFTEDA ug/kg	3	4.6	2.8	2.6	2.3	4.6
PFTRDA ug/kg	2.4	2.9	2.1	2	1.9	3.7
PFUDA ug/kg	5.3	3.8	4.1	4.1	4	5.5

Cherokee County **Lat/Lon: 34.20244 / -85.45240**

WEIC-12 Weiss Res - Deepest point, main river channel, Alabama/Georgia state line.

Spotted Bass (Micropterus punctulatus)

	Composite - 6 Fish
Bottle Code: 9/27/2022 WEIC-12 SPB 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0068 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.295
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.316 JI
TOXAPHENE ug/g	< .069 JQ1

Cherokee County **Lat/Lon: 34.20574 / -85.61050**

WEIC-2 Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Black Crappie (Pomoxis nigromaculatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	315	314	281	336	286	284
Length (inches)	12.40	12.36	11.06	13.23	11.26	11.18
Weight (g)	592	556	452	538	376	396
Weight (oz)	20.88	19.61	15.94	18.98	13.26	13.97
Sex/Age	M/4	M/4	M/2	M/4	F/2	F/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22
Skin on Fillet	N	N	N	N	N	N
10:2 FTS ug/kg	< .09	< .079	< .08	< .086	< .09	< .083
11CI-PF3OUDS ug/kg	< .093	< .081	< .082	< .088	< .092	< .085
4:2FTS ug/kg	< .076	< .066	< .067	< .072	< .075	< .069
6:2FTS ug/kg	< .12	< .1	< .1	< .11	< .11	< .11
8:2FTS ug/kg	< .11	< .099	< .1	< .11	< .11	< .1
9CL-PF3ONS ug/kg	< .11	< .094	< .095	< .1	< .11	< .099
ADONA ug/kg	< .076	< .066	< .067	< .072	< .075	< .069
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.055 JI	.044 JI	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	1.055	.925	.295	.105	.215	.32
MERCURY, TOTAL ug/g	< .056	< .056	< .056	.0694 JI	< .056	.2974
N-ETFOSA ug/kg	< .084	< .073	< .074	< .08	< .084	< .077
N-ETFOSAA ug/kg	.27	.38	.23	.19 J39	.19 J39	.22
N-ETFOSE ug/kg	< .08	< .069	< .07	< .076	< .079	< .073
N-MEFOSA ug/kg	< .065	< .056	< .057	< .062	< .064	< .059
N-MEFOSAA ug/kg	.62	.83	.28	.3	.41	.34
N-MEFOSE ug/kg	< .092	< .08	< .081	< .087	< .091	< .084
PFBA ug/kg	< .096	< .083	< .084	< .091	< .095	< .087
PFBS ug/kg	< .092	.082 J39	< .081	< .087	< .091	< .084
PFDA ug/kg	7.8	11	7.3	4.8	5.6	6.4
PFDOA ug/kg	5.5	7.6	5.2	3.6	4.3	3.9
PFDOS ug/kg	< .11	< .095	< .096	< .1	< .11	< .099
PFDS ug/kg	.51	.68	.39	.27	.3	.31
PFHPA ug/kg	< .11	< .098	< .099	< .11	< .11	< .1
PFHPS ug/kg	.37	.62	.3	.16 J39	.21 J39	.23
PFHXA ug/kg	< .12	< .1	< .1	< .11	< .12	< .11
PFHXDA ug/kg	.16 J39	.21	.15 J39	.12 J39	.16 J39	.15 J39
PFHXS ug/kg	.18 J39	.3	.16 J39	.11 J39	.13 J39	.098 J39
PFNA ug/kg	.65	.98	.57	.4	.43	.44
PFNS ug/kg	.35	.5	.28	.16 J39	.19 J39	.21
PFOA ug/kg	.12 J39	.24	.11 J39	.097 J39	.087 J39	< .069
PFODA ug/kg	< .095	< .083	< .084	< .09	< .094	< .087
PFOS ug/kg	77 D39	100 D39	61	41 D39	48 D39	53 D39
PFOSAM ug/kg	2	2	1.4	.67	1	1.4
PFPEA ug/kg	< .083	< .072	< .073	< .079	< .082	< .076
PFPES ug/kg	< .098	< .086	< .087	< .094	< .098	< .09
PFTEDA ug/kg	2.2	2.8	2	1.5	1.6	1.7
PFTRDA ug/kg	1.4	2.4	1.6	.98	1.3	1.2
PFUDA ug/kg	5.1	7.1	4.4	2.9	3.7	3.9

Cherokee County **Lat/Lon: 34.20574 / -85.61050**

WEIC-2 Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Black Crappie (Pomoxis nigromaculatus)

	Composite - 6 Fish
Bottle Code: 10/26/2022 WEIC-2 BCR 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0044 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.555
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.363 JI
TOXAPHENE ug/g	< .069 JQ1

Cherokee County **Lat/Lon: 34.20574 / -85.61050**

WEIC-2 Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	343	333	327	341	319	282
Length (inches)	13.50	13.11	12.87	13.43	12.56	11.10
Weight (g)	344	318	242	276	216	160
Weight (oz)	12.13	11.22	8.54	9.74	7.62	5.64
Sex/Age	M/4	M/4	F/3	M/3	F/4	F/3
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22
Skin on Fillet	N	N	N	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	< .037	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.26	.225	.225	.18	.26	.255
MERCURY, TOTAL ug/g	< .056	.0593 JI	< .056	< .056	.0605 JI	< .056

	Composite - 6 Fish
Bottle Code: 10/26/2022 WEIC-2 BLC 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	< .00094 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.165
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.219 JI
TOXAPHENE ug/g	< .069 JQ1

Cherokee County **Lat/Lon: 34.20574 / -85.61050**

WEIC-2 Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	382	453	387	410	316	449
Length (inches)	15.04	17.83	15.24	16.14	12.44	17.68
Weight (g)	740	1,528	952	1,006	434	1,430
Weight (oz)	26.10	53.90	33.58	35.49	15.31	50.44
Sex/Age	M/3	F/4	F/4	F/3	M/2	F/6
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22	10-26-22
Skin on Fillet	N	N	N	N	N	N
10:2 FTS ug/kg	< .091	< .091	< .087	< .08	< .074	< .086
11CI-PF3OUDS ug/kg	< .093	< .094	< .089	< .082	< .076	< .089
4:2FTS ug/kg	< .076	< .077	< .073	< .067	< .062	< .072
6:2FTS ug/kg	< .12	< .12	< .11	< .1	< .094	< .11
8:2FTS ug/kg	< .11	< .11	< .11	< .1	< .093	< .11
9CL-PF3ONS ug/kg	< .11	< .11	< .1	< .095	< .088	< .1
ADONA ug/kg	< .076	< .077	< .073	< .067	< .062	< .072
AROCHLOR 1016 ug/g	< .117	< .117	< .117	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.048 JI	< .037	< .037	< .037	< .037	< .037
AROCHLOR 1260 ug/g	< .1	< .1	< .1	< .1	< .1	< .1
PCB'S, TOTAL ug/g	< .125	< .125	< .125	< .125	< .125	< .125
LIPIDS %	.295	.195	.12	.67	.1	.405
MERCURY, TOTAL ug/g	.1669	.1929	.19	.1604	.0972 JI	< .056
N-ETFOSA ug/kg	< .084	< .085	< .081	< .074	< .069	< .08
N-ETFOSAA ug/kg	.14 J39	.29	.21 J39	.26	.19 J39	.21 J39
N-ETFOSE ug/kg	< .08	< .08	< .076	< .07	< .065	< .076
N-MEFOSA ug/kg	< .065	< .066	< .062	< .057	< .053	< .062
N-MEFOSAA ug/kg	.4	.92	.49	.68	.3	.39
N-MEFOSE ug/kg	< .092	< .093	< .088	< .081	< .075	< .088
PFBA ug/kg	< .096	< .096	< .092	< .084	< .078	< .091
PFBS ug/kg	< .092	< .092	< .088	< .081	< .075	< .087
PFDA ug/kg	4.9	6.9	4.6	8.2	5.1	3.6
PFDOA ug/kg	5.7	8.5	5.1	12	6.4	6.7
PFDOS ug/kg	< .11	< .11	< .1	< .096	< .089	< .1
PFDS ug/kg	.46	.65	.29	.65	.4	.19 J39
PFHPA ug/kg	< .11	< .11	< .11	< .099	< .092	< .11
PFHPS ug/kg	< .084	.13 J39	< .08	.16 J39	< .068	< .08
PFHXA ug/kg	< .12	< .12	< .11	< .1	< .095	< .11
PFHXDA ug/kg	.14 J39	.13 J39	.1 J39	.24	.1 J39	.18 J39
PFHXS ug/kg	< .091	< .092	< .087	< .08	< .074	< .087
PFNA ug/kg	< .082	.089 J39	< .079	.11 J39	< .067	< .078
PFNS ug/kg	.34	.41	.2 J39	.36	.27	.1 J39
PFOA ug/kg	< .076	< .077	< .073	< .067	< .062	< .072
PFODA ug/kg	< .095	< .096	< .091	< .084	< .077	< .09
PFOS ug/kg	58 D39	75 D39	50 D39	75 D39	48 D39	32 D39
PFOSAM ug/kg	.4	.64	.43	.99	.82	.54
PFPEA ug/kg	< .083	< .084	< .08	< .073	< .068	< .079
PFPES ug/kg	< .099	< .099	< .094	< .087	< .08	< .094
PFTEDA ug/kg	2.3	2.3	1.6	3.8	1.8	2.5
PFTRDA ug/kg	1.8	2.2	1.3	3.6	1.6	1.9
PFUDA ug/kg	5	7.6	4.2	8.2	5.6	3.5

Cherokee County **Lat/Lon: 34.20574 / -85.61050**

WEIC-2 Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Largemouth Bass (Micropterus salmoides)

	Composite - 6 Fish
Bottle Code: 10/26/2022 WEIC-2 LMB 01-06	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0092 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.325
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.332 JI
TOXAPHENE ug/g	< .069 JQ1

Cherokee County **Lat/Lon: 34.20574 / -85.61050**

WEIC-2 Weiss Res - Mid reservoir. Deepest point, main river channel, immediately upstream of causeway at Cedar Bluff.

Striped Bass (Morone saxatilis)

	Fish 1	Fish 2	Fish 3
Length (mm)	244	273	268
Length (inches)	9.61	10.75	10.55
Weight (g)	166	284	248
Weight (oz)	5.86	10.02	8.75
Sex/Age	F	M	F
Age Method	Otolith	Otolith	Otolith
Collection Date	10-26-22	10-26-22	10-26-22
Skin on Fillet	N	N	N
AROCHLOR 1016 ug/g	< .117	< .117	< .117
AROCHLOR 1221 ug/g	< .125	< .125	< .125
AROCHLOR 1232 ug/g	< .125	< .125	< .125
AROCHLOR 1242 ug/g	< .125	< .125	< .125
AROCHLOR 1248 ug/g	< .125	< .125	< .125
AROCHLOR 1254 ug/g	.106 JI	.064 JI	.053 JI
AROCHLOR 1260 ug/g	.139	< .1	< .1
PCB'S, TOTAL ug/g	.245	< .125	< .125
LIPIDS %	2.595	1.835	1.595
MERCURY, TOTAL ug/g	< .056	< .056	< .056

	Composite - 3 Fish
Bottle Code: 10/26/2022 WEIC-2 STB 01-03	
2,4'-DDD ug/g	< .0015
2,4'-DDE ug/g	< .0017
2,4'-DDT ug/g	< .0016 JQ2
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0107 JQ1
4,4'-DDT ug/g	< .00095 JQ1
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019 JQ1
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011 JQ1
HEXACHLOROBENZENE u	< .0015
LINDANE ug/g	< .00097 JQ1
LIPIDS %	2.065
MIREX ug/g	< .0016
SELENIUM, TOTAL ug/g	.416 JI
TOXAPHENE ug/g	< .069 JQ1

Lauderdale County **Lat/Lon: 34.80447 / -87.62422**

TENR-260 Wilson Res - Dam forebay at Tennesse River mile 259.5.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	408	418	417	423	439	470
Length (inches)	16.06	16.46	16.42	16.65	17.28	18.50
Weight (g)	664	772	746	606	802	900
Weight (oz)	23.42	27.23	26.31	21.38	28.29	31.75
Sex/Age	/4	/6	/4	/5	/4	
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-25-22	10-25-22	10-25-22	10-25-22	10-25-22	10-25-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	< .056	.0774 JI	< .056	.0889 JI	< .056	.1051

	Composite - 6 Fish
Bottle Code: 10/25/2022 TENR-260 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0075 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	1.765
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.165 JI
TOXAPHENE ug/g	< .069

Lauderdale County **Lat/Lon: 34.80447 / -87.62422**

TENR-260 Wilson Res - Dam forebay at Tennesse River mile 259.5.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	382	357	401	381	386	346
Length (inches)	15.04	14.06	15.79	15.00	15.20	13.62
Weight (g)	806	778	1,116	958	920	788
Weight (oz)	28.43	27.44	39.37	33.79	32.45	27.80
Sex/Age	/2	/2	/3	/2	/2	/1
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-25-22	10-25-22	10-25-22	10-25-22	10-25-22	10-25-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	< .056	< .056	.0745 JI	< .056	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/25/2022 TENR-260 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0045 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	.064 JI
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.995
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.253 JI
TOXAPHENE ug/g	< .069

Lauderdale County **Lat/Lon: 34.80858 / -87.43186**

TENR-273 Wilson Res - Tennessee River miles 272.0-274.0, 1.0 mile downstream of Blue Water Creek.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	451	455	443	431	494	432
Length (inches)	17.76	17.91	17.44	16.97	19.45	17.01
Weight (g)	728	848	750	692	1,018	664
Weight (oz)	25.68	29.91	26.46	24.41	35.91	23.42
Sex/Age	/5	/5	/5	/4	/5	/5
Age Method	Spine	Spine	Spine	Spine	Spine	Spine
Collection Date	10-27-22	10-27-22	10-27-22	10-27-22	10-27-22	10-27-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.0965 JI	< .056	.1288	.0804 JI	.0801 JI	.1001

	Composite - 6 Fish
Bottle Code: 10/27/2022 TENR-273 CHC 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0345 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	2.175
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	< .165
TOXAPHENE ug/g	< .069

Lauderdale County **Lat/Lon: 34.80858 / -87.43186**

TENR-273 Wilson Res - Tennessee River miles 272.0-274.0, 1.0 mile downstream of Blue Water Creek.

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	359	372	385	401	356	359
Length (inches)	14.13	14.65	15.16	15.79	14.02	14.13
Weight (g)	798	966	846	1,134	798	768
Weight (oz)	28.15	34.07	29.84	40.00	28.15	27.09
Sex/Age	/2	/2	/2	/6	/2	/2
Age Method	Otolith	Otolith	Otolith	Otolith	Otolith	Otolith
Collection Date	10-27-22	10-27-22	10-27-22	10-27-22	10-27-22	10-27-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	< .056	< .056	.1132	.4404	< .056	< .056

	Composite - 6 Fish
Bottle Code: 10/27/2022 TENR-273 LMB 01-06	
2,4'-DDD ug/g	< .0015 JQ1
2,4'-DDE ug/g	< .0017 JQ1
2,4'-DDT ug/g	< .0016 JQ1
4,4'-DDD ug/g	< .0019 JQ1
4,4'-DDE ug/g	.0074 JQ1
4,4'-DDT ug/g	< .00095 JQ1
AROCHLOR 1016 ug/g	< .117
AROCHLOR 1221 ug/g	< .125
AROCHLOR 1232 ug/g	< .125
AROCHLOR 1242 ug/g	< .125
AROCHLOR 1248 ug/g	< .125
AROCHLOR 1254 ug/g	< .037
AROCHLOR 1260 ug/g	< .1
PCB'S, TOTAL ug/g	< .117
ARSENIC, TOTAL ug/g	< .059
CADMIUM, TOTAL ug/g	< .0811
CHLORDANE, TOTAL ug/g	< .072
CHLORPYRIFOS ug/g	< .0019 JQ1
DIELDRIN ug/g	< .00098 JQ1
ENDOSULFAN I ug/g	< .00094 JQ1
ENDOSULFAN II ug/g	< .0019
ENDRIN ug/g	< .00082 JQ1
HEPTACHLOR ug/g	< .0011 JQ1
HEPTACHLOR EPOXIDE u	< .0011
HEXACHLOROBENZENE u	< .0015 JQ1
LINDANE ug/g	< .00097 JQ1
LIPIDS %	.845
MIREX ug/g	< .0016 JQ1
SELENIUM, TOTAL ug/g	.296 JI
TOXAPHENE ug/g	< .069

Autauga County **Lat/Lon: 32.32731 / -86.78196**

WDFA-1 Woodruff Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Blue Catfish (Ictalurus furcatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	242	271	279
Length (inches)	9.53	10.67	10.98
Weight (g)	90	130	140
Weight (oz)	3.17	4.59	4.94
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	12-13-22	12-13-22	12-13-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.0953 JI	.089 JI	< .056

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	535	474	391
Length (inches)	21.06	18.66	15.39
Weight (g)	510	960	500
Weight (oz)	17.99	33.86	17.64
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	12-13-22	12-13-22	12-13-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.0848 JI	.0857 JI	.0982 JI

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	351	354	395	411	420	493
Length (inches)	13.82	13.94	15.55	16.18	16.54	19.41
Weight (g)	590	530	760	870	960	1,740
Weight (oz)	20.81	18.70	26.81	30.69	33.86	61.38
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-13-22	12-13-22	12-13-22	12-13-22	12-13-22	12-13-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.1395	.0968 JI	.1634	.22	.2048	.2751

Elmore County **Lat/Lon: 32.41142 / -86.40836**

WDFA-2A Woodruff Res - Deepest point, main river channel, immediately upstream of Hwy 31 bridge.

Channel Catfish (Ictalurus punctatus)

	Fish 1
Length (mm)	605
Length (inches)	23.82
Weight (g)	1,080
Weight (oz)	38.10
Sex/Age	
Age Method	N/A
Collection Date	12-02-22
Skin on Fillet	N
MERCURY, TOTAL ug/g	.2996

Spotted Bass (Micropterus punctulatus)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	451	395	360	423	331	522
Length (inches)	17.76	15.55	14.17	16.65	13.03	20.55
Weight (g)	1,150	490	390	720	410	1,740
Weight (oz)	40.57	17.28	13.76	25.40	14.46	61.38
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	12-02-22	12-02-22	12-02-22	12-02-22	12-02-22	12-02-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.2696	.2338	.2299	.3891	.1786	.3173

Tallapoosa County **Lat/Lon: 32.57668 / -85.88968**

YATE-1 Yates Res - Lower reservoir. Deepest point, main river channel, dam forebay.

Channel Catfish (Ictalurus punctatus)

	Fish 1	Fish 2	Fish 3
Length (mm)	474	515	542
Length (inches)	18.66	20.28	21.34
Weight (g)	870	1,240	1,240
Weight (oz)	30.69	43.74	43.74
Sex/Age			
Age Method	N/A	N/A	N/A
Collection Date	11-17-22	11-17-22	11-17-22
Skin on Fillet	N	N	N
MERCURY, TOTAL ug/g	.1175	.056 JI	< .056 JI

Largemouth Bass (Micropterus salmoides)

	Fish 1	Fish 2	Fish 3	Fish 4	Fish 5	Fish 6
Length (mm)	394	365	365	382	343	351
Length (inches)	15.51	14.37	14.37	15.04	13.50	13.82
Weight (g)	670	550	560	560	470	500
Weight (oz)	23.63	19.40	19.75	19.75	16.58	17.64
Sex/Age						
Age Method	N/A	N/A	N/A	N/A	N/A	N/A
Collection Date	11-17-22	11-17-22	11-17-22	11-17-22	11-17-22	11-17-22
Skin on Fillet	N	N	N	N	N	N
MERCURY, TOTAL ug/g	.3908	.3996	.3375	.6372	.359	.3936

*ADEM Qualifiers **

D39 - Pace Analytical specific qualifier-Result obtained from diluted sample.

I39 - Pace Analytical specific qualifier-Isotope ratio out of specification

J39 - Pace Analytical specific qualifier-Estimated value

JI - Estimated/Between MDL & PQL

JQ1 - Estimated/QC1

JQ1I - Estimated/QC1/Between mdl & rl

JQ2 - Estimated/QC2

JQ2I - Estimated/QC2/Between mdl & rl

JQ3 - Estimated/QC3

JQ3I - Estimated/QC3/Between mdl & rl

JQ4 - Estimated/QC4

**** See SOP #4910 for more details.***