

**ALABAMA SEAFOOD SURVEILLANCE SAMPLES**

Polycyclic Aromatic Hydrocarbon (PAH) and  
DOSS Results Summary

NPH = Naphthalene, FLU = Fluorene, PHN = Phenanthrene, ANT = Anthracene, FLA = Fluoranthene,  
Pyr = Pyrene, BaA = Benz(a)anthracene, CHR = Chrysene, BbF = Benzo(b)fluoranthene,  
BkF = Benzo(k)fluoranthene, BaP = Benzo(a)pyrene, DBA = Dibenz(a,h)anthracene,  
IcdPy = Indeno(1,2,3-cd)pyrene, DOSS = Diocylsulfosuccinate

\*\*The estimated maximum total PAH value represents a "worst case" estimate of the PAHs including alkyl homologs that could potentially be in the that happens to yield fluorescence responsesample.

Results reported using FDA's Screening Method 521, based on

FDA LC Fluorescence Screening Method and FDA's DOSS

Method 522 based on FDA's Determination of

Diocylsulfosuccinate in Select Seafoods using LC/MS

Sorted by seafood type (crab, finfish, oyster, shrimp).

harvest area and sample #

<LOD = less than Limit of Detection, LOQ = Limit of Quantitation,

TR (Trace) = a finding between LOD and LOQ, NA = Not Analyzed

It may include fluorescent compounds other than PAHs and background signal that happens to yield fluorescence response

Levels of Concern based on FDA's Protocol for Interpretation and Use of Sensory Testing and Analytical Chemistry Results for Reopening  
Oil-Impacted Areas closed to Seafood Harvesting. 7/26/10

Levels of Concern (ppm)		123	246	1846		246	185	1.32	132	1.32	13.2	0.132	0.132	1.32	61.5	500	In order to "PASS" samples must not exceed any FDA Levels of Concern
Shrimp and Crab		123	246	1846		246	185	1.32	132	1.32	13.2	0.132	0.132	1.32	61.5	500	
Oysters		133	267	2000		267	200	1.43	143	1.43	14.3	0.143	0.143	1.43	66.5	500	
Finfish		<b>32.7</b>	<b>65.3</b>	<b>490</b>		<b>65.3</b>	<b>49</b>	<b>0.35</b>	<b>35</b>	<b>0.35</b>	<b>0.35</b>	<b>0.035</b>	<b>0.035</b>	<b>0.35</b>	<b>16.35</b>	<b>100</b>	
Finfish	LOD	<b>0.0004</b>	<b>0.0004</b>	<b>0.002</b>	<b>0.0002</b>	<b>0.002</b>	<b>0.001</b>	<b>0.0002</b>	<b>0.0003</b>	<b>0.0002</b>	<b>0.0002</b>	<b>0.0003</b>	<b>0.0003</b>	<b>0.0006</b>		<b>0.0002</b>	
Finfish	LOQ	<b>0.001</b>	<b>0.001</b>	<b>0.006</b>	<b>0.001</b>	<b>0.005</b>	<b>0.004</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.006</b>	<b>0.001</b>	<b>0.001</b>	<b>0.002</b>		<b>0.001</b>	

Seafood	Fish Type	Harvested	Collected	Completed	Sample #	NPH	FLU	PHN	ATN	FLA	PYR	BaA	CHR	BbF	BkF	BaP	DBA	IcdPy	PAH**	DOSS	PASS or FAIL	
Finfish	ladyfish	10	Sep 2014	1/6/2015	1409ST100.1	0.016	0.002	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.025	<LOD	pass
Finfish	spanish mackerel	10	Sep 2014	1/6/2015	1409ST100.2	0.017	0.001	tr	tr	<LOD	<LOD	<LOD	<LOD	<LOD	tr	<LOD	0.001	<LOD	0.023	<LOD	<LOD	pass
Finfish	spanish mackerel	10	Sep 2014	1/6/2015	1409ST100.3	0.016	0.001	<LOD	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.021	<LOD	<LOD	pass
Finfish	sand seatrout	10.2	Sep 2014	1/6/2015	1409ST102.3	0.03	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.035	<LOD	<LOD	pass
Finfish	sand seatrout	10.2	Sep 2014	1/6/2015	1409ST102.4	0.017	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.02	<LOD	<LOD	pass
Finfish	striped mullet	10.2	Sep 2014	1/6/2015	1409ST102.6	0.012	0.001	tr	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.02	<LOD	<LOD	pass
Finfish	gafftopsail	10.3	Sep 2014	1/6/2015	1409ST103.2	0.012	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.002	<LOD	0.018	<LOD	<LOD	pass
Finfish	ladyfish	10.3	Sep 2014	1/6/2015	1409ST103.3	0.012	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.016	<LOD	<LOD	pass
Finfish	spanish mackerel	10.3	Sep 2014	1/6/2015	1409ST103.4	0.011	0.001	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.016	<LOD	<LOD	pass
Finfish	mugilidae sp	10.3	Sep 2014	1/6/2015	1409ST103.5	0.013	0.002	<LOD	tr	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.002	<LOD	0.026	<LOD	<LOD	pass
Finfish	atlantic croaker	10.3	Sep 2014	1/6/2015	1409ST104.1	0.017	0.002	<LOD	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.027	<LOD	<LOD	pass
Finfish	ladyfish	10.4	Sep 2014	1/6/2015	1409ST104.3	0.012	0.001	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.015	<LOD	<LOD	pass
Finfish	sand seatrout	10.4	Sep 2014	1/6/2015	1409ST104.4	0.016	0.001	<LOD	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.001	<LOD	0.024	<LOD	<LOD	pass
Finfish	sand seatrout	10.4	Sep 2014	1/6/2015	1409ST104.5	0.01	0.001	<LOD	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.018	<LOD	<LOD	pass
Finfish	spanish mackerel	10.4	Sep 2014	1/6/2015	1409ST104.7	0.008	0.002	<LOD	tr	<LOD	<LOD	<LOD	<LOD	<LOD	tr	<LOD	0.002	<LOD	0.016	<LOD	<LOD	pass
Finfish	atlantic croaker	10.5	Sep 2014	1/6/2015	1409ST105.1	0.009	0.001	<LOD	tr	<LOD	<LOD	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.016	<LOD	<LOD	pass
Finfish	spanish mackerel	10.5	Sep 2014	1/6/2015	1409ST105.3	0.009	0.002	tr	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.018	<LOD	<LOD	pass
Finfish	spotted seatrout	10.5	Sep 2014	1/6/2015	1409ST105.4	0.009	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.012	<LOD	<LOD	pass
Finfish	scaenidae	10.6	Sep 2014	1/6/2015	1409ST106.3	0.008	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.011	<LOD	<LOD	pass
Finfish	scaenidae	10.6	Sep 2014	1/6/2015	1409ST106.4	0.01	0.001	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.014	<LOD	<LOD	pass
Finfish	spanish mackerel	10.6	Sep 2014	1/6/2015	1409ST106.6	0.011	0.001	tr	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.016	<LOD	<LOD	pass
Finfish	striped mullet	10.6	Sep 2014	1/6/2015	1409ST106.7	0.012	0.001	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.002	<LOD	0.02	<LOD	<LOD	pass
Finfish	red snapper	10.9	Sep 2014	1/6/2015	1409ST109.1	0.012	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.017	<LOD	<LOD	pass
Finfish	sand seatrout	11	Sep 2014	1/6/2015	1409ST110.3	0.011	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.016	<LOD	<LOD	pass
Finfish	sand seatrout	11	Sep 2014	1/6/2015	1409ST110.4	0.011	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.013	<LOD	<LOD	pass
Finfish	red drum	11.2	Sep 2014	1/6/2015	1409ST112.3	0.007	0.001	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.009	<LOD	<LOD	pass
Finfish	red drum	11.2	Sep 2014	1/6/2015	1409ST112.4	0.008	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.011	<LOD	<LOD	pass
Finfish	white mullet	11.2	Sep 2014	1/6/2015	1409ST112.6	0.017	0.003	0.009	tr	tr	tr	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.04	<LOD	<LOD	pass
Finfish	red snapper	11.9	Sep 2014	1/6/2015	1409ST119.1	0.007	tr	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	0.011	<LOD	<LOD	pass