

December 22, 2020

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

RE: Workorder: F2005158 MARCO

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, December 10, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,



Josh Snead - Laboratory Manager
JSnead@aellab.com

Enclosures

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SAMPLE SUMMARY

Workorder: F2005158 MARCO

Lab ID	Sample ID	Matrix	Date Collected	Date Received
F2005158001	BARFIELD_BRIDGE	Water	12/10/2020 09:30	12/10/2020 14:00
F2005158002	OLDE_MARCO	Water	12/10/2020 09:46	12/10/2020 14:00
F2005158003	JH_PARK	Water	12/10/2020 10:10	12/10/2020 14:00
F2005158004	KENDALL	Water	12/10/2020 10:25	12/10/2020 14:00
F2005158005	COLLIER_BRIDGE	Water	12/10/2020 10:40	12/10/2020 14:00
F2005158006	HC_CENTER	Water	12/10/2020 10:55	12/10/2020 14:00
F2005158007	LANDMARK	Water	12/10/2020 11:05	12/10/2020 14:00
F2005158008	LANDMARK DUP	Water	12/10/2020 11:15	12/10/2020 14:00
F2005158009	SWALLOW	Water	12/10/2020 11:29	12/10/2020 14:00
F2005158010	W_WINTERBERRY_BRIDGE	Water	12/10/2020 11:45	12/10/2020 14:00
F2005158011	E_WINTERBERRY_BRIDGE	Water	12/10/2020 11:55	12/10/2020 14:00
F2005158012	MCILVANE	Water	12/10/2020 12:15	12/10/2020 14:00
F2005158013	HOLLYHOCK	Water	12/10/2020 12:45	12/10/2020 14:00
F2005158014	HUMMINGBIRD	Water	12/10/2020 12:32	12/10/2020 14:00
F2005158015	WINDMILL	Water	12/10/2020 12:57	12/10/2020 14:00
F2005158016	EQUIPMENT BLANK	Water	12/10/2020 13:09	12/10/2020 14:00

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158001** Date Received: 12/10/20 14:00 Matrix: Water
Sample ID: **BARFIELD_BRIDGE** Date Collected: 12/10/20 09:30

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			12/10/2020 09:30	X^
Secchi Disc	2		meters	1			12/10/2020 09:30	X^
Total Depth	2.5		meters	1			12/10/2020 09:30	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	49626		umhos/cm	1			12/10/2020 09:30	F^
DO Saturation %	74.7		%	1			12/10/2020 09:30	F^
Dissolved Oxygen	5.72		mg/L	1			12/10/2020 09:30	F^
Salinity	32.55		ppt	1			12/10/2020 09:30	F^
Temperature	18.7		°C	1			12/10/2020 09:30	F^
pH	8.03		SU	1			12/10/2020 09:30	F^
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F
Analysis Desc: Chlorophylls, SM10200H, Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	10	1	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.51		mg/L	1	0.20	0.12	12/22/2020 12:11	T
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	1.4		NTU	1			12/11/2020 08:45	F
Analysis Desc: TKN, E351.2, Water			Preparation Method: Copper Sulfate Digestion					
			Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.50	I	mg/L	1	0.50	0.20	12/16/2020 10:10	G
Analysis Desc: Total Phosphorus, E365.3, Analysis			Preparation Method: EPA 365.3					
			Analytical Method: EPA 365.3					

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158001**
 Sample ID: **BARFIELD_BRIDGE**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 09:30

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Phosphorus (as P)	0.009	I	mg/L	1	0.01	0.005	12/16/2020 11:25	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.012		mg/L	1	0.010	0.0060	12/11/2020 14:32	T
Nitrate + Nitrite	0.014	I	mg/L	1	0.020	0.010	12/11/2020 14:32	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:32	T

Lab ID: **F2005158002**
 Sample ID: **OLDE_MARCO**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 09:46

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			12/10/2020 09:46	X^
Secchi Disc	1.5		meters	1			12/10/2020 09:46	X^
Total Depth	2		meters	1			12/10/2020 09:46	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50554		umhos/cm	1			12/10/2020 09:46	F^
DO Saturation %	70.3		%	1			12/10/2020 09:46	F^
Dissolved Oxygen	5.43		mg/L	1			12/10/2020 09:46	F^
Salinity	33.21		ppt	1			12/10/2020 09:46	F^
Temperature	18.4		°C	1			12/10/2020 09:46	F^
pH	8.21		SU	1			12/10/2020 09:46	F^

Microbiology

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

Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F
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WET CHEMISTRY

Analysis Desc: Total
 Nitrogen, Calculated, Water

Analytical Method: Calculation

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158002** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **OLDE_MARCO** Date Collected: 12/10/20 09:46

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.30		mg/L	1	0.20	0.12	12/22/2020 12:11	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	1.4		NTU	1			12/11/2020 08:45	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.29	I	mg/L	1	0.50	0.20	12/16/2020 10:10	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	12/16/2020 11:25	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	8.0		mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	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	12/11/2020 14:37	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	12/11/2020 14:37	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:37	T

Lab ID: **F2005158003** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **JH_PARK** Date Collected: 12/10/20 10:10

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	0.3		meters	1			12/10/2020 10:10	X^
Secchi Disc	2.5		meters	1			12/10/2020 10:10	X^
Total Depth	2.8		meters	1			12/10/2020 10:10	X^

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158003**
 Sample ID: **JH_PARK**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 10:10

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	49204		umhos/cm	1			12/10/2020 10:10	F^
DO Saturation %	81.2		%	1			12/10/2020 10:10	F^
Dissolved Oxygen	6.21		mg/L	1			12/10/2020 10:10	F^
Salinity	32.22		ppt	1			12/10/2020 10:10	F^
Temperature	19.3		°C	1			12/10/2020 10:10	F^
pH	8.19		SU	1			12/10/2020 10:10	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.33		mg/L	1	0.20	0.12	12/22/2020 12:11	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.38		NTU	1			12/11/2020 08:45	F

Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.30	I	mg/L	1	0.50	0.20	12/16/2020 10:10	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.006	I	mg/L	1	0.01	0.005	12/16/2020 11:25	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G

Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.035		mg/L	1	0.010	0.0060	12/11/2020 14:24	T
Nitrate + Nitrite	0.039		mg/L	1	0.020	0.010	12/11/2020 14:24	T

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158003**
 Sample ID: **JH_PARK**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 10:10

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	12/11/2020 14:24	T

Lab ID: **F2005158004**
 Sample ID: **KENDALL**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 10:25

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			12/10/2020 10:25	X^
Secchi Disc	1.5		meters	1			12/10/2020 10:25	X^
Total Depth	1.5		meters	1			12/10/2020 10:25	X^

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	48206		umhos/cm	1			12/10/2020 10:25	F^
DO Saturation %	64.8		%	1			12/10/2020 10:25	F^
Dissolved Oxygen	4.97		mg/L	1			12/10/2020 10:25	F^
Salinity	31.47		ppt	1			12/10/2020 10:25	F^
Temperature	20.1		°C	1			12/10/2020 10:25	F^
pH	8.18		SU	1			12/10/2020 10:25	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY							
Enterococcus	10	U	MPN/100 mL	10		10	10	12/10/2020 17:02	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation							
Total Nitrogen	0.37		mg/L	1		0.20	0.12	12/22/2020 12:11	T

Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1							
Turbidity	0.43		NTU	1				12/11/2020 08:45	F

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158004** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **KENDALL** Date Collected: 12/10/20 10:25

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	0.33	I	mg/L	1	0.50	0.20	12/16/2020 10:10	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	12/16/2020 11:25	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.036		mg/L	1	0.010	0.0060	12/11/2020 14:30	T
Nitrate + Nitrite	0.040		mg/L	1	0.020	0.010	12/11/2020 14:30	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:30	T

Lab ID: **F2005158005** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **COLLIER_BRIDGE** Date Collected: 12/10/20 10:40

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			12/10/2020 10:40	X^
Secchi Disc	2.8		meters	1			12/10/2020 10:40	X^
Total Depth	3.2		meters	1			12/10/2020 10:40	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	47944		umhos/cm	1			12/10/2020 10:40	F^
DO Saturation %	62.7		%	1			12/10/2020 10:40	F^
Dissolved Oxygen	4.82		mg/L	1			12/10/2020 10:40	F^
Salinity	30.59		ppt	1			12/10/2020 10:40	F^

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158005**
 Sample ID: **COLLIER_BRIDGE**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 10:40

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	19.9		°C	1			12/10/2020 10:40	F^
pH	8.14		SU	1			12/10/2020 10:40	F^

Microbiology

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

Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F
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WET CHEMISTRY

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

Total Nitrogen	0.35		mg/L	1	0.20	0.12	12/22/2020 12:11	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	0.95		NTU	1			12/11/2020 08:45	F
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Analysis Desc: TKN, E351.2, Water Preparation Method: Copper Sulfate Digestion
 Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.30	I	mg/L	1	0.50	0.20	12/16/2020 10:10	G
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Analysis Desc: Total Phosphorus, E365.3, Analysis Preparation Method: EPA 365.3
 Analytical Method: EPA 365.3

Total Phosphorus (as P)	0.020		mg/L	1	0.01	0.005	12/16/2020 11:25	G
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Analysis Desc: Chlorophylls, SM10200H, Water Analytical Method: SM 10200 H

Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G

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

Nitrate (as N)	0.042		mg/L	1	0.010	0.0060	12/11/2020 14:31	T
Nitrate + Nitrite	0.046		mg/L	1	0.020	0.010	12/11/2020 14:31	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:31	T

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158006**
Sample ID: **HC_CENTER**

Date Received: 12/10/20 14:00 Matrix: Water
Date Collected: 12/10/20 10:55

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			12/10/2020 10:55	X^
Secchi Disc	1.5		meters	1			12/10/2020 10:55	X^
Total Depth	1.5		meters	1			12/10/2020 10:55	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	47698		umhos/cm	1			12/10/2020 10:55	F^
DO Saturation %	66.9		%	1			12/10/2020 10:55	F^
Dissolved Oxygen	5.16		mg/L	1			12/10/2020 10:55	F^
Salinity	31.12		ppt	1			12/10/2020 10:55	F^
Temperature	19.6		°C	1			12/10/2020 10:55	F^
pH	8.18		SU	1			12/10/2020 10:55	F^
WET CHEMISTRY								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F
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	12/16/2020 11:25	G
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.31		mg/L	1	0.20	0.12	12/22/2020 12:11	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.62		NTU	1			12/11/2020 08:45	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.25	I	mg/L	1	0.50	0.20	12/16/2020 10:10	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158006**
 Sample ID: **HC_CENTER**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 10:55

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	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.049		mg/L	1	0.010	0.0060	12/11/2020 14:35	T
Nitrate + Nitrite	0.059		mg/L	1	0.020	0.010	12/11/2020 14:35	T
Nitrite (as N)	0.010		mg/L	1	0.010	0.0080	12/11/2020 14:35	T

Lab ID: **F2005158007**
 Sample ID: **LANDMARK**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 11:05

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			12/10/2020 11:05	X^
Secchi Disc	2.2		meters	1			12/10/2020 11:05	X^
Total Depth	2.2		meters	1			12/10/2020 11:05	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50836		umhos/cm	1			12/10/2020 11:05	F^
DO Saturation %	44.6		%	1			12/10/2020 11:05	F^
Dissolved Oxygen	3.3		mg/L	1			12/10/2020 11:05	F^
Salinity	33.41		ppt	1			12/10/2020 11:05	F^
Temperature	20.7		°C	1			12/10/2020 11:05	F^
pH	8.15		SU	1			12/10/2020 11:05	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158007** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **LANDMARK** Date Collected: 12/10/20 11:05

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Phosphorus (as P)	0.025		mg/L	1	0.01	0.005	12/16/2020 11:45	G

WET CHEMISTRY

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

Total Nitrogen	0.46		mg/L	1	0.20	0.12	12/22/2020 12:11	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	0.49		NTU	1			12/11/2020 08:45	F
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Analysis Desc: TKN, E351.2, Water Preparation Method: Copper Sulfate Digestion

Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.44	I	mg/L	1	0.50	0.20	12/16/2020 10:10	G
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Analysis Desc: Chlorophylls, SM10200H, Water Analytical Method: SM 10200 H

Corrected Chlorophyll A	3.2		mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G

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

Nitrate (as N)	0.021		mg/L	1	0.010	0.0060	12/11/2020 14:22	T
Nitrate + Nitrite	0.024		mg/L	1	0.020	0.010	12/11/2020 14:22	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:22	T

Lab ID: **F2005158008** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **LANDMARK DUP** Date Collected: 12/10/20 11:15

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			12/10/2020 11:15	X^
Secchi Disc	2.2		meters	1			12/10/2020 11:15	X^
Total Depth	2.2		meters	1			12/10/2020 11:15	X^

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158008**
Sample ID: **LANDMARK DUP**

Date Received: 12/10/20 14:00 Matrix: Water
Date Collected: 12/10/20 11:15

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	50837		umhos/cm	1			12/10/2020 11:15	F^
DO Saturation %	45		%	1			12/10/2020 11:15	F^
Dissolved Oxygen	3.32		mg/L	1			12/10/2020 11:15	F^
Salinity	33.42		ppt	1			12/10/2020 11:15	F^
Temperature	20.7		°C	1			12/10/2020 11:15	F^
pH	8.15		SU	1			12/10/2020 11:15	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.45		mg/L	1	0.20	0.12	12/22/2020 12:11	T
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	1.0		NTU	1			12/11/2020 08:45	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.44	I	mg/L	1	0.50	0.20	12/16/2020 10:10	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.051		mg/L	1	0.01	0.005	12/16/2020 11:45	G
Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.012	J4	mg/L	1	0.010	0.0060	12/11/2020 14:44	T
Nitrate + Nitrite	0.014	I	mg/L	1	0.020	0.010	12/11/2020 14:44	T

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158008** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **LANDMARK DUP** Date Collected: 12/10/20 11:15

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	12/11/2020 14:44	T

Lab ID: **F2005158009** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 12/10/20 11:29

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			12/10/2020 11:29	X^
Secchi Disc	1.5		meters	1			12/10/2020 11:29	X^
Total Depth	2.2		meters	1			12/10/2020 11:29	X^

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

Conductivity	49169		umhos/cm	1			12/10/2020 11:29	F^
DO Saturation %	49		%	1			12/10/2020 11:29	F^
Dissolved Oxygen	3.69		mg/L	1			12/10/2020 11:29	F^
Salinity	32.33		ppt	1			12/10/2020 11:29	F^
Temperature	20.6		°C	1			12/10/2020 11:29	F^
pH	8.12		SU	1			12/10/2020 11:29	F^

Microbiology

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

Enterococcus	10		MPN/100 mL	10	10	10	12/10/2020 17:02	F
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WET CHEMISTRY

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

Total Nitrogen	0.48		mg/L	1	0.20	0.12	12/22/2020 12:11	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	1.1		NTU	1			12/11/2020 08:45	F
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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158009** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 12/10/20 11:29

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	0.44	I	mg/L	1	0.50	0.20	12/16/2020 10:10	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.037		mg/L	1	0.01	0.005	12/16/2020 11:45	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.042	J4	mg/L	1	0.010	0.0060	12/11/2020 14:33	T
Nitrate + Nitrite	0.046		mg/L	1	0.020	0.010	12/11/2020 14:33	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:33	T

Lab ID: **F2005158010** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 12/10/20 11:45

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			12/10/2020 11:45	X^
Secchi Disc	1.6		meters	1			12/10/2020 11:45	X^
Total Depth	1.6		meters	1			12/10/2020 11:45	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50249		umhos/cm	1			12/10/2020 11:45	F^
DO Saturation %	66.4		%	1			12/10/2020 11:45	F^
Dissolved Oxygen	5.2		mg/L	1			12/10/2020 11:45	F^
Salinity	33		ppt	1			12/10/2020 11:45	F^

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158010** Date Received: 12/10/20 14:00 Matrix: Water
Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 12/10/20 11:45

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	19.8		°C	1			12/10/2020 11:45	F^
pH	8.18		SU	1			12/10/2020 11:45	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.38		mg/L	1	0.20	0.12	12/22/2020 12:11	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.90		NTU	1			12/11/2020 08:45	F

Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.35	I	mg/L	1	0.50	0.20	12/16/2020 10:10	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	12/16/2020 11:45	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G

Analysis Desc: Nitrate+Nitrite Low- Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.031		mg/L	1	0.010	0.0060	12/11/2020 14:43	T
Nitrate + Nitrite	0.037		mg/L	1	0.020	0.010	12/11/2020 14:43	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:43	T

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158011** Date Received: 12/10/20 14:00 Matrix: Water
Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 12/10/20 11:55

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			12/10/2020 11:55	X^
Secchi Disc	2.5		meters	1			12/10/2020 11:55	X^
Total Depth	2.9		meters	1			12/10/2020 11:55	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	50342		umhos/cm	1			12/10/2020 11:55	F^
DO Saturation %	70.8		%	1			12/10/2020 11:55	F^
Dissolved Oxygen	5.45		mg/L	1			12/10/2020 11:55	F^
Salinity	33.06		ppt	1			12/10/2020 11:55	F^
Temperature	19.6		°C	1			12/10/2020 11:55	F^
pH	8.23		SU	1			12/10/2020 11:55	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.33		mg/L	1	0.20	0.12	12/22/2020 12:11	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.58		NTU	1			12/11/2020 08:45	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.29	I	mg/L	1	0.50	0.20	12/16/2020 10:10	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	12/16/2020 11:45	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158011** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 12/10/20 11:55

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	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.034		mg/L	1	0.010	0.0060	12/11/2020 14:23	T
Nitrate + Nitrite	0.039		mg/L	1	0.020	0.010	12/11/2020 14:23	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:23	T

Lab ID: **F2005158012** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **MCILVANE** Date Collected: 12/10/20 12:15

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			12/10/2020 12:15	X^
Secchi Disc	2.2		meters	1			12/10/2020 12:15	X^
Total Depth	2.2		meters	1			12/10/2020 12:15	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50477		umhos/cm	1			12/10/2020 12:15	F^
DO Saturation %	69.6		%	1			12/10/2020 12:15	F^
Dissolved Oxygen	5.21		mg/L	1			12/10/2020 12:15	F^
Salinity	33.18		ppt	1			12/10/2020 12:15	F^
Temperature	19.4		°C	1			12/10/2020 12:15	F^
pH	8.24		SU	1			12/10/2020 12:15	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10		MPN/100 mL	10	10	10	12/10/2020 17:02	F

WET CHEMISTRY

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

Workorder: F2005158 MARCO

Lab ID: **F2005158012**
 Sample ID: **MCILVANE**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 12:15

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.27		mg/L	1	0.20	0.12	12/22/2020 12:11	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	0.69		NTU	1			12/11/2020 08:45	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.25	I	mg/L	1	0.50	0.20	12/16/2020 12:49	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.006	I	mg/L	1	0.01	0.005	12/16/2020 11:45	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.024		mg/L	1	0.010	0.0060	12/11/2020 14:36	T
Nitrate + Nitrite	0.028		mg/L	1	0.020	0.010	12/11/2020 14:36	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:36	T

Lab ID: **F2005158013**
 Sample ID: **HOLLYHOCK**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 12:45

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			12/10/2020 12:45	X^
Secchi Disc	1.7		meters	1			12/10/2020 12:45	X^
Total Depth	1.7		meters	1			12/10/2020 12:45	X^

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158013**
Sample ID: **HOLLYHOCK**

Date Received: 12/10/20 14:00 Matrix: Water
Date Collected: 12/10/20 12:45

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	50310		umhos/cm	1			12/10/2020 12:45	F^
DO Saturation %	67.2		%	1			12/10/2020 12:45	F^
Dissolved Oxygen	5.17		mg/L	1			12/10/2020 12:45	F^
Salinity	33.03		ppt	1			12/10/2020 12:45	F^
Temperature	18.9		°C	1			12/10/2020 12:45	F^
pH	8.32		SU	1			12/10/2020 12:45	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	12/10/2020 17:02	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.34		mg/L	1	0.20	0.12	12/22/2020 12:11	T
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	0.69		NTU	1			12/11/2020 08:45	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.32	I	mg/L	1	0.50	0.20	12/16/2020 12:49	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.009	I	mg/L	1	0.01	0.005	12/16/2020 11:45	G
Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.021		mg/L	1	0.010	0.0060	12/11/2020 14:37	T
Nitrate + Nitrite	0.025		mg/L	1	0.020	0.010	12/11/2020 14:37	T

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158013** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **HOLLYHOCK** Date Collected: 12/10/20 12:45

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	12/11/2020 14:37	T

Lab ID: **F2005158014** Date Received: 12/10/20 14:00 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 12/10/20 12:32

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	0.3		meters	1			12/10/2020 12:32	X^
Secchi Disc	1.6		meters	1			12/10/2020 12:32	X^
Total Depth	1.6		meters	1			12/10/2020 12:32	X^

Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	48279		umhos/cm	1			12/10/2020 12:32	F^
DO Saturation %	63.2		%	1			12/10/2020 12:32	F^
Dissolved Oxygen	4.91		mg/L	1			12/10/2020 12:32	F^
Salinity	31.59		ppt	1			12/10/2020 12:32	F^
Temperature	19.5		°C	1			12/10/2020 12:32	F^
pH	8.17		SU	1			12/10/2020 12:32	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY							
Enterococcus	10	U	MPN/100 mL	10		10	10	12/10/2020 17:02	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation							
Total Nitrogen	0.38		mg/L	1		0.20	0.12	12/22/2020 12:16	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1							
Turbidity	0.72		NTU	1				12/11/2020 08:45	F

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158014**
 Sample ID: **HUMMINGBIRD**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 12:32

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	0.34	I	mg/L	1	0.50	0.20	12/16/2020 12:49	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.009	I	mg/L	1	0.01	0.005	12/16/2020 11:45	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.031		mg/L	1	0.010	0.0060	12/11/2020 14:31	T
Nitrate + Nitrite	0.035		mg/L	1	0.020	0.010	12/11/2020 14:31	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:31	T

Lab ID: **F2005158015**
 Sample ID: **WINDMILL**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 12:57

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			12/10/2020 12:57	X^
Secchi Disc	2		meters	1			12/10/2020 12:57	X^
Total Depth	2		meters	1			12/10/2020 12:57	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	49274		umhos/cm	1			12/10/2020 12:57	F^
DO Saturation %	60.4		%	1			12/10/2020 12:57	F^
Dissolved Oxygen	4.72		mg/L	1			12/10/2020 12:57	F^
Salinity	32.3		ppt	1			12/10/2020 12:57	F^

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158015**
 Sample ID: **WINDMILL**

Date Received: 12/10/20 14:00 Matrix: Water
 Date Collected: 12/10/20 12:57

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	19.3		°C	1			12/10/2020 12:57	F^
pH	8.29		SU	1			12/10/2020 12:57	F^

Microbiology

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

Enterococcus	10		MPN/100 mL	10	10	10	12/10/2020 17:02	F
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WET CHEMISTRY

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

Total Nitrogen	0.39		mg/L	1	0.20	0.12	12/22/2020 12:11	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	0.82		NTU	1			12/11/2020 08:45	F
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Analysis Desc: TKN, E351.2, Water Preparation Method: Copper Sulfate Digestion
 Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.39	I	mg/L	1	0.50	0.20	12/16/2020 12:49	G
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Analysis Desc: Total Phosphorus, E365.3, Analysis Preparation Method: EPA 365.3
 Analytical Method: EPA 365.3

Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	12/16/2020 11:45	G
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Analysis Desc: Chlorophylls, SM10200H, Water Analytical Method: SM 10200 H

Corrected Chlorophyll A	4.8		mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Phaeophytin A	3.0		mg/m3	1	3.0	2.5	12/15/2020 11:30	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	12/11/2020 14:29	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	12/11/2020 14:29	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:29	T

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ANALYTICAL RESULTS

Workorder: F2005158 MARCO

Lab ID: **F2005158016**
Sample ID: **EQUIPMENT BLANK**

Date Received: 12/10/20 14:00 Matrix: Water
Date Collected: 12/10/20 13:09

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	1	U	MPN/100 mL	1	1	1	12/10/2020 17:02	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	12/22/2020 12:11	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.18		NTU	1			12/11/2020 08:45	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.20	U	mg/L	1	0.50	0.20	12/16/2020 12:49	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	12/16/2020 11:45	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	12/15/2020 11:30	G
Analysis Desc: Nitrate+Nitrite Low- Level,SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.016		mg/L	1	0.010	0.0060	12/11/2020 14:22	T
Nitrate + Nitrite	0.017	I	mg/L	1	0.020	0.010	12/11/2020 14:22	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	12/11/2020 14:22	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: F2005158 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: 12/11/2020 13:24

- J4 Estimated Result

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: F2005158 MARCO

QC Batch: MICf/1484 Analysis Method: ENTEROLERT/ QUANTI-TRAY
QC Batch Method: ENTEROLERT/ QUANTI-TRAY Prepared:
Associated Lab Samples: F2005158001, F2005158002, F2005158003, F2005158004, F2005158005, F2005158006, F2005158007,

METHOD BLANK: 3711333

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology Enterococcus	MPN/100	10	10 U

QC Batch: WCAf/1797 Analysis Method: EPA 180.1
QC Batch Method: EPA 180.1 Prepared:
Associated Lab Samples: F2005158001, F2005158002, F2005158003, F2005158004, F2005158005, F2005158006, F2005158007,

METHOD BLANK: 3711418

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

QC Batch: WCA/8157 Analysis Method: SM 4500NO3-F (Low Level)
QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
Associated Lab Samples: F2005158001, F2005158003, F2005158004, F2005158005, F2005158007, F2005158009, F2005158011,

METHOD BLANK: 3712511

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

QC Batch: WCA/8159 Analysis Method: SM 4500NO3-F (Low Level)
QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
Associated Lab Samples: F2005158002, F2005158006, F2005158008, F2005158010, F2005158012, F2005158013

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QUALITY CONTROL DATA

Workorder: F2005158 MARCO

METHOD BLANK: 3712519

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

QC Batch: WCAg/5157 Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H Prepared:

Associated Lab Samples: F2005158001, F2005158002, F2005158003, F2005158004, F2005158005, F2005158006, F2005158007,

METHOD BLANK: 3714897

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

QC Batch: WCAg/5163 Analysis Method: EPA 351.2

QC Batch Method: Copper Sulfate Digestion Prepared: 12/15/2020 16:55

Associated Lab Samples: F2005158001, F2005158002, F2005158003, F2005158004, F2005158005, F2005158006, F2005158007,

METHOD BLANK: 3716073

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

QC Batch: WCAg/5164 Analysis Method: EPA 351.2

QC Batch Method: Copper Sulfate Digestion Prepared: 12/15/2020 16:55

Associated Lab Samples: F2005158012, F2005158013, F2005158014, F2005158015, F2005158016

METHOD BLANK: 3716085

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

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QUALITY CONTROL DATA

Workorder: F2005158 MARCO

QC Batch: WCAg/5171 Analysis Method: EPA 365.3
 QC Batch Method: EPA 365.3 Prepared: 12/16/2020 11:25
 Associated Lab Samples: F2005158001, F2005158002, F2005158003, F2005158004, F2005158005, F2005158006

METHOD BLANK: 3716720

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

QC Batch: WCAg/5173 Analysis Method: EPA 365.3
 QC Batch Method: EPA 365.3 Prepared: 12/16/2020 11:45
 Associated Lab Samples: F2005158007, F2005158008, F2005158009, F2005158010, F2005158011, F2005158012, F2005158013,

METHOD BLANK: 3716847

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

QUALITY CONTROL DATA QUALIFIERS

Workorder: F2005158 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: F2005158 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2005158001	BARFIELD_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158002	OLDE_MARCO			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158003	JH_PARK			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158004	KENDALL			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158005	COLLIER_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158006	HC_CENTER			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158007	LANDMARK			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158008	LANDMARK DUP			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158009	SWALLOW			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158010	W_WINTERBERRY_BRID GE			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158011	E_WINTERBERRY_BRIDG E			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158012	MCILVANE			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158013	HOLLYHOCK			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158014	HUMMINGBIRD			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158015	WINDMILL			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158016	EQUIPMENT BLANK			ENTEROLERT/ QUANTI-TRAY	MICf/1484
F2005158001	BARFIELD_BRIDGE			EPA 180.1	WCAf/1797
F2005158002	OLDE_MARCO			EPA 180.1	WCAf/1797
F2005158003	JH_PARK			EPA 180.1	WCAf/1797
F2005158004	KENDALL			EPA 180.1	WCAf/1797
F2005158005	COLLIER_BRIDGE			EPA 180.1	WCAf/1797
F2005158006	HC_CENTER			EPA 180.1	WCAf/1797
F2005158007	LANDMARK			EPA 180.1	WCAf/1797
F2005158008	LANDMARK DUP			EPA 180.1	WCAf/1797
F2005158009	SWALLOW			EPA 180.1	WCAf/1797
F2005158010	W_WINTERBERRY_BRID GE			EPA 180.1	WCAf/1797
F2005158011	E_WINTERBERRY_BRIDG E			EPA 180.1	WCAf/1797
F2005158012	MCILVANE			EPA 180.1	WCAf/1797

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2005158 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2005158013	HOLLYHOCK			EPA 180.1	WCAf/1797
F2005158014	HUMMINGBIRD			EPA 180.1	WCAf/1797
F2005158015	WINDMILL			EPA 180.1	WCAf/1797
F2005158016	EQUIPMENT BLANK			EPA 180.1	WCAf/1797
F2005158001	BARFIELD_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158003	JH_PARK			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158004	KENDALL			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158005	COLLIER_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158007	LANDMARK			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158009	SWALLOW			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158011	E_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158014	HUMMINGBIRD			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158015	WINDMILL			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158016	EQUIPMENT BLANK			SM 4500NO3-F (Low Level)	WCAf/8157
F2005158002	OLDE_MARCO			SM 4500NO3-F (Low Level)	WCAf/8159
F2005158006	HC_CENTER			SM 4500NO3-F (Low Level)	WCAf/8159
F2005158008	LANDMARK DUP			SM 4500NO3-F (Low Level)	WCAf/8159
F2005158010	W_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/8159
F2005158012	MCILVANE			SM 4500NO3-F (Low Level)	WCAf/8159
F2005158013	HOLLYHOCK			SM 4500NO3-F (Low Level)	WCAf/8159
F2005158001	BARFIELD_BRIDGE			SM 10200 H	WCAg/5157
F2005158002	OLDE_MARCO			SM 10200 H	WCAg/5157
F2005158003	JH_PARK			SM 10200 H	WCAg/5157
F2005158004	KENDALL			SM 10200 H	WCAg/5157
F2005158005	COLLIER_BRIDGE			SM 10200 H	WCAg/5157
F2005158006	HC_CENTER			SM 10200 H	WCAg/5157

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2005158 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2005158007	LANDMARK			SM 10200 H	WCAg/5157
F2005158008	LANDMARK DUP			SM 10200 H	WCAg/5157
F2005158009	SWALLOW			SM 10200 H	WCAg/5157
F2005158010	W_WINTERBERRY_BRIDGE			SM 10200 H	WCAg/5157
F2005158011	E_WINTERBERRY_BRIDGE			SM 10200 H	WCAg/5157
F2005158012	MCILVANE			SM 10200 H	WCAg/5157
F2005158013	HOLLYHOCK			SM 10200 H	WCAg/5157
F2005158014	HUMMINGBIRD			SM 10200 H	WCAg/5157
F2005158015	WINDMILL			SM 10200 H	WCAg/5157
F2005158016	EQUIPMENT BLANK			SM 10200 H	WCAg/5157
F2005158001	BARFIELD_BRIDGE	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158002	OLDE_MARCO	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158003	JH_PARK	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158004	KENDALL	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158005	COLLIER_BRIDGE	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158006	HC_CENTER	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158007	LANDMARK	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158008	LANDMARK DUP	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158009	SWALLOW	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158010	W_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158011	E_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAg/5163	EPA 351.2	WCAg/5184
F2005158012	MCILVANE	Copper Sulfate Digestion	WCAg/5164	EPA 351.2	WCAg/5186
F2005158013	HOLLYHOCK	Copper Sulfate Digestion	WCAg/5164	EPA 351.2	WCAg/5186
F2005158014	HUMMINGBIRD	Copper Sulfate Digestion	WCAg/5164	EPA 351.2	WCAg/5186
F2005158015	WINDMILL	Copper Sulfate Digestion	WCAg/5164	EPA 351.2	WCAg/5186
F2005158016	EQUIPMENT BLANK	Copper Sulfate Digestion	WCAg/5164	EPA 351.2	WCAg/5186
F2005158001	BARFIELD_BRIDGE	EPA 365.3	WCAg/5171	EPA 365.3	WCAg/5172
F2005158002	OLDE_MARCO	EPA 365.3	WCAg/5171	EPA 365.3	WCAg/5172
F2005158003	JH_PARK	EPA 365.3	WCAg/5171	EPA 365.3	WCAg/5172

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2005158 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2005158004	KENDALL	EPA 365.3	WCAG/5171	EPA 365.3	WCAG/5172
F2005158005	COLLIER_BRIDGE	EPA 365.3	WCAG/5171	EPA 365.3	WCAG/5172
F2005158006	HC_CENTER	EPA 365.3	WCAG/5171	EPA 365.3	WCAG/5172
F2005158007	LANDMARK	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158008	LANDMARK DUP	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158009	SWALLOW	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158010	W_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158011	E_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158012	MCILVANE	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158013	HOLLYHOCK	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158014	HUMMINGBIRD	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158015	WINDMILL	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158016	EQUIPMENT BLANK	EPA 365.3	WCAG/5173	EPA 365.3	WCAG/5174
F2005158001	BARFIELD_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2005158001	BARFIELD_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2005158001	BARFIELD_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158002	OLDE_MARCO	Calculation	CLCt/	Calculation	CLCt/
F2005158002	OLDE_MARCO	DISRES	FLDx/	DISRES	FLDx/
F2005158002	OLDE_MARCO	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158003	JH_PARK	Calculation	CLCt/	Calculation	CLCt/
F2005158003	JH_PARK	DISRES	FLDx/	DISRES	FLDx/
F2005158003	JH_PARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158004	KENDALL	Calculation	CLCt/	Calculation	CLCt/
F2005158004	KENDALL	DISRES	FLDx/	DISRES	FLDx/
F2005158004	KENDALL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158005	COLLIER_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2005158005	COLLIER_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2005158005	COLLIER_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158006	HC_CENTER	Calculation	CLCt/	Calculation	CLCt/
F2005158006	HC_CENTER	DISRES	FLDx/	DISRES	FLDx/
F2005158006	HC_CENTER	Field Measurements	FLDf/	Field Measurements	FLDf/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2005158 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2005158007	LANDMARK	Calculation	CLCt/	Calculation	CLCt/
F2005158007	LANDMARK	DISRES	FLDx/	DISRES	FLDx/
F2005158007	LANDMARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158008	LANDMARK DUP	Calculation	CLCt/	Calculation	CLCt/
F2005158008	LANDMARK DUP	DISRES	FLDx/	DISRES	FLDx/
F2005158008	LANDMARK DUP	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158009	SWALLOW	Calculation	CLCt/	Calculation	CLCt/
F2005158009	SWALLOW	DISRES	FLDx/	DISRES	FLDx/
F2005158009	SWALLOW	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158010	W_WINTERBERRY_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2005158010	W_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2005158010	W_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158011	E_WINTERBERRY_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2005158011	E_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2005158011	E_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158012	MCILVANE	Calculation	CLCt/	Calculation	CLCt/
F2005158012	MCILVANE	DISRES	FLDx/	DISRES	FLDx/
F2005158012	MCILVANE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158013	HOLLYHOCK	Calculation	CLCt/	Calculation	CLCt/
F2005158013	HOLLYHOCK	DISRES	FLDx/	DISRES	FLDx/
F2005158013	HOLLYHOCK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158014	HUMMINGBIRD	Calculation	CLCt/	Calculation	CLCt/
F2005158014	HUMMINGBIRD	DISRES	FLDx/	DISRES	FLDx/
F2005158014	HUMMINGBIRD	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158015	WINDMILL	Calculation	CLCt/	Calculation	CLCt/
F2005158015	WINDMILL	DISRES	FLDx/	DISRES	FLDx/
F2005158015	WINDMILL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2005158016	EQUIPMENT BLANK	Calculation	CLCt/	Calculation	CLCt/

CERTIFICATE OF ANALYSIS

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Queue: WCA

Batch Number: 8157

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SM 4500NO3-F (Low Level)

Preparation: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recovery of Nitrate for F2005158009 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS), Matrix Spike (MS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low high in this matrix. No further corrective action was required.

E. Serial Dilution: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:



Queue: WCAt

Batch Number: 8159

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SM 4500NO3-F (Low Level)

Preparation: None

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike recovery of Nitrate for F2005158008 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS), Matrix Spike (MS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. No further corrective action was required.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:



Advanced Environmental Laboratories, Inc.

Allamonte Springs: 380 Northlake Blvd., Ste. 1048, Ft. 32701 • 407.937.1594 • Lab ID: ES30
 Fort Myers: 13100 Westlakes Terrace, Ste. 10, Ft. 33913 • 239.674.8130 • Lab ID: ES4492
 Jacksonville: 6601 Sunpoint Pkwy., Ft. 32216 • 904.363.9350 • Lab ID: ES2574
 Tallahassee: 2639 North Monroe St., Suite D, Ft. 32303 • 850.219.6274 • Lab ID: ES11095



1 of 2
 3 • 352.377.2349 • Lab ID: ES2001
 • 954.869.2288 • Lab ID: ES2535
 • 813.630.9616 • Lab ID: ES4599

Client Name: City of Marco Island
 Address: 50 Bald Eagle Dr.
 Marco Island, FL 34145
 Phone: 239-300-1462
 FAX: 239-300-1462
 Contact: Tonia Selmeski
 Turn Around Time: Standard
 Rush

Project Name: Marco Island Water Quality
 Project Number:
 PO Number:
 FDEP Facility No:
 FDEP Facility Addr:
 Special Instructions:

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	ANALYSIS REQUIRED				BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME			NO2 / NO3 / TURB	TKN / TP / TN	CHLOR - A	ENTERO		
site 1	Barfield Bridge	Grab	0930	11/10/20	SW	4	X	X	X	X		001
site 6	Olde Marco	Grab	0911	11/10/20	SW	4	X	X	X	X		002
site 2	JH Park	Grab	1010	11/10/20	SW	4	X	X	X	X		003
site 5	Kendall	Grab	1035	11/10/20	SW	4	X	X	X	X		004
site 3	Collier Bridge	Grab	1110/20	11/10/20	SW	4	X	X	X	X		005
site 4	HC Center	Grab		1055	SW	4	X	X	X	X		006
site 14	Landmark	Grab		1105	SW	4	X	X	X	X		007
site 14D	Landmark Dup.	Grab		1115	SW	4	X	X	X	X		008
site 13	Swallow	Grab		1129	SW	4	X	X	X	X		009
site 12	West Winterberry Bridge	Grab		1145	SW	4	X	X	X	X		010

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	ANALYSIS REQUIRED				BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME			NO2 / NO3 / TURB	TKN / TP / TN	CHLOR - A	ENTERO		
site 1	Barfield Bridge	Grab	0930	11/10/20	SW	4	X	X	X	X		001
site 6	Olde Marco	Grab	0911	11/10/20	SW	4	X	X	X	X		002
site 2	JH Park	Grab	1010	11/10/20	SW	4	X	X	X	X		003
site 5	Kendall	Grab	1035	11/10/20	SW	4	X	X	X	X		004
site 3	Collier Bridge	Grab	1110/20	11/10/20	SW	4	X	X	X	X		005
site 4	HC Center	Grab		1055	SW	4	X	X	X	X		006
site 14	Landmark	Grab		1105	SW	4	X	X	X	X		007
site 14D	Landmark Dup.	Grab		1115	SW	4	X	X	X	X		008
site 13	Swallow	Grab		1129	SW	4	X	X	X	X		009
site 12	West Winterberry Bridge	Grab		1145	SW	4	X	X	X	X		010

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
 Device used for measuring Temp by unique identifier (circle (R) temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V
 Temp. when received (observed) 60 °C Temp. when received (corrected) 60 °C

Relinquished By:	Date	Time	Received by:	Date	Time
[Signature]	11/10/20	1400	[Signature]	11/10/20	1400

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

F20025158

- Gainesville: 4955 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: ES2001
- Miramar: 10200 USA Today Way, FL 33025 • 954.888.2288 • Lab ID: ES2535
- Tampa: 5610 Progress Palm Ave., FL 33618 • 813.630.9616 • Lab ID: ES4599

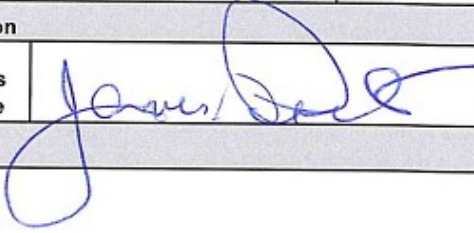
Client Name: City of Marco Island		Project Name: Marco Island Water Quality		BOTTLE SIZE & TYPE		250 mL Plastic	250 mL Plastic	1L Amb Plastic	125 mL Plastic													
Address: 50 Bald Eagle Dr. Marco Island, FL 34145		Project Number:		NO2 / NO3 / TURB																		
Phone: 239-300-1462		FDEP Facility No.:		TKN / TP / TN																		
FAX: 239-300-1462		FDEP Facility Addr.:		CHLOR - A																		
Contact: Tonia Selmeski		Special Instructions:		ENTERO																		
Turn Around Time: Standard		Rush		Preservation		Ice	H2SO4	Ice	Nathlo													
Sampled By: AEL Profile #:		ADAPT		Field-Filtered?																		
SAMPLE ID		SAMPLE DESCRIPTION		Grab Comp		DATE		TIME		MATRIX		NO. COUNT		LABORATORY I.D. NUMBER								
site 11	East Winterberry Bridge	Grab		12/10/20	1155	SW	4	X	X	X	X										011	
site 10	Mclivaine	Grab		12/15	1215	SW	4	X	X	X	X											012
site 8	Hollyhock	Grab		12/4/5	1245	SW	4	X	X	X	X											013
site 9	Hummingbird	Grab		12/22	1222	SW	4	X	X	X	X											014
site 7	Windmill	Grab		12/6/7	1267	SW	4	X	X	X	X											015
EQB	Equipment Blank	Grab		1/30/9	1309	SW	4	X	X	X	X											016

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge
 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 (R) temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V
 Temp. when received (observed) 6.0 °C Temp. when received (corrected) 6.0 °C

1	Relinquished by:	Date	Time	Received by:	Date	Time
2		12/15/20	1405		12/10/20	1400
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

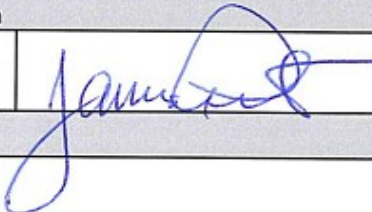
Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS					
Water Sample Parameters								
SAMPLE LOCATION	BARFIELD BRIDGE	BARFIELD BRIDGE	OLDE MARCO	OLDE MARCO	JH PARK	JH PARK	KENDALL	KENDALL
SAMPLE TIME	0930	0935	0946	0950	1010	1015	1025	1030
SAMPLE DEPTH	0.30m top	2.20m	0.30m top	1.70m	0.30m top	2.50m	0.30m top	1.20m
TOTAL DEPTH	2.50m	2.50m	2.00m	2.00m	2.80m	2.80m	1.50m	1.50m
TEMP /C	18.7	18.6	18.4	18.4	19.3	19.3	20.1	20.1
D.O. mg / L	5.72	5.17	5.43	5.38	6.21	6.14	4.97	5.84
D.O. % sat.	74.7	66.5	70.3	70.3	81.2	79.4	64.8	75.1
CONDUCTIVITY(umhos)	49,626	50,178	50,554	50,680	49,204	49,159	48,206	48,228
SALINITY ppt.	32.55	32.94	33.21	33.30	32.22	32.18	31.47	31.51
pH su.	8.03	8.11	8.21	8.23	8.19	8.18	8.18	8.19
SECCHI	2.00m	2.00m	1.50m	1.50m	2.50m	2.50m	1.50m	1.50m
FIELD COMMENTS:	OUTGOING TIDE LOW FLOW		OUTGOING TIDE LOW FLOW		OUTGOING TIDE LOW FLOW		OUTGOING TIDE LOW FLOW	
WEATHER :	SUNNY 17 DEG C		SUNNY 17 DEG C		SUNNY 18 DEG C		SUNNY 18 DEG C	
FIELD EQUIP. USED: ID # :	VAN DORN F3X		VAN DORN F3X		VAN DORN F3X		VAN DORN F3X	
Authentication								
SAMPLED BY: (PRINT) /	JAMES PEET AEL				Sampler's Signature 	Date		
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES						12/10/20		

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	HC CENTER	HC CENTER	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP
SAMPLE TIME	1040	1045	1055	1100	1105	1110	1115	1120
SAMPLE DEPTH	0.30m top	2.90m	0.30m top	1.20m	0.30m top	1.90	0.30m top	1.90
TOTAL DEPTH	3.20m	3.20m	1.50m	1.50m	2.20m	2.20m	2.20m	2.20m
TEMP /C	19.9	20.2	19.6	19.6	20.7	20.7	20.7	20.7
D.O. mg / L	4.82	4.49	5.16	5.47	3.30	3.93	3.32	3.21
D.O. % sat.	62.7	58.0	66.9	73.6	44.6	54.4	45.0	49.6
CONDUCTIVITY(umhos)	47,944	48,439	47,698	47,744	50,836	50,873	50,837	50,870
SALINITY ppt.	30.59	31.66	31.12	31.15	33.41	33.44	33.42	33.44
pH su.	8.14	8.13	8.18	8.20	8.15	8.15	8.15	8.15
SECCHI	2.80m	2.80m	1.50m	1.50m	2.20m	2.20m	2.20m	2.20m

FIELD COMMENTS:	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW
WEATHER :	SUNNY 18 DEG C	SUNNY 18 DEG C	SUNNY 18 DEG C	SUNNY 18 DEG C
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

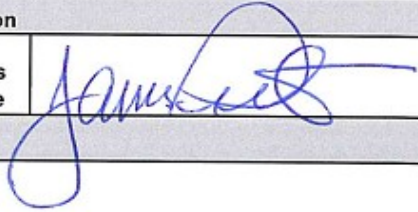
Authentication			
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			12/10/20

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	SWALLOW	SWALLOW	WEST WB BRIDGE	WEST WB BRIDGE	EAST WB BRIDGE	EAST WB BRIDGE	MCILVAINE	MCILVAINE
SAMPLE TIME	1129	1135	1145	1150	1155	1200	1215	1220
SAMPLE DEPTH	0.30m top	1.90m	0.30m top	1.30m	0.30m top	2.60m	0.30m top	1.90m
TOTAL DEPTH	2.20m	2.20m	1.60m	1.60m	2.90m	2.90m	2.20m	2.20m
TEMP /C	20.6	20.1	19.8	19.8	19.6	19.3	19.4	19.1
D.O. mg / L	3.69	4.31	5.20	5.10	5.45	5.50	5.21	5.42
D.O. % sat.	49.0	56.5	66.4	65.6	70.8	71.2	69.6	72.0
CONDUCTIVITY(umhos)	49,169	50,546	50,249	50,269	50,342	50,637	50,477	50,661
SALINITY ppt.	32.33	33.20	33.00	33.10	33.06	33.28	33.18	33.29
pH su.	8.12	8.24	8.18	8.13	8.23	8.26	8.24	8.31
SECCHI	1.50m	1.50m	1.60m	1.60m	2.50m	2.50m	2.20m	2.20m

FIELD COMMENTS:	OUTGOING TIDE NO FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW	OUTGOING TIDE LOW FLOW
WEATHER :	SUNNY 18 DEG C	SUNNY 18 DEG C	SUNNY 18 DEG C	SUNNY 18 DEG C
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

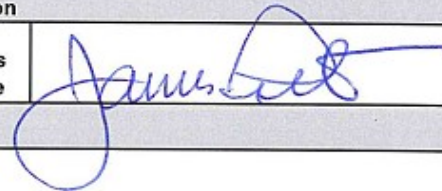
Authentication			
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			12/10/20

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters							
SAMPLE LOCATION	HOLLY HOCK	HOLLY HOCK	HUMMING BIRD	HUMMING BIRD	WINDMILL	WINDMILL	EQUIP BLANK
SAMPLE TIME	1245	1250	1232	1236	1257	1302	1309
SAMPLE DEPTH	0.30m top	1.40m	0.30m top	1.30m	0.30m top	1.70m	NA
TOTAL DEPTH	1.70m	1.70m	1.60m	1.60m	2.00m	2.00m	NA
TEMP /C	18.9	18.8	19.5	19.8	19.3	19.1	NA
D.O. mg / L	5.17	5.49	4.91	4.63	4.72	4.91	NA
D.O. % sat.	67.2	72.7	63.2	58.6	60.4	61.2	NA
CONDUCTIVITY(umhos)	50,310	50,333	48,279	48,719	49,274	49,478	NA
SALINITY ppt.	33.03	33.05	31.59	31.87	32.30	32.42	NA
pH su.	8.32	8.30	8.17	8.17	8.29	8.30	NA
SECCHI	1.70m	1.70m	1.60m	1.60m	2.00m	2.00	NA

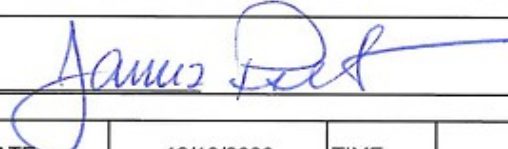
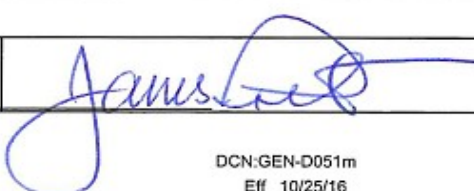
FIELD COMMENTS:	OUTGOING TIDE NO FLOW	OUTGOING TIDE NO FLOW	OUTGOING TIDE LOW FLOW	NA
WEATHER :	SUNNY 19 DEG C	SUNNY 19 DEG C	SUNNY 19 DEG C	SUNNY 19 DEG C
FIELD EQUIP. USED: ID # :	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X	VAN DORN F3X

Authentication			
SAMPLED BY: (PRINT) /	JAMES PEET AEL	Sampler's Signature	
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			Date 12/10/20

ADVANCED ENVIROMENTAL LABORATORIES INC

FIELD YSI MULTI-METER & HACH 2100Q

DAILY CCV FOR FIELD METERS

YSI - METER ID :	F4N	NA	
YSI - PROBE ID :	F4N-1		
PRE WORK DAY CHECK		DATE:	12/10/2020
		TIME:	0:00
PH 7 BUFFER VALUE :	<u>7.00</u>	+ / - .2 PH UNITS	READING: <u>7.09</u>
PH 7 BUFFER ID :	<u>FR1-23E1</u>	pH 7= -60mV to +60mV	mV READING:
COND. STAND. VALUE:	<u>1412</u>	+ / - 5% 1341 TO 1483	READING: <u>1394</u>
COND. STAND. ID:	<u>3F2006-05</u>		
pH 4 should be at least 165 mV more positive than pH 7 , pH 10 should be at least 165 mV more negative than pH 7			
DO TEMP.FROM METER :			READING: <u>68 DEG F</u>
DO MG/L CHART:			READING: <u>8.72</u>
DO MG/L FROM METER :			READING: <u>8.95</u>
DO % READING FROM METER:			READING: <u>100.6</u>
TURBIDITY STD: ID :	<u>10NTU</u>	RANGE (9 - 11)	READING: <u>NA</u>
C.C.V. CHECK DONE BEFORE FIELD USE BY :			
POST WORK DAY CHECK		DATE:	12/10/2020
		TIME:	0:00
PH 7 BUFFER VALUE :	<u>7.00</u>	+ / - .2 PH UNITS	READING: <u>7.011</u>
PH 7 BUFFER ID :	<u>FR1-23E1</u>	pH 7= -60mV to +60mV	mV READING:
COND. STAND. VALUE:	<u>1412</u>	+ / - 5% 1341 TO 1483	READING: <u>1404</u>
COND. STAND. ID:	<u>3F2006-05</u>		
pH 4 should be at least 165 mV more positive than pH 7 , pH 10 should be at least 165 mV more negative than pH 7			
DO TEMP.FROM METER :			READING: <u>70.0 DEG F</u>
DO MG/L CHART:			READING: <u>8.87</u>
DO MG/L FROM METER :			READING: <u>8.69</u>
DO % READING FROM METER:			READING: <u>97.2</u>
TURBIDITY STD: ID :	<u>10NTU</u>	RANGE (9 - 11)	READING: <u>NA</u>
C.C.V. CHECK DONE AFTER FIELD USE BY :			
DCN:GEN-D051m Eff 10/25/16			