

February 9, 2021

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

RE: Workorder: F2100331 MARCO

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, January 21, 2021. 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: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID	Sample ID	Matrix	Date Collected	Date Received
F2100331001	BARFIELD_BRIDGE	Water	1/21/2021 09:15	1/21/2021 13:25
F2100331002	OLDE_MARCO	Water	1/21/2021 09:26	1/21/2021 13:25
F2100331003	JH_PARK	Water	1/21/2021 09:42	1/21/2021 13:25
F2100331004	KENDALL	Water	1/21/2021 09:54	1/21/2021 13:25
F2100331005	COLLIER_BRIDGE	Water	1/21/2021 10:05	1/21/2021 13:25
F2100331006	HC_CENTER	Water	1/21/2021 10:18	1/21/2021 13:25
F2100331007	LANDMARK	Water	1/21/2021 10:30	1/21/2021 13:25
F2100331008	LANDMARK_DUP	Water	1/21/2021 10:34	1/21/2021 13:25
F2100331009	SWALLOW	Water	1/21/2021 10:52	1/21/2021 13:25
F2100331010	W_WINTERBERRY_BRIDGE	Water	1/21/2021 11:05	1/21/2021 13:25
F2100331011	E_WINTERBERRY_BRIDGE	Water	1/21/2021 11:18	1/21/2021 13:25
F2100331012	MCILVANE	Water	1/21/2021 11:30	1/21/2021 13:25
F2100331013	HOLLYHOCK	Water	1/21/2021 12:00	1/21/2021 13:25
F2100331014	HUMMINGBIRD	Water	1/21/2021 11:50	1/21/2021 13:25
F2100331015	WINDMILL	Water	1/21/2021 12:12	1/21/2021 13:25
F2100331016	EQUIPMENT_BLANK	Water	1/21/2021 12:18	1/21/2021 13:25

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331001** Date Received: 01/21/21 13:25 Matrix: Water
Sample ID: **BARFIELD_BRIDGE** Date Collected: 01/21/21 09:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			1/21/2021 09:15	X^
Secchi Disc	2		meters	1			1/21/2021 09:15	X^
Total Depth	2.3		meters	1			1/21/2021 09:15	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	51352		umhos/cm	1			1/21/2021 09:15	F^
DO Saturation %	84		%	1			1/21/2021 09:15	F^
Dissolved Oxygen	6.74		mg/L	1			1/21/2021 09:15	F^
Salinity	33.8		ppt	1			1/21/2021 09:15	F^
Temperature	18.4		°C	1			1/21/2021 09:15	F^
pH	8.22		SU	1			1/21/2021 09:15	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.40		mg/L	1	0.20	0.12	2/4/2021 09:46	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.82		NTU	1	0.10	0.10	1/22/2021 10:50	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	0.50	0.20	1/26/2021 12:30	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.017		mg/L	1	0.01	0.005	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	5.0	1	mg/m3	1	3.0	2.5	1/26/2021 16:00	G

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331001** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **BARFIELD_BRIDGE** Date Collected: 01/21/21 09:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	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	1/22/2021 13:36	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	1/22/2021 13:36	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:36	T

Lab ID: **F2100331002** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **OLDE_MARCO** Date Collected: 01/21/21 09:26

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 09:26	X^
Secchi Disc	1.8		meters	1			1/21/2021 09:26	X^
Total Depth	1.8		meters	1			1/21/2021 09:26	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	51612		umhos/cm	1			1/21/2021 09:26	F^
DO Saturation %	75		%	1			1/21/2021 09:26	F^
Dissolved Oxygen	5.9		mg/L	1			1/21/2021 09:26	F^
Salinity	33.99		ppt	1			1/21/2021 09:26	F^
Temperature	18		°C	1			1/21/2021 09:26	F^
pH	8.34		SU	1			1/21/2021 09:26	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	31		MPN/100 mL	10	10	10	1/21/2021 15:07	F

WET CHEMISTRY

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

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331002** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **OLDE_MARCO** Date Collected: 01/21/21 09:26

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.38		mg/L	1	0.20	0.12	2/4/2021 09:46	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	0.79		NTU	1	0.10	0.10	1/22/2021 10:50	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	0.50	0.20	1/26/2021 12:30	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	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.027		mg/L	1	0.010	0.0060	1/22/2021 13:38	T
Nitrate + Nitrite	0.016	I	mg/L	1	0.020	0.010	1/22/2021 13:38	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:38	T

Lab ID: **F2100331003** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **JH_PARK** Date Collected: 01/21/21 09:42

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 09:42	X^
Secchi Disc	2.5		meters	1			1/21/2021 09:42	X^
Total Depth	2.5		meters	1			1/21/2021 09:42	X^

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331003**

Date Received: 01/21/21 13:25 Matrix: Water

Sample ID: **JH_PARK**

Date Collected: 01/21/21 09:42

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	50419		umhos/cm	1			1/21/2021 09:42	F^
DO Saturation %	80.8		%	1			1/21/2021 09:42	F^
Dissolved Oxygen	6.26		mg/L	1			1/21/2021 09:42	F^
Salinity	33.1		ppt	1			1/21/2021 09:42	F^
Temperature	19		°C	1			1/21/2021 09:42	F^
pH	8.32		SU	1			1/21/2021 09:42	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.43		mg/L	1	0.20	0.12	2/4/2021 09:46	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.34		NTU	1	0.10	0.10	1/22/2021 10:50	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	0.50	0.20	1/26/2021 12:30	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	1/26/2021 15:00	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	5.6		mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G

Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.046		mg/L	1	0.010	0.0060	1/22/2021 13:39	T
Nitrate + Nitrite	0.036		mg/L	1	0.020	0.010	1/22/2021 13:39	T

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331003**

Date Received: 01/21/21 13:25 Matrix: Water

Sample ID: **JH_PARK**

Date Collected: 01/21/21 09:42

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:39	T

Lab ID: **F2100331004**

Date Received: 01/21/21 13:25 Matrix: Water

Sample ID: **KENDALL**

Date Collected: 01/21/21 09:54

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			1/21/2021 09:54	X^
Secchi Disc	2.3		meters	1			1/21/2021 09:54	X^
Total Depth	2.3		meters	1			1/21/2021 09:54	X^

Analysis Desc: Data entry of field measurements

Analytical Method: Field Measurements

Conductivity	49881		umhos/cm	1			1/21/2021 09:54	F^
DO Saturation %	57		%	1			1/21/2021 09:54	F^
Dissolved Oxygen	4.44		mg/L	1			1/21/2021 09:54	F^
Salinity	32.73		ppt	1			1/21/2021 09:54	F^
Temperature	19.1		°C	1			1/21/2021 09:54	F^
pH	8.29		SU	1			1/21/2021 09:54	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water

Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F
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WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water

Analytical Method: Calculation

Total Nitrogen	0.35		mg/L	1	0.20	0.12	2/4/2021 09:46	T
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Analysis Desc: Turbidity,E180.1,Water

Analytical Method: EPA 180.1

Turbidity	0.48		NTU	1	0.10	0.10	1/22/2021 10:50	F
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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331004** Date Received: 01/21/21 13:25 Matrix: Water
Sample ID: **KENDALL** Date Collected: 01/21/21 09:54

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	0.35	I	mg/L	1	0.50	0.20	1/26/2021 12:30	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.007	I	mg/L	1	0.01	0.005	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.017		mg/L	1	0.010	0.0060	1/22/2021 13:40	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	1/22/2021 13:40	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:40	T

Lab ID: **F2100331005** Date Received: 01/21/21 13:25 Matrix: Water
Sample ID: **COLLIER_BRIDGE** Date Collected: 01/21/21 10:05

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 10:05	X^
Secchi Disc	2.8		meters	1			1/21/2021 10:05	X^
Total Depth	2.8		meters	1			1/21/2021 10:05	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	49990		umhos/cm	1			1/21/2021 10:05	F^
DO Saturation %	64.1		%	1			1/21/2021 10:05	F^
Dissolved Oxygen	4.91		mg/L	1			1/21/2021 10:05	F^
Salinity	32.8		ppt	1			1/21/2021 10:05	F^

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331005**
 Sample ID: **COLLIER_BRIDGE**

Date Received: 01/21/21 13:25 Matrix: Water
 Date Collected: 01/21/21 10:05

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	19.4		°C	1			1/21/2021 10:05	F^
pH	8.33		SU	1			1/21/2021 10:05	F^

Microbiology

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

Enterococcus	10		MPN/100 mL	10	10	10	1/21/2021 15:07	F
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WET CHEMISTRY

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

Total Nitrogen	0.36		mg/L	1	0.20	0.12	2/4/2021 09:46	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	0.46		NTU	1	0.10	0.10	1/22/2021 10:50	F
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Analysis Desc: TKN, E351.2, Water Preparation Method: Copper Sulfate Digestion
 Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.34	I	mg/L	1	0.50	0.20	1/26/2021 12:30	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	1/26/2021 15:00	G
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Analysis Desc: Chlorophylls, SM10200H, Water Analytical Method: SM 10200 H

Corrected Chlorophyll A	4.8		mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	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	1/22/2021 13:40	T
Nitrate + Nitrite	0.010	I	mg/L	1	0.020	0.010	1/22/2021 13:40	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:40	T

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331006**
Sample ID: **HC_CENTER**

Date Received: 01/21/21 13:25 Matrix: Water
Date Collected: 01/21/21 10:18

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			1/21/2021 10:18	X^
Secchi Disc	1.8		meters	1			1/21/2021 10:18	X^
Total Depth	1.8		meters	1			1/21/2021 10:18	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	49694		umhos/cm	1			1/21/2021 10:18	F^
DO Saturation %	64.4		%	1			1/21/2021 10:18	F^
Dissolved Oxygen	4.95		mg/L	1			1/21/2021 10:18	F^
Salinity	32.58		ppt	1			1/21/2021 10:18	F^
Temperature	19.4		°C	1			1/21/2021 10:18	F^
pH	8.32		SU	1			1/21/2021 10:18	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.42		mg/L	1	0.20	0.12	2/4/2021 09:46	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.42		NTU	1	0.10	0.10	1/22/2021 10:50	F
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	0.50	0.20	1/29/2021 09:43	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	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331006** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **HC_CENTER** Date Collected: 01/21/21 10:18

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.068		mg/L	1	0.010	0.0060	1/22/2021 13:41	T
Nitrate + Nitrite	0.055		mg/L	1	0.020	0.010	1/22/2021 13:41	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:41	T

Lab ID: **F2100331007** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **LANDMARK** Date Collected: 01/21/21 10:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 10:30	X^
Secchi Disc	2.2		meters	1			1/21/2021 10:30	X^
Total Depth	2.2		meters	1			1/21/2021 10:30	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	51236		umhos/cm	1			1/21/2021 10:30	F^
DO Saturation %	62		%	1			1/21/2021 10:30	F^
Dissolved Oxygen	4.72		mg/L	1			1/21/2021 10:30	F^
Salinity	33.71		ppt	1			1/21/2021 10:30	F^
Temperature	19		°C	1			1/21/2021 10:30	F^
pH	8.25		SU	1			1/21/2021 10:30	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F

WET CHEMISTRY

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

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331007** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **LANDMARK** Date Collected: 01/21/21 10:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.65		mg/L	1	0.20	0.12	2/4/2021 09:46	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	0.60		NTU	1	0.10	0.10	1/22/2021 10:50	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.61		mg/L	1	0.50	0.20	1/29/2021 09:43	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.01	I	mg/L	1	0.01	0.005	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	6.4		mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.6	I	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.050		mg/L	1	0.010	0.0060	1/22/2021 13:42	T
Nitrate + Nitrite	0.040		mg/L	1	0.020	0.010	1/22/2021 13:42	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:42	T

Lab ID: **F2100331008** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **LANDMARK_DUP** Date Collected: 01/21/21 10:34

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 10:34	X^
Secchi Disc	2.2		meters	1			1/21/2021 10:34	X^
Total Depth	2.2		meters	1			1/21/2021 10:34	X^

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331008** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **LANDMARK_DUP** Date Collected: 01/21/21 10:34

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	51205		umhos/cm	1			1/21/2021 10:34	F^
DO Saturation %	61.3		%	1			1/21/2021 10:34	F^
Dissolved Oxygen	4.54		mg/L	1			1/21/2021 10:34	F^
Salinity	33.69		ppt	1			1/21/2021 10:34	F^
Temperature	19		°C	1			1/21/2021 10:34	F^
pH	8.34		SU	1			1/21/2021 10:34	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation						
Total Nitrogen	0.49		mg/L	1	0.20	0.12	2/4/2021 09:46	T

Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	0.64		NTU	1	0.10	0.10	1/22/2021 10:50	F

Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.47	I	mg/L	1	0.50	0.20	1/29/2021 09:43	G

Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.022		mg/L	1	0.01	0.005	1/26/2021 15:00	G

Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	6.4		mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	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	1/22/2021 13:43	T
Nitrate + Nitrite	0.015	I	mg/L	1	0.020	0.010	1/22/2021 13:43	T

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331008** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **LANDMARK_DUP** Date Collected: 01/21/21 10:34

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:43	T

Lab ID: **F2100331009** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 01/21/21 10:52

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			1/21/2021 10:52	X^
Secchi Disc	2		meters	1			1/21/2021 10:52	X^
Total Depth	2.2		meters	1			1/21/2021 10:52	X^

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	48738		umhos/cm	1			1/21/2021 10:52	F^
DO Saturation %	63.8		%	1			1/21/2021 10:52	F^
Dissolved Oxygen	4.84		mg/L	1			1/21/2021 10:52	F^
Salinity	32.86		ppt	1			1/21/2021 10:52	F^
Temperature	19.9		°C	1			1/21/2021 10:52	F^
pH	8.19		SU	1			1/21/2021 10:52	F^

Microbiology

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

Enterococcus	31		MPN/100 mL	10	10	10	1/21/2021 15:07	F
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WET CHEMISTRY

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

Total Nitrogen	0.47		mg/L	1	0.20	0.12	2/4/2021 09:46	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	0.76		NTU	1	0.10	0.10	1/22/2021 10:50	F
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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331009** Date Received: 01/21/21 13:25 Matrix: Water
Sample ID: **SWALLOW** Date Collected: 01/21/21 10:52

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	0.39	I	mg/L	1	0.50	0.20	1/29/2021 09:43	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.040		mg/L	1	0.01	0.005	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.092		mg/L	1	0.010	0.0060	1/22/2021 13:43	T
Nitrate + Nitrite	0.079		mg/L	1	0.020	0.010	1/22/2021 13:43	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:43	T

Lab ID: **F2100331010** Date Received: 01/21/21 13:25 Matrix: Water
Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 01/21/21 11:05

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 11:05	X^
Secchi Disc	1.4		meters	1			1/21/2021 11:05	X^
Total Depth	1.4		meters	1			1/21/2021 11:05	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	51010		umhos/cm	1			1/21/2021 11:05	F^
DO Saturation %	76.8		%	1			1/21/2021 11:05	F^
Dissolved Oxygen	5.92		mg/L	1			1/21/2021 11:05	F^
Salinity	33.54		ppt	1			1/21/2021 11:05	F^

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331010** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 01/21/21 11:05

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	19.1		°C	1			1/21/2021 11:05	F^
pH	8.32		SU	1			1/21/2021 11:05	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.35		mg/L	1	0.20	0.12	2/4/2021 09:46	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.72		NTU	1	0.10	0.10	1/22/2021 10:50	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	0.50	0.20	1/29/2021 09:43	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.017		mg/L	1	0.01	0.005	1/26/2021 15:00	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	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	1/22/2021 13:44	T
Nitrate + Nitrite	0.018	I	mg/L	1	0.020	0.010	1/22/2021 13:44	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:44	T

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331011** Date Received: 01/21/21 13:25 Matrix: Water
Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 01/21/21 11:18

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			1/21/2021 11:18	X^
Secchi Disc	2.9		meters	1			1/21/2021 11:18	X^
Total Depth	3.1		meters	1			1/21/2021 11:18	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	51015		umhos/cm	1			1/21/2021 11:18	F^
DO Saturation %	74.9		%	1			1/21/2021 11:18	F^
Dissolved Oxygen	5.71		mg/L	1			1/21/2021 11:18	F^
Salinity	33.62		ppt	1			1/21/2021 11:18	F^
Temperature	19		°C	1			1/21/2021 11:18	F^
pH	8.31		SU	1			1/21/2021 11:18	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.40		mg/L	1	0.20	0.12	2/4/2021 09:46	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.34		NTU	1	0.10	0.10	1/22/2021 10:50	F
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	0.50	0.20	1/29/2021 09:43	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.022		mg/L	1	0.01	0.005	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331011** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 01/21/21 11:18

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.033		mg/L	1	0.010	0.0060	1/22/2021 13:52	T
Nitrate + Nitrite	0.039		mg/L	1	0.020	0.010	1/22/2021 13:52	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:52	T

Lab ID: **F2100331012** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **MCILVANE** Date Collected: 01/21/21 11:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 11:30	X^
Secchi Disc	1.9		meters	1			1/21/2021 11:30	X^
Total Depth	2.1		meters	1			1/21/2021 11:30	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	51532		umhos/cm	1			1/21/2021 11:30	F^
DO Saturation %	67.1		%	1			1/21/2021 11:30	F^
Dissolved Oxygen	4.99		mg/L	1			1/21/2021 11:30	F^
Salinity	33.81		ppt	1			1/21/2021 11:30	F^
Temperature	18.9		°C	1			1/21/2021 11:30	F^
pH	8.35		SU	1			1/21/2021 11:30	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F

WET CHEMISTRY

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

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331012** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **MCILVANE** Date Collected: 01/21/21 11:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.32		mg/L	1	0.20	0.12	2/4/2021 09:46	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	0.92		NTU	1	0.10	0.10	1/22/2021 10:50	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.28	I	mg/L	1	0.50	0.20	1/29/2021 09:43	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.017		mg/L	1	0.01	0.005	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.051		mg/L	1	0.010	0.0060	1/22/2021 13:54	T
Nitrate + Nitrite	0.034		mg/L	1	0.020	0.010	1/22/2021 13:54	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:54	T

Lab ID: **F2100331013** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **HOLLYHOCK** Date Collected: 01/21/21 12:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 12:00	X^
Secchi Disc	1.5		meters	1			1/21/2021 12:00	X^
Total Depth	1.8		meters	1			1/21/2021 12:00	X^

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331013**
Sample ID: **HOLLYHOCK**

Date Received: 01/21/21 13:25 Matrix: Water
Date Collected: 01/21/21 12:00

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	51416		umhos/cm	1			1/21/2021 12:00	F^
DO Saturation %	61.1		%	1			1/21/2021 12:00	F^
Dissolved Oxygen	4.77		mg/L	1			1/21/2021 12:00	F^
Salinity	33.85		ppt	1			1/21/2021 12:00	F^
Temperature	19.2		°C	1			1/21/2021 12:00	F^
pH	8.32		SU	1			1/21/2021 12:00	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10		MPN/100 mL	10	10	10	1/21/2021 15:07	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.47		mg/L	1	0.20	0.12	2/4/2021 09:46	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.64		NTU	1	0.10	0.10	1/22/2021 10:50	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	0.50	0.20	1/29/2021 09:43	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.015		mg/L	1	0.01	0.005	1/26/2021 15:00	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G

Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.16		mg/L	1	0.010	0.0060	1/22/2021 13:55	T
Nitrate + Nitrite	0.15		mg/L	1	0.020	0.010	1/22/2021 13:55	T

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331013** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **HOLLYHOCK** Date Collected: 01/21/21 12:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:55	T

Lab ID: **F2100331014** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 01/21/21 11:50

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			1/21/2021 11:50	X^
Secchi Disc	1.6		meters	1			1/21/2021 11:50	X^
Total Depth	1.6		meters	1			1/21/2021 11:50	X^

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	50222		umhos/cm	1			1/21/2021 11:50	F^
DO Saturation %	66.7		%	1			1/21/2021 11:50	F^
Dissolved Oxygen	5.35		mg/L	1			1/21/2021 11:50	F^
Salinity	32.97		ppt	1			1/21/2021 11:50	F^
Temperature	19.6		°C	1			1/21/2021 11:50	F^
pH	8.21		SU	1			1/21/2021 11:50	F^

Microbiology

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

Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F
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WET CHEMISTRY

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

Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	2/4/2021 09:46	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	1.8		NTU	1	0.10	0.10	1/22/2021 10:50	F
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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331014** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 01/21/21 11:50

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	0.20	U	mg/L	1	0.50	0.20	1/29/2021 09:43	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.035		mg/L	1	0.01	0.005	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	9.6		mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	3.3		mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.016		mg/L	1	0.010	0.0060	1/22/2021 13:55	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	1/22/2021 13:55	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:55	T

Lab ID: **F2100331015** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **WINDMILL** Date Collected: 01/21/21 12:12

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			1/21/2021 12:12	X^
Secchi Disc	1.8		meters	1			1/21/2021 12:12	X^
Total Depth	1.8		meters	1			1/21/2021 12:12	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50579		umhos/cm	1			1/21/2021 12:12	F^
DO Saturation %	69.1		%	1			1/21/2021 12:12	F^
Dissolved Oxygen	5.17		mg/L	1			1/21/2021 12:12	F^
Salinity	33.22		ppt	1			1/21/2021 12:12	F^

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331015** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **WINDMILL** Date Collected: 01/21/21 12:12

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	19.5		°C	1			1/21/2021 12:12	F^
pH	8.29		SU	1			1/21/2021 12:12	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	1/21/2021 15:07	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	2/4/2021 09:46	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.53		NTU	1	0.10	0.10	1/22/2021 10:50	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	0.50	0.20	1/29/2021 09:43	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	1/26/2021 15:00	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Chlorophyll A	5.1		mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G

Analysis Desc: Nitrate+Nitrite Low- Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.069		mg/L	1	0.010	0.0060	1/22/2021 13:56	T
Nitrate + Nitrite	0.050		mg/L	1	0.020	0.010	1/22/2021 13:56	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	1/22/2021 13:56	T

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ANALYTICAL RESULTS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID: **F2100331016** Date Received: 01/21/21 13:25 Matrix: Water
 Sample ID: **EQUIPMENT_BLANK** Date Collected: 01/21/21 12:18

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	1/21/2021 15:07	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	2/4/2021 09:46	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.11		NTU	1	0.10	0.10	1/22/2021 10:50	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	0.50	0.20	1/29/2021 09:43	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	1/26/2021 15:00	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	1/26/2021 16:00	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	1/22/2021 13:51	T
Nitrate + Nitrite	0.024		mg/L	1	0.020	0.010	1/22/2021 13:51	T
Nitrite (as N)	0.010		mg/L	1	0.010	0.0080	1/22/2021 13:51	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

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.
- [1] Chlorophyll A SAMPLES 1-16 FILTERED: 1/22/21 12:56

PROJECT ACCEPTABLE LIMITS

- < 0.3 Total Nitrogen
- < 0.46 Total Phosphorus
- < 4.9 Chlorophyll A
- < 130 Enterococcus
- > 42 DO Saturation %
- 6.5-8.5 pH

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: F2100331 MARCO ISLAND WATER QUALITY JAN

QC Batch: WCAf/1051 Analysis Method: EPA 180.1
 QC Batch Method: EPA 180.1 Prepared:
 Associated Lab Samples: F2100331001, F2100331002, F2100331003, F2100331004, F2100331005, F2100331006, F2100331007,

METHOD BLANK: 3762236

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Turbidity	NTU	0		U

QC Batch: MICf/1024 Analysis Method: ENTEROLERT/ QUANTI-TRAY
 QC Batch Method: ENTEROLERT/ QUANTI-TRAY Prepared:
 Associated Lab Samples: F2100331001, F2100331002, F2100331003, F2100331004, F2100331005, F2100331006, F2100331007,

METHOD BLANK: 3762593

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

QC Batch: WCAf/1386 Analysis Method: SM 4500NO3-F (Low Level)
 QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
 Associated Lab Samples: F2100331001, F2100331002, F2100331003, F2100331004, F2100331005, F2100331006, F2100331007,

METHOD BLANK: 3762855

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

QC Batch: WCAf/1387 Analysis Method: SM 4500NO3-F (Low Level)
 QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
 Associated Lab Samples: F2100331011, F2100331012, F2100331013, F2100331014, F2100331015, F2100331016

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QUALITY CONTROL DATA

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

METHOD BLANK: 3762859

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

QC Batch: WCAg/1212

Analysis Method: EPA 365.3

QC Batch Method: EPA 365.3

Prepared: 01/25/2021 11:20

Associated Lab Samples: F2100331001, F2100331002, F2100331003, F2100331004, F2100331005, F2100331006, F2100331007,

METHOD BLANK: 3764097

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

QC Batch: WCAg/1215

Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H

Prepared:

Associated Lab Samples: F2100331001, F2100331002, F2100331003, F2100331004, F2100331005, F2100331006, F2100331007,

METHOD BLANK: 3764202

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

QC Batch: WCAg/1220

Analysis Method: EPA 351.2

QC Batch Method: Copper Sulfate Digestion

Prepared: 01/25/2021 16:00

Associated Lab Samples: F2100331001, F2100331002, F2100331003, F2100331004, F2100331005

METHOD BLANK: 3764571

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Kjeldahl Nitrogen	mg/L	0.20	0.20 U

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QUALITY CONTROL DATA

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

QC Batch: WCAg/1259 Analysis Method: EPA 351.2
 QC Batch Method: Copper Sulfate Digestion Prepared: 01/27/2021 15:55
 Associated Lab Samples: F2100331006, F2100331007, F2100331008, F2100331009, F2100331010, F2100331011, F2100331012,

METHOD BLANK: 3768091

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Kjeldahl Nitrogen	mg/L	0.20	0.20 U

QUALITY CONTROL DATA QUALIFIERS

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

QUALITY CONTROL PARAMETER QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2100331001	BARFIELD_BRIDGE			EPA 180.1	WCAf/1051
F2100331002	OLDE_MARCO			EPA 180.1	WCAf/1051
F2100331003	JH_PARK			EPA 180.1	WCAf/1051
F2100331004	KENDALL			EPA 180.1	WCAf/1051
F2100331005	COLLIER_BRIDGE			EPA 180.1	WCAf/1051
F2100331006	HC_CENTER			EPA 180.1	WCAf/1051
F2100331007	LANDMARK			EPA 180.1	WCAf/1051
F2100331008	LANDMARK_DUP			EPA 180.1	WCAf/1051
F2100331009	SWALLOW			EPA 180.1	WCAf/1051
F2100331010	W_WINTERBERRY_BRIDGE			EPA 180.1	WCAf/1051
F2100331011	E_WINTERBERRY_BRIDGE			EPA 180.1	WCAf/1051
F2100331012	MCILVANE			EPA 180.1	WCAf/1051
F2100331013	HOLLYHOCK			EPA 180.1	WCAf/1051
F2100331014	HUMMINGBIRD			EPA 180.1	WCAf/1051
F2100331015	WINDMILL			EPA 180.1	WCAf/1051
F2100331016	EQUIPMENT_BLANK			EPA 180.1	WCAf/1051
F2100331001	BARFIELD_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331002	OLDE_MARCO			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331003	JH_PARK			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331004	KENDALL			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331005	COLLIER_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331006	HC_CENTER			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331007	LANDMARK			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331008	LANDMARK_DUP			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331009	SWALLOW			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331010	W_WINTERBERRY_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331011	E_WINTERBERRY_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331012	MCILVANE			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331013	HOLLYHOCK			ENTEROLERT/ QUANTI-TRAY	MICf/1024

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2100331014	HUMMINGBIRD			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331015	WINDMILL			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331016	EQUIPMENT_BLANK			ENTEROLERT/ QUANTI-TRAY	MICf/1024
F2100331001	BARFIELD_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331002	OLDE_MARCO			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331003	JH_PARK			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331004	KENDALL			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331005	COLLIER_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331006	HC_CENTER			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331007	LANDMARK			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331008	LANDMARK_DUP			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331009	SWALLOW			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331010	W_WINTERBERRY_BRID GE			SM 4500NO3-F (Low Level)	WCAf/1386
F2100331011	E_WINTERBERRY_BRIDG E			SM 4500NO3-F (Low Level)	WCAf/1387
F2100331012	MCILVANE			SM 4500NO3-F (Low Level)	WCAf/1387
F2100331013	HOLLYHOCK			SM 4500NO3-F (Low Level)	WCAf/1387
F2100331014	HUMMINGBIRD			SM 4500NO3-F (Low Level)	WCAf/1387
F2100331015	WINDMILL			SM 4500NO3-F (Low Level)	WCAf/1387
F2100331016	EQUIPMENT_BLANK			SM 4500NO3-F (Low Level)	WCAf/1387
F2100331001	BARFIELD_BRIDGE	EPA 365.3	WCAg/1212	EPA 365.3	WCAg/1213
F2100331002	OLDE_MARCO	EPA 365.3	WCAg/1212	EPA 365.3	WCAg/1213
F2100331003	JH_PARK	EPA 365.3	WCAg/1212	EPA 365.3	WCAg/1213
F2100331004	KENDALL	EPA 365.3	WCAg/1212	EPA 365.3	WCAg/1213
F2100331005	COLLIER_BRIDGE	EPA 365.3	WCAg/1212	EPA 365.3	WCAg/1213
F2100331006	HC_CENTER	EPA 365.3	WCAg/1212	EPA 365.3	WCAg/1213

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2100331007	LANDMARK	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331008	LANDMARK_DUP	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331009	SWALLOW	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331010	W_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331011	E_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331012	MCILVANE	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331013	HOLLYHOCK	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331014	HUMMINGBIRD	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331015	WINDMILL	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331016	EQUIPMENT_BLANK	EPA 365.3	WCAG/1212	EPA 365.3	WCAG/1213
F2100331001	BARFIELD_BRIDGE			SM 10200 H	WCAG/1215
F2100331002	OLDE_MARCO			SM 10200 H	WCAG/1215
F2100331003	JH_PARK			SM 10200 H	WCAG/1215
F2100331004	KENDALL			SM 10200 H	WCAG/1215
F2100331005	COLLIER_BRIDGE			SM 10200 H	WCAG/1215
F2100331006	HC_CENTER			SM 10200 H	WCAG/1215
F2100331007	LANDMARK			SM 10200 H	WCAG/1215
F2100331008	LANDMARK_DUP			SM 10200 H	WCAG/1215
F2100331009	SWALLOW			SM 10200 H	WCAG/1215
F2100331010	W_WINTERBERRY_BRIDGE			SM 10200 H	WCAG/1215
F2100331011	E_WINTERBERRY_BRIDGE			SM 10200 H	WCAG/1215
F2100331012	MCILVANE			SM 10200 H	WCAG/1215
F2100331013	HOLLYHOCK			SM 10200 H	WCAG/1215
F2100331014	HUMMINGBIRD			SM 10200 H	WCAG/1215
F2100331015	WINDMILL			SM 10200 H	WCAG/1215
F2100331016	EQUIPMENT_BLANK			SM 10200 H	WCAG/1215
F2100331001	BARFIELD_BRIDGE	Copper Sulfate Digestion	WCAG/1220	EPA 351.2	WCAG/1237
F2100331002	OLDE_MARCO	Copper Sulfate Digestion	WCAG/1220	EPA 351.2	WCAG/1237
F2100331003	JH_PARK	Copper Sulfate Digestion	WCAG/1220	EPA 351.2	WCAG/1237
F2100331004	KENDALL	Copper Sulfate Digestion	WCAG/1220	EPA 351.2	WCAG/1237
F2100331005	COLLIER_BRIDGE	Copper Sulfate Digestion	WCAG/1220	EPA 351.2	WCAG/1237

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2100331006	HC_CENTER	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331007	LANDMARK	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331008	LANDMARK_DUP	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331009	SWALLOW	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331010	W_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331011	E_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331012	MCILVANE	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331013	HOLLYHOCK	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331014	HUMMINGBIRD	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331015	WINDMILL	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331016	EQUIPMENT_BLANK	Copper Sulfate Digestion	WCAG/1259	EPA 351.2	WCAG/1277
F2100331001	BARFIELD_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2100331001	BARFIELD_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2100331001	BARFIELD_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331002	OLDE_MARCO	Calculation	CLCt/	Calculation	CLCt/
F2100331002	OLDE_MARCO	DISRES	FLDx/	DISRES	FLDx/
F2100331002	OLDE_MARCO	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331003	JH_PARK	Calculation	CLCt/	Calculation	CLCt/
F2100331003	JH_PARK	DISRES	FLDx/	DISRES	FLDx/
F2100331003	JH_PARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331004	KENDALL	Calculation	CLCt/	Calculation	CLCt/
F2100331004	KENDALL	DISRES	FLDx/	DISRES	FLDx/
F2100331004	KENDALL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331005	COLLIER_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2100331005	COLLIER_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2100331005	COLLIER_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331006	HC_CENTER	Calculation	CLCt/	Calculation	CLCt/
F2100331006	HC_CENTER	DISRES	FLDx/	DISRES	FLDx/
F2100331006	HC_CENTER	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331007	LANDMARK	Calculation	CLCt/	Calculation	CLCt/
F2100331007	LANDMARK	DISRES	FLDx/	DISRES	FLDx/
F2100331007	LANDMARK	Field Measurements	FLDf/	Field Measurements	FLDf/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2100331 MARCO ISLAND WATER QUALITY JAN

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2100331008	LANDMARK_DUP	Calculation	CLCt/	Calculation	CLCt/
F2100331008	LANDMARK_DUP	DISRES	FLDx/	DISRES	FLDx/
F2100331008	LANDMARK_DUP	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331009	SWALLOW	Calculation	CLCt/	Calculation	CLCt/
F2100331009	SWALLOW	DISRES	FLDx/	DISRES	FLDx/
F2100331009	SWALLOW	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331010	W_WINTERBERRY_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2100331010	W_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2100331010	W_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331011	E_WINTERBERRY_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2100331011	E_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2100331011	E_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331012	MCILVANE	Calculation	CLCt/	Calculation	CLCt/
F2100331012	MCILVANE	DISRES	FLDx/	DISRES	FLDx/
F2100331012	MCILVANE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331013	HOLLYHOCK	Calculation	CLCt/	Calculation	CLCt/
F2100331013	HOLLYHOCK	DISRES	FLDx/	DISRES	FLDx/
F2100331013	HOLLYHOCK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331014	HUMMINGBIRD	Calculation	CLCt/	Calculation	CLCt/
F2100331014	HUMMINGBIRD	DISRES	FLDx/	DISRES	FLDx/
F2100331014	HUMMINGBIRD	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331015	WINDMILL	Calculation	CLCt/	Calculation	CLCt/
F2100331015	WINDMILL	DISRES	FLDx/	DISRES	FLDx/
F2100331015	WINDMILL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2100331016	EQUIPMENT_BLANK	Calculation	CLCt/	Calculation	CLCt/

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Altamonte Springs: 380 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: ER9001
 Fort Myers: 13100 Westliss Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: ER4
 Jacksonville: 6691 Southpoint Pkwy., FL 32216 • 904.369.9550 • Lab ID: ER8374
 Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 905.219.8274 • Lab ID: ER1



Client Name: City of Marco Island				Project Name: Marco Island Water Quality			
Address: 50 Bald Eagle Dr. Marco Island, FL 34145				Project Number:			
Phone: 239-300-1462				FOEP Facility No.:			
FAX:				FOEP Facility Addr.:			
Contact: Tonia Selmeski				Special Instructions:			
Sampled By: Standard				ADAPT			
Turn Around Time: Rush				EQUIS			
AEL Profile #:				Other			

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	DATE	SAMPLING TIME	MATRIX	NO. COUNT	ANALYSIS REQUIRED				LABORATORY I.D. NUMBER
							NO2 / NO3 / TURB	TKN / TP / TN	CHLOR - A	ENTERO	
site 1	Barfield Bridge	Grab	1/11/19	0715	SW	4	X	X	X	X	001
site 6	Olde Marco	Grab	0726		SW	4	X	X	X		002
site 2	JH Park	Grab	0722		SW	4	X	X	X		003
site 5	Kendall	Grab	0724		SW	4	X	X	X		004
site 3	Collier Bridge	Grab	1025		SW	4	X	X	X		005
site 4	HC Center	Grab	1018		SW	4	X	X	X		006
site 14	Landmark	Grab	1030		SW	4	X	X	X		007
site 14D	Landmark Dup.	Grab	1034		SW	4	X	X	X		008
site 13	Swallow	Grab	1052		SW	4	X	X	X		009
site 12	West Winterberry Bridge	Grab	1105		SW	4	X	X	X		010

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

Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____
 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

FOR DRINKING WATER USE:
 (When PWS information not otherwise supplied) PWS ID: _____
 Contact Person: _____
 Supplier of Water: _____
 Site-Address: _____



Advanced Environmental Laboratories, Inc.

Altamonte Springs: 380 Neomlake Blvd., Ste. 1048, FL 32701 • 407.937.1564 • Lab ID: ES3076
Fort Myers: 13100 Westlake Terrace, Ste. 10, FL 33913 • 239.674.0130 • Lab ID: ES4482
Jacksonville: 5681 Southpoint Pkwy., FL 32216 • 904.353.5350 • Lab ID: ES2574
Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: ES11095

Gainesville: 4955 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: ES2001
Miramar: 10200 USA Today Way, FL 33025 • 954.899.2288 • Lab ID: ES2535
Tampa: 9510 Princess Palm Ave., FL 33619 • 813.650.9616 • Lab ID: ES4599

Feb-23

Client Name: City of Marco Island Project Name: Marco Island Water Quality

Address: 50 Bald Eagle Dr. Project Number:

Marco Island, FL 34145 PO Number:

Phone: 239-300-1462 FDEP Facility No.:

FAX: FDEP Facility Addr.:

Contact: Tonia Selmeski Special Instructions:

Sampled By:

Turn Around Time: Standard Rush

AEI Profile #: ADAPT EQUIS Other

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	ANALYSIS REQUIRED				LABORATORY I.D. NUMBER
			DATE	TIME			NO2 / NO3 / TURB	TKN / TP / TN	CHLOR - A	ENTERO	
site 11	East Winterberry Bridge	Grab	1/18/21	1118	SW	4	X	X	X	X	011
site 10	McIlvaine	Grab	1/30	1130	SW	4	X	X	X	X	012
site 8	Hollyhock	Grab	1/20/21	1200	SW	4	X	X	X	X	013
site 9	Hummingbird	Grab	1/15/21	1150	SW	4	X	X	X	X	014
site 7	Windmill	Grab	1/21/21	1212	SW	4	X	X	X	X	015
EQB	Equipment Blank	Grab	1/21/21	1218	SW	4	X	X	X	X	016

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 Temp. when received (observed) 5.6 °C Temp. when received (corrected) 5.6 °C

Relinquished by: Date Time Received by: Date Time Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

1	Received by:	Date	Time
2	Received by:	Date	Time
3	Received by:	Date	Time
4	Received by:	Date	Time

FOR DRINKING WATER USE: (When PWS information not otherwise supplied) PWS ID: 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	
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YSI - PROBE ID :	F4N-1		
------------------	-------	--	--

PRE WORK DAY CHECK	DATE:	1/21/2021	TIME:	7:25
--------------------	-------	-----------	-------	------

PH 7 BUFFER VALUE :	7.00	+/- .2 PH UNITS	READING:	7.04
---------------------	------	-----------------	----------	------

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:	3F2012-07		
------------------	-----------	--	--

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:	70 DEG F
----------------------	--	--	--	----------	----------

DO MG/L CHART:				READING:	8.68
----------------	--	--	--	----------	------

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

DO % READING FROM METER:				READING:	96.1
--------------------------	--	--	--	----------	------

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

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

POST WORK DAY CHECK	DATE:	1/21/2021	TIME:	16:30
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PH 7 BUFFER VALUE :	7.00	+/- .2 PH UNITS	READING:	7.006
---------------------	------	-----------------	----------	-------

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:	3F2012-07		
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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

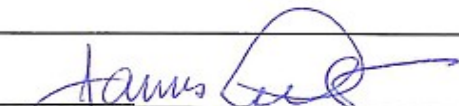
DO TEMP.FROM METER :				READING:	70.0 DEG F
----------------------	--	--	--	----------	------------

DO MG/L CHART:				READING:	8.89
----------------	--	--	--	----------	------

DO MG/L FROM METER :				READING:	8.96
----------------------	--	--	--	----------	------

DO % READING FROM METER:				READING:	100.4
--------------------------	--	--	--	----------	-------

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

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

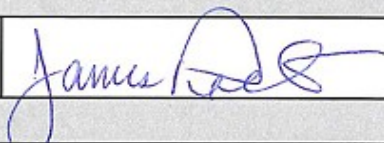
DCN:GEN-D051m
Eff 10/25/16

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	BARFIELD BRIDGE	BARFIELD BRIDGE	OLDE MARCO	OLDE MARCO	JH PARK	JH PARK	KENDALL	KENDALL
SAMPLE TIME	0915	0917	0926	0928	0942	0944	0954	0956
SAMPLE DEPTH	0.30m top	2.0m	0.30m top	1.5m	0.30m top	2.2m	0.30m top	2.0m
TOTAL DEPTH	2.30m	2.30m	1.80m	1.80m	2.50m	2.50m	2.30m	2.30m
TEMP /C	18.4	18.5	18.0	18.0	19.0	19.0	19.1	19.1
D.O. mg / L	6.74	6.41	5.90	5.75	6.26	5.83	4.44	4.69
D.O. % sat.	84.0	84.5	75.0	75.8	80.8	79.0	57.0	60.5
CONDUCTIVITY(umhos)	51,352	51,314	51,612	51,615	50,419	50,381	49,881	49,966
SALINITY ppt.	33.80	33.76	33.99	33.99	33.10	33.10	32.73	32.78
pH su.	8.22	8.25	8.34	8.34	8.32	8.32	8.29	8.30
SECCHI	2.0m	2.0m	1.8m	1.8m	2.5m	2.5m	2.3m	2.3m

FIELD COMMENTS:	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW
WEATHER :	SUNNY 63 DEG F	SUNNY 63 DEG F	SUNNY 64 DEG F	SUNNY 65 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

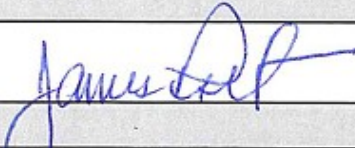
Authentication			
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			1/21/21

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	HC CENTER	HC CENTER	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP
SAMPLE TIME	1005	1007	1018	1020	1030	1032	1034	1036
SAMPLE DEPTH	0.30m top	2.50m	0.30m top	1.50m	0.30m top	1.90m	0.30m top	1.90m
TOTAL DEPTH	2.80m	2.80m	1.80m	1.80m	2.20m	2.20m	2.20m	2.20m
TEMP /C	19.4	19.6	19.4	19.4	19.0	19.0	19.0	19.0
D.O. mg / L	4.91	4.13	4.95	4.36	4.72	4.69	4.54	3.83
D.O. % sat.	64.1	54.1	64.4	58.2	62.0	59.8	61.3	49.6
CONDUCTIVITY(umhos)	49,990	50,390	49,694	49,752	51,236	51,198	51,205	51,212
SALINITY ppt.	32.80	33.09	32.58	32.62	33.71	33.68	33.69	33.70
pH su.	8.33	8.30	8.32	8.32	8.25	8.34	8.34	8.33
SECCHI	2.80m	2.80m	1.80m	1.80m	2.20m	2.20m	2.20m	2.20m

FIELD COMMENTS:	OUTGOING TIDE LOW FLOW	OUTGOING TIDE NO FLOW	OUTGOING TIDE NO FLOW	OUTGOING TIDE NO FLOW
WEATHER :	SUNNY 64 DEG F	SUNNY 65 DEG F	SUNNY 66 DEG F	SUNNY 66 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			1/21/21

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	1052	1054	1105	1107	1118	1120	1130	1132
SAMPLE DEPTH	0.30m top	1.90m	0.30m top	1.10m	0.30m top	2.80m	0.30m top	1.80m
TOTAL DEPTH	2.20m	2.20m	1.40m	1.40m	3.10m	3.10m	2.10m	2.10m
TEMP /C	19.9	19.3	19.1	19.1	19.0	19.9	18.9	18.5
D.O. mg / L	4.84	5.57	5.92	5.50	5.71	5.88	4.99	5.24
D.O. % sat.	63.8	60.7	76.8	72.1	74.9	74.4	67.1	72.4
CONDUCTIVITY(umhos)	48,738	51,007	51,010	51,096	51,015	51,057	51,352	51,419
SALINITY ppt.	32.86	33.54	33.54	33.55	33.62	33.59	33.81	33.85
pH su.	8.19	8.29	8.32	8.32	8.31	8.31	8.35	8.35
SECCHI	2.00m	2.00m	1.40m	1.40m	2.90m	2.90m	1.90m	1.90m

FIELD COMMENTS:	OUTGOING TIDE NO FLOW	OUTGOING TIDE NO FLOW	OUTGOING TIDE MED FLOW	OUTGOING TIDE NO FLOW
WEATHER :	SUNNY 67 DEG F	SUNNY 68 DEG F	SUNNY 70 DEG F	SUNNY 70 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

Authentication

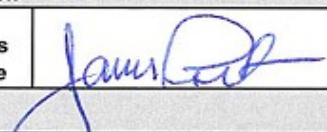
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature		Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES				1/21/21

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	EQUIP BLANK	
SAMPLE TIME	1200	1202	1150	1152	1212	1214	1218	
SAMPLE DEPTH	0.30m top	1.50m	0.30m top	1.30m	0.30m top	1.50m	NA	
TOTAL DEPTH	1.80m	1.80m	1.60m	1.60m	1.80m	1.80m	NA	
TEMP /C	19.2	19.1	19.6	19.5	19.5	19.3	NA	
D.O. mg / L	4.77	5.60	5.35	4.27	5.17	5.73	NA	
D.O. % sat.	61.1	77.7	66.7	57.7	69.1	74.1	NA	
CONDUCTIVITY(umhos)	51,416	51,503	50,222	50,399	50,579	50,771	NA	
SALINITY ppt.	33.85	33.91	32.97	33.11	33.22	33.36	NA	
pH su.	8.32	8.33	8.21	8.25	8.29	8.31	NA	
SECCHI	1.50m	1.50m	1.60m	1.60m	1.80m	1.80m	NA	

FIELD COMMENTS:	OUTGOING TIDE NO FLOW	OUTGOING TIDE NO FLOW	OUTGOING TIDE LOW FLOW	NA
WEATHER :	SUNNY 72 DEG F	SUNNY 71 DEG F	SUNNY 72 DEG F	SUNNY 72 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		Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES	Sampler's Signature		1/21/21