

November 18, 2020

Jason Tomassetti
City of Marco Island
50 Bald Eagle Drive
Marco Island, FL 34145

RE: Workorder: F2004497 MARCO ISLAND

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, October 22, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Josh Snead - Laboratory Manager
JSnead@aellab.com

Enclosures

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SAMPLE SUMMARY

Workorder: F2004497 MARCO ISLAND

Lab ID	Sample ID	Matrix	Date Collected	Date Received
F2004497001	BARFIELD_BRIDGE	Water	10/22/2020 09:45	10/22/2020 15:30
F2004497002	JH_PARK	Water	10/22/2020 10:28	10/22/2020 15:30
F2004497003	COLLIER_BRIDGE	Water	10/22/2020 11:05	10/22/2020 15:30
F2004497004	HC_CENTER	Water	10/22/2020 11:21	10/22/2020 15:30
F2004497005	KENDALL	Water	10/22/2020 10:45	10/22/2020 15:30
F2004497006	OLDE_MARCO	Water	10/22/2020 10:07	10/22/2020 15:30
F2004497007	WINDMILL	Water	10/22/2020 13:48	10/22/2020 15:30
F2004497008	HOLLYHOCK	Water	10/22/2020 13:35	10/22/2020 15:30
F2004497009	HUMMINGBIRD	Water	10/22/2020 14:05	10/22/2020 15:30
F2004497010	MCILVAINE	Water	10/22/2020 13:13	10/22/2020 15:30
F2004497011	E_WINTERBERRY_BRIDGE	Water	10/22/2020 12:55	10/22/2020 15:30
F2004497012	W_WINTERBERRY_BRIDGE	Water	10/22/2020 12:15	10/22/2020 15:30
F2004497013	SWALLOW	Water	10/22/2020 12:35	10/22/2020 15:30
F2004497014	LANDMARK	Water	10/22/2020 11:45	10/22/2020 15:30
F2004497015	LANDMARK DUP	Water	10/22/2020 11:48	10/22/2020 15:30
F2004497016	FIELD BLANK	Water	10/22/2020 14:00	10/22/2020 15:30
F2004497017	EQUIPMENT BLANK	Water	10/22/2020 14:15	10/22/2020 15:30

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497001** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **BARFIELD_BRIDGE** Date Collected: 10/22/20 09:45

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.35	I	mg/L	1	1.0	0.20	11/6/2020 13:48	G
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	1.2		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.33	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin, SM10200H, W			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low- Level, SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.018		mg/L	1	0.010	0.0060	10/23/2020 16:05	T
Nitrate + Nitrite	0.024		mg/L	1	0.020	0.010	10/23/2020 16:05	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:05	T
WET CHEMISTRY								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			10/22/2020 09:45	F^
Secchi Disc	1.71		meters	1			10/22/2020 09:45	F^
Total Depth	1.95		meters	1			10/22/2020 09:45	F^

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497001** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **BARFIELD_BRIDGE** Date Collected: 10/22/20 09:45

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50942		umhos/cm	1			10/22/2020 09:45	F^
DO Saturation %	55		%	1			10/22/2020 09:45	F^
Dissolved Oxygen	3.8		mg/L	1			10/22/2020 09:45	F^
Salinity	33.38		ppt	1			10/22/2020 09:45	F^
Temperature	26.4		°C	1			10/22/2020 09:45	F^
pH	9.13		SU	1			10/22/2020 09:45	F^

Lab ID: **F2004497002** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **JH_PARK** Date Collected: 10/22/20 10:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.45	I	mg/L	1	1.0	0.20	11/6/2020 13:54	G
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.77		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.43	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.018		mg/L	1	0.01	0.005	10/29/2020 11:37	G

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497002**

Date Received: 10/22/20 15:30 Matrix: Water

Sample ID: **JH_PARK**

Date Collected: 10/22/20 10:28

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: ChlorA+Pheophytin,SM10200H,W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	7.2		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.013		mg/L	1	0.010	0.0060	10/23/2020 16:08	T
Nitrate + Nitrite	0.022		mg/L	1	0.020	0.010	10/23/2020 16:08	T
Nitrite (as N)	0.0090	I	mg/L	1	0.010	0.0080	10/23/2020 16:08	T

WET CHEMISTRY

Analysis Desc: FIELD - Sample Depth

Analytical Method: DISRES

Parameters	Results	Qual	Units	DF	Analyzed	Lab
Sample Depth	0.3		meters	1	10/22/2020 10:28	F^
Secchi Disc	2.07		meters	1	10/22/2020 10:28	F^
Total Depth	2.32		meters	1	10/22/2020 10:28	F^

Analysis Desc: Data entry of field measurements

Analytical Method: Field Measurements

Parameters	Results	Qual	Units	DF	Analyzed	Lab
Conductivity	49500		umhos/cm	1	10/22/2020 10:28	F^
DO Saturation %	58.2		%	1	10/22/2020 10:28	F^
Dissolved Oxygen	3.99		mg/L	1	10/22/2020 10:28	F^
Salinity	32.29		ppt	1	10/22/2020 10:28	F^
Temperature	27.1		°C	1	10/22/2020 10:28	F^
pH	8.15		SU	1	10/22/2020 10:28	F^

Lab ID: **F2004497003**

Date Received: 10/22/20 15:30 Matrix: Water

Sample ID: **COLLIER_BRIDGE**

Date Collected: 10/22/20 11:05

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497003** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **COLLIER_BRIDGE** Date Collected: 10/22/20 11:05

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.40	I	mg/L	1	1.0	0.20	11/6/2020 14:00	G
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.43		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.38	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin, SM10200H, W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	5.6		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.010		mg/L	1	0.010	0.0060	10/23/2020 16:08	T
Nitrate + Nitrite	0.013	I	mg/L	1	0.020	0.010	10/23/2020 16:08	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:08	T
WET CHEMISTRY								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 11:05	F^
Secchi Disc	2.19		meters	1			10/22/2020 11:05	F^
Total Depth	2.19		meters	1			10/22/2020 11:05	F^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	48051		umhos/cm	1			10/22/2020 11:05	F^
DO Saturation %	55.6		%	1			10/22/2020 11:05	F^
Dissolved Oxygen	3.54		mg/L	1			10/22/2020 11:05	F^
Salinity	31.98		ppt	1			10/22/2020 11:05	F^
Temperature	27.2		°C	1			10/22/2020 11:05	F^

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497003**
Sample ID: **COLLIER_BRIDGE**

Date Received: 10/22/20 15:30 Matrix: Water
Date Collected: 10/22/20 11:05

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
pH	8.11		SU	1			10/22/2020 11:05	F^

Lab ID: **F2004497004**
Sample ID: **HC_CENTER**

Date Received: 10/22/20 15:30 Matrix: Water
Date Collected: 10/22/20 11:21

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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Microbiology

Analysis Desc: Enterococcus w/MICRO-
QT Prep,Water Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F
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Analysis Desc: TKN,E351.2,Water Preparation Method: Copper Sulfate Digestion
Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.38	I,J4	mg/L	1	1.0	0.20	11/5/2020 14:16	G
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WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water Analytical Method: Calculation

Total Nitrogen	0.40	I	mg/L	1	1.0	0.20	11/6/2020 14:09	G
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Analysis Desc: Turbidity,E180.1,Water Analytical Method: EPA 180.1

Turbidity	0.60		NTU	1	0.10	0.10	10/12/2020 10:45	F
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Analysis Desc: Total Phosphorus,E365.3,Analysis Preparation Method: EPA 365.3
Analytical Method: EPA 365.3

Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G
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Analysis Desc: ChlorA+Pheophytin,SM10200H,W Analytical Method: SM 10200 H

Corrected Chlorophyll A	5.6		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	3.9		mg/m3	1	3.0	2.5	11/5/2020 13:00	G

Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F Analytical Method: SM 4500NO3-F (Low Level)

Nitrate (as N)	0.014		mg/L	1	0.010	0.0060	10/23/2020 16:09	T
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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497004** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **HC_CENTER** Date Collected: 10/22/20 11:21

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrate + Nitrite	0.016	I	mg/L	1	0.020	0.010	10/23/2020 16:09	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:09	T

WET CHEMISTRY

Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES			
Sample Depth	0.3	meters	1	10/22/2020 11:21	F [^]
Secchi Disc	1.77	meters	1	10/22/2020 11:21	F [^]
Total Depth	1.77	meters	1	10/22/2020 11:21	F [^]

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements			
Conductivity	49143	umhos/cm	1	10/22/2020 11:21	F [^]
DO Saturation %	44.4	%	1	10/22/2020 11:21	F [^]
Dissolved Oxygen	2.9	mg/L	1	10/22/2020 11:21	F [^]
Salinity	32.05	ppt	1	10/22/2020 11:21	F [^]
Temperature	27.4	°C	1	10/22/2020 11:21	F [^]
pH	8.12	SU	1	10/22/2020 11:21	F [^]

Lab ID: **F2004497005** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **KENDALL** Date Collected: 10/22/20 10:45

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.37	I	mg/L	1	1.0	0.20	11/6/2020 14:13	G

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1					
Turbidity	0.58	NTU	1	0.10	0.10	10/12/2020 10:45	F

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497005**

Date Received: 10/22/20 15:30 Matrix: Water

Sample ID: **KENDALL**

Date Collected: 10/22/20 10:45

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.37	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.009	I	mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin,SM10200H,W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.8		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0060	U	mg/L	1	0.010	0.0060	10/23/2020 16:10	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	10/23/2020 16:10	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:10	T

WET CHEMISTRY

Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 10:45	F^
Secchi Disc	2.8		meters	1			10/22/2020 10:45	F^
Total Depth	2.8		meters	1			10/22/2020 10:45	F^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	48958		umhos/cm	1			10/22/2020 10:45	F^
DO Saturation %	53.2		%	1			10/22/2020 10:45	F^
Dissolved Oxygen	3.66		mg/L	1			10/22/2020 10:45	F^
Salinity	31.91		ppt	1			10/22/2020 10:45	F^
Temperature	27.3		°C	1			10/22/2020 10:45	F^
pH	8.2		SU	1			10/22/2020 10:45	F^

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497006** Date Received: 10/22/20 15:30 Matrix: Water
Sample ID: **OLDE_MARCO** Date Collected: 10/22/20 10:07

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.33	I	mg/L	1	1.0	0.20	11/6/2020 14:16	G
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.87		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.32	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.016		mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin,SM10200H,W			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low- Level,SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.0060	I	mg/L	1	0.010	0.0060	10/23/2020 16:11	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	10/23/2020 16:11	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:11	T
WET CHEMISTRY								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			10/22/2020 10:07	F^
Secchi Disc	1.52		meters	1			10/22/2020 10:07	F^
Total Depth	1.71		meters	1			10/22/2020 10:07	F^

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497006** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **OLDE_MARCO** Date Collected: 10/22/20 10:07

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	51502		umhos/cm	1			10/22/2020 10:07	F^
DO Saturation %	52.5		%	1			10/22/2020 10:07	F^
Dissolved Oxygen	3.63		mg/L	1			10/22/2020 10:07	F^
Salinity	33.81		ppt	1			10/22/2020 10:07	F^
Temperature	26.2		°C	1			10/22/2020 10:07	F^
pH	8.22		SU	1			10/22/2020 10:07	F^

Lab ID: **F2004497007** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **WINDMILL** Date Collected: 10/22/20 13:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.42	I	mg/L	1	1.0	0.20	11/6/2020 14:18	G
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.99		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.40	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497007** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **WINDMILL** Date Collected: 10/22/20 13:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: ChlorA+Pheophytin,SM10200H,W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	6.4		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.018		mg/L	1	0.010	0.0060	10/23/2020 16:11	T
Nitrate + Nitrite	0.023		mg/L	1	0.020	0.010	10/23/2020 16:11	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:11	T

WET CHEMISTRY

Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 13:48	F^
Secchi Disc	1.52		meters	1			10/22/2020 13:48	F^
Total Depth	1.52		meters	1			10/22/2020 13:48	F^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	49714		umhos/cm	1			10/22/2020 13:48	F^
DO Saturation %	53.4		%	1			10/22/2020 13:48	F^
Dissolved Oxygen	3.5		mg/L	1			10/22/2020 13:48	F^
Salinity	32.47		ppt	1			10/22/2020 13:48	F^
Temperature	27		°C	1			10/22/2020 13:48	F^
pH	8.11		SU	1			10/22/2020 13:48	F^

Lab ID: **F2004497008** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **HOLLYHOCK** Date Collected: 10/22/20 13:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497008** Date Received: 10/22/20 15:30 Matrix: Water
Sample ID: **HOLLYHOCK** Date Collected: 10/22/20 13:35

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.42	1	mg/L	1	1.0	0.20	11/6/2020 14:20	G
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.86		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.39	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin, SM10200H, W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	7.2		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.022		mg/L	1	0.010	0.0060	10/23/2020 16:12	T
Nitrate + Nitrite	0.026		mg/L	1	0.020	0.010	10/23/2020 16:12	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:12	T
WET CHEMISTRY								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 13:35	F^
Secchi Disc	1.4		meters	1			10/22/2020 13:35	F^
Total Depth	1.4		meters	1			10/22/2020 13:35	F^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	49836		umhos/cm	1			10/22/2020 13:35	F^
DO Saturation %	55.3		%	1			10/22/2020 13:35	F^
Dissolved Oxygen	3.8		mg/L	1			10/22/2020 13:35	F^
Salinity	32.55		ppt	1			10/22/2020 13:35	F^
Temperature	27.4		°C	1			10/22/2020 13:35	F^

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497008**
Sample ID: **HOLLYHOCK**

Date Received: 10/22/20 15:30 Matrix: Water
Date Collected: 10/22/20 13:35

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
pH	8.05		SU	1			10/22/2020 13:35	F^

Lab ID: **F2004497009**
Sample ID: **HUMMINGBIRD**

Date Received: 10/22/20 15:30 Matrix: Water
Date Collected: 10/22/20 14:05

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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Microbiology

Analysis Desc: Enterococcus w/MICRO-
QT Prep,Water Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F
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WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water Analytical Method: Calculation

Total Nitrogen	0.38	I	mg/L	1	1.0	0.20	11/6/2020 14:23	G
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	0.61		NTU	1	0.10	0.10	10/12/2020 10:45	F
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Analysis Desc: TKN, E351.2, Water Preparation Method: Copper Sulfate Digestion
Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.36	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
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Analysis Desc: Total Phosphorus, E365.3, Analysis Preparation Method: EPA 365.3
Analytical Method: EPA 365.3

Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G
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Analysis Desc: ChlorA+Pheophytin, SM10200H, W Analytical Method: SM 10200 H

Corrected Chlorophyll A	4.8		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G

Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F Analytical Method: SM 4500NO3-F (Low Level)

Nitrate (as N)	0.021		mg/L	1	0.010	0.0060	10/23/2020 16:13	T
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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497009** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 10/22/20 14:05

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrate + Nitrite	0.026		mg/L	1	0.020	0.010	10/23/2020 16:13	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:13	T

WET CHEMISTRY

Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 14:05	F [^]
Secchi Disc	1.37		meters	1			10/22/2020 14:05	F [^]
Total Depth	1.37		meters	1			10/22/2020 14:05	F [^]

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	49484		umhos/cm	1			10/22/2020 14:05	F [^]
DO Saturation %	47.2		%	1			10/22/2020 14:05	F [^]
Dissolved Oxygen	3		mg/L	1			10/22/2020 14:05	F [^]
Salinity	32.29		ppt	1			10/22/2020 14:05	F [^]
Temperature	27.8		°C	1			10/22/2020 14:05	F [^]
pH	8.11		SU	1			10/22/2020 14:05	F [^]

Lab ID: **F2004497010** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **MCILVAINE** Date Collected: 10/22/20 13:13

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.36	I	mg/L	1	1.0	0.20	11/6/2020 14:25	G

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	1.4		NTU	1	0.10	0.10	10/12/2020 10:45	F

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497010**
Sample ID: **MCILVAINE**

Date Received: 10/22/20 15:30 Matrix: Water
Date Collected: 10/22/20 13:13

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.34	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.006	I	mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin,SM10200H,W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.018	J4	mg/L	1	0.010	0.0060	10/23/2020 16:19	T
Nitrate + Nitrite	0.022	J4	mg/L	1	0.020	0.010	10/23/2020 16:19	T
Nitrite (as N)	0.0080	U,J4	mg/L	1	0.010	0.0080	10/23/2020 16:19	T

WET CHEMISTRY

Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 13:13	F^
Secchi Disc	1.37		meters	1			10/22/2020 13:13	F^
Total Depth	1.52		meters	1			10/22/2020 13:13	F^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	51458		umhos/cm	1			10/22/2020 13:13	F^
DO Saturation %	48.1		%	1			10/22/2020 13:13	F^
Dissolved Oxygen	3.18		mg/L	1			10/22/2020 13:13	F^
Salinity	33.76		ppt	1			10/22/2020 13:13	F^
Temperature	26.9		°C	1			10/22/2020 13:13	F^
pH	8.17		SU	1			10/22/2020 13:13	F^

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497011** Date Received: 10/22/20 15:30 Matrix: Water
Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 10/22/20 12:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.40	I	mg/L	1	1.0	0.20	11/6/2020 14:27	G
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.98		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.37	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.014		mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin,SM10200H,W			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low- Level,SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.023		mg/L	1	0.010	0.0060	10/23/2020 16:21	T
Nitrate + Nitrite	0.028		mg/L	1	0.020	0.010	10/23/2020 16:21	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:21	T
WET CHEMISTRY								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			10/22/2020 12:55	F^
Secchi Disc	2.59		meters	1			10/22/2020 12:55	F^
Total Depth	2.9		meters	1			10/22/2020 12:55	F^

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497011** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 10/22/20 12:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50524		umhos/cm	1			10/22/2020 12:55	F^
DO Saturation %	44.3		%	1			10/22/2020 12:55	F^
Dissolved Oxygen	2.82		mg/L	1			10/22/2020 12:55	F^
Salinity	33.08		ppt	1			10/22/2020 12:55	F^
Temperature	27.3		°C	1			10/22/2020 12:55	F^
pH	8.12		SU	1			10/22/2020 12:55	F^

Lab ID: **F2004497012** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 10/22/20 12:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.36	I	mg/L	1	1.0	0.20	11/6/2020 14:29	G
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.65		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.34	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.108		mg/L	1	0.01	0.005	10/29/2020 11:37	G

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497012** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 10/22/20 12:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: ChlorA+Pheophytin,SM10200H,W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	5.6		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.019		mg/L	1	0.010	0.0060	10/23/2020 16:22	T
Nitrate + Nitrite	0.021		mg/L	1	0.020	0.010	10/23/2020 16:22	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:22	T

WET CHEMISTRY

Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 12:15	F^
Secchi Disc	3.84		meters	1			10/22/2020 12:15	F^
Total Depth	4.27		meters	1			10/22/2020 12:15	F^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50763		umhos/cm	1			10/22/2020 12:15	F^
DO Saturation %	57.2		%	1			10/22/2020 12:15	F^
Dissolved Oxygen	4.63		mg/L	1			10/22/2020 12:15	F^
Salinity	33.21		ppt	1			10/22/2020 12:15	F^
Temperature	25.7		°C	1			10/22/2020 12:15	F^
pH	8.12		SU	1			10/22/2020 12:15	F^

Lab ID: **F2004497013** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 10/22/20 12:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497013** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 10/22/20 12:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.41	I	mg/L	1	1.0	0.20	11/6/2020 14:35	G
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	1.1		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water			Preparation Method: Copper Sulfate Digestion					
			Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.38	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis			Preparation Method: EPA 365.3					
			Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin, SM10200H, W			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.025		mg/L	1	0.010	0.0060	10/23/2020 16:23	T
Nitrate + Nitrite	0.028		mg/L	1	0.020	0.010	10/23/2020 16:23	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:23	T
WET CHEMISTRY								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			10/22/2020 12:35	F^
Secchi Disc	1.83		meters	1			10/22/2020 12:35	F^
Total Depth	1.83		meters	1			10/22/2020 12:35	F^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	46065		umhos/cm	1			10/22/2020 12:35	F^
DO Saturation %	57.7		%	1			10/22/2020 12:35	F^
Dissolved Oxygen	3.75		mg/L	1			10/22/2020 12:35	F^
Salinity	29.83		ppt	1			10/22/2020 12:35	F^
Temperature	26.2		°C	1			10/22/2020 12:35	F^

Report ID: 1004564

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497013**
 Sample ID: **SWALLOW**

Date Received: 10/22/20 15:30 Matrix: Water
 Date Collected: 10/22/20 12:35

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
pH	8.2		SU	1			10/22/2020 12:35	F^

Lab ID: **F2004497014**
 Sample ID: **LANDMARK**

Date Received: 10/22/20 15:30 Matrix: Water
 Date Collected: 10/22/20 11:45

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.67	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G

WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation						
Total Nitrogen	0.71	I	mg/L	1	1.0	0.20	11/6/2020 14:38	G

Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	0.92		NTU	1	0.10	0.10	10/12/2020 10:45	F

Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.148		mg/L	1	0.01	0.005	10/29/2020 11:37	G

Analysis Desc: ChlorA+Pheophytin,SM10200H,W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	3.2		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G

Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.030		mg/L	1	0.010	0.0060	10/23/2020 16:23	T

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497014** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **LANDMARK** Date Collected: 10/22/20 11:45

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrate + Nitrite	0.037		mg/L	1	0.020	0.010	10/23/2020 16:23	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:23	T

WET CHEMISTRY

Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 11:45	F^
Secchi Disc	1.77		meters	1			10/22/2020 11:45	F^
Total Depth	1.77		meters	1			10/22/2020 11:45	F^

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50589		umhos/cm	1			10/22/2020 11:45	F^
DO Saturation %	37.8		%	1			10/22/2020 11:45	F^
Dissolved Oxygen	2.46		mg/L	1			10/22/2020 11:45	F^
Salinity	33.1		ppt	1			10/22/2020 11:45	F^
Temperature	27.7		°C	1			10/22/2020 11:45	F^
pH	8.02		SU	1			10/22/2020 11:45	F^

Lab ID: **F2004497015** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **LANDMARK DUP** Date Collected: 10/22/20 11:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			10/22/2020 11:48	F^
Secchi Disc	1.77		meters	1			10/22/2020 11:48	F^
Total Depth	1.77		meters	1			10/22/2020 11:48	F^

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50596		umhos/cm	1			10/22/2020 11:48	F^
DO Saturation %	38.2		%	1			10/22/2020 11:48	F^
Dissolved Oxygen	2.52		mg/L	1			10/22/2020 11:48	F^
Salinity	33.17		ppt	1			10/22/2020 11:48	F^
Temperature	27.7		°C	1			10/22/2020 11:48	F^

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497015** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **LANDMARK DUP** Date Collected: 10/22/20 11:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
pH	8.02		SU	1			10/22/2020 11:48	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	50	U	MPN/100 mL	50	50	50	10/22/2020 16:49	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.59	I	mg/L	1	1.0	0.20	11/6/2020 14:42	G

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.93		NTU	1	0.10	0.10	10/12/2020 10:45	F

Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.58	I	mg/L	1	1.0	0.20	11/5/2020 14:16	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.042		mg/L	1	0.01	0.005	10/29/2020 11:37	G

Analysis Desc: ChlorA+Pheophytin, SM10200H, W		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	8.8		mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G

Analysis Desc: Nitrate+Nitrite Low- Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.012		mg/L	1	0.010	0.0060	10/23/2020 16:24	T
Nitrate + Nitrite	0.015	I	mg/L	1	0.020	0.010	10/23/2020 16:24	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:24	T

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497016** Date Received: 10/22/20 15:30 Matrix: Water
 Sample ID: **FIELD BLANK** Date Collected: 10/22/20 14:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	1	U	MPN/100 mL	1	1	1	10/22/2020 16:49	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.20	U	mg/L	1	1.0	0.20	11/6/2020 14:47	G
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	0.12		NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.20	U	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin, SM10200H, W			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low- Level, SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.029		mg/L	1	0.010	0.0060	10/23/2020 16:05	T
Nitrate + Nitrite	0.031		mg/L	1	0.020	0.010	10/23/2020 16:05	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:05	T

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ANALYTICAL RESULTS

Workorder: F2004497 MARCO ISLAND

Lab ID: **F2004497017** Date Received: 10/22/20 15:30 Matrix: Water
Sample ID: **EQUIPMENT BLANK** Date Collected: 10/22/20 14:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	1	U	MPN/100 mL	1	1	1	10/22/2020 16:49	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.20	U	mg/L	1	1.0	0.20	11/6/2020 14:47	G
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	0.10	U	NTU	1	0.10	0.10	10/12/2020 10:45	F
Analysis Desc: TKN, E351.2, Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.20	U	mg/L	1	1.0	0.20	11/5/2020 14:16	G
Analysis Desc: Total Phosphorus, E365.3, Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	10/29/2020 11:37	G
Analysis Desc: ChlorA+Pheophytin, SM10200H, W			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	11/5/2020 13:00	G
Analysis Desc: Nitrate+Nitrite Low- Level, SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.0060	U	mg/L	1	0.010	0.0060	10/23/2020 16:18	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	10/23/2020 16:18	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	10/23/2020 16:18	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: F2004497 MARCO ISLAND

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J4 Estimated Result
- * Chlorophyll A SAMPLES 1-17 FILTERED: 10/23/2020 14:18

LAB QUALIFIERS

- F DOH Certification #E84492(AEL-F)(FL NELAC Certification)
- F^ Not Certified
- G DOH Certification #E82001(AEL-G)(FL NELAC Certification)
- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: F2004497 MARCO ISLAND

QC Batch: WCAf/1698 Analysis Method: EPA 180.1
QC Batch Method: EPA 180.1 Prepared:
Associated Lab Samples: F2004497001, F2004497002, F2004497003, F2004497004, F2004497005, F2004497006, F2004497007,

METHOD BLANK: 3660329

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Turbidity	NTU	0.10	0.10 U

QC Batch: MICf/1415 Analysis Method: ENTEROLERT/ QUANTI-TRAY
QC Batch Method: ENTEROLERT/ QUANTI-TRAY Prepared:
Associated Lab Samples: F2004497001, F2004497002, F2004497003, F2004497004, F2004497005, F2004497006, F2004497007,

METHOD BLANK: 3660643

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology			
Enterococcus	MPN/100	1	1 U

QC Batch: WCAg/4584 Analysis Method: EPA 365.3
QC Batch Method: EPA 365.3 Prepared: 10/29/2020 11:37
Associated Lab Samples: F2004497001, F2004497002, F2004497003, F2004497004, F2004497005, F2004497006, F2004497007,

METHOD BLANK: 3665931

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Phosphorus (as P)	mg/L	0.005	0.005 U

QC Batch: WCAg/4585 Analysis Method: EPA 365.3
QC Batch Method: EPA 365.3 Prepared: 10/29/2020 11:37
Associated Lab Samples: F2004497013, F2004497014, F2004497015, F2004497016, F2004497017

METHOD BLANK: 3665936

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			

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QUALITY CONTROL DATA

Workorder: F2004497 MARCO ISLAND

METHOD BLANK: 3665936

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Total Phosphorus (as P)	mg/L	0.005	0.005 U

QC Batch: WCAI/7385 Analysis Method: SM 4500NO3-F (Low Level)
 QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
 Associated Lab Samples: F2004497001, F2004497002, F2004497003, F2004497004, F2004497005, F2004497006, F2004497007,

METHOD BLANK: 3670451

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Nitrite (as N)	mg/L	0.0080	0.0080 U
Nitrate (as N)	mg/L	0.0060	0.0060 U
Nitrate + Nitrite	mg/L	0.010	0.010 U

QC Batch: WCAI/7386 Analysis Method: SM 4500NO3-F (Low Level)
 QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
 Associated Lab Samples: F2004497010, F2004497011, F2004497012, F2004497013, F2004497014, F2004497015, F2004497017

METHOD BLANK: 3670459

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Nitrite (as N)	mg/L	0.0080	0.0080 U
Nitrate (as N)	mg/L	0.0060	0.0060 U
Nitrate + Nitrite	mg/L	0.010	0.010 U

QC Batch: WCAg/4653 Analysis Method: EPA 351.2
 QC Batch Method: Copper Sulfate Digestion Prepared: 11/03/2020 16:55
 Associated Lab Samples: F2004497001, F2004497002, F2004497003, F2004497004

METHOD BLANK: 3671729

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Kjeldahl Nitrogen	mg/L	0.40	0.40 U

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QUALITY CONTROL DATA

Workorder: F2004497 MARCO ISLAND

QC Batch: WCAg/4654 Analysis Method: EPA 351.2
 QC Batch Method: Copper Sulfate Digestion Prepared: 11/03/2020 16:55
 Associated Lab Samples: F2004497005, F2004497006, F2004497007, F2004497008, F2004497009, F2004497010, F2004497011,

METHOD BLANK: 3671822

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Kjeldahl Nitrogen	mg/L	0.40	0.40 U

QC Batch: WCAg/4678 Analysis Method: SM 10200 H
 QC Batch Method: SM 10200 H Prepared:
 Associated Lab Samples: F2004497001, F2004497002, F2004497003, F2004497004, F2004497005, F2004497006, F2004497007,

METHOD BLANK: 3674277

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Corrected Chlorophyll A	mg/m3	2.5	2.5 U
Pheophytin A	mg/m3	2.5	2.5 U

QUALITY CONTROL DATA QUALIFIERS

Workorder: F2004497 MARCO ISLAND

QUALITY CONTROL PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J4 Estimated Result

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2004497 MARCO ISLAND

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2004497001	BARFIELD_BRIDGE			EPA 180.1	WCAf/1698
F2004497002	JH_PARK			EPA 180.1	WCAf/1698
F2004497003	COLLIER_BRIDGE			EPA 180.1	WCAf/1698
F2004497004	HC_CENTER			EPA 180.1	WCAf/1698
F2004497005	KENDALL			EPA 180.1	WCAf/1698
F2004497006	OLDE_MARCO			EPA 180.1	WCAf/1698
F2004497007	WINDMILL			EPA 180.1	WCAf/1698
F2004497008	HOLLYHOCK			EPA 180.1	WCAf/1698
F2004497009	HUMMINGBIRD			EPA 180.1	WCAf/1698
F2004497010	MCILVAINE			EPA 180.1	WCAf/1698
F2004497011	E_WINTERBERRY_BRIDGE			EPA 180.1	WCAf/1698
F2004497012	W_WINTERBERRY_BRIDGE			EPA 180.1	WCAf/1698
F2004497013	SWALLOW			EPA 180.1	WCAf/1698
F2004497014	LANDMARK			EPA 180.1	WCAf/1698
F2004497015	LANDMARK DUP			EPA 180.1	WCAf/1698
F2004497016	FIELD BLANK			EPA 180.1	WCAf/1698
F2004497017	EQUIPMENT BLANK			EPA 180.1	WCAf/1698
F2004497001	BARFIELD_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497002	JH_PARK			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497003	COLLIER_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497004	HC_CENTER			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497005	KENDALL			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497006	OLDE_MARCO			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497007	WINDMILL			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497008	HOLLYHOCK			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497009	HUMMINGBIRD			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497010	MCILVAINE			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497011	E_WINTERBERRY_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497012	W_WINTERBERRY_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1415

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2004497 MARCO ISLAND

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2004497013	SWALLOW			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497014	LANDMARK			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497015	LANDMARK DUP			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497016	FIELD BLANK			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497017	EQUIPMENT BLANK			ENTEROLERT/ QUANTI-TRAY	MICf/1415
F2004497001	BARFIELD_BRIDGE	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497002	JH_PARK	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497003	COLLIER_BRIDGE	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497004	HC_CENTER	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497005	KENDALL	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497006	OLDE_MARCO	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497007	WINDMILL	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497008	HOLLYHOCK	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497009	HUMMINGBIRD	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497010	MCILVAINE	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497011	E_WINTERBERRY_BRIDGE	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497012	W_WINTERBERRY_BRIDGE	EPA 365.3	WCAg/4584	EPA 365.3	WCAg/4586
F2004497013	SWALLOW	EPA 365.3	WCAg/4585	EPA 365.3	WCAg/4587
F2004497014	LANDMARK	EPA 365.3	WCAg/4585	EPA 365.3	WCAg/4587
F2004497015	LANDMARK DUP	EPA 365.3	WCAg/4585	EPA 365.3	WCAg/4587
F2004497016	FIELD BLANK	EPA 365.3	WCAg/4585	EPA 365.3	WCAg/4587
F2004497017	EQUIPMENT BLANK	EPA 365.3	WCAg/4585	EPA 365.3	WCAg/4587
F2004497001	BARFIELD_BRIDGE			SM 4500NO3-F (Low Level)	WCAAt/7385
F2004497002	JH_PARK			SM 4500NO3-F (Low Level)	WCAAt/7385
F2004497003	COLLIER_BRIDGE			SM 4500NO3-F (Low Level)	WCAAt/7385
F2004497004	HC_CENTER			SM 4500NO3-F (Low Level)	WCAAt/7385
F2004497005	KENDALL			SM 4500NO3-F (Low Level)	WCAAt/7385

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2004497 MARCO ISLAND

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2004497006	OLDE_MARCO			SM 4500NO3-F (Low Level)	WCAt/7385
F2004497007	WINDMILL			SM 4500NO3-F (Low Level)	WCAt/7385
F2004497008	HOLLYHOCK			SM 4500NO3-F (Low Level)	WCAt/7385
F2004497009	HUMMINGBIRD			SM 4500NO3-F (Low Level)	WCAt/7385
F2004497016	FIELD BLANK			SM 4500NO3-F (Low Level)	WCAt/7385
F2004497010	MCILVAINE			SM 4500NO3-F (Low Level)	WCAt/7386
F2004497011	E_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAt/7386
F2004497012	W_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAt/7386
F2004497013	SWALLOW			SM 4500NO3-F (Low Level)	WCAt/7386
F2004497014	LANDMARK			SM 4500NO3-F (Low Level)	WCAt/7386
F2004497015	LANDMARK DUP			SM 4500NO3-F (Low Level)	WCAt/7386
F2004497017	EQUIPMENT BLANK			SM 4500NO3-F (Low Level)	WCAt/7386
F2004497001	BARFIELD_BRIDGE	Copper Sulfate Digestion	WCAG/4653	EPA 351.2	WCAG/4686
F2004497002	JH_PARK	Copper Sulfate Digestion	WCAG/4653	EPA 351.2	WCAG/4686
F2004497003	COLLIER_BRIDGE	Copper Sulfate Digestion	WCAG/4653	EPA 351.2	WCAG/4686
F2004497004	HC_CENTER	Copper Sulfate Digestion	WCAG/4653	EPA 351.2	WCAG/4686
F2004497005	KENDALL	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497006	OLDE_MARCO	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497007	WINDMILL	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497008	HOLLYHOCK	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497009	HUMMINGBIRD	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497010	MCILVAINE	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497011	E_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497012	W_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497013	SWALLOW	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497014	LANDMARK	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497015	LANDMARK DUP	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2004497 MARCO ISLAND

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2004497016	FIELD BLANK	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497017	EQUIPMENT BLANK	Copper Sulfate Digestion	WCAG/4654	EPA 351.2	WCAG/4688
F2004497001	BARFIELD_BRIDGE			SM 10200 H	WCAG/4678
F2004497002	JH_PARK			SM 10200 H	WCAG/4678
F2004497003	COLLIER_BRIDGE			SM 10200 H	WCAG/4678
F2004497004	HC_CENTER			SM 10200 H	WCAG/4678
F2004497005	KENDALL			SM 10200 H	WCAG/4678
F2004497006	OLDE_MARCO			SM 10200 H	WCAG/4678
F2004497007	WINDMILL			SM 10200 H	WCAG/4678
F2004497008	HOLLYHOCK			SM 10200 H	WCAG/4678
F2004497009	HUMMINGBIRD			SM 10200 H	WCAG/4678
F2004497010	MCILVAINE			SM 10200 H	WCAG/4678
F2004497011	E_WINTERBERRY_BRIDGE			SM 10200 H	WCAG/4678
F2004497012	W_WINTERBERRY_BRIDGE			SM 10200 H	WCAG/4678
F2004497013	SWALLOW			SM 10200 H	WCAG/4678
F2004497014	LANDMARK			SM 10200 H	WCAG/4678
F2004497015	LANDMARK DUP			SM 10200 H	WCAG/4678
F2004497016	FIELD BLANK			SM 10200 H	WCAG/4678
F2004497017	EQUIPMENT BLANK			SM 10200 H	WCAG/4678
F2004497001	BARFIELD_BRIDGE	Calculation	CLCg/	Calculation	CLCg/
F2004497001	BARFIELD_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2004497001	BARFIELD_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497002	JH_PARK	Calculation	CLCg/	Calculation	CLCg/
F2004497002	JH_PARK	DISRES	FLDx/	DISRES	FLDx/
F2004497002	JH_PARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497003	COLLIER_BRIDGE	Calculation	CLCg/	Calculation	CLCg/
F2004497003	COLLIER_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2004497003	COLLIER_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497004	HC_CENTER	Calculation	CLCg/	Calculation	CLCg/
F2004497004	HC_CENTER	DISRES	FLDx/	DISRES	FLDx/
F2004497004	HC_CENTER	Field Measurements	FLDf/	Field Measurements	FLDf/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2004497 MARCO ISLAND

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2004497005	KENDALL	Calculation	CLCg/	Calculation	CLCg/
F2004497005	KENDALL	DISRES	FLDx/	DISRES	FLDx/
F2004497005	KENDALL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497006	OLDE_MARCO	Calculation	CLCg/	Calculation	CLCg/
F2004497006	OLDE_MARCO	DISRES	FLDx/	DISRES	FLDx/
F2004497006	OLDE_MARCO	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497007	WINDMILL	Calculation	CLCg/	Calculation	CLCg/
F2004497007	WINDMILL	DISRES	FLDx/	DISRES	FLDx/
F2004497007	WINDMILL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497008	HOLLYHOCK	Calculation	CLCg/	Calculation	CLCg/
F2004497008	HOLLYHOCK	DISRES	FLDx/	DISRES	FLDx/
F2004497008	HOLLYHOCK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497009	HUMMINGBIRD	Calculation	CLCg/	Calculation	CLCg/
F2004497009	HUMMINGBIRD	DISRES	FLDx/	DISRES	FLDx/
F2004497009	HUMMINGBIRD	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497010	MCILVAINE	Calculation	CLCg/	Calculation	CLCg/
F2004497010	MCILVAINE	DISRES	FLDx/	DISRES	FLDx/
F2004497010	MCILVAINE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497011	E_WINTERBERRY_BRIDGE	Calculation	CLCg/	Calculation	CLCg/
F2004497011	E_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2004497011	E_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497012	W_WINTERBERRY_BRIDGE	Calculation	CLCg/	Calculation	CLCg/
F2004497012	W_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2004497012	W_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497013	SWALLOW	Calculation	CLCg/	Calculation	CLCg/
F2004497013	SWALLOW	DISRES	FLDx/	DISRES	FLDx/
F2004497013	SWALLOW	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497014	LANDMARK	Calculation	CLCg/	Calculation	CLCg/
F2004497014	LANDMARK	DISRES	FLDx/	DISRES	FLDx/
F2004497014	LANDMARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2004497015	LANDMARK DUP	Calculation	CLCg/	Calculation	CLCg/
F2004497015	LANDMARK DUP	DISRES	FLDx/	DISRES	FLDx/
F2004497015	LANDMARK DUP	Field Measurements	FLDf/	Field Measurements	FLDf/

Report ID: 1004564

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2004497 MARCO ISLAND

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2004497016	FIELD BLANK	Calculation	CLCg/	Calculation	CLCg/
F2004497017	EQUIPMENT BLANK	Calculation	CLCg/	Calculation	CLCg/

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Queue: WCAg

Batch Number: 4686

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: EPA 351.2

Preparation: Copper Sulfate Digestion

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recoveries of TKN for F2004497004 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. The affected sample is qualified to indicate matrix interference.

E. Serial Dilution: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other: While the lab had been using a statistical study for MDLs for TKN and TN carried out over the course of a full year, historical data and technology allows for a much lower MDL to be reported. AEL has updated their MDLs with more recent data and is now in alignment with historical data and client expectations.



Queue: WCAt

Batch Number: 7386

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SM 4500NO3-F (Low Level)

Preparation: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recovery of Nitrate+Nitrite and NO_x for F2004497010 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:



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Altamonte Springs: 360 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: ES3076
 Fort Myers: 13100 Wendrick Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: ES4492
 Jacksonville: 6681 Southpoint Pkwy., FL 32216 • 904.383.9350 • Lab ID: ES2574
 Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: ES11095

Gainesville: 4565 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: ES2001
 Miramar: 10200 USA Today Way, FL 33025 • 954.889.2208 • Lab ID: ES3335
 Tampa: 9510 Princess Palm Ave., FL 33619 • 813.630.5616 • Lab ID: ES4589

F 2.004497

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Client Name: CITY OF MALEVO ISLANDS		Project Name: Malevo Island Water Quality						
Address: 50 BARD EAGLE DR		Project Number:						
Phone: MALEVO ISLAND, FL 34145		PO Number:						
FAX: 239-300-1412		FDEP Facility No.:						
Contact: TOMIA SELTESKI		FDEP Facility Address:						
Sampled By: JAMES PET AEL		Special Instructions:						
Turn Around Time: <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> RUSH		<input type="checkbox"/> ADAPT <input type="checkbox"/> EQUIS <input type="checkbox"/> Other						
AEL Profile #: 32319		<input type="checkbox"/> Grab Comp <input type="checkbox"/> SAMPLING DATE TIME <input type="checkbox"/> MATRIX NO. COUNT						
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
11	E WINTERBERRY BRIDGE	G	10/29/20 12:05	SW	3	NO2 /NO3 /TURB	250P	011
12	W WINTERBERRY BRIDGE	G	12:15	SW	3	TKN / TN / TP	250P	012
13	SWALLOW	G	12:35	SW	3	CHLOR -A	LPA	013
14	LANDMARK	G	11:45	SW	3	Enter		014
15	LANDMARK DWP	G	11:48	SW	3			015
16	FIELD BLANK	G	14:00	DI	3			016
17	EQUIPMENT BLANK	G	14:15	DI	3			017

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge Preservation Code: I = ice H=(HCl) S=(H2SO4) N=(HNO3) T=(Sodium Thiosulfate)

Received on ice Yes No Temp taken from sample Temp from blank Where required, pH checked

DCN: AD-D051 Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle R temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

1	Relinquished by:	Date	Time	Received by:	Date	Time
2		10/29/20	15:32		10/29/20	15:30
3						
4						

FOR DRINKING WATER USE:

(When PWS information not otherwise supplied) PWS ID: _____ Phone: _____

Contact Person: _____

Supplier of Water: _____

Site Address: _____

ADVANCED ENVIROMENTAL LABORATORIES INC

FIELD YSI MULTI-METER & HACH 2100Q

DAILY CCV FOR FIELD METERS

YSI - METER ID :	F4N	NA	
------------------	-----	----	--

YSI - PROBE ID :	F4N-1		
------------------	-------	--	--

PRE WORK DAY CHECK	DATE:	10/22/2020	TIME:	8:15
--------------------	-------	------------	-------	------

PH 7 BUFFER VALUE :	7.00	+ / - .2 PH UNITS	READING:	7.01
---------------------	------	-------------------	----------	------

PH 7 BUFFER ID :	FR1-23E1	pH 7= -60mV to +60mV	mV READING:	
------------------	----------	----------------------	-------------	--

COND. STAND. VALUE:	1412	+ / - 5% 1341 TO 1483	READING:	1411
---------------------	------	-----------------------	----------	------

COND. STAND. ID:	3F2006-05	
------------------	-----------	--

pH 4 should be at least 165 mV more positive than pH 7 , pH 10 should be at least 165 mV more negative than pH 7

DO TEMP.FROM METER :			READING:	22.3
----------------------	--	--	----------	------

DO MG/L CHART:			READING:	8.67
----------------	--	--	----------	------

DO MG/L FROM METER :			READING:	8.72
----------------------	--	--	----------	------

DO % READING FROM METER:			READING:	23.4
--------------------------	--	--	----------	------

TURBIDITY STD. ID :	10NTU	RANGE (9 - 11)	READING:	NA
---------------------	-------	------------------	----------	----

C.C.V. CHECK DONE BEFORE FIELD USE BY :

POST WORK DAY CHECK	DATE:	10/21/2020	TIME:	16:10
---------------------	-------	------------	-------	-------

PH 7 BUFFER VALUE :	7.00	+ / - .2 PH UNITS	READING:	7.011
---------------------	------	-------------------	----------	-------

PH 7 BUFFER ID :	FR1-23E1	pH 7= -60mV to +60mV	mV READING:	
------------------	----------	----------------------	-------------	--

COND. STAND. VALUE:	1412	+ / - 5% 1341 TO 1483	READING:	1415
---------------------	------	-----------------------	----------	------

COND. STAND. ID:	3F2006-05	
------------------	-----------	--

pH 4 should be at least 165 mV more positive than pH 7 , pH 10 should be at least 165 mV more negative than pH 7

DO TEMP.FROM METER :			READING:	22.3
----------------------	--	--	----------	------

DO MG/L CHART:			READING:	8.67
----------------	--	--	----------	------

DO MG/L FROM METER :			READING:	8.71
----------------------	--	--	----------	------

DO % READING FROM METER:			READING:	23.3
--------------------------	--	--	----------	------

TURBIDITY STD. ID :	10NTU	RANGE (9 - 11)	READING:	NA
---------------------	-------	------------------	----------	----

C.C.V. CHECK DONE AFTER FIELD USE BY :

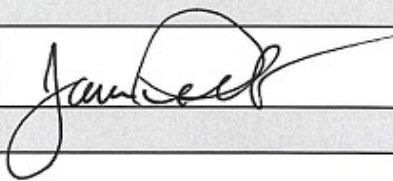
DCN:GEN-D051m
Eff 10/25/16

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
---------------------	-----------------------------	-------------------	-------------------------------

Water Sample Parameters								
SAMPLE LOCATION	BARFIELD BRIDGE	BARFIELD BRIDGE	OLDE MARCO	OLDE MARCO	JH PARK	JH PARK	KENDELL	KENDELL
SAMPLE TIME	0945	0945	1007	1009	1028	1031	1045	1047
SAMPLE DEPTH	0.30m top	1.65m	0.30m top	1.41m	0.30m top	2.02m	0.30m top	2.50m
TOTAL DEPTH	1.95m	1.95m	1.71m	1.71m	2.32m	2.32m	2.80m	2.80m
TEMP /C	26.4	26.4	26.2	26.2	27.1	27.1	27.3	27.3
D.O. mg / L	3.80	3.45	3.63	3.37	3.99	3.52	3.66	3.60
D.O. % sat.	55.0	51.3	52.5	50.1	58.2	53.3	53.2	54.6
CONDUCTIVITY(umhos)	50,942	51,135	51'502	51,520	49,500	49,506	48,958	48,958
SALINITY ppt.	33.38	33.57	33.81	33.82	32.29	32.32	31.91	31.91
pH su.	9.13	9.15	8.22	8.22	8.15	8.16	8.20	8.20
SECCHI	1.71m	1.71m	1.52m	1.52m	2.07m	2.07m	2.80m	2.80m

FIELD COMMENTS:	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE HIGH FLOW	OUTGOING TIDE LOW FLOW
WEATHER :	SUNNY 77 DEG F	SUNNY 88 DEG F	SUNNY 83 DEG F	SUNNY 88 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

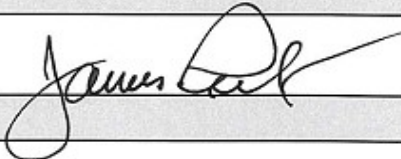
Authentication			
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature	
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			Date 10/22/20

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
---------------------	-----------------------------	-------------------	-------------------------------

Water Sample Parameters								
SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	HC CENTER	HC CENTER	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP
SAMPLE TIME	1105	1107	1121	1123	1145	1147	1148	1150
SAMPLE DEPTH	0.30m top	1.89m	0.30m top	1.47m	0.30m top	1.47m	0.30m top	1.47m
TOTAL DEPTH	2.19m	2.19m	1.77m	1.77m	1.77m	1.77m	1.77m	1.77m
TEMP /C	27.2	27.2	27.4	27.4	27.7	27.7	27.7	27.8
D.O. mg / L	3.54	3.22	2.90	3.07	2.46	2.48	2.52	2.41
D.O. % sat.	55.6	48.7	44.4	46.0	37.8	37.9	38.2	38.4
CONDUCTIVITY(umhos)	48,051	49,053	49,143	49,145	50,589	50,734	50,596	50,626
SALINITY ppt.	31.98	31.99	32.05	32.04	33.10	33.21	33.17	33.79
pH su.	8.11	8.10	8.12	8.14	8.02	8.01	8.02	8.02
SECCHI	2.19m	2.19m	1.77m	1.77m	1.77m	1.77m	1.77m	1.77m

FIELD COMMENTS:	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE HIGH FLOW	OUTGOING TIDE HIGH FLOW
WEATHER :	SUNNY 85 DEG F	SUNNY 88 DEG F	SUNNY 86 DEG F	SUNNY 86 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

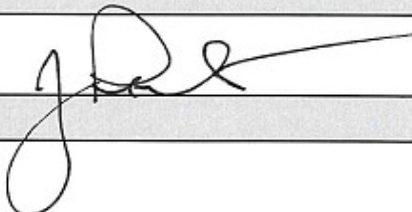
Authentication			
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			10/22/20

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
---------------------	-----------------------------	-------------------	-------------------------------

Water Sample Parameters								
SAMPLE LOCATION	SWALLOW	SWALLOW	WEST WB BRIDGE	WEST WB BRIDGE	EAST WB BRIDGE	EAST WB BRIDGE	MCILVAINE	MCILVAINE
SAMPLE TIME	1235	1236	1215	1217	1255	1257	1313	1315
SAMPLE DEPTH	0.30m top	1.53m	0.30m top	3.97m	0.30m top	2.60m	0.30m top	1.22m
TOTAL DEPTH	1.83m	1.83m	4.27m	4.27m	2.90m	2.90m	1.52m	1.52m
TEMP /C	26.2	27.3	25.7	25.7	27.3	27.3	26.9	26.8
D.O. mg / L	3.75	2.74	4.63	4.64	2.82	2.78	3.18	3.30
D.O. % sat.	57.7	43.5	57.2	66.2	44.3	41.8	48.1	50.9
CONDUCTIVITY(umhos)	46,065	50,037	50,763	50,924	50,524	50,600	51,458	51,453
SALINITY ppt.	29.83	32.70	33.21	33.12	33.08	33.11	33.76	33.70
pH su.	8.20	8.14	8.12	8.11	8.12	8.10	8.17	8.17
SECCHI	1.83m	1.83m	3.84m	3.84m	2.59m	2.59m	1.37m	1.37m

FIELD COMMENTS:	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE HIGH FLOW	OUTGOING TIDE HIGH FLOW
WEATHER :	SUNNY 85 DEG F	SUNNY 88 DEG F	SUNNY 86 DEG F	SUNNY 86 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

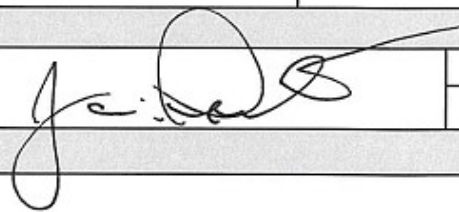
Authentication			
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			10/22/20

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	HOLLY HOCK	HOLLY HOCK	HUMMING BIRD	HUMMING BIRD	WINDMILL	WINDMILL	FIELD BLANK	EQUIPMENT BLANK
SAMPLE TIME	1335	1337	1405	1407	1348	1350	1400	1415
SAMPLE DEPTH	0.30m top	1.10m	0.30m top	1.07m	0.30m top	1.22m	NA	NA
TOTAL DEPTH	1.40m	1.40m	1.37m	1.37m	1.52m	1.52m	NA	NA
TEMP /C	27.4	27.3	27.8	27.7	27.0	27.0	NA	NA
D.O. mg / L	3.80	3.64	3.00	3.06	3.50	3.41	NA	NA
D.O. % sat.	55.3	55.8	47.2	46.6	53.4	51.4	NA	NA
CONDUCTIVITY(umhos)	49,836	49,959	49,484	49,520	49,714	49,759	NA	NA
SALINITY ppt.	32.55	32.64	32.29	32.21	32.47	32.51	NA	NA
pH su.	8.05	8.09	8.11	8.12	8.11	8.11	NA	NA
SECCHI	1.40m	1.40m	1.37m	1.37m	1.52m	1.52m	NA	NA

FIELD COMMENTS:	LOW TIDE NO FLOW	LOW TIDE NO FLOW	LOW TIDE NO FLOW	NA
WEATHER :	PARTLY CLOUDY 87 DEG F	SUNNY 88 DEG F	PARTLY CLOUDY 87 DEG F	SUNNY 88 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

Authentication			
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			10/22/20