



# **YEAR 1 RESULTS**

## **2020-2021**

**Nursery 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  
Water Quality for Shellfish

Analysis	Level Found		Reporting		Analyst- Date	Verified- Date
	As Received	Units	Limit	Method		
Sample ID: <b>c578</b>	Lab Number: <b>8901197</b>	Date Sampled: <b>2021-04-27 0856</b>				
Calcium (total)	279	ppm	0.10	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Magnesium (total)	734	ppm	0.10	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
pH	7.59	S.U.	0.10	SM 4500-H+ B-(2011)	jsa6-2021/05/04	jdb5-2021/05/05
Conductivity	35.5	mS/cm	0.002	SM 2510 B-(1997)	jsa6-2021/05/04	jdb5-2021/05/05
Sodium absorption ratio	45.6	None	0.1	Calculation	Auto-2021/05/06	Auto-2021/05/11
Phosphorus (total)	0.15	ppm	0.05	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Potassium (total)	230	ppm	0.50	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Bicarbonate as CaCO <sub>3</sub>	124	ppm	10	SM 2320 B-(1997)	mgn8-2021/05/05	lma2-2021/05/06
Chloride	14000	ppm	500	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/05
Boron (total)	2.82	ppm	0.05	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Iron (total)	1.30	ppm	0.05	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Manganese (total)	0.028	ppm	0.005	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Zinc (total)	< 0.01	ppm	0.01	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Carbonate as CaCO <sub>3</sub>	0.5	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/05/05	lma2-2021/05/06
Nickel (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Sodium (total)	6430	mg/L	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Beryllium (total)	< 0.0005	mg/L	0.0005	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Antimony (total)	0.0008	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Barium (total)	0.011	mg/L	0.005	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11

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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: c578</b>	Lab Number: 8901197 (con't)					
Cadmium (total)	< 0.002	mg/L	0.002	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Lead (total)	0.0009	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Selenium (total)	0.033	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	nam7-2021/04/30	jdb5-2021/05/05
Nitrate-nitrogen	< 2	mg/L	2.0	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/05
Sulfate	1900	mg/L	100	EPA 300.0	mgn8-2021/05/03	jdb5-2021/05/05
Fluoride	< 10	mg/L	10.0	EPA 300.0	mgn8-2021/05/03	jdb5-2021/05/05
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	jmw0-2021/05/06	kkh9-2021/05/06
Arsenic (total)	0.0350	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Total dissolved solids	26100	mg/L	10	SM 2540 C-(1997)	Mmg9-2021/05/04	jdb5-2021/05/05

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REPORT NUMBER

**21-131-4139**

REPORT DATE  
**May 11, 2021**

RECEIVED DATE  
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SEND TO  
**59065**



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ISSUE DATE  
**May 11, 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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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,  
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**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>J737</b>	Lab Number: <b>8901196</b>	Date Sampled: <b>2021-04-27 0914</b>				
Calcium (total)	293	ppm	0.10	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Magnesium (total)	799	ppm	0.10	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
pH	7.39	S.U.	0.10	SM 4500-H+ B-(2011)	jsa6-2021/05/04	jdb5-2021/05/05
Conductivity	37.6	mS/cm	0.002	SM 2510 B-(1997)	jsa6-2021/05/04	jdb5-2021/05/05
Sodium absorption ratio	47.6	None	0.1	Calculation	Auto-2021/05/06	Auto-2021/05/11
Phosphorus (total)	0.13	ppm	0.05	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Potassium (total)	247	ppm	0.50	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Bicarbonate as CaCO <sub>3</sub>	125	ppm	10	SM 2320 B-(1997)	mgn8-2021/05/05	lma2-2021/05/06
Chloride	14800	ppm	500	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/05
Boron (total)	3.05	ppm	0.05	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Iron (total)	1.15	ppm	0.05	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Manganese (total)	0.014	ppm	0.005	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Zinc (total)	< 0.01	ppm	0.01	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Carbonate as CaCO <sub>3</sub>	< 0.5	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/05/05	lma2-2021/05/06
Nickel (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Sodium (total)	6980	mg/L	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Beryllium (total)	< 0.0005	mg/L	0.0005	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Antimony (total)	0.0007	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Barium (total)	0.009	mg/L	0.005	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11

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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: J737</b>	Lab Number: 8901196 (con't)					
Cadmium (total)	< 0.002	mg/L	0.002	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Chromium (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Copper (total)	< 0.01	mg/L	0.01	EPA 200.7	ery3-2021/05/04	kkh9-2021/05/11
Lead (total)	0.0011	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Selenium (total)	0.037	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	nam7-2021/04/30	jdb5-2021/05/05
Nitrate-nitrogen	< 2	mg/L	2.0	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/05
Sulfate	2040	mg/L	100	EPA 300.0	mgn8-2021/05/03	jdb5-2021/05/05
Fluoride	< 10	mg/L	10.0	EPA 300.0	mgn8-2021/05/03	jdb5-2021/05/05
Mercury (total)	< 0.0004	mg/L	0.0004	EPA 245.1	jmw0-2021/05/06	kkh9-2021/05/06
Arsenic (total)	0.0386	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Total dissolved solids	27700	mg/L	10	SM 2540 C-(1997)	Mmg9-2021/05/04	jdb5-2021/05/05

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REPORT NUMBER

**21-131-4138**

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**Apr 30, 2021**

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**REPORT OF ANALYSIS**

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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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For questions please contact:

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

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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: T383	Lab Number: 8902005	Date Sampled: 2021-04-27 0900				
Calcium (total)	357	ppm	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Magnesium (total)	1010	ppm	0.10	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
pH	8.00	S.U.	0.10	SM 4500-H+ B-(2011)	jsa6-2021/05/04	jdb5-2021/05/07
Conductivity	47.1	mS/cm	0.002	SM 2510 B-(1997)	jsa6-2021/05/04	jdb5-2021/05/07
Sodium absorption ratio	59.4	None	0.1	Calculation	Auto-2021/05/10	Auto-2021/05/12
Phosphorus (total)	0.35	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Potassium (total)	324	ppm	0.50	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Bicarbonate as CaCO <sub>3</sub>	126	ppm	10	SM 2320 B-(1997)	mgn8-2021/05/06	jdb5-2021/05/07
Chloride	19300	ppm	500	EPA 300.0	mgn8-2021/05/04	jdb5-2021/05/07
Boron (total)	3.87	ppm	0.05	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Iron (total)	0.29	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>	1.2	ppm	0.5	SM 2320 B-(1997)	mgn8-2021/05/06	jdb5-2021/05/07
Nickel (total)	0.02	mg/L	0.01	EPA 200.7	ery3-2021/05/05	kkh9-2021/05/11
Sodium (total)	9760	mg/L	0.10	EPA 200.7	ery3-2021/05/07	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)	0.0007	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Barium (total)	0.006	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: T383</b>	Lab Number: 8902005 (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)	0.032	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	2630	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)	0.0486	mg/L	0.0005	EPA 200.8	ras7-2021/05/11	kkh9-2021/05/11
Total dissolved solids	33300	mg/L	10	SM 2540 C-(1997)	jsp9-2021/05/12	mgn8-2021/05/12

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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**

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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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kstanek@midwestlabs.com (402)590-2982

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