

June 1, 2021

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

RE: Workorder: F2102047 MARCO

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, May 17, 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: F2102047 MARCO

Lab ID	Sample ID	Matrix	Date Collected	Date Received
F2102047001	BARFIELD_BRIDGE	Water	5/17/2021 09:05	5/17/2021 12:15
F2102047002	OLDE_MARCO	Water	5/17/2021 09:17	5/17/2021 12:15
F2102047003	JH_PARK	Water	5/17/2021 07:15	5/17/2021 12:15
F2102047004	KENDALL	Water	5/17/2021 07:40	5/17/2021 12:15
F2102047005	COLLIER_BRIDGE	Water	5/17/2021 07:49	5/17/2021 12:15
F2102047006	HC_CENTER	Water	5/17/2021 08:21	5/17/2021 12:15
F2102047007	LANDMARK	Water	5/17/2021 08:30	5/17/2021 12:15
F2102047008	LANDMARK_DUP	Water	5/17/2021 08:40	5/17/2021 12:15
F2102047009	SWALLOW	Water	5/17/2021 10:00	5/17/2021 12:15
F2102047010	W_WINTERBERRY_BRIDGE	Water	5/17/2021 09:47	5/17/2021 12:15
F2102047011	E_WINTERBERRY_BRIDGE	Water	5/17/2021 10:17	5/17/2021 12:15
F2102047012	MCILVANE	Water	5/17/2021 08:06	5/17/2021 12:15
F2102047013	HOLLYHOCK	Water	5/17/2021 10:45	5/17/2021 12:15
F2102047014	HUMMINGBIRD	Water	5/17/2021 10:32	5/17/2021 12:15
F2102047015	WINDMILL	Water	5/17/2021 11:03	5/17/2021 12:15
F2102047016	EQUIPMENT_BLANK	Water	5/17/2021 11:05	5/17/2021 12:15

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047001**
Sample ID: **BARFIELD_BRIDGE**

Date Received: 05/17/21 12:15 Matrix: Water
Date Collected: 05/17/21 09:05

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			5/17/2021 09:05	X^
Secchi Disc	2		meters	1			5/17/2021 09:05	X^
Total Depth	2.5		meters	1			5/17/2021 09:05	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	55425		umhos/cm	1			5/17/2021 09:05	F^
DO Saturation %	69.6		%	1			5/17/2021 09:05	F^
Dissolved Oxygen	4.52		mg/L	1			5/17/2021 09:05	F^
Salinity	36.7		ppt	1			5/17/2021 09:05	F^
Temperature	27		°C	1			5/17/2021 09:05	F^
pH	8.05		SU	1			5/17/2021 09:05	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.227		mg/L	1	0.20	0.12	5/17/2021 09:05	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	4.4		NTU	1	0.10	0.10	5/18/2021 15:37	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.227	I	mg/L	1	0.50	0.20	5/24/2021 13:06	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.027		mg/L	1	0.01	0.005	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	3.2	1	mg/m3	1	3.0	2.5	5/25/2021 12:15	G

Report ID: 1057389 - 846720

Page 3 of 35

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047001**
 Sample ID: **BARFIELD_BRIDGE**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 09:05

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	5/25/2021 12:15	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	5/19/2021 06:44	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:44	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:44	T

Lab ID: **F2102047002**
 Sample ID: **OLDE_MARCO**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 09:17

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			5/17/2021 09:17	X^
Secchi Disc	2.5		meters	1			5/17/2021 09:17	X^
Total Depth	3		meters	1			5/17/2021 09:17	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	55508		umhos/cm	1			5/17/2021 09:17	F^
DO Saturation %	62.7		%	1			5/17/2021 09:17	F^
Dissolved Oxygen	4.08		mg/L	1			5/17/2021 09:17	F^
Salinity	36.77		ppt	1			5/17/2021 09:17	F^
Temperature	26.8		°C	1			5/17/2021 09:17	F^
pH	8.19		SU	1			5/17/2021 09:17	F^

Microbiology

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

Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F
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WET CHEMISTRY

Analysis Desc: Total
 Nitrogen, Calculated, Water

Analytical Method: Calculation

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047002** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **OLDE_MARCO** Date Collected: 05/17/21 09:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.236		mg/L	1	0.20	0.12	6/1/2021 11:39	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	3.2		NTU	1	0.10	0.10	5/18/2021 15:37	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.236	I	mg/L	1	0.50	0.20	5/24/2021 13:06	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.025		mg/L	1	0.01	0.005	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 06:46	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:46	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:46	T

Lab ID: **F2102047003** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **JH_PARK** Date Collected: 05/17/21 07:15

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			5/17/2021 07:15	X^
Secchi Disc	2.5		meters	1			5/17/2021 07:15	X^
Total Depth	5		meters	1			5/17/2021 07:15	X^

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047003**

Date Received: 05/17/21 12:15 Matrix: Water

Sample ID: **JH_PARK**

Date Collected: 05/17/21 07:15

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	55429		umhos/cm	1			5/17/2021 07:15	F^
DO Saturation %	59.9		%	1			5/17/2021 07:15	F^
Dissolved Oxygen	3.85		mg/L	1			5/17/2021 07:15	F^
Salinity	36.69		ppt	1			5/17/2021 07:15	F^
Temperature	27.5		°C	1			5/17/2021 07:15	F^
pH	8.1		SU	1			5/17/2021 07:15	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation						
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	6/1/2021 11:39	T

Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	5.4		NTU	1	0.10	0.10	5/18/2021 15:37	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	5/24/2021 13:06	G

Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.092		mg/L	1	0.01	0.005	5/19/2021 18:12	G

Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 06:47	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:47	T

Report ID: 1057389 - 846720

Page 6 of 35

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047003**

Date Received: 05/17/21 12:15 Matrix: Water

Sample ID: **JH_PARK**

Date Collected: 05/17/21 07:15

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	5/19/2021 06:47	T

Lab ID: **F2102047004**

Date Received: 05/17/21 12:15 Matrix: Water

Sample ID: **KENDALL**

Date Collected: 05/17/21 07:40

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			5/17/2021 07:40	X^
Secchi Disc	2.5		meters	1			5/17/2021 07:40	X^
Total Depth	4.5		meters	1			5/17/2021 07:40	X^

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

Conductivity	54852		umhos/cm	1			5/17/2021 07:40	F^
DO Saturation %	54.3		%	1			5/17/2021 07:40	F^
Dissolved Oxygen	3.49		mg/L	1			5/17/2021 07:40	F^
Salinity	36.26		ppt	1			5/17/2021 07:40	F^
Temperature	27.6		°C	1			5/17/2021 07:40	F^
pH	8.06		SU	1			5/17/2021 07:40	F^

Microbiology

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

Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	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	6/1/2021 11:39	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	3.2		NTU	1	0.10	0.10	5/18/2021 15:37	F
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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047004**
 Sample ID: **KENDALL**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 07:40

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	5/24/2021 13:06	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	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 06:47	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:47	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:47	T

Lab ID: **F2102047005**
 Sample ID: **COLLIER_BRIDGE**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 07:49

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			5/17/2021 07:49	X^
Secchi Disc	1.5		meters	1			5/17/2021 07:49	X^
Total Depth	4		meters	1			5/17/2021 07:49	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	54726		umhos/cm	1			5/17/2021 07:49	F^
DO Saturation %	49.2		%	1			5/17/2021 07:49	F^
Dissolved Oxygen	3.17		mg/L	1			5/17/2021 07:49	F^
Salinity	36.16		ppt	1			5/17/2021 07:49	F^

Report ID: 1057389 - 846720

Page 8 of 35

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047005**
 Sample ID: **COLLIER_BRIDGE**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 07:49

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	27.6		°C	1			5/17/2021 07:49	F^
pH	8.02		SU	1			5/17/2021 07:49	F^

Microbiology

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

Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F
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Analysis Desc: TKN,E351.2,Water Preparation Method: Copper Sulfate Digestion
 Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.20	U	mg/L	1	0.50	0.20	5/24/2021 13:06	G
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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	6/1/2021 11:39	T
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Analysis Desc: Turbidity,E180.1,Water Analytical Method: EPA 180.1

Turbidity	7.0		NTU	1	0.10	0.10	5/18/2021 15:37	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)	0.016		mg/L	1	0.01	0.005	5/19/2021 18:12	G
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Analysis Desc: Chlorophylls, SM10200H,Water Analytical Method: SM 10200 H

Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 06:48	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:48	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:48	T

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047006** Date Received: 05/17/21 12:15 Matrix: Water
Sample ID: **HC_CENTER** Date Collected: 05/17/21 08:21

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			5/17/2021 08:21	X^
Secchi Disc	3		meters	1			5/17/2021 08:21	X^
Total Depth	3.5		meters	1			5/17/2021 08:21	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	54688		umhos/cm	1			5/17/2021 08:21	F^
DO Saturation %	46.8		%	1			5/17/2021 08:21	F^
Dissolved Oxygen	3.01		mg/L	1			5/17/2021 08:21	F^
Salinity	36.13		ppt	1			5/17/2021 08:21	F^
Temperature	27.8		°C	1			5/17/2021 08:21	F^
pH	8.01		SU	1			5/17/2021 08:21	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.238		mg/L	1	0.20	0.12	6/1/2021 11:39	T
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	2.5		NTU	1	0.10	0.10	5/18/2021 15:37	F
Analysis Desc: TKN, E351.2, Water			Preparation Method: Copper Sulfate Digestion					
			Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.238	I	mg/L	1	0.50	0.20	5/24/2021 13:06	G
Analysis Desc: Total Phosphorus, E365.3, Analysis			Preparation Method: EPA 365.3					
			Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.088		mg/L	1	0.01	0.005	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H, Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	3.2		mg/m3	1	3.0	2.5	5/25/2021 12:15	G

Report ID: 1057389 - 846720

Page 10 of 35

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047006** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **HC_CENTER** Date Collected: 05/17/21 08:21

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	5/25/2021 12:15	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	5/19/2021 06:49	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:49	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:49	T

Lab ID: **F2102047007** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **LANDMARK** Date Collected: 05/17/21 08:30

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			5/17/2021 08:30	X^
Secchi Disc	2.5		meters	1			5/17/2021 08:30	X^
Total Depth	5.5		meters	1			5/17/2021 08:30	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	54501		umhos/cm	1			5/17/2021 08:30	F^
DO Saturation %	58.2		%	1			5/17/2021 08:30	F^
Dissolved Oxygen	3.72		mg/L	1			5/17/2021 08:30	F^
Salinity	36.27		ppt	1			5/17/2021 08:30	F^
Temperature	28.1		°C	1			5/17/2021 08:30	F^
pH	8.12		SU	1			5/17/2021 08:30	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F

WET CHEMISTRY

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

Workorder: F2102047 MARCO

Lab ID: **F2102047007** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **LANDMARK** Date Collected: 05/17/21 08:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	6/1/2021 11:39	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	1.7		NTU	1	0.10	0.10	5/18/2021 15:37	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	5/24/2021 13:06	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	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	6.4		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 06:50	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:50	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:50	T

Lab ID: **F2102047008** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **LANDMARK_DUP** Date Collected: 05/17/21 08:40

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			5/17/2021 08:40	X^
Secchi Disc	2.5		meters	1			5/17/2021 08:40	X^
Total Depth	5.5		meters	1			5/17/2021 08:40	X^

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047008**
Sample ID: **LANDMARK_DUP**

Date Received: 05/17/21 12:15 Matrix: Water
Date Collected: 05/17/21 08:40

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	54693		umhos/cm	1			5/17/2021 08:40	F^
DO Saturation %	65.4		%	1			5/17/2021 08:40	F^
Dissolved Oxygen	4.17		mg/L	1			5/17/2021 08:40	F^
Salinity	36.12		ppt	1			5/17/2021 08:40	F^
Temperature	28.2		°C	1			5/17/2021 08:40	F^
pH	8.14		SU	1			5/17/2021 08:40	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.233		mg/L	1	0.20	0.12	6/1/2021 11:39	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	1.7		NTU	1	0.10	0.10	5/18/2021 15:37	F

Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.233	I	mg/L	1	0.50	0.20	5/24/2021 13:06	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.062		mg/L	1	0.01	0.005	5/19/2021 18:12	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	7.2		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 06:50	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:50	T

Report ID: 1057389 - 846720

Page 13 of 35

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047008**
 Sample ID: **LANDMARK_DUP**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 08:40

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	5/19/2021 06:50	T

Lab ID: **F2102047009**
 Sample ID: **SWALLOW**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 10:00

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			5/17/2021 10:00	X^
Secchi Disc	3		meters	1			5/17/2021 10:00	X^
Total Depth	3.5		meters	1			5/17/2021 10:00	X^

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

Conductivity	52885		umhos/cm	1			5/17/2021 10:00	F^
DO Saturation %	57.3		%	1			5/17/2021 10:00	F^
Dissolved Oxygen	3.69		mg/L	1			5/17/2021 10:00	F^
Salinity	34.78		ppt	1			5/17/2021 10:00	F^
Temperature	57.3		°C	1			5/17/2021 10:00	F^
pH	8.18		SU	1			5/17/2021 10:00	F^

Microbiology

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

Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	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	6/1/2021 11:39	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	2.4		NTU	1	0.10	0.10	5/18/2021 15:37	F
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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047009**
Sample ID: **SWALLOW**

Date Received: 05/17/21 12:15 Matrix: Water
Date Collected: 05/17/21 10:00

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	5/24/2021 13:06	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	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.8		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 06:51	T
Nitrate + Nitrite	0.015	I	mg/L	1	0.020	0.010	5/19/2021 06:51	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:51	T

Lab ID: **F2102047010**
Sample ID: **W_WINTERBERRY_BRIDGE**

Date Received: 05/17/21 12:15 Matrix: Water
Date Collected: 05/17/21 09:47

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			5/17/2021 09:47	X^
Secchi Disc	2.5		meters	1			5/17/2021 09:47	X^
Total Depth	4.5		meters	1			5/17/2021 09:47	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	55024		umhos/cm	1			5/17/2021 09:47	F^
DO Saturation %	77.8		%	1			5/17/2021 09:47	F^
Dissolved Oxygen	5.01		mg/L	1			5/17/2021 09:47	F^
Salinity	36.38		ppt	1			5/17/2021 09:47	F^

Report ID: 1057389 - 846720

Page 15 of 35

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047010** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 05/17/21 09:47

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	27.6		°C	1			5/17/2021 09:47	F^
pH	8.22		SU	1			5/17/2021 09:47	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	6/1/2021 11:39	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	5.0		NTU	1	0.10	0.10	5/18/2021 15:37	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	5/24/2021 13:06	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.011		mg/L	1	0.01	0.005	5/19/2021 18:12	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.8		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 06:52	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:52	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:52	T

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047011** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 05/17/21 10:17

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			5/17/2021 10:17	X^
Secchi Disc	3		meters	1			5/17/2021 10:17	X^
Total Depth	5.5		meters	1			5/17/2021 10:17	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	55091		umhos/cm	1			5/17/2021 10:17	F^
DO Saturation %	57.4		%	1			5/17/2021 10:17	F^
Dissolved Oxygen	3.7		mg/L	1			5/17/2021 10:17	F^
Salinity	36.44		ppt	1			5/17/2021 10:17	F^
Temperature	27.5		°C	1			5/17/2021 10:17	F^
pH	8.17		SU	1			5/17/2021 10:17	F^
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F
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	5/19/2021 06:59	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 06:59	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 06:59	T
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	6/1/2021 11:39	T
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	3.9		NTU	1	0.10	0.10	5/18/2021 15:37	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	5/24/2021 13:06	G

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047011** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 05/17/21 10:17

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.048		mg/L	1	0.01	0.005	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	3.2		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	G

Lab ID: **F2102047012** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **MCILVANE** Date Collected: 05/17/21 08:06

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			5/17/2021 08:06	X^
Secchi Disc	2.5		meters	1			5/17/2021 08:06	X^
Total Depth	3.25		meters	1			5/17/2021 08:06	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	55076		umhos/cm	1			5/17/2021 08:06	F^
DO Saturation %	58.3		%	1			5/17/2021 08:06	F^
Dissolved Oxygen	3.78		mg/L	1			5/17/2021 08:06	F^
Salinity	36.44		ppt	1			5/17/2021 08:06	F^
Temperature	27.1		°C	1			5/17/2021 08:06	F^
pH	8.24		SU	1			5/17/2021 08:06	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F

WET CHEMISTRY

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047012**
Sample ID: **MCILVANE**

Date Received: 05/17/21 12:15 Matrix: Water
Date Collected: 05/17/21 08:06

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.308		mg/L	1	0.20	0.12	6/1/2021 11:39	T
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	5.3		NTU	1	0.10	0.10	5/18/2021 15:37	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.308	I	mg/L	1	0.50	0.20	5/24/2021 13:06	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.088		mg/L	1	0.01	0.005	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 07:01	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 07:01	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 07:01	T

Lab ID: **F2102047013**
Sample ID: **HOLLYHOCK**

Date Received: 05/17/21 12:15 Matrix: Water
Date Collected: 05/17/21 10:45

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			5/17/2021 10:45	X^
Secchi Disc	2		meters	1			5/17/2021 10:45	X^
Total Depth	2		meters	1			5/17/2021 10:45	X^

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047013**
Sample ID: **HOLLYHOCK**

Date Received: 05/17/21 12:15 Matrix: Water
Date Collected: 05/17/21 10:45

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	55729		umhos/cm	1			5/17/2021 10:45	F^
DO Saturation %	57.1		%	1			5/17/2021 10:45	F^
Dissolved Oxygen	3.68		mg/L	1			5/17/2021 10:45	F^
Salinity	36.92		ppt	1			5/17/2021 10:45	F^
Temperature	27.3		°C	1			5/17/2021 10:45	F^
pH	8.11		SU	1			5/17/2021 10:45	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.212		mg/L	1	0.20	0.12	6/1/2021 11:39	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	2.3		NTU	1	0.10	0.10	5/18/2021 15:37	F

Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.212	I	mg/L	1	0.50	0.20	5/24/2021 13:06	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.032		mg/L	1	0.01	0.005	5/19/2021 18:12	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 07:02	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 07:02	T

Report ID: 1057389 - 846720

Page 20 of 35

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047013** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **HOLLYHOCK** Date Collected: 05/17/21 10:45

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	5/19/2021 07:02	T

Lab ID: **F2102047014** Date Received: 05/17/21 12:15 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 05/17/21 10:32

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	U	meters	1			5/17/2021 10:32	X^
Secchi Disc	1.5		meters	1			5/17/2021 10:32	X^
Total Depth	2.5		meters	1			5/17/2021 10:32	X^

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	54840		umhos/cm	1			5/17/2021 10:32	F^
DO Saturation %	50.6		%	1			5/17/2021 10:32	F^
Dissolved Oxygen	3.27		mg/L	1			5/17/2021 10:32	F^
Salinity	36.25		ppt	1			5/17/2021 10:32	F^
Temperature	27.4		°C	1			5/17/2021 10:32	F^
pH	8.01		SU	1			5/17/2021 10:32	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation						
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	6/1/2021 11:39	T

Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	3.0		NTU	1	0.10	0.10	5/18/2021 15:37	F

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047014**
 Sample ID: **HUMMINGBIRD**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 10:32

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	5/24/2021 13:06	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.025		mg/L	1	0.01	0.005	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	3.2		mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 07:02	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 07:02	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 07:02	T

Lab ID: **F2102047015**
 Sample ID: **WINDMILL**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 11:03

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			5/17/2021 11:03	X^
Secchi Disc	2.5		meters	1			5/17/2021 11:03	X^
Total Depth	4		meters	1			5/17/2021 11:03	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	55455		umhos/cm	1			5/17/2021 11:03	F^
DO Saturation %	63		%	1			5/17/2021 11:03	F^
Dissolved Oxygen	4.05		mg/L	1			5/17/2021 11:03	F^
Salinity	36.71		ppt	1			5/17/2021 11:03	F^

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047015**

Date Received: 05/17/21 12:15 Matrix: Water

Sample ID: **WINDMILL**

Date Collected: 05/17/21 11:03

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	27.6		°C	1			5/17/2021 11:03	F^
pH	8.12		SU	1			5/17/2021 11:03	F^

Microbiology

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

Enterococcus	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F
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Analysis Desc: TKN,E351.2,Water Preparation Method: Copper Sulfate Digestion
 Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.20	U	mg/L	1	0.50	0.20	5/24/2021 13:06	G
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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	6/1/2021 11:39	T
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Analysis Desc: Turbidity,E180.1,Water Analytical Method: EPA 180.1

Turbidity	2.6		NTU	1	0.10	0.10	5/18/2021 15:37	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)	0.085		mg/L	1	0.01	0.005	5/19/2021 18:12	G
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Analysis Desc: Chlorophylls, SM10200H,Water Analytical Method: SM 10200 H

Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 07:03	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 07:03	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 07:03	T

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ANALYTICAL RESULTS

Workorder: F2102047 MARCO

Lab ID: **F2102047016**
 Sample ID: **EQUIPMENT_BLANK**

Date Received: 05/17/21 12:15 Matrix: Water
 Date Collected: 05/17/21 11:05

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	10	U	MPN/100 mL	10	10	10	5/17/2021 14:11	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	6/1/2021 11:39	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.10	U	NTU	1	0.10	0.10	5/18/2021 15:37	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	5/24/2021 13:06	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.083		mg/L	1	0.01	0.005	5/19/2021 18:12	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	5/25/2021 12:15	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	5/19/2021 07:04	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	5/19/2021 07:04	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	5/19/2021 07:04	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: F2102047 MARCO

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: 5/19/21 11:32

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: F2102047 MARCO

QC Batch: MICf/1185 Analysis Method: ENTEROLERT/ QUANTI-TRAY
QC Batch Method: ENTEROLERT/ QUANTI-TRAY Prepared:
Associated Lab Samples: F2102047001, F2102047002, F2102047003, F2102047004, F2102047005, F2102047006, F2102047007,

METHOD BLANK: 3889577

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

QC Batch: WCAf/1351 Analysis Method: EPA 180.1
QC Batch Method: EPA 180.1 Prepared:
Associated Lab Samples: F2102047001, F2102047002, F2102047003, F2102047004, F2102047005, F2102047006, F2102047007,

METHOD BLANK: 3889589

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

QC Batch: WCAf/4277 Analysis Method: SM 4500NO3-F (Low Level)
QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
Associated Lab Samples: F2102047001, F2102047002, F2102047003, F2102047004, F2102047005, F2102047006, F2102047007,

METHOD BLANK: 3892225

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/4278 Analysis Method: SM 4500NO3-F (Low Level)
QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
Associated Lab Samples: F2102047011, F2102047012, F2102047013, F2102047014, F2102047015, F2102047016

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QUALITY CONTROL DATA

Workorder: F2102047 MARCO

QC Batch: WCAg/2593 Analysis Method: EPA 351.2
 QC Batch Method: Copper Sulfate Digestion Prepared: 05/21/2021 14:55
 Associated Lab Samples: F2102047006, F2102047007, F2102047008, F2102047009, F2102047010, F2102047011, F2102047012,

METHOD BLANK: 3896660

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

QC Batch: WCAg/2612 Analysis Method: SM 10200 H
 QC Batch Method: SM 10200 H Prepared:
 Associated Lab Samples: F2102047001, F2102047002, F2102047003, F2102047004, F2102047005, F2102047006, F2102047007,

METHOD BLANK: 3898390

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

METHOD BLANK: 3898392

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

QUALITY CONTROL DATA QUALIFIERS

Workorder: F2102047 MARCO

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: F2102047 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102047001	BARFIELD_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047002	OLDE_MARCO			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047003	JH_PARK			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047004	KENDALL			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047005	COLLIER_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047006	HC_CENTER			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047007	LANDMARK			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047008	LANDMARK_DUP			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047009	SWALLOW			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047010	W_WINTERBERRY_BRID GE			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047011	E_WINTERBERRY_BRIDG E			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047012	MCILVANE			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047013	HOLLYHOCK			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047014	HUMMINGBIRD			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047015	WINDMILL			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047016	EQUIPMENT_BLANK			ENTEROLERT/ QUANTI-TRAY	MICf/1185
F2102047001	BARFIELD_BRIDGE			EPA 180.1	WCAf/1351
F2102047002	OLDE_MARCO			EPA 180.1	WCAf/1351
F2102047003	JH_PARK			EPA 180.1	WCAf/1351
F2102047004	KENDALL			EPA 180.1	WCAf/1351
F2102047005	COLLIER_BRIDGE			EPA 180.1	WCAf/1351
F2102047006	HC_CENTER			EPA 180.1	WCAf/1351
F2102047007	LANDMARK			EPA 180.1	WCAf/1351
F2102047008	LANDMARK_DUP			EPA 180.1	WCAf/1351
F2102047009	SWALLOW			EPA 180.1	WCAf/1351
F2102047010	W_WINTERBERRY_BRID GE			EPA 180.1	WCAf/1351
F2102047011	E_WINTERBERRY_BRIDG E			EPA 180.1	WCAf/1351
F2102047012	MCILVANE			EPA 180.1	WCAf/1351

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102047 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102047013	HOLLYHOCK			EPA 180.1	WCAf/1351
F2102047014	HUMMINGBIRD			EPA 180.1	WCAf/1351
F2102047015	WINDMILL			EPA 180.1	WCAf/1351
F2102047016	EQUIPMENT_BLANK			EPA 180.1	WCAf/1351
F2102047001	BARFIELD_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047002	OLDE_MARCO			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047003	JH_PARK			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047004	KENDALL			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047005	COLLIER_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047006	HC_CENTER			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047007	LANDMARK			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047008	LANDMARK_DUP			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047009	SWALLOW			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047010	W_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/4277
F2102047011	E_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/4278
F2102047012	MCILVANE			SM 4500NO3-F (Low Level)	WCAf/4278
F2102047013	HOLLYHOCK			SM 4500NO3-F (Low Level)	WCAf/4278
F2102047014	HUMMINGBIRD			SM 4500NO3-F (Low Level)	WCAf/4278
F2102047015	WINDMILL			SM 4500NO3-F (Low Level)	WCAf/4278
F2102047016	EQUIPMENT_BLANK			SM 4500NO3-F (Low Level)	WCAf/4278
F2102047001	BARFIELD_BRIDGE	EPA 365.3	WCAg/2549	EPA 365.3	WCAg/2577
F2102047002	OLDE_MARCO	EPA 365.3	WCAg/2549	EPA 365.3	WCAg/2577
F2102047003	JH_PARK	EPA 365.3	WCAg/2549	EPA 365.3	WCAg/2577
F2102047004	KENDALL	EPA 365.3	WCAg/2549	EPA 365.3	WCAg/2577
F2102047005	COLLIER_BRIDGE	EPA 365.3	WCAg/2549	EPA 365.3	WCAg/2577
F2102047006	HC_CENTER	EPA 365.3	WCAg/2549	EPA 365.3	WCAg/2577

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102047 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102047007	LANDMARK	EPA 365.3	WCAG/2549	EPA 365.3	WCAG/2577
F2102047008	LANDMARK_DUP	EPA 365.3	WCAG/2549	EPA 365.3	WCAG/2577
F2102047009	SWALLOW	EPA 365.3	WCAG/2549	EPA 365.3	WCAG/2577
F2102047010	W_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/2549	EPA 365.3	WCAG/2577
F2102047011	E_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/2549	EPA 365.3	WCAG/2577
F2102047012	MCILVANE	EPA 365.3	WCAG/2549	EPA 365.3	WCAG/2577
F2102047013	HOLLYHOCK	EPA 365.3	WCAG/2549	EPA 365.3	WCAG/2577
F2102047014	HUMMINGBIRD	EPA 365.3	WCAG/2549	EPA 365.3	WCAG/2577
F2102047015	WINDMILL	EPA 365.3	WCAG/2550	EPA 365.3	WCAG/2578
F2102047016	EQUIPMENT_BLANK	EPA 365.3	WCAG/2550	EPA 365.3	WCAG/2578
F2102047001	BARFIELD_BRIDGE	Copper Sulfate Digestion	WCAG/2592	EPA 351.2	WCAG/2629
F2102047002	OLDE_MARCO	Copper Sulfate Digestion	WCAG/2592	EPA 351.2	WCAG/2629
F2102047003	JH_PARK	Copper Sulfate Digestion	WCAG/2592	EPA 351.2	WCAG/2629
F2102047004	KENDALL	Copper Sulfate Digestion	WCAG/2592	EPA 351.2	WCAG/2629
F2102047005	COLLIER_BRIDGE	Copper Sulfate Digestion	WCAG/2592	EPA 351.2	WCAG/2629
F2102047006	HC_CENTER	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047007	LANDMARK	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047008	LANDMARK_DUP	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047009	SWALLOW	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047010	W_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047011	E_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047012	MCILVANE	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047013	HOLLYHOCK	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047014	HUMMINGBIRD	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047015	WINDMILL	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047016	EQUIPMENT_BLANK	Copper Sulfate Digestion	WCAG/2593	EPA 351.2	WCAG/2631
F2102047001	BARFIELD_BRIDGE			SM 10200 H	WCAG/2612
F2102047002	OLDE_MARCO			SM 10200 H	WCAG/2612

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102047 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102047003	JH_PARK			SM 10200 H	WCAg/2612
F2102047004	KENDALL			SM 10200 H	WCAg/2612
F2102047005	COLLIER_BRIDGE			SM 10200 H	WCAg/2612
F2102047006	HC_CENTER			SM 10200 H	WCAg/2612
F2102047007	LANDMARK			SM 10200 H	WCAg/2612
F2102047008	LANDMARK_DUP			SM 10200 H	WCAg/2612
F2102047009	SWALLOW			SM 10200 H	WCAg/2612
F2102047010	W_WINTERBERRY_BRIDGE			SM 10200 H	WCAg/2612
F2102047011	E_WINTERBERRY_BRIDGE			SM 10200 H	WCAg/2612
F2102047012	MCILVANE			SM 10200 H	WCAg/2612
F2102047013	HOLLYHOCK			SM 10200 H	WCAg/2612
F2102047014	HUMMINGBIRD			SM 10200 H	WCAg/2612
F2102047015	WINDMILL			SM 10200 H	WCAg/2612
F2102047016	EQUIPMENT_BLANK			SM 10200 H	WCAg/2612
F2102047001	BARFIELD_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2102047001	BARFIELD_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2102047001	BARFIELD_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047002	OLDE_MARCO	Calculation	CLCt/	Calculation	CLCt/
F2102047002	OLDE_MARCO	DISRES	FLDx/	DISRES	FLDx/
F2102047002	OLDE_MARCO	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047003	JH_PARK	Calculation	CLCt/	Calculation	CLCt/
F2102047003	JH_PARK	DISRES	FLDx/	DISRES	FLDx/
F2102047003	JH_PARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047004	KENDALL	Calculation	CLCt/	Calculation	CLCt/
F2102047004	KENDALL	DISRES	FLDx/	DISRES	FLDx/
F2102047004	KENDALL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047005	COLLIER_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2102047005	COLLIER_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2102047005	COLLIER_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047006	HC_CENTER	Calculation	CLCt/	Calculation	CLCt/
F2102047006	HC_CENTER	DISRES	FLDx/	DISRES	FLDx/
F2102047006	HC_CENTER	Field Measurements	FLDf/	Field Measurements	FLDf/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102047 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102047007	LANDMARK	Calculation	CLCt/	Calculation	CLCt/
F2102047007	LANDMARK	DISRES	FLDx/	DISRES	FLDx/
F2102047007	LANDMARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047008	LANDMARK_DUP	Calculation	CLCt/	Calculation	CLCt/
F2102047008	LANDMARK_DUP	DISRES	FLDx/	DISRES	FLDx/
F2102047008	LANDMARK_DUP	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047009	SWALLOW	Calculation	CLCt/	Calculation	CLCt/
F2102047009	SWALLOW	DISRES	FLDx/	DISRES	FLDx/
F2102047009	SWALLOW	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047010	W_WINTERBERRY_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2102047010	W_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2102047010	W_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047011	E_WINTERBERRY_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2102047011	E_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2102047011	E_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047012	MCILVANE	Calculation	CLCt/	Calculation	CLCt/
F2102047012	MCILVANE	DISRES	FLDx/	DISRES	FLDx/
F2102047012	MCILVANE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047013	HOLLYHOCK	Calculation	CLCt/	Calculation	CLCt/
F2102047013	HOLLYHOCK	DISRES	FLDx/	DISRES	FLDx/
F2102047013	HOLLYHOCK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047014	HUMMINGBIRD	Calculation	CLCt/	Calculation	CLCt/
F2102047014	HUMMINGBIRD	DISRES	FLDx/	DISRES	FLDx/
F2102047014	HUMMINGBIRD	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047015	WINDMILL	Calculation	CLCt/	Calculation	CLCt/
F2102047015	WINDMILL	DISRES	FLDx/	DISRES	FLDx/
F2102047015	WINDMILL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102047016	EQUIPMENT_BLANK	Calculation	CLCt/	Calculation	CLCt/

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Altamonte Springs: 380 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: ES3076
Fort Myers: 13100 Westfield Terrace, Ste. 10, FL 33913 • 239.674.6130 • Lab ID: ES4492
Jacksonville: 6691 Southpoint Pkwy., FL 32216 • 904.363.9350 • 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: _____
Tampa: _____

* F 2 1 0 2 0 4 7 *



Client Name: City of Marco Island		Project Name: MARCO	
Address: 50 Bald Eagle Dr. Marco Island, FL 314145		Project Number:	
Phone: 239-300-1462		FDEP Facility No.:	
FAX: _____		FDEP Facility Addr.:	
Contact: Jason Tomasesetti		Special Instructions:	
Sampled By: P. Manard		ADAPT	
Turn Around Time: Standard X Rush		EQUIS	
AEL Profile #: 65884		Other	
SAMPLE ID		SAMPLE DESCRIPTION	
Grab Comp		NO. COUNT	
DATE		TIME	
MATRIX		WIN	
BARFIELD_BRIDGE		Grab 5/17/21 9:05 SW 4	
OLDE_MARCO		Grab 5/17/21 9:17 SW 4	
JH_PARK		Grab 5/17/21 7:15 SW 4	
KENDALL		Grab 5/17/21 7:20 SW 4	
COLLIER_BRIDGE		Grab 5/17/21 7:49 SW 4	
HC_CENTER		Grab 5/17/21 8:21 SW 4	
LANDMARK		Grab 5/17/21 8:30 SW 4	
LANDMARK_DUP		Grab 5/17/21 8:40 SW 4	
SWALLOW		Grab 5/17/21 10:00 SW 4	
W_WINTERBERRY_BRIDGE		Grab 5/17/21 9:19 SW 4	
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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Temp taken from sample <input type="checkbox"/> Temp from blank <input checked="" type="checkbox"/> Where required, pH checked		Temp: when received (observed) 5.6 °C Temp: when received (corrected) 5.6 °C	
DCN: AD-DQS1 (web) Form last revised 08/07/2019		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 (E: 1A)	
Spring/Stand by: _____ Date: 5/17/21 Time: 12:15		Received by: _____ Date: 5/17/21 Time: 12:15	
1		2	
2		3	
3		4	
4		5	

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 Northlake Blvd, Ste. 1046, FL 32701 • 407.937.1594 • Lab ID: E53076
 Fort Myers: 13100 Westlins Terrace, Ste. 10, FL 33913 • 239.674.6130 • Lab ID: E84492
 Jacksonville: 6631 Southport Pkwy., FL 32216 • 904.353.9350 • Lab ID: E82574
 Tallahassee: 2539 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095

F2102047 Page 2 of 2
 Gainesville: 4965 SW 41st Blvd, FL 32609 • 352.377.2349 • Lab ID: E82001
 Miramar: 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: E82535
 Tampa: 9510 Progress Palm Ave., FL 33619 • 813.830.9516 • Lab ID: E84589

Client Name: **City of Marco Island** Project Name: **MARCO**
 Address: **50 Bald Eagle Dr.** Project Number:
Marco Island, FL 314145 PO Number:
 Phone: **239-300-1462** FDEP Facility No.:
 FAX: FDEP Facility Addr.:
 Contact: **Jason Tomasesetti** Special Instructions:
 Sampled By: **P. Manard**
 Turn Around Time: **Standard X Rush**
 AEL Profile #: **65884** ADAPT EQUIS Other WIN

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	ANALYSIS REQUIRED				LABORATORY I.D. NUMBER
			DATE	TIME			NO2/NO3	TKN/TP/TN	Chlor-A/Turbidity	Enterococci	
E_WINTERBERRY_BRIDGE	Grab	5/17/21	10:14	SW	4	X	X	X	X	011	
	MCILVANE	Grab	5/17/21	8:06	SW	4	X	X	X	012	
	HOLLYHOCK	Grab	5/17/21	11:45	SW	4	X	X	X	013	
	HUMMINGBIRD	Grab	5/17/21	10:32	SW	4	X	X	X	014	
	WINDMILL	Grab	5/17/21	17:03	SW	4	X	X	X	015	
	EQUIPMENT_BLANK	Grab	5/17/21	11:05	SW	4	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
 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: 4A
 Temp. when received (observed) 5/6 °C Temp. when received (corrected) 5/6 °C

	Relinquished by:	Date	Time	Received by:	Date	Time
1	<i>[Signature]</i>	5-17-21	12:15	<i>[Signature]</i>	5/17/21	12:15
2						
3						
4						

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

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	9:03	9:04	9:27	9:28	7:34	7:35	7:42	7:43
SAMPLE DEPTH	0.30m top	2.25	0.30m top	2.75	0.30m top	4.0	0.30m top	4.0
TOTAL DEPTH	2.5	2.5	3.0	3.0	5.0	5.0	4.5	4.5
TEMP /C	27	27	26.8	26.8	27.5	27.5	27.6	27.7
D.O. mg / L	4.52	4.49	4.08	3.61	3.85	3.44	3.49	3.55
D.O. % sat.	69.6	69.3	62.7	55.6	59.9	53.5	54.3	55.2
CONDUCTIVITY(umhos)	55425	55508	55508	55640	55429	55432	54852	54984
SALINITY ppt.	36.7	36.76	36.77	36.87	36.69	36.69	36.26	36.35
pH su.	8.05	8.05	8.19	8.19	8.10	8.10	8.06	8.06
SECCHI DEPTH	2.0	2.0	2.5	2.5	2.5	2.5	2.5	2.5

FIELD COMMENTS:	Outgoing Tide FULL SUN	Outgoing Tide FULL SUN	Outgoing Tide FULL SUN HAZY	Outgoing Tide FULL SUN
WEATHER :	75 DEG F	76 DEG F	69 DEG F	70 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

Authentication

SAMPLED BY: (PRINT) /	FF / AEL	Sampler's Signature	
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES		Date	5/17/21

Advanced Environmental Laboratories, Inc

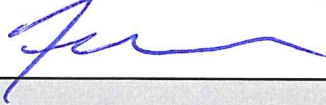
Client Name: **CITY OF MARCO ISLAND** Site Name: **MARCO ISLAND WATERWAYS**

Water Sample Parameters

SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	HC CENTER	HC CENTER	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP
SAMPLE TIME	7:49	7:50	8:23	8:24	8:33	8:34	8:35	8:36
SAMPLE DEPTH	0.30m top	3.75	0.30m top	3.25	0.30m top	5.00	0.30m top	5.00
TOTAL DEPTH	4.0	4.0	3.5	3.5	5.5	5.5	5.5	5.5
TEMP /C	27.6	27.7	27.8	27.9	28.1	28.2	28.2	28.2
D.O. mg / L	3.17	2.91	3.01	3.00	3.72	3.55	4.17	3.63
D.O. % sat.	49.2	45.2	46.8	46.8	58.2	55.6	65.4	57.0
CONDUCTIVITY(umhos)	54726	54852	54688	54882	54501	54687	54693	54714
SALINITY ppt.	36.16	36.25	36.13	36.27	35.98	36.11	36.12	36.13
pH su.	8.02	8.02	8.01	8.01	8.12	8.12	8.14	8.14
SECCHI DEPTH	1.5	1.5	3.0	3.0	2.5	2.5	2.5	2.5

FIELD COMMENTS:	Outgoing Tide FULL SUN BREEZY	Outgoing Tide FULL SUN BREEZY	Outgoing Tide FULL SUN BREEZY	Outgoing Tide FULL SUN BREEZY
WEATHER :	72 DEG F	73 DEG F	74 DEG F	74 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

Authentication

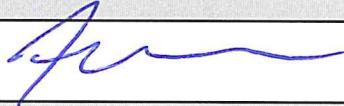
SAMPLED BY: (PRINT) /	FF / AEL	Sampler's Signature		Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES				5/17/21

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	SWALLOW	SWALLOW	WEST WB BRIDGE	WEST WB BRIDGE	EAST WB BRIDGE	EAST WB BRIDGE	MCILVANE	MCILVANE
SAMPLE TIME	10:02	10:03	9:48	9:49	10:17	10:18	8:08	8:09
SAMPLE DEPTH	0.30m top	3.00	0.30m top	4.00	0.30m top	5.00	0.30m top	3.00
TOTAL DEPTH	3.50	3.50	4.50	4.50	5.5	5.5	3.25	3.25
TEMP /C	28.1	28.2	27.6	27.7	27.5	27.5	27.1	27.2
D.O. mg / L	3.69	3.52	5.01	5.64	3.70	3.21	3.78	3.5
D.O. % sat.	57.3	55.2	77.8	87.7	57.4	49.8	58.3	54.0
CONDUCTIVITY(umhos)	52885	54728	55024	55063	55091	55152	55076	55193
SALINITY ppt.	34.78	36.14	36.38	36.41	36.44	36.48	36.44	36.52
pH su.	8.18	8.18	8.22	8.22	8.17	8.17	8.24	8.24
SECCHI DEPTH	3.0	3.0	2.5	2.5	3.0	3.0	2.5	2.5

FIELD COMMENTS:	Outgoing Tide FULL SUN BREEZY	Outgoing Tide FULL SUN BREEZY	Outgoing Tide FULL SUN BREEZY	Outgoing Tide FULL SUN BREEZY
WEATHER :	78 DEG F	78 DEG F	79 DEG F	73 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

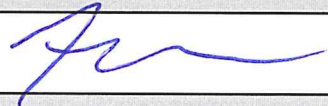
Authentication			
SAMPLED BY: (PRINT) /	FF / AEL	Sampler's Signature	
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			Date 4/19/21

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	10:52	10:53	10:32	10:33	11:02	11:03	11:21	
SAMPLE DEPTH	0.30m top	1.75	0.30m top	2.25	0.30m top	3.75	NA	
TOTAL DEPTH	2.00	2.00	2.50	2.50	4.00	4.00	NA	
TEMP /C	27.3	27.2	27.4	27.3	27.6	27.4	NA	
D.O. mg / L	3.68	4.32	3.27	2.79	4.05	3.18	NA	
D.O. % sat.	57.1	67.0	50.6	43.1	63.0	51.2	NA	
CONDUCTIVITY(umhos)	55729	55951	54840	55038	55455	55631	NA	
SALINITY ppt.	36.92	37.09	36.25	36.40	36.71	36.79	NA	
pH su.	8.11	8.11	8.01	8.01	8.12	8.12	NA	
SECCHI DEPTH	2.0	2.0	1.5	1.5	2.5	2.5	NA	

FIELD COMMENTS:	Outgoing Tide FULL SUN BREEZY	Outgoing Tide FULL SUN BREEZY	Outgoing Tide FULL SUN BREEZY	NA
WEATHER :	81 DEG F	81 DEG F	82 DEG F	82 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

Authentication			
SAMPLED BY: (PRINT) /	FF / AEL		Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES	Sampler's Signature		5/17/21