

**Chemical Analyses (HPLC-UVF)**

PAH Levels of Concern (LOC) in ppb for Finfish (average consumption 49 g/day) -- Chemistry results below this level are considered safe<sup>1</sup>. LOC for PHN and ANT combined is 490,000.

32,700 65,300 PHN + ANT 490,000 65,300 49,000 350 35,000 35 3,500 350 350 35

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
B-12	Chemical Test OR.1101.001.001.YFT01.NL <sup>2</sup> Composite of 1 Yellowfin Tuna Specimen (collected on 3/7/11)	<10.55	<0.55	<1.99	<1.42	<5.57	<3.19	<3.36	<4.34	<0.81	<0.63	<0.77	<1.87	<1.20
	Chemical Test OR.1101.002.001_004.YFT01.NL <sup>2</sup> Composite of 4 Yellowfin Tuna Specimens (collected on 3/8/11)	<10.55	<0.55	<1.99	<1.42	<5.57	<3.19	<3.36	<4.34	<0.81	<0.63	<0.77	<1.87	<1.20
	Chemical Test OR.1101.002.005.Who01.NL <sup>2</sup> Composite of 1 Wahoo Specimen (collected on 3/8/11)	<10.55	<0.55	<1.99	<1.42	<5.57	<3.19	<3.36	<4.34	<0.81	<0.63	<0.77	<1.87	<1.20

<sup>1</sup> Derivation of Levels of Concern is contained in the NOAA-FDA Opening Protocol

<sup>2</sup> Analyses conducted using Agilent HPLC-UVF system versus Waters HPLC-UVF system

Diocetyl sodium sulfosuccinate (DOSS) Level of Concern (100 ppm) for Finfish - Chemistry results below this level are considered safe.

Grid	Sample Label	CHEMISTRY RESULTS (parts per million)
		DOSS
B-12	Chemical Test OR.1101.001.001.YFT01.NL Composite of 1 Yellowfin Tuna Specimen (collected on 3/7/11)	<0.045
	Chemical Test OR.1101.002.001_004.YFT01.NL Composite of 4 Yellowfin Tuna Specimens (collected on 3/8/11)	<0.045
	Chemical Test OR.1101.002.005.Who01.NL Composite of 1 Wahoo Specimen (collected on 3/8/11)	<0.044

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32,700 65,300 PHN + ANT 490,000 65,300 49,000 350 35,000 35 3,500 350 350 35

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
C-28	Chemical Test 133-3919 Composite of 1 Dolphin Fish Specimen (collected on 5/12/11)	12.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3920 Composite of 1 Dolphin Fish Specimen (collected on 5/12/11)	7.10	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3921 Composite of 5 Dolphin Fish Specimens (collected on 5/13/11)	10.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3922 Composite of 5 Dolphin Fish Specimens (collected on 5/13/11)	9.40	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3

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Diocetyl sodium sulfosuccinate (DOSS) Level of Concern (100 ppm) for Finfish - Chemistry results below this level are considered safe.

Grid	Sample Label	CHEMISTRY RESULTS (parts per million)
		DOSS
C-28	Chemical Test 133-3919 Composite of 1 Dolphin Fish Specimen (collected on 5/12/11)	<0.044
	Chemical Test 133-3920 Composite of 1 Dolphin Fish Specimen (collected on 5/12/11)	<0.045
	Chemical Test 133-3921 Composite of 5 Dolphin Fish Specimens (collected on 5/13/11)	<0.045
	Chemical Test 133-3922 Composite of 5 Dolphin Fish Specimens (collected on 5/13/11)	<0.045

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32,700 65,300 PHN + ANT 490,000 65,300 49,000 350 35,000 35 3,500 350 350 35

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
C-29	Chemical Test 133-3960 Composite of 3 Dolphin Fish Specimen (collected on 6/2/11)	34.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3961 Composite of 1 Dolphin Fish Specimen (collected on 6/3/11)	14.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3962 Composite of 1 Skipjack Tuna Specimen (collected on 6/4/11)	15.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
C-29	Chemical Test 133-3963 Composite of 3 Dolphin Fish Specimen (collected on 6/4/11)	10.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3964 Composite of 4 Dolphin Fish Specimen (collected on 6/5/11)	18.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3

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Diocetyl sodium sulfosuccinate (DOSS) Level of Concern (100 ppm) for Finfish - Chemistry results below this level are considered safe.

Grid	Sample Label	CHEMISTRY RESULTS (parts per million)
		DOSS
C-29	Chemical Test 133-3960 Composite of 3 Dolphin Fish Specimen (collected on 6/2/11)	<0.045
	Chemical Test 133-3961 Composite of 1 Dolphin Fish Specimen (collected on 6/3/11)	<0.045
	Chemical Test 133-3962 Composite of 1 Skipjack Tuna Specimen (collected on 6/4/11)	<0.044
	Chemical Test 133-3963 Composite of 3 Dolphin Fish Specimen (collected on 6/4/11)	<0.045
	Chemical Test 133-3964 Composite of 4 Dolphin Fish Specimen (collected on 6/5/11)	<0.044

**Chemical Analyses (HPLC-UVF)**

PAH Levels of Concern (LOC) in ppb for Finfish (average consumption 49 g/day) -- Chemistry results below this level are considered safe<sup>1</sup>. LOC for PHN and ANT combined is 490,000.

32,700 65,300 PHN + ANT 490,000 65,300 49,000 350 35,000 35 3,500 350 350 35

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
	Chemical Test 133-3978	10.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 4 Dolphin Fish Specimens (collected on 4/19/11)													
	Chemical Test 133-3979	12.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 3 Dolphin Fish Specimens (collected on 4/20/11)													
C-32	Chemical Test 133-3980	12.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 1 Tripletail Specimen (collected on 4/20/11)													
	Chemical Test 133-3981	11.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 1 Blackfin Tuna Specimen (collected on 4/20/11)													

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Diocetyl sodium sulfosuccinate (DOSS) Level of Concern (100 ppm) for Finfish - Chemistry results below this level are considered safe.

Grid	Sample Label	CHEMISTRY RESULTS (parts per million)
		DOSS
	Chemical Test 133-3978	<0.045
	Composite of 4 Dolphin Fish Specimens (collected on 4/19/11)	
	Chemical Test 133-3979	<0.045
	Composite of 3 Dolphin Fish Specimens (collected on 4/20/11)	
C-32	Chemical Test 133-3980	<0.045
	Composite of 1 Tripletail Specimen (collected on 4/20/11)	
	Chemical Test 133-3981	<0.044
	Composite of 1 Blackfin Tuna Specimen (collected on 4/20/11)	

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32,700 65,300 PHN + ANT 490,000 65,300 49,000 350 35,000 35 3,500 350 350 35

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
	Chemical Test 133-3942	11.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 5 Dolphin Fish Specimens (collected on 5/30/11)													
	Chemical Test 133-3943	11.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 2 Dolphin Fish Specimens (collected on 5/31/11)													
C-35	Chemical Test 133-3944	11.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 2 Dolphin Fish Specimens (collected on 5/31/11)													
	Chemical Test 133-3945	25.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 3 Dolphin Fish Specimens (collected on 5/31/11)													

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Diocetyl sodium sulfosuccinate (DOSS) Level of Concern (100 ppm) for Finfish - Chemistry results below this level are considered safe.

Grid	Sample Label	CHEMISTRY RESULTS (parts per million)
		DOSS
	Chemical Test 133-3942	<0.045
	Composite of 5 Dolphin Fish Specimens (collected on 5/30/11)	
		<0.044
	Composite of 2 Dolphin Fish Specimens (collected on 5/31/11)	
C-35	Chemical Test 133-3944	<0.043
	Composite of 2 Dolphin Fish Specimens (collected on 5/31/11)	
	Chemical Test 133-3945	<0.044
	Composite of 3 Dolphin Fish Specimens (collected on 5/31/11)	

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32,700 65,300 PHN + ANT 490,000 65,300 49,000 350 35,000 35 3,500 350 350 35

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
	Chemical Test OR.1103.010.001_002.TPT01.NL <sup>2</sup>	<10.55	<0.55	<1.99	<1.42	<5.57	<3.19	<3.36	<4.34	<0.81	<0.63	<0.77	<1.87	<1.20
	Composite of 2 Tripletail Specimens (collected on 4/8/11)													
	Chemical Test 133-4008	13.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 1 Dolphin Fish Specimen (collected on 4/17/11)													
C-36	Chemical Test 133-3926	31.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 5 Dolphin Fish Specimens (collected on 5/5/11)													
	Chemical Test 133-3927	26.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 1 Dolphin Fish Specimen (collected on 5/6/11)													
	Chemical Test 133-3928	24.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Composite of 3 Dolphin Fish Specimens (collected on 5/7/11)													

<sup>1</sup> Derivation of Levels of Concern is contained in the NOAA-FDA Opening Protocol

<sup>2</sup> Analyses conducted using Agilent HPLC-UVF system versus Waters HPLC-UVF system

Diocetyl sodium sulfosuccinate (DOSS) Level of Concern (100 ppm) for Finfish - Chemistry results below this level are considered safe.

Grid	Sample Label	CHEMISTRY RESULTS (parts per million)
		DOSS
	Chemical Test OR.1103.010.001_002.TPT01.NL	0.086
	Composite of 2 Tripletail Specimens (collected on 4/8/11)	
	Chemical Test 133-4008	<0.045
	Composite of 1 Dolphin Fish Specimen (collected on 4/17/11)	
C-36	Chemical Test 133-3926	<0.045
	Composite of 5 Dolphin Fish Specimens (collected on 5/5/11)	
	Chemical Test 133-3927	<0.044
	Composite of 1 Dolphin Fish Specimen (collected on 5/6/11)	
	Chemical Test 133-3928	<0.044
	Composite of 3 Dolphin Fish Specimens (collected on 5/7/11)	

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32,700 65,300 PHN + ANT 490,000 65,300 49,000 350 35,000 35 3,500 350 350 35

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
	Chemical Test 133-3935 Composite of 1 Wahoo Specimen (collected on 5/25/11)	13.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3936 Composite of 1 Dolphin Fish Specimen (collected on 5/25/11)	10.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3937 Composite of 1 Dolphin Fish Specimen (collected on 5/25/11)	12.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
C-37	Chemical Test 133-3938 Composite of 3 Dolphin Fish Specimens (collected on 5/26/11)	11.00	1.5	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3939 Composite of 1 Dolphin Fish Specimen (collected on 5/26/11)	9.90	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3940 Composite of 2 Dolphin Fish Specimens (collected on 5/26/11)	11.00	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3
	Chemical Test 133-3941 Composite of 3 Dolphin Fish Specimens (collected on 5/27/11)	8.50	<1.0	<0.75	<1.4	<4.1	<0.72	<0.59	<1.1	<1.1	<0.58	<0.67	<2.5	<5.3

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Diethyl sodium sulfosuccinate (DOSS) Level of Concern (100 ppm) for Finfish - Chemistry results below this level are considered safe.

Grid	Sample Label	CHEMISTRY RESULTS (parts per million)
		DOSS
	Chemical Test 133-3935 Composite of 1 Wahoo Specimen (collected on 5/25/11)	<0.045
	Chemical Test 133-3936 Composite of 1 Dolphin Fish Specimen (collected on 5/25/11)	<0.044
	Chemical Test 133-3937 Composite of 1 Dolphin Fish Specimen (collected on 5/25/11)	<0.044
C-37	Chemical Test 133-3938 Composite of 3 Dolphin Fish Specimens (collected on 5/26/11)	<0.044
	Chemical Test 133-3939 Composite of 1 Dolphin Fish Specimen (collected on 5/26/11)	<0.044
	Chemical Test 133-3940 Composite of 2 Dolphin Fish Specimens (collected on 5/26/11)	<0.043
	Chemical Test 133-3941 Composite of 3 Dolphin Fish Specimens (collected on 5/27/11)	<0.044