

Chemical Analyses (HPLC-UVF)

PAH Levels of Concern (LOC) in ppb for Shrimp (average consumption 13 g/day) -- Chemistry results below this level are considered safe to re-open¹. LOC for PHN and ANT combined is 1,846,000.

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		123,000	246,000	PHN + ANT 1,846,000		246,000	185,000	1,320	132,000	132	13,200	1,320	1,320	132
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
C11	OM.1005.001.P.RRSComp01.NL (port) Composite of 1 Royal Red Shrimp Specimen collected 12/4/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1005.001.S.RRSComp01.NL (starboard) Composite of 1 Royal Red Shrimp Specimen collected 12/4/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1007.001.P.RRSComp01_05.NL (port) Composite of 5 Royal Red Shrimp Specimens collected 12/14/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1007.001.S.RRSComp01_03.NL (starboard) Composite of 3 Royal Red Shrimp Specimens collected 12/14/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1008.001.S.RRSComp01_06.NL (starboard) Composite of 6 Royal Red Shrimp Specimens collected 1/6/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1008.001.P.RRSComp01_05.NL (port) Composite of 5 Royal Red Shrimp Specimens collected 1/6/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1008.002.S.RRSComp01_06.NL (starboard) Composite of 6 Royal Red Shrimp Specimens collected 1/6/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1008.002.P.RRSComp01_06.NL (port) Composite of 6 Royal Red Shrimp Specimens collected 1/6/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83

¹ Derivation of Levels of Concern is contained in the NOAA-FDA Opening Protocol

Chemical Analyses (HPLC-UVF)

PAH Levels of Concern (LOC) in ppb for Shrimp (average consumption 13 g/day) -- Chemistry results below this level are considered safe to re-open¹. LOC for PHN and ANT combined is 1,846,000.

Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		123,000	246,000	PHN + ANT 1,846,000		246,000	185,000	1,320	132,000	132	13,200	1,320	1,320	132
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
	78.1015.005.S.RRSComp01_06.NL (starboard) Composite of 6 Royal Red Shrimp Specimens collected 12/4/2010	<2.37	<0.41	2.78	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83

C15

OM.1007.002.S.RRSComp01_06.NL (starboard) Composite of 6 Royal Red Shrimp Specimens collected 12/14/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
OM.1008.003.S.RRSComp01_06.NL (starboard) Composite of 6 Royal Red Shrimp Specimens collected 1/6/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
OM.1008.003.P.RRSComp01_06.NL (port) Composite of 6 Royal Red Shrimp Specimens collected 1/6/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
OM.1008.004.S.RRSComp01_06.NL (starboard) Composite of 6 Royal Red Shrimp Specimens collected 1/6/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
OM.1008.004.P.RRSComp01_06.NL (port) Composite of 6 Royal Red Shrimp Specimens collected 1/6/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83

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Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
		123,000	246,000	PHN + ANT 1,846,000		246,000	185,000	1,320	132,000	132	13,200	1,320	1,320	132
78.1015.003.S.RRSComp01_06.NL (starboard) Composite of 6 Royal Red Shrimp Specimens collected 12/3/2010		<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
78.1015.003.P.RRSComp01_06.NL (port) Composite of 6 Royal Red Shrimp Specimens collected 12/3/2010		<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
78.1015.004.S.RRSComp01_03.NL (starboard) Composite of 3 Royal Red Shrimp Specimens collected 12/4/2010		<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
78.1015.004.P.RRSComp01_02.NL (port) Composite of 2 Royal Red Shrimp Specimens collected 12/4/2010		<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
OM.1005.005.P.RRSComp01.NL (port) Composite of 1 Royal Red Shrimp Specimen collected 12/7/2010		<2.37	<0.41	2.86	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
OM.1005.005.S.RRSComp01.NL (starboard) Composite of 1 Royal Red Shrimp Specimen collected 12/7/2010		<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
OM.1006.001.S.RRSComp01.NL (starboard)		<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	Trace	<0.96	<0.26	<0.66	<7.68	<1.83

C18

Composite of 1 Royal Red Shrimp Specimen collected 12/9/2010														
OM.1006.001.P.RRSComp01.NL (port)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	Trace	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 1 Royal Red Shrimp Specimen collected 12/9/2010														
OM.1006.002.S.RRSComp01.NL (starboard)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 1 Royal Red Shrimp Specimen collected 12/9/2010														
OM.1006.002.P.RRSComp01.NL (port)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 1 Royal Red Shrimp Specimen collected 12/9/2010														
OM.1007.003.P.RRSComp01_05.NL (port)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 5 Royal Red Shrimp Specimens collected 12/14/2010														
OM.1007.003.S.RRSComp01_05.NL (starboard)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 5 Royal Red Shrimp Specimens collected 12/14/2010														
OM.1009.004.P.RRSComp01_06.NL (port)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 6 Royal Red Shrimp Specimens collected 1/14/2011														
OM.1009.004.S.RRSComp01_06.NL (starboard)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 6 Royal Red Shrimp Specimens collected 1/14/2011														
OM.1009.005.S.RRSComp01_06.NL (starboard)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 6 Royal Red Shrimp Specimens collected 1/15/2011														
OM.1009.005.P.RRSComp01_06.NL (port)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 6 Royal Red Shrimp Specimens collected 1/15/2011														
OM.1009.006.P.RRSComp01_06.NL (port)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 6 Royal Red Shrimp Specimens collected 1/15/2011														
OM.1009.006.S.RRSComp01_06.NL (starboard)	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83	
Composite of 6 Royal Red Shrimp Specimens collected 1/15/2011														

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PHN + ANT												
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Grid	Sample Label	CHEMISTRY RESULTS (parts per billion)												
		NPH	FLU	PHN	ANT	FLA	PYR	BAA	CHR	BAP	BKF	BBF	IDP	DBA
	78.1015.001.P.RRSComp01.NL (port) Composite of 1 Royal Red Shrimp Specimen collected 12/3/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	78.1015.001.S.RRSComp01_02.NL (starboard) Composite of 2 Royal Red Shrimp Specimens collected 12/3/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	78.1015.002.P.RRSComp01_06.NL (port) Composite of 6 Royal Red Shrimp Specimens collected 12/4/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	78.1015.002.S.RRSComp01_06.NL (starboard) Composite of 6 Royal Red Shrimp Specimens collected 12/4/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1006.003.P.RRSComp01.NL (port) Composite of 1 Royal Red Shrimp Specimen collected 12/9/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	Trace	<0.96	<0.26	<0.66	<7.68	<1.83
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	OM.1006.004.P.RRSComp01.NL (port) Composite of 1 Royal Red Shrimp Specimens collected 12/10/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	2.71	<0.66	<7.68	<1.83
C23	OM.1006.004.S.RRSComp01.NL (starboard) Composite of 1 Royal Red Shrimp Specimens collected 12/10/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1006.005.S.RRSComp01.NL (starboard) Composite of 1 Royal Red Shrimp Specimen collected 12/10/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
	OM.1006.005.P.RRSComp01.NL (port) Composite of 1 Royal Red Shrimp Specimen collected 12/10/2010	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83
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	OM.1009.002.P.RRSComp01_04.NL (port) Composite of 6 Royal Red Shrimp Specimens collected 1/14/2011	<2.37	<0.41	<0.62	<1.24	<6.49	<5.66	<1.05	<3.65	<0.96	<0.26	<0.66	<7.68	<1.83

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