

FLORIDA SEAFOOD SURVEILLANCE SAMPLES
Comparison of FDACS Screening Method 521 and NOAA GC/MS Method 520
 Information updated 5-5-2011

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

FDACS Method 520 based on NOAA NMFS-NWFSC-59
 FDACS Method 521 based on FDA's LC Fluorescence Screening Method

Findings are consistent between the two methods.
 Limits of Detection (LOD) differ between methods.

<LOD = less than Limit of Detection, LOQ = Limit of Quantitation,
 TR (Trace) = a finding between LOD and LOQ, NA = not analyzed

Levels of Concern (ppm)

Levels of Concern based on FDA's Protocol for Interpretation and Use of Sensory Testing and Analytical Chemistry Results for Re-Opening Oil-Impacted Areas closed to Seafood Harvesting, 7/26/2010

Shrimp & Crab		123	246	1846	246	185	1.32	132	1.32	13.2	0.132	0.132	1.32	
Oysters		133	267	2000	267	200	1.43	143	1.43	14.3	0.143	0.143	1.43	
Finfish		32.7	65.3	490	65.3	49	0.35	35	0.35	3.5	0.035	0.035	0.35	
		NPH (ppm)	FLU (ppm)	PHN (ppm)	ATN (ppm)	FLA (ppm)	PYR (ppm)	BaA (ppm)	CHR (ppm)	BbF (ppm)	BkF (ppm)	BaP (ppm)	DBA (ppm)	IcdPy (ppm)
Method 521	LOD	0.050	0.003	0.005	0.0005	0.0010	0.0010	0.0010	0.0010	0.0010	0.0005	0.0010	0.0010	0.003
	LOQ	0.170	0.010	0.017	0.0017	0.0033	0.0033	0.0033	0.0033	0.0033	0.0017	0.0033	0.0033	0.010
Method 520	LOD	0.001	0.001	0.0026	0.0013	0.0022	0.0019	0.0015	0.002	0.0011	0.008	0.0012	0.001	0.0011
	LOQ	0.003	0.0028	0.0087	0.0039	0.006	0.005	0.004	0.0057	0.0028	0.0022	0.0033	0.0027	0.0029

In order to "PASS", samples must not exceed any FDA Levels of Concern.

PASS or FAIL

HARVEST LOCATION Collected Completed Sample # Method

SHRIMP		HARVESTED: 8.0, PANAMA CITY, OFFSHORE WATERS, TRIP TICKET 9051059	8/31/10	9/13/10	10/CR-43659	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
					10/CR-43659	520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
SHRIMP		HARVESTED: 8.1 PANAMA CITY, ST. ANDREW BAY	9/7/10	9/17/10	10/CR-43712	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
					10/CR-43712	520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
FISH-FIN	RED SNAPPER	HARVESTED: 8.9 PANAMA CITY, FEDERAL WATERS	9/7/10	9/17/10	10/CR-43718	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
					10/CR-43718	520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
FISH-FIN	FLOUNDER	HARVESTED: 7.1, APALACHEE BAY, THE MILES	9/21/10	10/8/10	10/CR-43881	521	<LOD	<LOD	<LOD	<LOD	TR	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
					10/CR-43881	520	0.0032	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
OYSTERS		1622, 09/21/10	9/21/10	10/8/10	10/CR-43882	521	<LOD	<LOD	<LOD	<LOD	<LOD	TR	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
					10/CR-43882	520	TR	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
OYSTERS		1612, 09/20/10	9/21/10	10/8/10	10/CR-43883	521	<LOD	<LOD	<LOD	<LOD	<LOD	TR	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
					10/CR-43883	520	TR	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
FISH-FIN	MULLET	HARVESTED: 10.1, PENSACOLA, PENSACOLA / EAST BAY	9/21/10	10/8/10	10/CR-43891	521	<LOD	<LOD	TR	TR	TR	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
					10/CR-43891	520	0.0044	TR	0.0076	TR	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
CRABS	BLUE CRABS	HARVESTED: 6.2 CRYSTAL RIVER-TARPON SPRINGS, OTHER INLAND WATERS	10/25/10	11/10/10	10/CR-44324	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
SHRIMP		HARVESTED: 6.2 CRYSTAL RIVER-TARPON SPRINGS, OTHER INLAND WATERS	10/25/10	11/10/10	10/CR-44325	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
OYSTERS		L 427 A GAV BAY, 10/19/10	10/25/10	11/10/10	10/CR-44326	521	<LOD	<LOD	<LOD	<LOD	<LOD	TR	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
FISH-FIN	BLUEFISH	HARVESTED: CITRUS COUNTY, 9 MILES FROM CRYSTAL RIVER	10/26/10	11/10/10	10/CR-44362	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
FISH-FIN	MACKEREL, KING	HARVESTED: 732.9, CAPE CANAVERAL, FEDERAL WATERS	11/8/10	12/10/10	10/CR-44503	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
OYSTERS	OYSTER	1642, 11/02/10	11/8/10	12/10/10	10/CR-44522	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
CRABS	CRAB, BLUE, LIVE	HARVESTED: 736.1, FORT PIERCE, INLAND WATERS, TRIP TICKET # 9152737	11/8/10	12/10/10	10/CR-44523	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
LOBSTER	LOBSTER, SPINY	HARVESTED: 741.1, COUNTY 16	11/29/2010	12/14/10	10/CR-44698	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
FISH-FIN	SNAPPER, YELLOWTAIL	HARVESTED: 1.9, KEY WEST, FEDERAL WATERS SOUTH OF US1, TRIP TICKET 9334295	12/7/2010	1/3/11	10/CR-44781	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass

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Method 521	LOD	0.050	0.003	0.005	0.0005	0.0010	0.0010	0.0010	0.0010	0.0010	0.0005	0.0010	0.0010	0.0010	0.003	PASS or FAIL
	LOQ	0.170	0.010	0.017	0.0017	0.0033	0.0033	0.0033	0.0033	0.0033	0.0017	0.0033	0.0033	0.0033	0.010	
Method 520	LOD	0.001	0.001	0.0026	0.0013	0.0022	0.0019	0.0015	0.002	0.0011	0.008	0.0012	0.001	0.0011	PASS or FAIL	
	LOQ	0.003	0.0028	0.0087	0.0039	0.006	0.005	0.004	0.0057	0.0028	0.0022	0.0033	0.0027	0.0029		

HARVEST LOCATION			Collected	Completed	Sample #	Method														
SHRIMP	SHRIMP, PINK	HARVESTED: 1.1, KEY WEST, SOUTH OF US1, TICKET 0414	12/13/10	1/3/11	10/CR-44843	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
FISH-FIN	PORGY	HARVESTED: 744.0, MIAMI, OFFSHORE WATERS, TICKET 52996	12/13/10	1/3/11	10/CR-44851	521	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass
						520	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	<LOD	Pass