



# **YEAR 1 RESULTS 2020-2021**

**Hatchery Facilities**

**Water Suitability**

**Ions, Heavy Metals, Inorganic Chemicals**

**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Shellfish Water Quality  
Incoming Tank Water

Analysis	Level Found		Reporting		Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: <b>E232</b>	Lab Number: <b>8869061</b>	Date Sampled: <b>2021-02-17</b>				
Calcium (total)	294	ppm	0.10	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Magnesium (total)	884	ppm	0.10	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
pH	8.08	S.U.	0.10	SM 4500-H+ B-(2011)	wib1-2021/02/23	jdb5-2021/02/25
Conductivity	37.1	mS/cm	0.002	SM 2510 B-(1997)	wib1-2021/02/23	jdb5-2021/02/25
Sodium absorption ratio	47.9	None	0.1	Calculation	Auto-2021/03/03	Auto-2021/03/03
Phosphorus (total)	< 0.05	ppm	0.05	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Potassium (total)	260	ppm	0.50	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Bicarbonate as CaCO <sub>3</sub>	117	ppm	10	SM 2320 B-(1997)	mgn8-2021/03/02	jdb5-2021/03/03
Chloride	14100	ppm	500	EPA 300.0	mgn8-2021/02/24	jdb5-2021/02/25
Boron (total)	3.07	ppm	0.05	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Iron (total)	< 0.05	ppm	0.05	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Manganese (total)	< 0.005	ppm	0.005	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Zinc (total)	0.02	ppm	0.01	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Carbonate as CaCO <sub>3</sub>	1.3	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/03/02	jdb5-2021/03/03
Nickel (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Sodium (total)	7320	mg/L	0.10	EPA 200.7	erw9-2021/03/02	trh1-2021/03/03
Beryllium (total)	0.0025	mg/L	0.0005	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Antimony (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Barium (total)	0.012	mg/L	0.005	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03

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Shellfish Water Quality  
Incoming Tank Water

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
<b>Sample ID: E232</b>	Lab Number: <b>8869061</b> (con't)					
Cadmium (total)	0.007	mg/L	0.002	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Lead (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Selenium (total)	0.009	mg/L	0.001	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Thallium (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Nitrite (NO <sub>2</sub> )	< 0.02	mg/L	0.02	SM 4500-NO <sub>2</sub> B	nam7-2021/02/24	jdb5-2021/02/25
Nitrate-nitrogen	0.2	mg/L	0.2	EPA 300.0	mgn8-2021/02/23	jdb5-2021/02/25
Sulfate	1980	mg/L	100	EPA 300.0	mgn8-2021/02/24	jdb5-2021/02/25
Fluoride	< 0.1	mg/L	0.1	EPA 300.0	mgn8-2021/02/23	jdb5-2021/02/25
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	pjd8-2021/03/01	kkh9-2021/03/01
Arsenic (total)	0.0236	mg/L	0.0005	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Total dissolved solids	24800	mg/L	10	SM 2540 C-(1997)	akn1-2021/03/02	jdb5-2021/03/02

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**21-062-4162**

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**Mar 03, 2021**

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**59065**

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**PAGE 3/3**

ISSUE DATE  
**Mar 03, 2021**

**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Shellfish Water Quality  
Incoming Tank Water

Analysis	Level Found	Units	Reporting	Method	Analyst-	Verified-
	As Received		Limit		Date	Date

All results are reported on an AS RECEIVED basis., ppm = parts per million, ppm = mg/kg

For questions please contact:

Kerri Stanek  
Account Manager  
kstanek@midwestlabs.com (402)590-2982

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**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Shellfish Water Quality  
Incoming Tank Water

Analysis	Level Found		Reporting		Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: <b>F626</b>	Lab Number: <b>8869060</b>	Date Sampled: <b>2021-02-17</b>				
Calcium (total)	269	ppm	0.10	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Magnesium (total)	796	ppm	0.10	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
pH	7.59	S.U.	0.10	SM 4500-H+ B-(2011)	wib1-2021/02/23	jdb5-2021/02/25
Conductivity	33.4	mS/cm	0.002	SM 2510 B-(1997)	wib1-2021/02/23	jdb5-2021/02/25
Sodium absorption ratio	45.5	None	0.1	Calculation	Auto-2021/03/03	Auto-2021/03/03
Phosphorus (total)	0.64	ppm	0.05	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Potassium (total)	238	ppm	0.50	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Bicarbonate as CaCO <sub>3</sub>	120	ppm	10	SM 2320 B-(1997)	mgn8-2021/03/02	jdb5-2021/03/03
Chloride	12400	ppm	500	EPA 300.0	mgn8-2021/02/24	jdb5-2021/02/25
Boron (total)	2.86	ppm	0.05	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Iron (total)	0.50	ppm	0.05	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Manganese (total)	0.030	ppm	0.005	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Zinc (total)	0.04	ppm	0.01	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Carbonate as CaCO <sub>3</sub>	< 0.5	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/03/02	jdb5-2021/03/03
Nickel (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Sodium (total)	6610	mg/L	0.10	EPA 200.7	erw9-2021/03/02	trh1-2021/03/03
Beryllium (total)	0.0109	mg/L	0.0005	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Antimony (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Barium (total)	0.021	mg/L	0.005	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03

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Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
<b>Sample ID: F626</b>	Lab Number: <b>8869060</b> (con't)					
Cadmium (total)	0.011	mg/L	0.002	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Copper (total)	0.01	mg/L	0.01	EPA 200.7	erw9-2021/03/01	trh1-2021/03/03
Lead (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Selenium (total)	0.017	mg/L	0.001	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Thallium (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Nitrite (NO <sub>2</sub> )	< 0.02	mg/L	0.02	SM 4500-NO <sub>2</sub> B	nam7-2021/02/24	jdb5-2021/02/25
Nitrate-nitrogen	< 0.2	mg/L	0.2	EPA 300.0	mgn8-2021/02/23	jdb5-2021/02/25
Sulfate	1740	mg/L	100	EPA 300.0	mgn8-2021/02/24	jdb5-2021/02/25
Fluoride	< 0.1	mg/L	0.1	EPA 300.0	mgn8-2021/02/23	jdb5-2021/02/25
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	pjd8-2021/03/01	kkh9-2021/03/01
Arsenic (total)	0.0231	mg/L	0.0005	EPA 200.8	ras7-2021/03/02	trh1-2021/03/03
Total dissolved solids	21500	mg/L	10	SM 2540 C-(1997)	akn1-2021/03/02	jdb5-2021/03/02

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**REPORT OF ANALYSIS**

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Incoming Tank Water

Analysis	Level Found	Units	Reporting	Method	Analyst-	Verified-
	As Received		Limit		Date	Date

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Water Quality for Shellfish

Analysis	Level Found	Reporting			Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: <b>g109 Wee Reservoir Water</b>	Lab Number: <b>8913542</b>	Date Sampled: <b>2021-05-18 1206</b>				
Calcium (total)	410	ppm	0.10	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Magnesium (total)	1050	ppm	0.10	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
pH	7.27	S.U.	0.10	SM 4500-H+ B-(2011)	akn1-2021/05/25	jdb5-2021/05/27
Conductivity	44.4	mS/cm	0.002	SM 2510 B-(1997)	akn1-2021/05/25	jdb5-2021/05/27
Sodium absorption ratio	54.0	None	0.1	Calculation	Auto-2021/06/01	Auto-2021/06/02
Phosphorus (total)	< 0.05	ppm	0.05	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Potassium (total)	320	ppm	0.50	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Bicarbonate as CaCO <sub>3</sub>	200	ppm	10	SM 2320 B-(1997)	jsa6-2021/05/27	jdb5-2021/05/28
Chloride	17300	ppm	500	EPA 300.0	jsa6-2021/05/25	jdb5-2021/05/27
Boron (total)	3.69	ppm	0.05	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Iron (total)	2.14	ppm	0.05	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Manganese (total)	0.080	ppm	0.005	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Zinc (total)	0.01	ppm	0.01	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Carbonate as CaCO <sub>3</sub>	< 0.5	ppm	0.5	SM 2320 B-(1997)	jsa6-2021/05/27	jdb5-2021/05/28
Nickel (total)	0.03	mg/L	0.01	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Sodium (total)	9130	mg/L	0.10	EPA 200.7	ery3-2021/05/28	trh1-2021/06/01
Beryllium (total)	< 0.0005	mg/L	0.0005	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Antimony (total)	0.0019	mg/L	0.0005	EPA 200.8	ras7-2021/05/28	trh1-2021/06/01
Barium (total)	0.039	mg/L	0.005	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01

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Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
<b>Sample ID: g109 Wee Reservoir Water</b>	Lab Number: <b>8913542</b> (con't)					
Cadmium (total)	< 0.002	mg/L	0.002	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/26	trh1-2021/06/01
Lead (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/28	trh1-2021/06/01
Selenium (total)	0.013	mg/L	0.001	EPA 200.8	ras7-2021/05/28	trh1-2021/06/01
Thallium (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/28	trh1-2021/06/01
Nitrite (NO <sub>2</sub> )	< 0.02	mg/L	0.02	SM 4500-NO <sub>2</sub> B	nam7-2021/05/24	jdb5-2021/05/27
Nitrate-nitrogen	1.4	mg/L	2.0	EPA 300.0	jsa6-2021/05/24	jdb5-2021/05/27
Sulfate	2290	mg/L	50	EPA 300.0	jsa6-2021/05/25	jdb5-2021/05/27
Fluoride	0.4	mg/L	1.0	EPA 300.0	jsa6-2021/05/24	jdb5-2021/05/27
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	jmw0-2021/05/28	trh1-2021/06/01
Arsenic (total)	0.0397	mg/L	0.0005	EPA 200.8	ras7-2021/05/28	trh1-2021/06/01
Total dissolved solids	31700	mg/L	10	SM 2540 C-(1997)	Mmg9-2021/06/02	mgn8-2021/06/02

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**59065**



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ISSUE DATE  
**Jun 02, 2021**

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Natalie Simon  
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Water Quality for Shellfish

Analysis	Level Found	Units	Reporting	Method	Analyst-	Verified-
	As Received		Limit		Date	Date

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Kerri Stanek  
Account Manager  
kstanek@midwestlabs.com (402)590-2982

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Water Quality for Shellfish

Analysis	Level Found	Reporting			Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: 935879-1 n185 Tank 1    Lab Number: 8886207    Date Sampled: 2021-03-23 1100						
Calcium (total)	303	ppm	0.10	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Magnesium (total)	1120	ppm	0.10	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
pH	7.77	S.U.	0.10	SM 4500-H+ B-(2011)	jsa6-2021/03/30	jdb5-2021/03/31
Conductivity	43.0	mS/cm	0.002	SM 2510 B-(1997)	jsa6-2021/03/30	jdb5-2021/03/31
Sodium absorption ratio	55.4	None	0.1	Calculation	Auto-2021/04/07	Auto-2021/04/07
Phosphorus (total)	0.28	ppm	0.05	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Potassium (total)	294	ppm	0.50	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Bicarbonate as CaCO <sub>3</sub>	121	ppm	10	SM 2320 B-(1997)	mgn8-2021/04/01	jdb5-2021/04/01
Chloride	17300	ppm	500	EPA 300.0	mgn8-2021/03/30	jdb5-2021/03/31
Boron (total)	3.04	ppm	0.05	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Iron (total)	< 0.05	ppm	0.05	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Manganese (total)	< 0.005	ppm	0.005	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Zinc (total)	< 0.01	ppm	0.01	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Carbonate as CaCO <sub>3</sub>	0.7	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/04/01	jdb5-2021/04/01
Nickel (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Sodium (total)	9380	mg/L	0.10	EPA 200.7	ery3-2021/04/07	kkh9-2021/04/07
Beryllium (total)	< 0.0005	mg/L	0.0005	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Antimony (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Barium (total)	0.009	mg/L	0.005	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
<b>Sample ID: 935879-1 n185 Tank 1</b>	Lab Number: <b>8886207</b> (con't)					
Cadmium (total)	< 0.002	mg/L	0.002	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Lead (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Selenium (total)	0.091	mg/L	0.001	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Thallium (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Nitrite (NO <sub>2</sub> )	< 0.02	mg/L	0.02	SM 4500-NO <sub>2</sub> B	nam7-2021/03/29	jdb5-2021/03/31
Nitrate-nitrogen	< 2	mg/L	2.0	EPA 300.0	mgn8-2021/03/30	jdb5-2021/03/31
Sulfate	2390	mg/L	50	EPA 300.0	mgn8-2021/03/29	jdb5-2021/03/31
Fluoride	< 5	mg/L	5.0	EPA 300.0	mgn8-2021/03/29	jdb5-2021/03/31
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	pjd8-2021/04/02	kkh9-2021/04/07
Arsenic (total)	0.0425	mg/L	0.0005	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Total dissolved solids	29900	mg/L	10	SM 2540 C-(1997)	akn1-2021/04/02	jdb5-2021/04/02

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REPORT NUMBER

**21-097-4272**

REPORT DATE  
**Apr 07, 2021**

RECEIVED DATE  
**Mar 29, 2021**

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ISSUE DATE  
**Apr 07, 2021**

**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting	Method	Analyst-	Verified-
	As Received		Limit		Date	Date

All results are reported on an AS RECEIVED basis., ppm = parts per million, ppm = mg/kg

For questions please contact:

Kerri Stanek  
Account Manager  
kstanek@midwestlabs.com (402)590-2982

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
Sample ID: 935879-2 n185 Tank 2    Lab Number: 8886208    Date Sampled: 2021-03-23 1100						
Calcium (total)	299	ppm	0.10	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Magnesium (total)	1080	ppm	0.10	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
pH	7.82	S.U.	0.10	SM 4500-H+ B-(2011)	jsa6-2021/03/30	jdb5-2021/03/31
Conductivity	42.5	mS/cm	0.002	SM 2510 B-(1997)	jsa6-2021/03/30	jdb5-2021/03/31
Sodium absorption ratio	53.4	None	0.1	Calculation	Auto-2021/04/07	Auto-2021/04/07
Phosphorus (total)	0.25	ppm	0.05	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Potassium (total)	293	ppm	0.50	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Bicarbonate as CaCO <sub>3</sub>	119	ppm	10	SM 2320 B-(1997)	mgn8-2021/04/01	jdb5-2021/04/01
Chloride	18200	ppm	500	EPA 300.0	mgn8-2021/03/30	jdb5-2021/03/31
Boron (total)	3.03	ppm	0.05	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Iron (total)	< 0.05	ppm	0.05	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Manganese (total)	< 0.005	ppm	0.005	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Zinc (total)	< 0.01	ppm	0.01	EPA 200.7	ery3-2021/04/07	kkh9-2021/04/07
Carbonate as CaCO <sub>3</sub>	0.7	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/04/01	jdb5-2021/04/01
Nickel (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Sodium (total)	8900	mg/L	0.10	EPA 200.7	ery3-2021/04/07	kkh9-2021/04/07
Beryllium (total)	< 0.0005	mg/L	0.0005	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Antimony (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Barium (total)	0.011	mg/L	0.005	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
<b>Sample ID: 935879-2 n185 Tank 2</b>	Lab Number: <b>8886208</b> (con't)					
Cadmium (total)	< 0.002	mg/L	0.002	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	erw9-2021/04/06	kkh9-2021/04/07
Lead (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Selenium (total)	0.098	mg/L	0.001	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Thallium (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Nitrite (NO <sub>2</sub> )	< 0.02	mg/L	0.02	SM 4500-NO <sub>2</sub> B	nam7-2021/03/29	jdb5-2021/03/31
Nitrate-nitrogen	< 2	mg/L	2.0	EPA 300.0	mgn8-2021/03/30	jdb5-2021/03/31
Sulfate	2390	mg/L	50	EPA 300.0	mgn8-2021/03/29	jdb5-2021/03/31
Fluoride	< 5	mg/L	5.0	EPA 300.0	mgn8-2021/03/29	jdb5-2021/03/31
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	pjd8-2021/04/02	kkh9-2021/04/07
Arsenic (total)	0.0377	mg/L	0.0005	EPA 200.8	ras7-2021/04/06	kkh9-2021/04/07
Total dissolved solids	30100	mg/L	10	SM 2540 C-(1997)	akn1-2021/04/02	jdb5-2021/04/02

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REPORT NUMBER

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ISSUE DATE  
**Apr 07, 2021**

**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting	Method	Analyst-	Verified-
	As Received		Limit		Date	Date

All results are reported on an AS RECEIVED basis., ppm = parts per million, ppm = mg/kg

For questions please contact:

Kerri Stanek  
Account Manager  
kstanek@midwestlabs.com (402)590-2982

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found		Reporting		Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: <b>U537</b>	Lab Number: <b>8902008</b>	Date Sampled: <b>2021-04-27 1115</b>				
Calcium (total)	334	ppm	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Magnesium (total)	904	ppm	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
pH	7.43	S.U.	0.10	SM 4500-H+ B-(2011)	jsa6-2021/05/04	jdb5-2021/05/07
Conductivity	42.7	mS/cm	0.002	SM 2510 B-(1997)	jsa6-2021/05/04	jdb5-2021/05/07
Sodium absorption ratio	53.7	None	0.1	Calculation	Auto-2021/05/07	Auto-2021/05/12
Phosphorus (total)	0.21	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Potassium (total)	279	ppm	0.50	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Bicarbonate as CaCO <sub>3</sub>	160	ppm	10	SM 2320 B-(1997)	mgn8-2021/05/06	jdb5-2021/05/07
Chloride	17100	ppm	500	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Boron (total)	3.39	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Iron (total)	< 0.05	ppm	0.05	EPA 200.7	ery3-2021/05/07	kkh9-2021/05/11
Manganese (total)	< 0.005	ppm	0.005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Zinc (total)	< 0.01	ppm	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Carbonate as CaCO <sub>3</sub>	< 0.5	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/05/06	jdb5-2021/05/07
Nickel (total)	0.03	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Sodium (total)	8380	mg/L	0.10	EPA 200.7	ery3-2021/05/06	kkh9-2021/05/11
Beryllium (total)	< 0.0005	mg/L	0.0005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Antimony (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Barium (total)	0.017	mg/L	0.005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
<b>Sample ID: U537</b>	Lab Number: <b>8902008</b> (con't)					
Cadmium (total)	< 0.002	mg/L	0.002	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Lead (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Selenium (total)	0.034	mg/L	0.001	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Thallium (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Nitrite (NO <sub>2</sub> )	< 0.02	mg/L	0.02	SM 4500-NO <sub>2</sub> B	nam7-2021/05/03	jdb5-2021/05/07
Nitrate-nitrogen	< 2	mg/L	2.0	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Sulfate	2310	mg/L	100	EPA 300.0	mgn8-2021/05/03	jdb5-2021/05/07
Fluoride	< 1	mg/L	1.0	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	jmw0-2021/05/06	kkh9-2021/05/06
Arsenic (total)	0.0415	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Total dissolved solids	29300	mg/L	10	SM 2540 C-(1997)	jsp9-2021/05/12	mgn8-2021/05/12

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REPORT NUMBER

**21-132-4034**

REPORT DATE  
**May 12, 2021**

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RECEIVED DATE  
**May 03, 2021**



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ISSUE DATE  
**May 12, 2021**

**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Reporting			Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		

All results are reported on an AS RECEIVED basis., ppm = parts per million, ppm = mg/kg

For questions please contact:

Kerri Stanek  
Account Manager  
kstanek@midwestlabs.com (402)590-2982

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found		Reporting		Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: Y378	Lab Number: 8902007	Date Sampled: 2021-04-27 1100				
Calcium (total)	324	ppm	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Magnesium (total)	905	ppm	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
pH	7.92	S.U.	0.10	SM 4500-H+ B-(2011)	jsa6-2021/05/04	jdb5-2021/05/07
Conductivity	42.2	mS/cm	0.002	SM 2510 B-(1997)	jsa6-2021/05/04	jdb5-2021/05/07
Sodium absorption ratio	54.1	None	0.1	Calculation	Auto-2021/05/07	Auto-2021/05/12
Phosphorus (total)	0.35	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Potassium (total)	288	ppm	0.50	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Bicarbonate as CaCO <sub>3</sub>	155	ppm	10	SM 2320 B-(1997)	mgn8-2021/05/06	jdb5-2021/05/07
Chloride	17300	ppm	500	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Boron (total)	3.38	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Iron (total)	< 0.05	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Manganese (total)	< 0.005	ppm	0.005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Zinc (total)	< 0.01	ppm	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Carbonate as CaCO <sub>3</sub>	1.2	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/05/06	jdb5-2021/05/07
Nickel (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Sodium (total)	8420	mg/L	0.10	EPA 200.7	ery3-2021/05/06	kkh9-2021/05/11
Beryllium (total)	< 0.0005	mg/L	0.0005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Antimony (total)	0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Barium (total)	0.010	mg/L	0.005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
<b>Sample ID: Y378</b>	Lab Number: <b>8902007</b> (con't)					
Cadmium (total)	< 0.002	mg/L	0.002	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Lead (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Selenium (total)	0.040	mg/L	0.001	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Thallium (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Nitrite (NO <sub>2</sub> )	< 0.02	mg/L	0.02	SM 4500-NO <sub>2</sub> B	nam7-2021/05/03	jdb5-2021/05/07
Nitrate-nitrogen	< 2	mg/L	2.0	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Sulfate	2340	mg/L	100	EPA 300.0	mgn8-2021/05/03	jdb5-2021/05/07
Fluoride	< 1	mg/L	1.0	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	jmw0-2021/05/06	kkh9-2021/05/06
Arsenic (total)	0.0427	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Total dissolved solids	29100	mg/L	10	SM 2540 C-(1997)	jsp9-2021/05/12	mgn8-2021/05/12

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REPORT NUMBER

**21-132-4033**

REPORT DATE  
**May 12, 2021**

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ISSUE DATE  
**May 12, 2021**

**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found As Received	Units	Reporting Limit	Method	Analyst- Date	Verified- Date
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For questions please contact:

Kerri Stanek  
Account Manager  
kstanek@midwestlabs.com (402)590-2982

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found		Reporting		Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: <b>Z936</b>	Lab Number: <b>8902006</b>	Date Sampled: <b>2021-04-27 1000</b>				
Calcium (total)	317	ppm	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Magnesium (total)	897	ppm	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
pH	8.14	S.U.	0.10	SM 4500-H+ B-(2011)	jsa6-2021/05/04	jdb5-2021/05/07
Conductivity	41.3	mS/cm	0.002	SM 2510 B-(1997)	jsa6-2021/05/04	jdb5-2021/05/07
Sodium absorption ratio	53.6	None	0.1	Calculation	Auto-2021/05/07	Auto-2021/05/12
Phosphorus (total)	0.12	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Potassium (total)	284	ppm	0.50	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Bicarbonate as CaCO <sub>3</sub>	136	ppm	10	SM 2320 B-(1997)	mgn8-2021/05/06	jdb5-2021/05/07
Chloride	17000	ppm	500	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Boron (total)	3.53	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Iron (total)	< 0.05	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Manganese (total)	< 0.005	ppm	0.005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Zinc (total)	< 0.01	ppm	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Carbonate as CaCO <sub>3</sub>	1.8	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/05/06	jdb5-2021/05/07
Nickel (total)	0.03	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Sodium (total)	8290	mg/L	0.10	EPA 200.7	ery3-2021/05/06	kkh9-2021/05/11
Beryllium (total)	< 0.0005	mg/L	0.0005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Antimony (total)	0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Barium (total)	0.014	mg/L	0.005	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11

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**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Units	Reporting		Analyst- Date	Verified- Date
	As Received		Limit	Method		
<b>Sample ID: Z936</b>	Lab Number: 8902006 (con't)					
Cadmium (total)	0.003	mg/L	0.002	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Lead (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Selenium (total)	0.038	mg/L	0.001	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Thallium (total)	< 0.0005	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Nitrite (NO <sub>2</sub> )	< 0.02	mg/L	0.02	SM 4500-NO <sub>2</sub> B	nam7-2021/05/03	jdb5-2021/05/07
Nitrate-nitrogen	< 2	mg/L	2.0	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Sulfate	2340	mg/L	100	EPA 300.0	mgn8-2021/05/03	jdb5-2021/05/07
Fluoride	< 1	mg/L	1.0	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	jmw0-2021/05/06	kkh9-2021/05/06
Arsenic (total)	0.0466	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Total dissolved solids	29100	mg/L	10	SM 2540 C-(1997)	jsp9-2021/05/12	mgn8-2021/05/12

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13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770

www.midwestlabs.com

**UF/IFAS Shellfish Extension Pr  
Natalie Simon  
11350 SW 153rd Court,  
Cedar Key FL 32625**

**REPORT OF ANALYSIS**

For: (59065) UF/IFAS Shellfish Extension Pr  
Water Quality for Shellfish

Analysis	Level Found	Reporting			Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		

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