

July 13, 2021

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

RE: Workorder: F2102588 MARCO

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, June 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

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



### SAMPLE SUMMARY

Workorder: F2102588 MARCO

Lab ID	Sample ID	Matrix	Date Collected	Date Received
F2102588001	BARFIELD_BRIDGE	Water	6/21/2021 12:10	6/21/2021 17:00
F2102588002	OLDE_MARCO	Water	6/21/2021 12:35	6/21/2021 17:00
F2102588003	JH_PARK	Water	6/21/2021 12:50	6/21/2021 17:00
F2102588004	KENDALL	Water	6/21/2021 13:10	6/21/2021 17:00
F2102588005	COLLIER_BRIDGE	Water	6/21/2021 13:20	6/21/2021 17:00
F2102588006	HC_CENTER	Water	6/21/2021 13:55	6/21/2021 17:00
F2102588007	LANDMARK	Water	6/21/2021 13:40	6/21/2021 17:00
F2102588008	LANDMARK_DUP	Water	6/21/2021 13:45	6/21/2021 17:00
F2102588009	SWALLOW	Water	6/21/2021 14:15	6/21/2021 17:00
F2102588010	W_WINTERBERRY_BRIDGE	Water	6/21/2021 14:25	6/21/2021 17:00
F2102588011	E_WINTERBERRY_BRIDGE	Water	6/21/2021 14:35	6/21/2021 17:00
F2102588012	MCILVANE	Water	6/21/2021 14:50	6/21/2021 17:00
F2102588013	HOLLYHOCK	Water	6/21/2021 15:20	6/21/2021 17:00
F2102588014	HUMMINGBIRD	Water	6/21/2021 15:05	6/21/2021 17:00
F2102588015	WINDMILL	Water	6/21/2021 15:35	6/21/2021 17:00
F2102588016	EQUIPMENT_BLANK	Water	6/21/2021 15:40	6/21/2021 17:00

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



## ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588001** Date Received: 06/21/21 17:00 Matrix: Water  
Sample ID: **BARFIELD\_BRIDGE** Date Collected: 06/21/21 12:10

Sample Description: \_\_\_\_\_ Location: \_\_\_\_\_

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			6/21/2021 12:10	X^
Secchi Disc	2.5		meters	1			6/21/2021 12:10	X^
Total Depth	2.5		meters	1			6/21/2021 12:10	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	55339		umhos/cm	1			6/21/2021 12:10	F^
DO Saturation %	84		%	1			6/21/2021 12:10	F^
Dissolved Oxygen	43.97		mg/L	1			6/21/2021 12:10	F^
Salinity	36.94		ppt	1			6/21/2021 12:10	F^
Temperature	30.6		°C	1			6/21/2021 12:10	F^
pH	7.75		SU	1			6/21/2021 12:10	F^
<b>WET CHEMISTRY</b>								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	6/21/2021 17:27	F
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.109	J4	mg/L	1	0.01	0.005	6/25/2021 10:47	G
<b>WET CHEMISTRY</b>								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.728		mg/L	1	0.20	0.12	7/13/2021 21:32	G
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	1.8		NTU	1	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.708		mg/L	1	0.50	0.20	6/24/2021 12:38	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	8.8	1	mg/m3	1	3.0	2.5	6/28/2021 14:30	G

Report ID: 1065034 - 1110557

Page 3 of 35

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588001** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **BARFIELD\_BRIDGE** Date Collected: 06/21/21 12:10

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Phaeophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	<b>0.017</b>		<b>mg/L</b>	<b>1</b>	0.010	0.0060	6/22/2021 18:42	T
Nitrate + Nitrite	<b>0.020</b>		<b>mg/L</b>	<b>1</b>	0.020	0.010	6/22/2021 18:42	T
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 18:42	T

Lab ID: **F2102588002** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **OLDE\_MARCO** Date Collected: 06/21/21 12:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 12:35	X^
Secchi Disc	<b>3</b>		<b>meters</b>	<b>1</b>			6/21/2021 12:35	X^
Total Depth	<b>3</b>		<b>meters</b>	<b>1</b>			6/21/2021 12:35	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>54714</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 12:35	F^
DO Saturation %	<b>72</b>		<b>%</b>	<b>1</b>			6/21/2021 12:35	F^
Dissolved Oxygen	<b>4.25</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 12:35	F^
Salinity	<b>36.13</b>		<b>ppt</b>	<b>1</b>			6/21/2021 12:35	F^
Temperature	<b>30.4</b>		<b>°C</b>	<b>1</b>			6/21/2021 12:35	F^
pH	<b>7.92</b>		<b>SU</b>	<b>1</b>			6/21/2021 12:35	F^

#### Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	<b>10</b>	<b>U</b>	<b>MPN/100 mL</b>	<b>10</b>	10	10	6/21/2021 17:27	F

#### WET CHEMISTRY

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

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588002** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **OLDE\_MARCO** Date Collected: 06/21/21 12:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	<b>0.495</b>		<b>mg/L</b>	<b>1</b>	0.20	0.12	7/13/2021 21:32	G
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	<b>3.1</b>		<b>NTU</b>	<b>1</b>	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	<b>0.495</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.50	0.20	6/24/2021 12:38	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	<b>0.063</b>		<b>mg/L</b>	<b>1</b>	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>5.6</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	<b>0.0060</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0060	6/22/2021 18:44	T
Nitrate + Nitrite	<b>0.010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.020	0.010	6/22/2021 18:44	T
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 18:44	T

Lab ID: **F2102588003** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **JH\_PARK** Date Collected: 06/21/21 12:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 12:35	X^
Secchi Disc	<b>5</b>		<b>meters</b>	<b>1</b>			6/21/2021 12:35	X^
Total Depth	<b>5</b>		<b>meters</b>	<b>1</b>			6/21/2021 12:35	X^

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588003**

Date Received: 06/21/21 17:00 Matrix: Water

Sample ID: **JH\_PARK**

Date Collected: 06/21/21 12:50

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	<b>54687</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 12:35	F^
DO Saturation %	<b>86.7</b>		<b>%</b>	<b>1</b>			6/21/2021 12:35	F^
Dissolved Oxygen	<b>5.12</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 12:35	F^
Salinity	<b>36.11</b>		<b>ppt</b>	<b>1</b>			6/21/2021 12:35	F^
Temperature	<b>31.2</b>		<b>°C</b>	<b>1</b>			6/21/2021 12:35	F^
pH	<b>7.95</b>		<b>SU</b>	<b>1</b>			6/21/2021 12:35	F^

#### Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	<b>10</b>		<b>MPN/100 mL</b>	<b>10</b>	<b>10</b>	<b>10</b>	6/21/2021 17:27	F

#### WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation						
Total Nitrogen	<b>0.405</b>		<b>mg/L</b>	<b>1</b>	<b>0.20</b>	<b>0.12</b>	7/13/2021 21:32	G

Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	<b>2.2</b>		<b>NTU</b>	<b>1</b>	<b>0.10</b>	<b>0.10</b>	6/22/2021 14:08	F

Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	<b>0.405</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	<b>0.50</b>	<b>0.20</b>	6/24/2021 12:38	G

Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	<b>0.074</b>		<b>mg/L</b>	<b>1</b>	<b>0.01</b>	<b>0.005</b>	6/25/2021 10:47	G

Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>7.2</b>		<b>mg/m3</b>	<b>1</b>	<b>3.0</b>	<b>2.5</b>	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	<b>3.0</b>	<b>2.5</b>	6/28/2021 14:30	G

Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	<b>0.0060</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	<b>0.010</b>	<b>0.0060</b>	6/22/2021 18:45	T
Nitrate + Nitrite	<b>0.010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	<b>0.020</b>	<b>0.010</b>	6/22/2021 18:45	T

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588003**  
 Sample ID: **JH\_PARK**

Date Received: 06/21/21 17:00 Matrix: Water  
 Date Collected: 06/21/21 12:50

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 18:45	T

Lab ID: **F2102588004**  
 Sample ID: **KENDALL**

Date Received: 06/21/21 17:00 Matrix: Water  
 Date Collected: 06/21/21 13:10

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	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 13:10	X^
Secchi Disc	<b>3</b>		<b>meters</b>	<b>1</b>			6/21/2021 13:10	X^
Total Depth	<b>4.5</b>		<b>meters</b>	<b>1</b>			6/21/2021 13:10	X^

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>55024</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 13:10	F^
DO Saturation %	<b>65.7</b>		<b>%</b>	<b>1</b>			6/21/2021 13:10	F^
Dissolved Oxygen	<b>3.87</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 13:10	F^
Salinity	<b>36.38</b>		<b>ppt</b>	<b>1</b>			6/21/2021 13:10	F^
Temperature	<b>31.7</b>		<b>°C</b>	<b>1</b>			6/21/2021 13:10	F^
pH	<b>7.93</b>		<b>SU</b>	<b>1</b>			6/21/2021 13:10	F^

**Microbiology**

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY							
Enterococcus	<b>10</b>		<b>MPN/100 mL</b>	<b>10</b>		10	10	6/21/2021 17:27	F

Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion							
		Analytical Method: EPA 351.2							
Total Kjeldahl Nitrogen	<b>0.428</b>	<b>I,J4</b>	<b>mg/L</b>	<b>1</b>		0.50	0.20	6/24/2021 12:38	G

**WET CHEMISTRY**

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation							
Total Nitrogen	<b>0.428</b>		<b>mg/L</b>	<b>1</b>		0.20	0.12	7/13/2021 21:32	G

**CERTIFICATE OF ANALYSIS**

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588004** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **KENDALL** Date Collected: 06/21/21 13:10

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	1.1		NTU	1	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.058		mg/L	1	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	3.2		mg/m3	1	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	6/28/2021 14:30	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	6/22/2021 18:45	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	6/22/2021 18:45	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	6/22/2021 18:45	T

Lab ID: **F2102588005** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **COLLIER\_BRIDGE** Date Collected: 06/21/21 13:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			6/21/2021 13:20	X^
Secchi Disc	2		meters	1			6/21/2021 13:20	X^
Total Depth	4		meters	1			6/21/2021 13:20	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	54728		umhos/cm	1			6/21/2021 13:20	F^
DO Saturation %	71.2		%	1			6/21/2021 13:20	F^
Dissolved Oxygen	4.19		mg/L	1			6/21/2021 13:20	F^
Salinity	36.14		ppt	1			6/21/2021 13:20	F^
Temperature	31.6		°C	1			6/21/2021 13:20	F^

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.





### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588005** Date Received: 06/21/21 17:00 Matrix: Water  
Sample ID: **COLLIER\_BRIDGE** Date Collected: 06/21/21 13:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
pH	<b>7.91</b>		<b>SU</b>	<b>1</b>			6/21/2021 13:20	F^

#### Microbiology

Analysis Desc:	Analytical Method: ENTEROLERT/ QUANTI-TRAY							
Enterococcus	<b>10</b>		<b>MPN/100 mL</b>	<b>10</b>	10	10	6/21/2021 17:27	F

#### WET CHEMISTRY

Analysis Desc:	Analytical Method: Calculation							
----------------	--------------------------------	--	--	--	--	--	--	--

Total Nitrogen	<b>0.502</b>		<b>mg/L</b>	<b>1</b>	0.20	0.12	7/13/2021 21:32	G
----------------	--------------	--	-------------	----------	------	------	-----------------	---

Analysis Desc:	Analytical Method: EPA 180.1							
----------------	------------------------------	--	--	--	--	--	--	--

Turbidity	<b>0.90</b>		<b>NTU</b>	<b>1</b>	0.10	0.10	6/22/2021 14:08	F
-----------	-------------	--	------------	----------	------	------	-----------------	---

Analysis Desc:	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2							
----------------	--	--	--	--	--	--	--	--

Total Kjeldahl Nitrogen	<b>0.502</b>		<b>mg/L</b>	<b>1</b>	0.50	0.20	6/24/2021 12:38	G
-------------------------	--------------	--	-------------	----------	------	------	-----------------	---

Analysis Desc:	Preparation Method: EPA 365.3 Analytical Method: EPA 365.3							
----------------	---	--	--	--	--	--	--	--

Total Phosphorus (as P)	<b>0.063</b>		<b>mg/L</b>	<b>1</b>	0.01	0.005	6/25/2021 10:47	G
-------------------------	--------------	--	-------------	----------	------	-------	-----------------	---

Analysis Desc:	Analytical Method: SM 10200 H							
----------------	-------------------------------	--	--	--	--	--	--	--

Corrected Chlorophyll A	<b>4.8</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G

Analysis Desc:	Analytical Method: SM 4500NO3-F (Low Level)							
----------------	---	--	--	--	--	--	--	--

Nitrate (as N)	<b>0.0060</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0060	6/22/2021 18:46	T
Nitrate + Nitrite	<b>0.010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.020	0.010	6/22/2021 18:46	T
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 18:46	T

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



## ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588006**  
Sample ID: **HC\_CENTER**

Date Received: 06/21/21 17:00 Matrix: Water  
Date Collected: 06/21/21 13:55

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			6/21/2021 14:01	X^
Secchi Disc	3		meters	1			6/21/2021 14:01	X^
Total Depth	3.5		meters	1			6/21/2021 14:01	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	55193		umhos/cm	1			6/21/2021 14:01	F^
DO Saturation %	87.4		%	1			6/21/2021 14:01	F^
Dissolved Oxygen	5.07		mg/L	1			6/21/2021 14:01	F^
Salinity	36.52		ppt	1			6/21/2021 14:01	F^
Temperature	32.5		°C	1			6/21/2021 14:01	F^
pH	8.04		SU	1			6/21/2021 14:01	F^
<b>Microbiology</b>								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	6/21/2021 17:27	F
<b>WET CHEMISTRY</b>								
Analysis Desc: Total Nitrogen, Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.346		mg/L	1	0.20	0.12	7/13/2021 21:32	G
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.74		NTU	1	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.346	I	mg/L	1	0.50	0.20	6/24/2021 12:38	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.063		mg/L	1	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	6/28/2021 14:30	G

Report ID: 1065034 - 1110557

Page 10 of 35

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588006** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **HC\_CENTER** Date Collected: 06/21/21 13:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	6/28/2021 14:30	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	6/22/2021 18:47	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	6/22/2021 18:47	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	6/22/2021 18:47	T

Lab ID: **F2102588007** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **LANDMARK** Date Collected: 06/21/21 13:40

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			6/21/2021 13:53	X^
Secchi Disc	3.5		meters	1			6/21/2021 13:53	X^
Total Depth	5.5		meters	1			6/21/2021 13:53	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	55063		umhos/cm	1			6/21/2021 13:53	F^
DO Saturation %	98.8		%	1			6/21/2021 13:53	F^
Dissolved Oxygen	6.13		mg/L	1			6/21/2021 13:53	F^
Salinity	36.41		ppt	1			6/21/2021 13:53	F^
Temperature	30.7		°C	1			6/21/2021 13:53	F^
pH	8.18		SU	1			6/21/2021 13:53	F^

#### Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	155		MPN/100 mL	10	10	10	6/21/2021 17:27	F

#### WET CHEMISTRY

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

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588007**

Date Received: 06/21/21 17:00 Matrix: Water

Sample ID: **LANDMARK**

Date Collected: 06/21/21 13:40

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	<b>0.576</b>		<b>mg/L</b>	<b>1</b>	0.20	0.12	7/13/2021 21:32	G
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	<b>1.6</b>		<b>NTU</b>	<b>1</b>	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	<b>0.561</b>		<b>mg/L</b>	<b>1</b>	0.50	0.20	6/24/2021 12:38	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	<b>0.103</b>		<b>mg/L</b>	<b>1</b>	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>6.4</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	<b>0.014</b>		<b>mg/L</b>	<b>1</b>	0.010	0.0060	6/22/2021 18:48	T
Nitrate + Nitrite	<b>0.015</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.020	0.010	6/22/2021 18:48	T
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 18:48	T

Lab ID: **F2102588008**

Date Received: 06/21/21 17:00 Matrix: Water

Sample ID: **LANDMARK\_DUP**

Date Collected: 06/21/21 13:45

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 13:55	X^
Secchi Disc	<b>3</b>		<b>meters</b>	<b>1</b>			6/21/2021 13:55	X^
Total Depth	<b>5.5</b>		<b>meters</b>	<b>1</b>			6/21/2021 13:55	X^

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588008**  
 Sample ID: **LANDMARK\_DUP**

Date Received: 06/21/21 17:00 Matrix: Water  
 Date Collected: 06/21/21 13:45

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	55152		umhos/cm	1			6/21/2021 13:55	F^
DO Saturation %	98.8		%	1			6/21/2021 13:55	F^
Dissolved Oxygen	6.15		mg/L	1			6/21/2021 13:55	F^
Salinity	36.48		ppt	1			6/21/2021 13:55	F^
Temperature	30.7		°C	1			6/21/2021 13:55	F^
pH	8.14		SU	1			6/21/2021 13:55	F^
<b>Microbiology</b>								
Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	145		MPN/100 mL	10	10	10	6/21/2021 17:27	F
<b>WET CHEMISTRY</b>								
Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation						
Total Nitrogen	0.364		mg/L	1	0.20	0.12	7/13/2021 21:32	G
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	1.7		NTU	1	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.364	I	mg/L	1	0.50	0.20	6/24/2021 12:38	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.058		mg/L	1	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	7.2		mg/m3	1	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	6/28/2021 14:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0080	I	mg/L	1	0.010	0.0060	6/22/2021 18:48	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	6/22/2021 18:48	T

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588008**  
 Sample ID: **LANDMARK\_DUP**

Date Received: 06/21/21 17:00 Matrix: Water  
 Date Collected: 06/21/21 13:45

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 18:48	T

Lab ID: **F2102588009**  
 Sample ID: **SWALLOW**

Date Received: 06/21/21 17:00 Matrix: Water  
 Date Collected: 06/21/21 14:15

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	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:19	X^
Secchi Disc	<b>3</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:19	X^
Total Depth	<b>3.5</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:19	X^

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

Conductivity	<b>54852</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 14:19	F^
DO Saturation %	<b>43.5</b>		<b>%</b>	<b>1</b>			6/21/2021 14:19	F^
Dissolved Oxygen	<b>2.66</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 14:19	F^
Salinity	<b>36.26</b>		<b>ppt</b>	<b>1</b>			6/21/2021 14:19	F^
Temperature	<b>30.8</b>		<b>°C</b>	<b>1</b>			6/21/2021 14:19	F^
pH	<b>7.68</b>		<b>SU</b>	<b>1</b>			6/21/2021 14:19	F^

#### Microbiology

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

Enterococcus	<b>20</b>		<b>MPN/100 mL</b>	<b>10</b>	10	10	6/21/2021 17:27	F
--------------	-----------	--	-------------------	-----------	----	----	-----------------	---

#### WET CHEMISTRY

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

Total Nitrogen	<b>0.422</b>		<b>mg/L</b>	<b>1</b>	0.20	0.12	7/13/2021 21:32	G
----------------	--------------	--	-------------	----------	------	------	-----------------	---

Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	<b>1.2</b>		<b>NTU</b>	<b>1</b>	0.10	0.10	6/22/2021 14:08	F
-----------	------------	--	------------	----------	------	------	-----------------	---

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588009** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **SWALLOW** Date Collected: 06/21/21 14:15

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	<b>0.387</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.50	0.20	6/24/2021 12:38	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	<b>0.069</b>		<b>mg/L</b>	<b>1</b>	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>3.2</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	<b>0.032</b>		<b>mg/L</b>	<b>1</b>	0.010	0.0060	6/22/2021 18:49	T
Nitrate + Nitrite	<b>0.035</b>		<b>mg/L</b>	<b>1</b>	0.020	0.010	6/22/2021 18:49	T
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 18:49	T

Lab ID: **F2102588010** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **W\_WINTERBERRY\_BRIDGE** Date Collected: 06/21/21 14:25

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:31	X^
Secchi Disc	<b>3.5</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:31	X^
Total Depth	<b>4.5</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:31	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>55425</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 14:31	F^
DO Saturation %	<b>97.2</b>		<b>%</b>	<b>1</b>			6/21/2021 14:31	F^
Dissolved Oxygen	<b>5.7</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 14:31	F^
Salinity	<b>36.7</b>		<b>ppt</b>	<b>1</b>			6/21/2021 14:31	F^

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.





### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588010** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **W\_WINTERBERRY\_BRIDGE** Date Collected: 06/21/21 14:25

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	31.5		°C	1			6/21/2021 14:31	F^
pH	8.22		SU	1			6/21/2021 14:31	F^

#### Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	6/21/2021 17:27	F

#### WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.473		mg/L	1	0.20	0.12	7/13/2021 21:32	G

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	3.0		NTU	1	0.10	0.10	6/22/2021 14:08	F

Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.473	I	mg/L	1	0.50	0.20	6/24/2021 12:38	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.058		mg/L	1	0.01	0.005	6/25/2021 10:47	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	12		mg/m3	1	3.0	2.5	6/28/2021 14:30	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	6/28/2021 14:30	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	6/22/2021 18:50	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	6/22/2021 18:50	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	6/22/2021 18:50	T

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.





## ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588011** Date Received: 06/21/21 17:00 Matrix: Water  
Sample ID: **E\_WINTERBERRY\_BRIDGE** Date Collected: 06/21/21 14:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			6/21/2021 14:40	X^
Secchi Disc	4		meters	1			6/21/2021 14:40	X^
Total Depth	5.5		meters	1			6/21/2021 14:40	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	55508		umhos/cm	1			6/21/2021 14:40	F^
DO Saturation %	98.7		%	1			6/21/2021 14:40	F^
Dissolved Oxygen	6.74		mg/L	1			6/21/2021 14:40	F^
Salinity	36.77		ppt	1			6/21/2021 14:40	F^
Temperature	31.8		°C	1			6/21/2021 14:40	F^
pH	8.21		SU	1			6/21/2021 14:40	F^
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	743		MPN/100 mL	10	10	10	6/21/2021 17:27	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	6/22/2021 18:57	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	6/22/2021 18:57	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	6/22/2021 18:57	T
<b>WET CHEMISTRY</b>								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.536		mg/L	1	0.20	0.12	7/13/2021 21:32	G
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	4.1		NTU	1	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: TKN, E351.2, Water			Preparation Method: Copper Sulfate Digestion					
			Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.536		mg/L	1	0.50	0.20	6/24/2021 12:38	G

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588011** Date Received: 06/21/21 17:00 Matrix: Water  
Sample ID: **E\_WINTERBERRY\_BRIDGE** Date Collected: 06/21/21 14:35

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)	<b>0.078</b>		<b>mg/L</b>	<b>1</b>	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>12</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G

Lab ID: **F2102588012** Date Received: 06/21/21 17:00 Matrix: Water  
Sample ID: **MCILVANE** Date Collected: 06/21/21 14:50

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:50	X^
Secchi Disc	<b>3</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:50	X^
Total Depth	<b>3.25</b>		<b>meters</b>	<b>1</b>			6/21/2021 14:50	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>55429</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 14:50	F^
DO Saturation %	<b>87.3</b>		<b>%</b>	<b>1</b>			6/21/2021 14:50	F^
Dissolved Oxygen	<b>5.07</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 14:50	F^
Salinity	<b>36.69</b>		<b>ppt</b>	<b>1</b>			6/21/2021 14:50	F^
Temperature	<b>31.7</b>		<b>°C</b>	<b>1</b>			6/21/2021 14:50	F^
pH	<b>8.08</b>		<b>SU</b>	<b>1</b>			6/21/2021 14:50	F^

#### Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	<b>10</b>		<b>MPN/100 mL</b>	<b>10</b>	10	10	6/21/2021 17:27	F

#### WET CHEMISTRY

Report ID: 1065034 - 1110557

Page 18 of 35

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588012**  
Sample ID: **MCILVANE**

Date Received: 06/21/21 17:00 Matrix: Water  
Date Collected: 06/21/21 14:50

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	<b>0.358</b>		<b>mg/L</b>	<b>1</b>	0.20	0.12	7/13/2021 21:32	G
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	<b>3.4</b>		<b>NTU</b>	<b>1</b>	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	<b>0.358</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.50	0.20	6/24/2021 12:38	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	<b>0.074</b>		<b>mg/L</b>	<b>1</b>	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>6.4</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	<b>0.0060</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0060	6/22/2021 18:59	T
Nitrate + Nitrite	<b>0.010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.020	0.010	6/22/2021 18:59	T
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 18:59	T

Lab ID: **F2102588013**  
Sample ID: **HOLLYHOCK**

Date Received: 06/21/21 17:00 Matrix: Water  
Date Collected: 06/21/21 15:20

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 15:16	X^
Secchi Disc	<b>0</b>	<b>U</b>	<b>meters</b>	<b>1</b>			6/21/2021 15:16	X^
Total Depth	<b>2</b>		<b>meters</b>	<b>1</b>			6/21/2021 15:16	X^

Report ID: 1065034 - 1110557

Page 19 of 35

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



## ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588013**  
Sample ID: **HOLLYHOCK**

Date Received: 06/21/21 17:00 Matrix: Water  
Date Collected: 06/21/21 15:20

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	<b>54688</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 15:16	F^
DO Saturation %	<b>90</b>		<b>%</b>	<b>1</b>			6/21/2021 15:16	F^
Dissolved Oxygen	<b>5.25</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 15:16	F^
Salinity	<b>36.13</b>		<b>ppt</b>	<b>1</b>			6/21/2021 15:16	F^
Temperature	<b>32.1</b>		<b>°C</b>	<b>1</b>			6/21/2021 15:16	F^
pH	<b>8.02</b>		<b>SU</b>	<b>1</b>			6/21/2021 15:16	F^
<b>Microbiology</b>								
Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	<b>31</b>		<b>MPN/100 mL</b>	<b>10</b>	<b>10</b>	<b>10</b>	6/21/2021 17:27	F
<b>WET CHEMISTRY</b>								
Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	<b>0.592</b>		<b>mg/L</b>	<b>1</b>	<b>0.20</b>	<b>0.12</b>	7/13/2021 21:32	G
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	<b>3.5</b>		<b>NTU</b>	<b>1</b>	<b>0.10</b>	<b>0.10</b>	6/22/2021 14:08	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	<b>0.592</b>		<b>mg/L</b>	<b>1</b>	<b>0.50</b>	<b>0.20</b>	6/24/2021 12:38	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	<b>0.036</b>		<b>mg/L</b>	<b>1</b>	<b>0.01</b>	<b>0.005</b>	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>7.2</b>		<b>mg/m3</b>	<b>1</b>	<b>3.0</b>	<b>2.5</b>	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	<b>3.0</b>	<b>2.5</b>	6/28/2021 14:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	<b>0.0060</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	<b>0.010</b>	<b>0.0060</b>	6/22/2021 19:00	T
Nitrate + Nitrite	<b>0.010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	<b>0.020</b>	<b>0.010</b>	6/22/2021 19:00	T

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588013**  
Sample ID: **HOLLYHOCK**

Date Received: 06/21/21 17:00 Matrix: Water  
Date Collected: 06/21/21 15:20

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 19:00	T

Lab ID: **F2102588014**  
Sample ID: **HUMMINGBIRD**

Date Received: 06/21/21 17:00 Matrix: Water  
Date Collected: 06/21/21 15:05

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	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 15:05	X^
Secchi Disc	<b>2</b>		<b>meters</b>	<b>1</b>			6/21/2021 15:05	X^
Total Depth	<b>2.5</b>		<b>meters</b>	<b>1</b>			6/21/2021 15:05	X^

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>54501</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 15:05	F^
DO Saturation %	<b>99.9</b>		<b>%</b>	<b>1</b>			6/21/2021 15:05	F^
Dissolved Oxygen	<b>5.99</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 15:05	F^
Salinity	<b>35.98</b>		<b>ppt</b>	<b>1</b>			6/21/2021 15:05	F^
Temperature	<b>32.5</b>		<b>°C</b>	<b>1</b>			6/21/2021 15:05	F^
pH	<b>8.16</b>		<b>SU</b>	<b>1</b>			6/21/2021 15:05	F^

#### Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY							
Enterococcus	<b>10</b>	<b>U</b>	<b>MPN/100 mL</b>	<b>10</b>		10	10	6/21/2021 17:27	F

Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion							
		Analytical Method: EPA 351.2							
Total Kjeldahl Nitrogen	<b>0.376</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>		0.50	0.20	6/24/2021 12:38	G

#### WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation							
Total Nitrogen	<b>0.376</b>		<b>mg/L</b>	<b>1</b>		0.20	0.12	7/13/2021 21:32	G

Report ID: 1065034 - 1110557

Page 21 of 35

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588014** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **HUMMINGBIRD** Date Collected: 06/21/21 15:05

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	<b>1.8</b>		<b>NTU</b>	<b>1</b>	0.10	0.10	6/22/2021 14:08	F
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	<b>0.036</b>		<b>mg/L</b>	<b>1</b>	0.01	0.005	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	<b>13</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	<b>0.0060</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0060	6/22/2021 19:00	T
Nitrate + Nitrite	<b>0.010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.020	0.010	6/22/2021 19:00	T
Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 19:00	T

Lab ID: **F2102588015** Date Received: 06/21/21 17:00 Matrix: Water  
 Sample ID: **WINDMILL** Date Collected: 06/21/21 15:35

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>FIELD PARAMETERS</b>								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	<b>0.3</b>		<b>meters</b>	<b>1</b>			6/21/2021 15:43	X^
Secchi Disc	<b>3.5</b>		<b>meters</b>	<b>1</b>			6/21/2021 15:43	X^
Total Depth	<b>4</b>		<b>meters</b>	<b>1</b>			6/21/2021 15:43	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	<b>54693</b>		<b>umhos/cm</b>	<b>1</b>			6/21/2021 15:43	F^
DO Saturation %	<b>78.7</b>		<b>%</b>	<b>1</b>			6/21/2021 15:43	F^
Dissolved Oxygen	<b>4.63</b>		<b>mg/L</b>	<b>1</b>			6/21/2021 15:43	F^
Salinity	<b>36.12</b>		<b>ppt</b>	<b>1</b>			6/21/2021 15:43	F^
Temperature	<b>31.4</b>		<b>°C</b>	<b>1</b>			6/21/2021 15:43	F^

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588015**

Date Received: 06/21/21 17:00 Matrix: Water

Sample ID: **WINDMILL**

Date Collected: 06/21/21 15:35

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
pH	<b>8.04</b>		<b>SU</b>	<b>1</b>			6/21/2021 15:43	F^

#### Microbiology

Analysis Desc:	Analytical Method: ENTEROLERT/ QUANTI-TRAY							
Enterococcus	<b>10</b>		<b>MPN/100 mL</b>	<b>10</b>	10	10	6/21/2021 17:27	F

#### WET CHEMISTRY

Analysis Desc:	Analytical Method: Calculation							
----------------	--------------------------------	--	--	--	--	--	--	--

Total Nitrogen	<b>0.508</b>		<b>mg/L</b>	<b>1</b>	0.20	0.12	7/13/2021 21:32	G
----------------	--------------	--	-------------	----------	------	------	-----------------	---

Analysis Desc:	Analytical Method: EPA 180.1							
----------------	------------------------------	--	--	--	--	--	--	--

Turbidity	<b>3.1</b>		<b>NTU</b>	<b>1</b>	0.10	0.10	6/22/2021 14:08	F
-----------	------------	--	------------	----------	------	------	-----------------	---

Analysis Desc:	Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2							
----------------	--	--	--	--	--	--	--	--

Total Kjeldahl Nitrogen	<b>0.508</b>		<b>mg/L</b>	<b>1</b>	0.50	0.20	6/24/2021 12:38	G
-------------------------	--------------	--	-------------	----------	------	------	-----------------	---

Analysis Desc:	Preparation Method: EPA 365.3 Analytical Method: EPA 365.3							
----------------	---	--	--	--	--	--	--	--

Total Phosphorus (as P)	<b>0.01</b>	<b>I</b>	<b>mg/L</b>	<b>1</b>	0.01	0.005	6/25/2021 10:47	G
-------------------------	-------------	----------	-------------	----------	------	-------	-----------------	---

Analysis Desc:	Analytical Method: SM 10200 H							
----------------	-------------------------------	--	--	--	--	--	--	--

Corrected Chlorophyll A	<b>12</b>		<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	<b>2.5</b>	<b>U</b>	<b>mg/m3</b>	<b>1</b>	3.0	2.5	6/28/2021 14:30	G

Analysis Desc:	Analytical Method: SM 4500NO3-F (Low Level)							
----------------	---	--	--	--	--	--	--	--

Nitrate (as N)	<b>0.0060</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0060	6/22/2021 19:01	T
----------------	---------------	----------	-------------	----------	-------	--------	-----------------	---

Nitrate + Nitrite	<b>0.010</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.020	0.010	6/22/2021 19:01	T
-------------------	--------------	----------	-------------	----------	-------	-------	-----------------	---

Nitrite (as N)	<b>0.0080</b>	<b>U</b>	<b>mg/L</b>	<b>1</b>	0.010	0.0080	6/22/2021 19:01	T
----------------	---------------	----------	-------------	----------	-------	--------	-----------------	---

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.





## ANALYTICAL RESULTS

Workorder: F2102588 MARCO

Lab ID: **F2102588016** Date Received: 06/21/21 17:00 Matrix: Water  
Sample ID: **EQUIPMENT\_BLANK** Date Collected: 06/21/21 15:40

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
<b>Microbiology</b>								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	6/21/2021 17:27	F
<b>WET CHEMISTRY</b>								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	7/13/2021 21:32	G
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.10	U	NTU	1	0.10	0.10	6/22/2021 14:08	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	6/24/2021 12:38	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	6/25/2021 10:47	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	6/28/2021 14:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	6/28/2021 14:30	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	6/22/2021 19:02	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	6/22/2021 19:02	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	6/22/2021 19:02	T

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.





## ANALYTICAL RESULTS QUALIFIERS

Workorder: F2102588 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.
- J4 Estimated Result
- [1] Chlorophyll A samples 1-16 filtered 6/22/21 11:04

### 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)

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



### QUALITY CONTROL DATA

Workorder: F2102588 MARCO

QC Batch: WCAf/1423 Analysis Method: EPA 180.1

QC Batch Method: EPA 180.1 Prepared:

Associated Lab Samples: F2102588001, F2102588002, F2102588003, F2102588004, F2102588005, F2102588006, F2102588007,

METHOD BLANK: 3930610

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
Turbidity	NTU	0.10	0.10 U

QC Batch: MICf/1232 Analysis Method: ENTEROLERT/ QUANTI-TRAY

QC Batch Method: ENTEROLERT/ QUANTI-TRAY Prepared:

Associated Lab Samples: F2102588001, F2102588002, F2102588003, F2102588004, F2102588005, F2102588006, F2102588007,

METHOD BLANK: 3930895

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

QC Batch: WCAf/5075 Analysis Method: SM 4500NO3-F (Low Level)

QC Batch Method: SM 4500NO3-F (Low Level) Prepared:

Associated Lab Samples: F2102588001, F2102588002, F2102588003, F2102588004, F2102588005, F2102588006, F2102588007,

METHOD BLANK: 3931998

Parameter	Units	Blank Result	Reporting Limit Qualifiers
<b>WET CHEMISTRY</b>			
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: WCAf/5076 Analysis Method: SM 4500NO3-F (Low Level)

QC Batch Method: SM 4500NO3-F (Low Level) Prepared:

Associated Lab Samples: F2102588011, F2102588012, F2102588013, F2102588014, F2102588015, F2102588016

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.





**QUALITY CONTROL DATA**

Workorder: F2102588 MARCO

METHOD BLANK: 3936203

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

QC Batch: WCAg/2986 Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H Prepared:

Associated Lab Samples: F2102588001, F2102588002, F2102588003, F2102588004, F2102588005, F2102588006, F2102588007,

METHOD BLANK: 3937134

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

METHOD BLANK: 3937136

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

**CERTIFICATE OF ANALYSIS**

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102588 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102588001	BARFIELD_BRIDGE			EPA 180.1	WCAf/1423
F2102588002	OLDE_MARCO			EPA 180.1	WCAf/1423
F2102588003	JH_PARK			EPA 180.1	WCAf/1423
F2102588004	KENDALL			EPA 180.1	WCAf/1423
F2102588005	COLLIER_BRIDGE			EPA 180.1	WCAf/1423
F2102588006	HC_CENTER			EPA 180.1	WCAf/1423
F2102588007	LANDMARK			EPA 180.1	WCAf/1423
F2102588008	LANDMARK_DUP			EPA 180.1	WCAf/1423
F2102588009	SWALLOW			EPA 180.1	WCAf/1423
F2102588010	W_WINTERBERRY_BRIDGE			EPA 180.1	WCAf/1423
F2102588011	E_WINTERBERRY_BRIDGE			EPA 180.1	WCAf/1423
F2102588012	MCILVANE			EPA 180.1	WCAf/1423
F2102588013	HOLLYHOCK			EPA 180.1	WCAf/1423
F2102588014	HUMMINGBIRD			EPA 180.1	WCAf/1423
F2102588015	WINDMILL			EPA 180.1	WCAf/1423
F2102588016	EQUIPMENT_BLANK			EPA 180.1	WCAf/1423
F2102588001	BARFIELD_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588002	OLDE_MARCO			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588003	JH_PARK			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588004	KENDALL			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588005	COLLIER_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588006	HC_CENTER			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588007	LANDMARK			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588008	LANDMARK_DUP			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588009	SWALLOW			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588010	W_WINTERBERRY_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588011	E_WINTERBERRY_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588012	MCILVANE			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588013	HOLLYHOCK			ENTEROLERT/ QUANTI-TRAY	MICf/1232

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102588 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102588014	HUMMINGBIRD			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588015	WINDMILL			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588016	EQUIPMENT_BLANK			ENTEROLERT/ QUANTI-TRAY	MICf/1232
F2102588001	BARFIELD_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588002	OLDE_MARCO			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588003	JH_PARK			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588004	KENDALL			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588005	COLLIER_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588006	HC_CENTER			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588007	LANDMARK			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588008	LANDMARK_DUP			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588009	SWALLOW			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588010	W_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/5075
F2102588011	E_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/5076
F2102588012	MCILVANE			SM 4500NO3-F (Low Level)	WCAf/5076
F2102588013	HOLLYHOCK			SM 4500NO3-F (Low Level)	WCAf/5076
F2102588014	HUMMINGBIRD			SM 4500NO3-F (Low Level)	WCAf/5076
F2102588015	WINDMILL			SM 4500NO3-F (Low Level)	WCAf/5076
F2102588016	EQUIPMENT_BLANK			SM 4500NO3-F (Low Level)	WCAf/5076
F2102588001	BARFIELD_BRIDGE	Copper Sulfate Digestion	WCAg/2954	EPA 351.2	WCAg/2961
F2102588002	OLDE_MARCO	Copper Sulfate Digestion	WCAg/2954	EPA 351.2	WCAg/2961
F2102588003	JH_PARK	Copper Sulfate Digestion	WCAg/2954	EPA 351.2	WCAg/2961
F2102588004	KENDALL	Copper Sulfate Digestion	WCAg/2954	EPA 351.2	WCAg/2961
F2102588005	COLLIER_BRIDGE	Copper Sulfate Digestion	WCAg/2955	EPA 351.2	WCAg/2963

Report ID: 1065034 - 1110557

Page 30 of 35

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102588 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102588006	HC_CENTER	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588007	LANDMARK	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588008	LANDMARK_DUP	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588009	SWALLOW	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588010	W_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588011	E_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588012	MCILVANE	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588013	HOLLYHOCK	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588014	HUMMINGBIRD	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588015	WINDMILL	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588016	EQUIPMENT_BLANK	Copper Sulfate Digestion	WCAG/2955	EPA 351.2	WCAG/2963
F2102588001	BARFIELD_BRIDGE	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588002	OLDE_MARCO	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588003	JH_PARK	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588004	KENDALL	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588005	COLLIER_BRIDGE	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588006	HC_CENTER	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588007	LANDMARK	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588008	LANDMARK_DUP	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588009	SWALLOW	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588010	W_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588011	E_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588012	MCILVANE	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588013	HOLLYHOCK	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588014	HUMMINGBIRD	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588015	WINDMILL	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588016	EQUIPMENT_BLANK	EPA 365.3	WCAG/2971	EPA 365.3	WCAG/2972
F2102588001	BARFIELD_BRIDGE			SM 10200 H	WCAG/2986
F2102588002	OLDE_MARCO			SM 10200 H	WCAG/2986
F2102588003	JH_PARK			SM 10200 H	WCAG/2986
F2102588004	KENDALL			SM 10200 H	WCAG/2986

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.





**Queue:** WCAg

**Batch Number:** 2961

#### **I. Receipt**

No Exceptions were encountered.

#### **II. Holding Times**

Preparation: All holding times were met.

Analysis: All holding times were met.

#### **III. Method**

Analysis: EPA 351.2

Preparation: Copper Sulfate Digestion

#### **IV. Preparation**

Sample preparation proceeded normally.

#### **V. Analysis**

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes The matrix spike recovery of TKN for F2102588004 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS), Matrix Spike Duplicate (MSD) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was required.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.





**Queue:** WCAg

**Batch Number:** 2972

#### **I. Receipt**

No Exceptions were encountered.

#### **II. Holding Times**

Preparation: All holding times were met.

Analysis: All holding times were met.

#### **III. Method**

Analysis: EPA 365.3

Preparation: EPA 365.3

#### **IV. Preparation**

Sample preparation proceeded normally.

#### **V. Analysis**

Calibration: All acceptance criteria were met.

Blanks: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Spikes The matrix spike recovery and duplicate of [TP3] for [F2102588001] was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was required.

Internal Standard: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Other: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Serial Dilution: All acceptance criteria were met.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102588 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102588005	COLLIER_BRIDGE			SM 10200 H	WCAg/2986
F2102588006	HC_CENTER			SM 10200 H	WCAg/2986
F2102588007	LANDMARK			SM 10200 H	WCAg/2986
F2102588008	LANDMARK_DUP			SM 10200 H	WCAg/2986
F2102588009	SWALLOW			SM 10200 H	WCAg/2986
F2102588010	W_WINTERBERRY_BRIDGE			SM 10200 H	WCAg/2986
F2102588011	E_WINTERBERRY_BRIDGE			SM 10200 H	WCAg/2986
F2102588012	MCILVANE			SM 10200 H	WCAg/2986
F2102588013	HOLLYHOCK			SM 10200 H	WCAg/2986
F2102588014	HUMMINGBIRD			SM 10200 H	WCAg/2986
F2102588015	WINDMILL			SM 10200 H	WCAg/2986
F2102588016	EQUIPMENT_BLANK			SM 10200 H	WCAg/2986
F2102588001	BARFIELD_BRIDGE	Calculation	CLCg/	Calculation	CLCg/
F2102588001	BARFIELD_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2102588001	BARFIELD_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588002	OLDE_MARCO	Calculation	CLCg/	Calculation	CLCg/
F2102588002	OLDE_MARCO	DISRES	FLDx/	DISRES	FLDx/
F2102588002	OLDE_MARCO	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588003	JH_PARK	Calculation	CLCg/	Calculation	CLCg/
F2102588003	JH_PARK	DISRES	FLDx/	DISRES	FLDx/
F2102588003	JH_PARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588004	KENDALL	Calculation	CLCg/	Calculation	CLCg/
F2102588004	KENDALL	DISRES	FLDx/	DISRES	FLDx/
F2102588004	KENDALL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588005	COLLIER_BRIDGE	Calculation	CLCg/	Calculation	CLCg/
F2102588005	COLLIER_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2102588005	COLLIER_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588006	HC_CENTER	Calculation	CLCg/	Calculation	CLCg/
F2102588006	HC_CENTER	DISRES	FLDx/	DISRES	FLDx/
F2102588006	HC_CENTER	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588007	LANDMARK	Calculation	CLCg/	Calculation	CLCg/
F2102588007	LANDMARK	DISRES	FLDx/	DISRES	FLDx/

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Advanced Environmental Laboratories, Inc.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102588 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2102588007	LANDMARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588008	LANDMARK_DUP	Calculation	CLCg/	Calculation	CLCg/
F2102588008	LANDMARK_DUP	DISRES	FLDx/	DISRES	FLDx/
F2102588008	LANDMARK_DUP	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588009	SWALLOW	Calculation	CLCg/	Calculation	CLCg/
F2102588009	SWALLOW	DISRES	FLDx/	DISRES	FLDx/
F2102588009	SWALLOW	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588010	W_WINTERBERRY_BRIDGE	Calculation	CLCg/	Calculation	CLCg/
F2102588010	W_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2102588010	W_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588011	E_WINTERBERRY_BRIDGE	Calculation	CLCg/	Calculation	CLCg/
F2102588011	E_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2102588011	E_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588012	MCILVANE	Calculation	CLCg/	Calculation	CLCg/
F2102588012	MCILVANE	DISRES	FLDx/	DISRES	FLDx/
F2102588012	MCILVANE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588013	HOLLYHOCK	Calculation	CLCg/	Calculation	CLCg/
F2102588013	HOLLYHOCK	DISRES	FLDx/	DISRES	FLDx/
F2102588013	HOLLYHOCK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588014	HUMMINGBIRD	Calculation	CLCg/	Calculation	CLCg/
F2102588014	HUMMINGBIRD	DISRES	FLDx/	DISRES	FLDx/
F2102588014	HUMMINGBIRD	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588015	WINDMILL	Calculation	CLCg/	Calculation	CLCg/
F2102588015	WINDMILL	DISRES	FLDx/	DISRES	FLDx/
F2102588015	WINDMILL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2102588016	EQUIPMENT_BLANK	Calculation	CLCg/	Calculation	CLCg/

### CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Advanced Environmental Laboratories, Inc.





**Advanced Environmental Laboratories, Inc.**

Allamonte Springs: 3901 Northlake Blvd, Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: E63076  
 Fort Myers: 13100 Westfink Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E64142  
 Jacksonville: 6691 Southpoint Pkwy, FL 32216 • 904.363.9350 • Lab ID: E62574  
 Tallahassee: 2639 North Monroe St, Suite D, FL 32303 • 850.219.0274 • Lab ID: E611055

Gainesville: 4965 SW 41st Blvd, FL 32609 • 352.377.2249 • Lab ID: E62001  
 Miramar  
 Tampa



\* F 2 1 0 2 5 8 8 \*

Client Name: City of Marco Island		Project Name: MARCO		BOTTLE SIZE & TYPE	
Address: 50 Bald Eagle Dr.		Project Number:		250 mL Plastic	
Marco Island, FL 314145		PO Number:		250 mL Plastic	
Phone: 239-300-1462		FDEP Facility No:		1L Amb Plastic	
FAX:		FDEP Facility Addr:		100 mL Cup	
Contact: Jason Tomasesetti		Special Instructions:		NO2/NO3	
Sampled By: P. Manard		ADAPT		TKN/TP/TN	
Turn Around Time: Standard X Rush		EQUIS		Chlor-A/Turbidity	
AEL Profile #: 65884		Other		Enterococci	
SAMPLE ID		SAMPLE DESCRIPTION		LABORATORY I.D. NUMBER	
		Grab Comp	SAMPLING DATE	MATRIX	NO. COUNT
	BARFIELD_BRIDGE	Grab	6/21/21	SW	4
	OLDE_MARCO	Grab	1/23/21	SW	4
	JH_PARK	Grab	1/5/21	SW	4
	KENDALL	Grab	1/31/21	SW	4
	COLLIER_BRIDGE	Grab	1/20/21	SW	4
	HC_CENTER	Grab	1/35/21	SW	4
	LANDMARK	Grab	1/34/21	SW	4
	LANDMARK_DUP	Grab	1/34/21	SW	4
	SWALLOW	Grab	1/41/21	SW	4
	W_WINTERBERRY_BRIDGE	Grab	1/42/21	SW	4

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

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

DCN: AD-D051web 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 F: 1A

Relinquished by: \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: \_\_\_\_\_ Date 6/21/21 Time 1:30

Temp. when received (observed) 81.9 °C Temp. when received (corrected) 81.9 °C

**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:	<b>CITY OF MARCO ISLAND</b>	Site Name:	<b>MARCO ISLAND WATERWAYS</b>
--------------	-----------------------------	------------	-------------------------------

Water Sample Parameters								
SAMPLE LOCATION	BARFIELD BRIDGE	BARFIELD BRIDGE	OLDE MARCO	OLDE MARCO	JH PARK	JH PARK	KENDALL	KENDALL
SAMPLE TIME	12:19	12:20	12:36	12:37	13:00	13:01	13:11	13:12
SAMPLE DEPTH	0.30m top	2.25	0.30m top	2.75	0.30m top	4.00	0.30m top	4.00
TOTAL DEPTH	2.5	2.5	3.0	3.0	5.0	5.0	4.5	4.5
TEMP /C	30.6	30.6	30.4	30.4	31.2	31.2	31.7	31.7
D.O. mg / L	4.97	4.19	4.25	3.31	5.12	5.08	3.87	3.94
D.O. % sat.	84.0	70.9	72.0	56.1	86.7	85.9	65.7	66.9
CONDUCTIVITY(umhos)	55339	54501	54714	54882	54687	54687	55024	54688
SALINITY ppt.	36.94	35.98	36.13	36.27	36.11	36.11	36.38	36.13
pH su.	7.75	7.95	7.92	7.91	7.95	7.94	7.93	7.92
SECCHI DEPTH	2.5	2.5	3.0	3.0	5.0	5.0	3.0	3.0

<b>FIELD COMMENTS:</b>	Outgoing Tide Cloudy	Outgoing Tide Cloudy	Outgoing Tide Cloudy	Outgoing Tide Cloudy
<b>WEATHER :</b>	82 DEG F	82 DEG F	82 DEG F	82 DEG F
<b>FIELD EQUIP. USED: ID # :</b>	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

Authentication			
<b>SAMPLED BY: (PRINT) /</b>	FF / AEL	<b>Sampler's Signature</b>	<b>Date</b>
<b>AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES</b>			<b>5/17/21</b>
			JS 06/21/21



# Advanced Environmental Laboratories, Inc

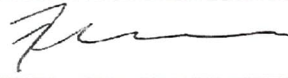
Client Name:	<b>CITY OF MARCO ISLAND</b>	Site Name:	<b>MARCO ISLAND WATERWAYS</b>
--------------	-----------------------------	------------	-------------------------------

Water Sample Parameters

SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	HC CENTER	HC CENTER	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP
SAMPLE TIME	13:21	13:22	14:01	14:02	13:53	13:54	13:55	13:56
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	31.6	31.0	32.5	32.0	30.7	30.7	30.7	30.8
D.O. mg / L	4.19	3.08	5.07	4.39	6.13	6.19	6.15	6.17
D.O. % sat.	71.2	52.1	87.4	75.3	98.8	99.1	98.8	98.9
CONDUCTIVITY(umhos)	54728	55024	55193	55109	55063	55091	55152	55076
SALINITY ppt.	36.14	36.38	36.52	36.44	36.41	36.44	36.48	36.44
pH su.	7.91	7.86	8.04	7.97	8.18	8.18	8.14	8.14
SECCHI DEPTH	2.0	2.0	3.0	3.0	3.5	3.5	3.0	3.0

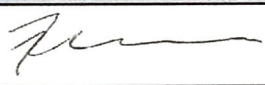
FIELD COMMENTS:	Outgoing Tide MOSTLY SUN	Outgoing Tide MOSTLY SUN	Outgoing Tide FULL SUN	Outgoing Tide FULL SUN
WEATHER :	83 DEG F	83 DEG F	84 DEG F	84 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

Authentication

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

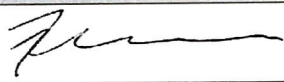
*JS* 06/21/21

# 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	MCILVANE	MCILVANE
SAMPLE TIME	14:19	14:20	14:31	14:32	14:40	14:41	14:49	14:50
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	30.8	30.9	31.5	31.5	31.8	31.5	31.7	30.8
D.O. mg / L	2.66	2.89	5.70	6.35	6.74	6.21	5.07	4.90
D.O. % sat.	43.5	48.8	97.2	98.9	98.7	99.3	87.3	83.5
CONDUCTIVITY(umhos)	54852	54984	55425	55508	55508	55640	55429	55432
SALINITY ppt.	36.26	36.35	36.7	36.76	36.77	36.87	36.69	36.69
pH su.	7.68	7.80	8.22	8.22	8.21	8.19	8.08	7.85
SECCHI DEPTH	3.0	3.0	3.5	3.5	4.0	4.0	3.0	3.0
FIELD COMMENTS:	Outgoing Tide FULL SUN		Outgoing Tide FULL SUN		Outgoing Tide FULL SUN		Outgoing Tide FULL SUN	
WEATHER :	84 DEG F		84 DEG F		84 DEG F		84 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						4/19/21		
						JS 06/21/21		



# Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND			Site Name:	MARCO ISLAND WATERWAYS		
Water Sample Parameters							
SAMPLE LOCATION	HOLLY HOCK	HOLLY HOCK	HUMMING BIRD	HUMMING BIRD	WINDMILL	WINDMILL	EQUIP BLANK
SAMPLE TIME	15:16	15:17	15:06	15:07	15:43	15:44	
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	32.1	31.8	32.5	31.8	31.4	31.4	NA
D.O. mg / L	5.25	5.53	5.99	5.84	4.63	4.64	NA
D.O. % sat.	90.0	94.5	99.9	99.6	78.7	78.9	NA
CONDUCTIVITY(umhos)	54688	54882	54501	54687	54693	54726	NA
SALINITY ppt.	36.13	36.27	35.98	36.11	36.12	36.16	NA
pH su.	8.02	8.04	8.16	8.08	8.04	8.06	NA
SECCHI DEPTH	2.0	2.0	2.0	2.0	3.5	3.5	NA
FIELD COMMENTS:	Outgoing Tide FULL SUN		Outgoing Tide FULL SUN		Outgoing Tide FULL SUN		NA
WEATHER :	83 DEG F		83 DEG F		84 DEG F		84 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				
						js 06/21/21	