

August 12, 2021

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

RE: Workorder: F2102934 MARCO

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, July 19, 2021. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,



Josh Snead - Laboratory Manager
JSnead@aellab.com

Enclosures

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SAMPLE SUMMARY

Workorder: F2102934 MARCO

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|----------------------|--------|-----------------|-----------------|
| F2102934001 | BARFIELD_BRIDGE | Water | 7/19/2021 07:15 | 7/19/2021 12:00 |
| F2102934002 | OLDE_MARCO | Water | 7/19/2021 07:45 | 7/19/2021 12:00 |
| F2102934003 | JH_PARK | Water | 7/19/2021 07:55 | 7/19/2021 12:00 |
| F2102934004 | KENDALL | Water | 7/19/2021 08:08 | 7/19/2021 12:00 |
| F2102934005 | COLLIER_BRIDGE | Water | 7/19/2021 08:15 | 7/19/2021 12:00 |
| F2102934006 | HC_CENTER | Water | 7/19/2021 08:40 | 7/19/2021 12:00 |
| F2102934007 | LANDMARK | Water | 7/19/2021 08:20 | 7/19/2021 12:00 |
| F2102934008 | LANDMARK_DUP | Water | 7/19/2021 08:25 | 7/19/2021 12:00 |
| F2102934009 | SWALLOW | Water | 7/19/2021 08:50 | 7/19/2021 12:00 |
| F2102934010 | W_WINTERBERRY_BRIDGE | Water | 7/19/2021 09:15 | 7/19/2021 12:00 |
| F2102934011 | E_WINTERBERRY_BRIDGE | Water | 7/19/2021 09:24 | 7/19/2021 12:00 |
| F2102934012 | MCILVAINE | Water | 7/19/2021 09:40 | 7/19/2021 12:00 |
| F2102934013 | HUMMINGBIRD | Water | 7/19/2021 09:50 | 7/19/2021 12:00 |
| F2102934014 | HOLLYHOCK | Water | 7/19/2021 10:02 | 7/19/2021 12:00 |
| F2102934015 | WINDMILL | Water | 7/19/2021 10:15 | 7/19/2021 12:00 |
| F2102934016 | EQUIPMENT_BLANK | Water | 7/19/2021 10:25 | 7/19/2021 12:00 |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934001**
Sample ID: **BARFIELD_BRIDGE**

Date Received: 07/19/21 12:00 Matrix: Water
Date Collected: 07/19/21 07:15

Sample Description:

Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|---------|---------|--|----|--------------|--------------|-----------------|-----|
| FIELD PARAMETERS | | | | | | | | |
| Analysis Desc: FIELD - Sample Depth | | | Analytical Method: DISRES | | | | | |
| Sample Depth | 0.3 | | meters | 1 | | | 7/19/2021 07:33 | X^ |
| Secchi Disc | 3 | | meters | 1 | | | 7/19/2021 07:33 | X^ |
| Total Depth | 3 | | meters | 1 | | | 7/19/2021 07:33 | X^ |
| Analysis Desc: Data entry of field measurements | | | Analytical Method: Field Measurements | | | | | |
| Conductivity | 36391 | | umhos/cm | 1 | | | 7/19/2021 07:33 | F^ |
| DO Saturation % | 61.4 | | % | 1 | | | 7/19/2021 07:33 | F^ |
| Dissolved Oxygen | 4.1 | | mg/L | 1 | | | 7/19/2021 07:33 | F^ |
| Salinity | 23.23 | | ppt | 1 | | | 7/19/2021 07:33 | F^ |
| Temperature | 29.8 | | °C | 1 | | | 7/19/2021 07:33 | F^ |
| pH | 7.85 | | SU | 1 | | | 7/19/2021 07:33 | F^ |
| Microbiology | | | | | | | | |
| Analysis Desc: Enterococcus w/MICRO- QT Prep,Water | | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | |
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |
| WET CHEMISTRY | | | | | | | | |
| Analysis Desc: Total Nitrogen,Calculated,Water | | | Analytical Method: Calculation | | | | | |
| Total Nitrogen | 0.488 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
| Analysis Desc: Turbidity,E180.1,Water | | | Analytical Method: EPA 180.1 | | | | | |
| Turbidity | 4.6 | | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
| Analysis Desc: TKN,E351.2,Water | | | Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2 | | | | | |
| Total Kjeldahl Nitrogen | 0.476 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |
| Analysis Desc: Total Phosphorus,E365.3,Analysis | | | Preparation Method: EPA 365.3 Analytical Method: EPA 365.3 | | | | | |
| Total Phosphorus (as P) | 0.005 | I | mg/L | 1 | 0.01 | 0.005 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H,Water | | | Analytical Method: SM 10200 H | | | | | |
| Corrected Chlorophyll A | 2.5 | U,J,[1] | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |

Report ID: 1070777 - 1295910

Page 3 of 40

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934001** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **BARFIELD_BRIDGE** Date Collected: 07/19/21 07:15

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 | 7/26/2021 15:00 | G |
| Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0090 | I | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 11:59 | T |
| Nitrate + Nitrite | 0.012 | I | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 11:59 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 11:59 | T |

Lab ID: **F2102934002** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **OLDE_MARCO** Date Collected: 07/19/21 07:45

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 | | | 7/19/2021 07:45 | X^ |
| Secchi Disc | 3 | | meters | 1 | | | 7/19/2021 07:45 | X^ |
| Total Depth | 3 | | meters | 1 | | | 7/19/2021 07:45 | X^ |
| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
| Conductivity | 37923 | | umhos/cm | 1 | | | 7/19/2021 07:45 | F^ |
| DO Saturation % | 55.9 | | % | 1 | | | 7/19/2021 07:45 | F^ |
| Dissolved Oxygen | 3.74 | | mg/L | 1 | | | 7/19/2021 07:45 | F^ |
| Salinity | 23.95 | | ppt | 1 | | | 7/19/2021 07:45 | F^ |
| Temperature | 29.4 | | °C | 1 | | | 7/19/2021 07:45 | F^ |
| pH | 7.96 | | SU | 1 | | | 7/19/2021 07:45 | F^ |

Microbiology

| | | | | | | | | |
|--|-----------|--|-------------------|-----------|----|----|-----------------|---|
| Analysis Desc: Enterococcus w/MICRO- QT Prep, Water | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | | |
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |

WET CHEMISTRY

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

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934002**
 Sample ID: **OLDE_MARCO**

Date Received: 07/19/21 12:00 Matrix: Water
 Date Collected: 07/19/21 07:45

Sample Description:

Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|---------------|--|--------------|----------|--------------|--------------|-----------------|-----|
| Total Nitrogen | 0.382 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
| Analysis Desc: Turbidity,E180.1,Water | | Analytical Method: EPA 180.1 | | | | | | |
| Turbidity | 2.3 | | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
| Analysis Desc: TKN,E351.2,Water | | Preparation Method: Copper Sulfate Digestion | | | | | | |
| | | Analytical Method: EPA 351.2 | | | | | | |
| Total Kjeldahl Nitrogen | 0.382 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |
| Analysis Desc: Total Phosphorus,E365.3,Analysis | | Preparation Method: EPA 365.3 | | | | | | |
| | | Analytical Method: EPA 365.3 | | | | | | |
| Total Phosphorus (as P) | 0.007 | I | mg/L | 1 | 0.01 | 0.005 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H,Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:01 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:01 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:01 | T |

Lab ID: **F2102934003**
 Sample ID: **JH_PARK**

Date Received: 07/19/21 12:00 Matrix: Water
 Date Collected: 07/19/21 07:55

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 | | | 7/19/2021 07:57 | X^ |
| Secchi Disc | 3 | | meters | 1 | | | 7/19/2021 07:57 | X^ |
| Total Depth | 5 | | meters | 1 | | | 7/19/2021 07:57 | X^ |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934003** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **JH_PARK** Date Collected: 07/19/21 07:55

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|--------------|---------------------------------------|-----------------|----------|--------------|--------------|-----------------|-----|
| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
| Conductivity | 35098 | | umhos/cm | 1 | | | 7/19/2021 07:57 | F^ |
| DO Saturation % | 74.3 | | % | 1 | | | 7/19/2021 07:57 | F^ |
| Dissolved Oxygen | 4.97 | | mg/L | 1 | | | 7/19/2021 07:57 | F^ |
| Salinity | 21.97 | | ppt | 1 | | | 7/19/2021 07:57 | F^ |
| Temperature | 30.1 | | °C | 1 | | | 7/19/2021 07:57 | F^ |
| pH | 7.96 | | SU | 1 | | | 7/19/2021 07:57 | F^ |

Microbiology

| | | | | | | | | |
|---|-----------|--|-------------------|-----------|-----------|-----------|-----------------|---|
| Analysis Desc: Enterococcus w/MICRO- QT Prep,Water | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | | |
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |

WET CHEMISTRY

| | | | | | | | | |
|--|--------------|--------------------------------|-------------|----------|-------------|-------------|----------------|---|
| Analysis Desc: Total Nitrogen, Calculated, Water | | Analytical Method: Calculation | | | | | | |
| Total Nitrogen | 0.430 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |

| | | | | | | | | |
|---|------------|------------------------------|------------|----------|-------------|-------------|-----------------|---|
| Analysis Desc: Turbidity, E180.1, Water | | Analytical Method: EPA 180.1 | | | | | | |
| Turbidity | 1.4 | | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |

| | | | | | | | | |
|-----------------------------------|--------------|--|-------------|----------|-------------|-------------|-----------------|---|
| Analysis Desc: TKN, E351.2, Water | | Preparation Method: Copper Sulfate Digestion | | | | | | |
| | | Analytical Method: EPA 351.2 | | | | | | |
| Total Kjeldahl Nitrogen | 0.430 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | 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 | 7/22/2021 16:00 | G |

| | | | | | | | | |
|--|------------|-------------------------------|--------------|----------|------------|------------|-----------------|---|
| Analysis Desc: Chlorophylls, SM10200H, Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 4.8 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |

| | | | | | | | | |
|--|---------------|---|-------------|----------|--------------|---------------|-----------------|---|
| Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:02 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:02 | T |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934003** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **JH_PARK** Date Collected: 07/19/21 07:55

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 | 7/20/2021 12:02 | T |

Lab ID: **F2102934004** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **KENDALL** Date Collected: 07/19/21 08:08

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 | | | 7/19/2021 08:08 | X^ |
| Secchi Disc | 3.5 | | meters | 1 | | | 7/19/2021 08:08 | X^ |
| Total Depth | 4.5 | | meters | 1 | | | 7/19/2021 08:08 | X^ |

| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
|---|--------------|---------------------------------------|-----------------|----------|--|--|-----------------|----|
| Conductivity | 33182 | | umhos/cm | 1 | | | 7/19/2021 08:08 | F^ |
| DO Saturation % | 59.4 | | % | 1 | | | 7/19/2021 08:08 | F^ |
| Dissolved Oxygen | 3.95 | | mg/L | 1 | | | 7/19/2021 08:08 | F^ |
| Salinity | 20.62 | | ppt | 1 | | | 7/19/2021 08:08 | F^ |
| Temperature | 30.9 | | °C | 1 | | | 7/19/2021 08:08 | F^ |
| pH | 7.83 | | SU | 1 | | | 7/19/2021 08:08 | F^ |

Microbiology

| Analysis Desc: Enterococcus w/MICRO-QT Prep, Water | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | | |
|--|-----------|--|-------------------|-----------|--|--|-----------------|---|
| Enterococcus | 10 | | MPN/100 mL | 10 | | | 7/19/2021 15:09 | F |

WET CHEMISTRY

| Analysis Desc: Total Nitrogen, Calculated, Water | | Analytical Method: Calculation | | | | | | |
|--|--------------|--------------------------------|-------------|----------|--|--|----------------|---|
| Total Nitrogen | 0.341 | | mg/L | 1 | | | 8/4/2021 20:59 | T |

| Analysis Desc: Turbidity, E180.1, Water | | Analytical Method: EPA 180.1 | | | | | | |
|---|-------------|------------------------------|------------|----------|--|--|-----------------|---|
| Turbidity | 0.10 | U | NTU | 1 | | | 7/20/2021 10:30 | F |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934004**

Date Received: 07/19/21 12:00 Matrix: Water

Sample ID: **KENDALL**

Date Collected: 07/19/21 08:08

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 | 0.341 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |
| Analysis Desc: Total Phosphorus,E365.3,Analysis | | Preparation Method: EPA 365.3 | | | | | | |
| | | Analytical Method: EPA 365.3 | | | | | | |
| Total Phosphorus (as P) | 0.016 | | mg/L | 1 | 0.01 | 0.005 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H,Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.9 | I | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:03 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:03 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:03 | T |

Lab ID: **F2102934005**

Date Received: 07/19/21 12:00 Matrix: Water

Sample ID: **COLLIER_BRIDGE**

Date Collected: 07/19/21 08:15

Sample Description:

Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|--------------|---------------------------------------|-----------------|----------|--------------|--------------|-----------------|-----|
| FIELD PARAMETERS | | | | | | | | |
| Analysis Desc: FIELD - Sample Depth | | Analytical Method: DISRES | | | | | | |
| Sample Depth | 0.3 | | meters | 1 | | | 7/19/2021 08:18 | X^ |
| Secchi Disc | 4 | | meters | 1 | | | 7/19/2021 08:18 | X^ |
| Total Depth | 4 | | meters | 1 | | | 7/19/2021 08:18 | X^ |
| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
| Conductivity | 33356 | | umhos/cm | 1 | | | 7/19/2021 08:18 | F^ |
| DO Saturation % | 67 | | % | 1 | | | 7/19/2021 08:18 | F^ |
| Dissolved Oxygen | 4.47 | | mg/L | 1 | | | 7/19/2021 08:18 | F^ |
| Salinity | 20.75 | | ppt | 1 | | | 7/19/2021 08:18 | F^ |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934005**
 Sample ID: **COLLIER_BRIDGE**

Date Received: 07/19/21 12:00 Matrix: Water
 Date Collected: 07/19/21 08:15

Sample Description:

Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|-------------|---------|------|-------|----|--------------|--------------|-----------------|-----|
| Temperature | 30.7 | | °C | 1 | | | 7/19/2021 08:18 | F^ |
| pH | 7.91 | | SU | 1 | | | 7/19/2021 08:18 | F^ |

Microbiology

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

| | | | | | | | | |
|--------------|----|---|------------|----|----|----|-----------------|---|
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | 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 | 7/22/2021 16:00 | G |
|-------------------------|-------|---|------|---|------|-------|-----------------|---|

WET CHEMISTRY

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

| | | | | | | | | |
|----------------|-------|--|------|---|------|------|----------------|---|
| Total Nitrogen | 0.233 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
|----------------|-------|--|------|---|------|------|----------------|---|

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

| | | | | | | | | |
|-----------|------|--|-----|---|------|------|-----------------|---|
| Turbidity | 0.37 | | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
|-----------|------|--|-----|---|------|------|-----------------|---|

Analysis Desc: TKN,E351.2,Water
 Preparation Method: Copper Sulfate Digestion
 Analytical Method: EPA 351.2

| | | | | | | | | |
|-------------------------|-------|---|------|---|------|------|-----------------|---|
| Total Kjeldahl Nitrogen | 0.233 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |
|-------------------------|-------|---|------|---|------|------|-----------------|---|

Analysis Desc: Chlorophylls,
 SM10200H,Water Analytical Method: SM 10200 H

| | | | | | | | | |
|-------------------------|-----|---|-------|---|-----|-----|-----------------|---|
| Corrected Chlorophyll A | 4.8 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |

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

| | | | | | | | | |
|-------------------|--------|---|------|---|-------|--------|-----------------|---|
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:04 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:04 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:04 | T |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934006** Date Received: 07/19/21 12:00 Matrix: Water
Sample ID: **HC_CENTER** Date Collected: 07/19/21 08:40

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|---------|--|------------|----|--------------|--------------|-----------------|-----|
| FIELD PARAMETERS | | | | | | | | |
| Analysis Desc: FIELD - Sample Depth | | Analytical Method: DISRES | | | | | | |
| Sample Depth | 0.3 | | meters | 1 | | | 7/19/2021 08:40 | X^ |
| Secchi Disc | 3.5 | | meters | 1 | | | 7/19/2021 08:43 | X^ |
| Total Depth | 3.5 | | meters | 1 | | | 7/19/2021 08:43 | X^ |
| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
| Conductivity | 33715 | | umhos/cm | 1 | | | 7/19/2021 08:43 | F^ |
| DO Saturation % | 63.6 | | % | 1 | | | 7/19/2021 08:43 | F^ |
| Dissolved Oxygen | 4.21 | | mg/L | 1 | | | 7/19/2021 08:43 | F^ |
| Salinity | 20.99 | | ppt | 1 | | | 7/19/2021 08:43 | F^ |
| Temperature | 31 | | °C | 1 | | | 7/19/2021 08:43 | F^ |
| pH | 8 | | SU | 1 | | | 7/19/2021 08:43 | F^ |
| Microbiology | | | | | | | | |
| Analysis Desc: Enterococcus w/MICRO- QT Prep, Water | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | | |
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |
| WET CHEMISTRY | | | | | | | | |
| Analysis Desc: Total Nitrogen, Calculated, Water | | Analytical Method: Calculation | | | | | | |
| Total Nitrogen | 0.415 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
| Analysis Desc: Turbidity, E180.1, Water | | Analytical Method: EPA 180.1 | | | | | | |
| Turbidity | 0.10 | U | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
| Analysis Desc: TKN, E351.2, Water | | Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2 | | | | | | |
| Total Kjeldahl Nitrogen | 0.415 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | 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 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H, Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 5.6 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |

Report ID: 1070777 - 1295910

Page 10 of 40

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934006**
 Sample ID: **HC_CENTER**

Date Received: 07/19/21 12:00 Matrix: Water
 Date Collected: 07/19/21 08:40

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 | 7/26/2021 15:00 | G |
| Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:04 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:04 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:04 | T |

Lab ID: **F2102934007**
 Sample ID: **LANDMARK**

Date Received: 07/19/21 12:00 Matrix: Water
 Date Collected: 07/19/21 08:20

Sample Description:

Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|---------|---------------------------------------|----------|----|--------------|--------------|-----------------|-----|
| Analysis Desc: FIELD - Sample Depth | | Analytical Method: DISRES | | | | | | |
| Sample Depth | 0.3 | | meters | 1 | | | 7/19/2021 08:27 | X^ |
| Secchi Disc | 3.5 | | meters | 1 | | | 7/19/2021 08:27 | X^ |
| Total Depth | 5.5 | | meters | 1 | | | 7/19/2021 08:27 | X^ |
| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
| Conductivity | 34680 | | umhos/cm | 1 | | | 7/19/2021 08:27 | F^ |
| DO Saturation % | 67.7 | | % | 1 | | | 7/19/2021 08:27 | F^ |
| Dissolved Oxygen | 4.47 | | mg/L | 1 | | | 7/19/2021 08:27 | F^ |
| Salinity | 21.65 | | ppt | 1 | | | 7/19/2021 08:27 | F^ |
| Temperature | 31 | | °C | 1 | | | 7/19/2021 08:27 | F^ |
| pH | 8.04 | | SU | 1 | | | 7/19/2021 08:27 | 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 | 7/19/2021 15:09 | F |

| | | | | | | | | |
|-----------------------------------|--|--|--|--|--|--|--|--|
| Analysis Desc: TKN, E351.2, Water | | Preparation Method: Copper Sulfate Digestion | | | | | | |
| | | Analytical Method: EPA 351.2 | | | | | | |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934007** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **LANDMARK** Date Collected: 07/19/21 08:20

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|-------------------------|--------------|-------------|-------------|----------|--------------|--------------|-----------------|-----|
| Total Kjeldahl Nitrogen | 0.315 | I,J4 | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |

WET CHEMISTRY

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

| | | | | | | | | |
|----------------|--------------|--|-------------|----------|------|------|----------------|---|
| Total Nitrogen | 0.315 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
|----------------|--------------|--|-------------|----------|------|------|----------------|---|

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

| | | | | | | | | |
|-----------|-------------|----------|------------|----------|------|------|-----------------|---|
| Turbidity | 0.10 | U | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
|-----------|-------------|----------|------------|----------|------|------|-----------------|---|

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

| | | | | | | | | |
|-------------------------|--------------|----------|-------------|----------|------|-------|-----------------|---|
| Total Phosphorus (as P) | 0.007 | I | mg/L | 1 | 0.01 | 0.005 | 7/22/2021 16:00 | G |
|-------------------------|--------------|----------|-------------|----------|------|-------|-----------------|---|

Analysis Desc: Chlorophylls, SM10200H, Water Analytical Method: SM 10200 H

| | | | | | | | | |
|-------------------------|------------|----------|--------------|----------|-----|-----|-----------------|---|
| Corrected Chlorophyll A | 3.2 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | 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 | 7/20/2021 12:05 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:05 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:05 | T |

Lab ID: **F2102934008** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **LANDMARK_DUP** Date Collected: 07/19/21 08:25

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 | | | 7/19/2021 08:29 | X^ |
| Secchi Disc | 3.5 | | meters | 1 | | | 7/19/2021 08:29 | X^ |
| Total Depth | 5.5 | | meters | 1 | | | 7/19/2021 08:29 | X^ |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934008**
Sample ID: **LANDMARK_DUP**

Date Received: 07/19/21 12:00 Matrix: Water
Date Collected: 07/19/21 08:25

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 | 34462 | | umhos/cm | 1 | | | 7/19/2021 08:29 | F^ |
| DO Saturation % | 64.5 | | % | 1 | | | 7/19/2021 08:29 | F^ |
| Dissolved Oxygen | 4.17 | | mg/L | 1 | | | 7/19/2021 08:29 | F^ |
| Salinity | 21.5 | | ppt | 1 | | | 7/19/2021 08:29 | F^ |
| Temperature | 31 | | °C | 1 | | | 7/19/2021 08:29 | F^ |
| pH | 8.04 | | SU | 1 | | | 7/19/2021 08:29 | F^ |

Microbiology

| | | | | | | | | |
|---|-----------|--|-------------------|-----------|-----------|-----------|-----------------|---|
| Analysis Desc: Enterococcus w/MICRO- QT Prep,Water | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | | |
| Enterococcus | 10 | | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |

WET CHEMISTRY

| | | | | | | | | |
|--|--------------|--------------------------------|-------------|----------|-------------|-------------|----------------|---|
| Analysis Desc: Total Nitrogen, Calculated, Water | | Analytical Method: Calculation | | | | | | |
| Total Nitrogen | 0.316 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |

| | | | | | | | | |
|---|-------------|------------------------------|------------|----------|-------------|-------------|-----------------|---|
| Analysis Desc: Turbidity, E180.1, Water | | Analytical Method: EPA 180.1 | | | | | | |
| Turbidity | 0.10 | U | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |

| | | | | | | | | |
|-----------------------------------|--------------|--|-------------|----------|-------------|-------------|-----------------|---|
| Analysis Desc: TKN, E351.2, Water | | Preparation Method: Copper Sulfate Digestion | | | | | | |
| | | Analytical Method: EPA 351.2 | | | | | | |
| Total Kjeldahl Nitrogen | 0.316 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | 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 | 7/22/2021 16:00 | G |

| | | | | | | | | |
|--|------------|-------------------------------|--------------|----------|------------|------------|-----------------|---|
| Analysis Desc: Chlorophylls, SM10200H, Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 4.0 | | mg/m3 | 1 | 3.0 | 2.5 | 8/11/2021 13:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 8/11/2021 13:00 | G |

| | | | | | | | | |
|--|---------------|---|-------------|----------|--------------|---------------|-----------------|---|
| Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:06 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:06 | T |

Report ID: 1070777 - 1295910

Page 13 of 40

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934008** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **LANDMARK_DUP** Date Collected: 07/19/21 08:25

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 | 7/20/2021 12:06 | T |

Lab ID: **F2102934009** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 07/19/21 08:50

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 | | | 7/19/2021 08:57 | X^ |
| Secchi Disc | 2 | | meters | 1 | | | 7/19/2021 08:57 | X^ |
| Total Depth | 3.5 | | meters | 1 | | | 7/19/2021 08:57 | X^ |

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

| | | | | | | | | |
|------------------|--------------|--|-----------------|----------|--|--|-----------------|----|
| Conductivity | 34077 | | umhos/cm | 1 | | | 7/19/2021 08:57 | F^ |
| DO Saturation % | 27.8 | | % | 1 | | | 7/19/2021 08:57 | F^ |
| Dissolved Oxygen | 1.84 | | mg/L | 1 | | | 7/19/2021 08:57 | F^ |
| Salinity | 21.23 | | ppt | 1 | | | 7/19/2021 08:57 | F^ |
| Temperature | 31.1 | | °C | 1 | | | 7/19/2021 08:57 | F^ |
| pH | 7.77 | | SU | 1 | | | 7/19/2021 08:57 | F^ |

Microbiology

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

| | | | | | | | | |
|--------------|-----------|----------|-------------------|-----------|----|----|-----------------|---|
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |
|--------------|-----------|----------|-------------------|-----------|----|----|-----------------|---|

WET CHEMISTRY

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

| | | | | | | | | |
|----------------|--------------|--|-------------|----------|------|------|----------------|---|
| Total Nitrogen | 0.478 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
|----------------|--------------|--|-------------|----------|------|------|----------------|---|

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

| | | | | | | | | |
|-----------|-------------|--|------------|----------|------|------|-----------------|---|
| Turbidity | 0.29 | | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
|-----------|-------------|--|------------|----------|------|------|-----------------|---|

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934009** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 07/19/21 08:50

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|---------------|--|--------------|----------|--------------|--------------|-----------------|-----|
| Analysis Desc: TKN,E351.2,Water | | Preparation Method: Copper Sulfate Digestion | | | | | | |
| | | Analytical Method: EPA 351.2 | | | | | | |
| Total Kjeldahl Nitrogen | 0.450 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |
| Analysis Desc: Total Phosphorus,E365.3,Analysis | | Preparation Method: EPA 365.3 | | | | | | |
| | | Analytical Method: EPA 365.3 | | | | | | |
| Total Phosphorus (as P) | 0.025 | | mg/L | 1 | 0.01 | 0.005 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H,Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 4.0 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.026 | | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:07 | T |
| Nitrate + Nitrite | 0.028 | | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:07 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:07 | T |

Lab ID: **F2102934010** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 07/19/21 09:15

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|--------------|---------------------------------------|-----------------|----------|--------------|--------------|-----------------|-----|
| FIELD PARAMETERS | | | | | | | | |
| Analysis Desc: FIELD - Sample Depth | | Analytical Method: DISRES | | | | | | |
| Sample Depth | 0.3 | | meters | 1 | | | 7/19/2021 09:15 | X^ |
| Secchi Disc | 3.5 | | meters | 1 | | | 7/19/2021 09:15 | X^ |
| Total Depth | 4.5 | | meters | 1 | | | 7/19/2021 09:15 | X^ |
| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
| Conductivity | 35662 | | umhos/cm | 1 | | | 7/19/2021 09:15 | F^ |
| DO Saturation % | 72.6 | | % | 1 | | | 7/19/2021 09:15 | F^ |
| Dissolved Oxygen | 4.81 | | mg/L | 1 | | | 7/19/2021 09:15 | F^ |
| Salinity | 22.34 | | ppt | 1 | | | 7/19/2021 09:15 | F^ |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934010** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 07/19/21 09:15

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|-------------|-------------|------|-------|----|--------------|--------------|-----------------|-----|
| Temperature | 30.5 | | °C | 1 | | | 7/19/2021 09:15 | F^ |
| pH | 7.99 | | SU | 1 | | | 7/19/2021 09:15 | F^ |

Microbiology

| Analysis Desc: Enterococcus w/MICRO- QT Prep,Water | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | | |
|---|-----------|--|-----------------------|-----------|----|----|-----------------|---|
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |

WET CHEMISTRY

| Analysis Desc: Total Nitrogen, Calculated, Water | | Analytical Method: Calculation | | | | | | |
|--|--------------|--------------------------------|-------------|----------|------|------|----------------|---|
| Total Nitrogen | 0.373 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |

| Analysis Desc: Turbidity, E180.1, Water | | Analytical Method: EPA 180.1 | | | | | | |
|---|-------------|------------------------------|------------|----------|------|------|-----------------|---|
| Turbidity | 0.10 | U | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |

| Analysis Desc: TKN, E351.2, Water | | Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2 | | | | | | |
|-----------------------------------|--------------|--|-------------|----------|------|------|-----------------|---|
| Total Kjeldahl Nitrogen | 0.373 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |

| Analysis Desc: Total Phosphorus, E365.3, Analysis | | Preparation Method: EPA 365.3 Analytical Method: EPA 365.3 | | | | | | |
|---|--------------|---|-------------|----------|------|-------|-----------------|---|
| Total Phosphorus (as P) | 0.021 | | mg/L | 1 | 0.01 | 0.005 | 7/22/2021 16:00 | G |

| Analysis Desc: Chlorophylls, SM10200H, Water | | Analytical Method: SM 10200 H | | | | | | |
|--|------------|-------------------------------|--------------|----------|-----|-----|-----------------|---|
| Corrected Chlorophyll A | 4.0 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Phaeophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |

| Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
|--|---------------|---|-------------|----------|-------|--------|-----------------|---|
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:07 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:07 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:07 | T |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934011** Date Received: 07/19/21 12:00 Matrix: Water
Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 07/19/21 09:24

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 | | | 7/19/2021 09:26 | X^ |
| Secchi Disc | 4.5 | | meters | 1 | | | 7/19/2021 09:26 | X^ |
| Total Depth | 5.5 | | meters | 1 | | | 7/19/2021 09:26 | X^ |
| Analysis Desc: Data entry of field measurements | | | Analytical Method: Field Measurements | | | | | |
| Conductivity | 36653 | | umhos/cm | 1 | | | 7/19/2021 09:26 | F^ |
| DO Saturation % | 78.5 | | % | 1 | | | 7/19/2021 09:26 | F^ |
| Dissolved Oxygen | 5.15 | | mg/L | 1 | | | 7/19/2021 09:26 | F^ |
| Salinity | 23.02 | | ppt | 1 | | | 7/19/2021 09:26 | F^ |
| Temperature | 30.9 | | °C | 1 | | | 7/19/2021 09:26 | F^ |
| pH | 8.03 | | SU | 1 | | | 7/19/2021 09:26 | F^ |
| WET CHEMISTRY | | | | | | | | |
| Analysis Desc: Enterococcus w/MICRO- QT Prep, Water | | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | |
| Enterococcus | 10 | | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | 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 | 7/20/2021 12:14 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:14 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:14 | T |
| WET CHEMISTRY | | | | | | | | |
| Analysis Desc: Total Nitrogen, Calculated, Water | | | Analytical Method: Calculation | | | | | |
| Total Nitrogen | 0.446 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
| Analysis Desc: Turbidity, E180.1, Water | | | Analytical Method: EPA 180.1 | | | | | |
| Turbidity | 0.10 | U | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
| Analysis Desc: TKN, E351.2, Water | | | Preparation Method: Copper Sulfate Digestion | | | | | |
| | | | Analytical Method: EPA 351.2 | | | | | |
| Total Kjeldahl Nitrogen | 0.446 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934011** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 07/19/21 09:24

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|--------------|-------------------------------|--------------|----------|--------------|--------------|-----------------|-----|
| Analysis Desc: Total Phosphorus,E365.3,Analysis | | Preparation Method: EPA 365.3 | | | | | | |
| | | Analytical Method: EPA 365.3 | | | | | | |
| Total Phosphorus (as P) | 0.005 | U | mg/L | 1 | 0.01 | 0.005 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H,Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 5.6 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |

Lab ID: **F2102934012** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **MCILVAINE** Date Collected: 07/19/21 09:40

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|--------------|---------------------------------------|-----------------|----------|--------------|--------------|-----------------|-----|
| FIELD PARAMETERS | | | | | | | | |
| Analysis Desc: FIELD - Sample Depth | | Analytical Method: DISRES | | | | | | |
| Sample Depth | 0.3 | | meters | 1 | | | 7/19/2021 09:40 | X^ |
| Secchi Disc | 3.25 | | meters | 1 | | | 7/19/2021 09:40 | X^ |
| Total Depth | 3.25 | | meters | 1 | | | 7/19/2021 09:40 | X^ |
| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
| Conductivity | 37934 | | umhos/cm | 1 | | | 7/19/2021 09:40 | F^ |
| DO Saturation % | 76 | | % | 1 | | | 7/19/2021 09:40 | F^ |
| Dissolved Oxygen | 5.01 | | mg/L | 1 | | | 7/19/2021 09:40 | F^ |
| Salinity | 23.93 | | ppt | 1 | | | 7/19/2021 09:40 | F^ |
| Temperature | 30.4 | | °C | 1 | | | 7/19/2021 09:40 | F^ |
| pH | 8.03 | | SU | 1 | | | 7/19/2021 09:40 | F^ |

Microbiology

| | | | | | | | | |
|---|-----------|--|-------------------|-----------|----|----|-----------------|---|
| Analysis Desc: Enterococcus w/MICRO-QT Prep,Water | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | | |
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |

WET CHEMISTRY

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934012** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **MCILVAINE** Date Collected: 07/19/21 09:40

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|--|---------------|--|--------------|----------|--------------|--------------|-----------------|-----|
| Analysis Desc: Total Nitrogen, Calculated, Water | | Analytical Method: Calculation | | | | | | |
| Total Nitrogen | 0.446 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
| Analysis Desc: Turbidity, E180.1, Water | | Analytical Method: EPA 180.1 | | | | | | |
| Turbidity | 0.94 | | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
| Analysis Desc: TKN, E351.2, Water | | Preparation Method: Copper Sulfate Digestion | | | | | | |
| | | Analytical Method: EPA 351.2 | | | | | | |
| Total Kjeldahl Nitrogen | 0.446 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | 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 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H, Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 5.6 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:16 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:16 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:16 | T |

Lab ID: **F2102934013** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 07/19/21 09:50

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 | | | 7/19/2021 09:53 | X^ |
| Secchi Disc | 2.5 | | meters | 1 | | | 7/19/2021 09:53 | X^ |
| Total Depth | 2.5 | | meters | 1 | | | 7/19/2021 09:53 | X^ |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934013** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 07/19/21 09:50

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 | 33809 | | umhos/cm | 1 | | | 7/19/2021 09:53 | F^ |
| DO Saturation % | 79.4 | | % | 1 | | | 7/19/2021 09:53 | F^ |
| Dissolved Oxygen | 5.28 | | mg/L | 1 | | | 7/19/2021 09:53 | F^ |
| Salinity | 21.06 | | ppt | 1 | | | 7/19/2021 09:53 | F^ |
| Temperature | 30.7 | | °C | 1 | | | 7/19/2021 09:53 | F^ |
| pH | 7.99 | | SU | 1 | | | 7/19/2021 09:53 | F^ |

Microbiology

| | | | | | | | | |
|---|-----------|--|-------------------|-----------|-----------|-----------|-----------------|---|
| Analysis Desc: Enterococcus w/MICRO-QT Prep,Water | | Analytical Method: ENTEROLERT/ QUANTI-TRAY | | | | | | |
| Enterococcus | 10 | | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |

WET CHEMISTRY

| | | | | | | | | |
|--|--------------|--------------------------------|-------------|----------|-------------|-------------|----------------|---|
| Analysis Desc: Total Nitrogen,Calculated,Water | | Analytical Method: Calculation | | | | | | |
| Total Nitrogen | 0.354 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |

| | | | | | | | | |
|---------------------------------------|-------------|------------------------------|------------|----------|-------------|-------------|-----------------|---|
| Analysis Desc: Turbidity,E180.1,Water | | Analytical Method: EPA 180.1 | | | | | | |
| Turbidity | 0.46 | | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |

| | | | | | | | | |
|---------------------------------|--------------|--|-------------|----------|-------------|-------------|-----------------|---|
| Analysis Desc: TKN,E351.2,Water | | Preparation Method: Copper Sulfate Digestion | | | | | | |
| | | Analytical Method: EPA 351.2 | | | | | | |
| Total Kjeldahl Nitrogen | 0.354 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | G |

| | | | | | | | | |
|---|--------------|-------------------------------|-------------|----------|-------------|--------------|-----------------|---|
| Analysis Desc: Total Phosphorus,E365.3,Analysis | | Preparation Method: EPA 365.3 | | | | | | |
| | | Analytical Method: EPA 365.3 | | | | | | |
| Total Phosphorus (as P) | 0.007 | I | mg/L | 1 | 0.01 | 0.005 | 7/22/2021 16:00 | G |

| | | | | | | | | |
|---|------------|-------------------------------|--------------|----------|------------|------------|-----------------|---|
| Analysis Desc: Chlorophylls, SM10200H,Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 8.0 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |

| | | | | | | | | |
|---|---------------|---|-------------|----------|--------------|---------------|-----------------|---|
| Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:17 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:17 | T |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934013** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 07/19/21 09:50

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 | 7/20/2021 12:17 | T |

Lab ID: **F2102934014** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **HOLLYHOCK** Date Collected: 07/19/21 10:02

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 | | | 7/19/2021 10:04 | X^ |
| Secchi Disc | 2.5 | | meters | 1 | | | 7/19/2021 10:04 | X^ |
| Total Depth | 2.5 | | meters | 1 | | | 7/19/2021 10:04 | X^ |

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

| | | | | | | | | |
|------------------|--------------|--|-----------------|----------|--|--|-----------------|----|
| Conductivity | 35296 | | umhos/cm | 1 | | | 7/19/2021 10:04 | F^ |
| DO Saturation % | 72.3 | | % | 1 | | | 7/19/2021 10:04 | F^ |
| Dissolved Oxygen | 4.82 | | mg/L | 1 | | | 7/19/2021 10:04 | F^ |
| Salinity | 22.1 | | ppt | 1 | | | 7/19/2021 10:04 | F^ |
| Temperature | 30.3 | | °C | 1 | | | 7/19/2021 10:04 | F^ |
| pH | 7.92 | | SU | 1 | | | 7/19/2021 10:04 | F^ |

Microbiology

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

| | | | | | | | | |
|--------------|-----------|----------|-------------------|-----------|----|----|-----------------|---|
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |
|--------------|-----------|----------|-------------------|-----------|----|----|-----------------|---|

WET CHEMISTRY

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

| | | | | | | | | |
|----------------|--------------|--|-------------|----------|------|------|----------------|---|
| Total Nitrogen | 0.499 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
|----------------|--------------|--|-------------|----------|------|------|----------------|---|

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

| | | | | | | | | |
|-----------|-------------|----------|------------|----------|------|------|-----------------|---|
| Turbidity | 0.10 | U | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
|-----------|-------------|----------|------------|----------|------|------|-----------------|---|

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934014** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **HOLLYHOCK** Date Collected: 07/19/21 10:02

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 | 0.499 | I | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | 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 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H,Water | | Analytical Method: SM 10200 H | | | | | | |
| Corrected Chlorophyll A | 6.4 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:18 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:18 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:18 | T |

Lab ID: **F2102934015** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **WINDMILL** Date Collected: 07/19/21 10:15

Sample Description: Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|---|--------------|---------------------------------------|-----------------|----------|--------------|--------------|-----------------|-----|
| FIELD PARAMETERS | | | | | | | | |
| Analysis Desc: FIELD - Sample Depth | | Analytical Method: DISRES | | | | | | |
| Sample Depth | 0.3 | | meters | 1 | | | 7/19/2021 10:19 | X^ |
| Secchi Disc | 4 | | meters | 1 | | | 7/19/2021 10:19 | X^ |
| Total Depth | 4 | | meters | 1 | | | 7/19/2021 10:19 | X^ |
| Analysis Desc: Data entry of field measurements | | Analytical Method: Field Measurements | | | | | | |
| Conductivity | 36346 | | umhos/cm | 1 | | | 7/19/2021 10:19 | F^ |
| DO Saturation % | 72.8 | | % | 1 | | | 7/19/2021 10:19 | F^ |
| Dissolved Oxygen | 4.87 | | mg/L | 1 | | | 7/19/2021 10:19 | F^ |
| Salinity | 21.44 | | ppt | 1 | | | 7/19/2021 10:19 | F^ |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934015**
 Sample ID: **WINDMILL**

Date Received: 07/19/21 12:00 Matrix: Water
 Date Collected: 07/19/21 10:15

Sample Description:

Location:

| Parameters | Results | Qual | Units | DF | Adjusted PQL | Adjusted MDL | Analyzed | Lab |
|-------------|-------------|------|-------|----|--------------|--------------|-----------------|-----|
| Temperature | 30.3 | | °C | 1 | | | 7/19/2021 10:19 | F^ |
| pH | 7.93 | | SU | 1 | | | 7/19/2021 10:19 | F^ |

Microbiology

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

| | | | | | | | | |
|--------------|-----------|----------|-------------------|-----------|----|----|-----------------|---|
| Enterococcus | 10 | U | MPN/100 mL | 10 | 10 | 10 | 7/19/2021 15:09 | F |
|--------------|-----------|----------|-------------------|-----------|----|----|-----------------|---|

WET CHEMISTRY

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

| | | | | | | | | |
|----------------|--------------|--|-------------|----------|------|------|----------------|---|
| Total Nitrogen | 0.539 | | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
|----------------|--------------|--|-------------|----------|------|------|----------------|---|

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

| | | | | | | | | |
|-----------|-------------|--|------------|----------|------|------|-----------------|---|
| Turbidity | 0.75 | | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | F |
|-----------|-------------|--|------------|----------|------|------|-----------------|---|

Analysis Desc: TKN, E351.2, Water Preparation Method: Copper Sulfate Digestion
 Analytical Method: EPA 351.2

| | | | | | | | | |
|-------------------------|--------------|--|-------------|----------|------|------|-----------------|---|
| Total Kjeldahl Nitrogen | 0.539 | | mg/L | 1 | 0.50 | 0.20 | 7/22/2021 10:32 | 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 | 7/22/2021 16:00 | G |
|-------------------------|--------------|----------|-------------|----------|------|-------|-----------------|---|

Analysis Desc: Chlorophylls, SM10200H, Water Analytical Method: SM 10200 H

| | | | | | | | | |
|-------------------------|------------|----------|--------------|----------|-----|-----|-----------------|---|
| Corrected Chlorophyll A | 8.8 | | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Phaeophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |

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

| | | | | | | | | |
|-------------------|---------------|----------|-------------|----------|-------|--------|-----------------|---|
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:19 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:19 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:19 | T |

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ANALYTICAL RESULTS

Workorder: F2102934 MARCO

Lab ID: **F2102934016** Date Received: 07/19/21 12:00 Matrix: Water
 Sample ID: **EQUIPMENT_BLANK** Date Collected: 07/19/21 10:25

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 | 7/19/2021 15:09 | F |
| WET CHEMISTRY | | | | | | | | |
| Analysis Desc: Total Nitrogen,Calculated,Water | | | Analytical Method: Calculation | | | | | |
| Total Nitrogen | 0.12 | U | mg/L | 1 | 0.20 | 0.12 | 8/4/2021 20:59 | T |
| Analysis Desc: Turbidity,E180.1,Water | | | Analytical Method: EPA 180.1 | | | | | |
| Turbidity | 0.10 | U | NTU | 1 | 0.10 | 0.10 | 7/20/2021 10:30 | 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 | 7/22/2021 10:32 | 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 | 7/22/2021 16:00 | G |
| Analysis Desc: Chlorophylls, SM10200H,Water | | | Analytical Method: SM 10200 H | | | | | |
| Corrected Chlorophyll A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Pheophytin A | 2.5 | U | mg/m3 | 1 | 3.0 | 2.5 | 7/26/2021 15:00 | G |
| Analysis Desc: Nitrate+Nitrite Low- Level,SM4500NO3F | | | Analytical Method: SM 4500NO3-F (Low Level) | | | | | |
| Nitrate (as N) | 0.0060 | U | mg/L | 1 | 0.010 | 0.0060 | 7/20/2021 12:19 | T |
| Nitrate + Nitrite | 0.010 | U | mg/L | 1 | 0.020 | 0.010 | 7/20/2021 12:19 | T |
| Nitrite (as N) | 0.0080 | U | mg/L | 1 | 0.010 | 0.0080 | 7/20/2021 12:19 | T |

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ANALYTICAL RESULTS QUALIFIERS

Workorder: F2102934 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: 07/20/2020 11:23

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: F2102934 MARCO

QC Batch: MICf/1271 Analysis Method: ENTEROLERT/ QUANTI-TRAY
QC Batch Method: ENTEROLERT/ QUANTI-TRAY Prepared:
Associated Lab Samples: F2102934001, F2102934002, F2102934003, F2102934004, F2102934005, F2102934006, F2102934007,

METHOD BLANK: 3961088

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

QC Batch: WCAf/5647 Analysis Method: SM 4500NO3-F (Low Level)
QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
Associated Lab Samples: F2102934001, F2102934002, F2102934003, F2102934004, F2102934005, F2102934006, F2102934007,

METHOD BLANK: 3961364

| 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: WCAf/5648 Analysis Method: SM 4500NO3-F (Low Level)
QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
Associated Lab Samples: F2102934011, F2102934012, F2102934013, F2102934014, F2102934015, F2102934016

METHOD BLANK: 3961375

| 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/3239 Analysis Method: EPA 351.2
QC Batch Method: Copper Sulfate Digestion Prepared: 07/21/2021 16:30
Associated Lab Samples: F2102934001, F2102934002, F2102934003, F2102934004, F2102934005, F2102934006, F2102934007

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QUALITY CONTROL DATA

Workorder: F2102934 MARCO

METHOD BLANK: 3966668

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

METHOD BLANK: 3966674

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

QC Batch: WCAg/3269 Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H Prepared:

Associated Lab Samples: F2102934001, F2102934002, F2102934003, F2102934004, F2102934005, F2102934006, F2102934007,

METHOD BLANK: 3968106

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

QC Batch: WCAf/1494 Analysis Method: EPA 180.1

QC Batch Method: EPA 180.1 Prepared:

Associated Lab Samples: F2102934001, F2102934002, F2102934003, F2102934004, F2102934005, F2102934006, F2102934007,

METHOD BLANK: 3972140

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

QC Batch: WCAg/3436 Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H Prepared:

Associated Lab Samples: F2102934008

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QUALITY CONTROL DATA

Workorder: F2102934 MARCO

METHOD BLANK: 3986958

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

QUALITY CONTROL DATA QUALIFIERS

Workorder: F2102934 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: F2102934 MARCO

| Lab ID | Sample ID | Prep Method | Prep Batch | Analysis Method | Analysis Batch |
|-------------|--------------------------|-------------|------------|-----------------------------|----------------|
| F2102934001 | BARFIELD_BRIDGE | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934002 | OLDE_MARCO | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934003 | JH_PARK | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934004 | KENDALL | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934005 | COLLIER_BRIDGE | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934006 | HC_CENTER | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934007 | LANDMARK | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934008 | LANDMARK_DUP | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934009 | SWALLOW | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934010 | W_WINTERBERRY_BRID GE | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934011 | E_WINTERBERRY_BRIDG E | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934012 | MCILVAINE | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934013 | HUMMINGBIRD | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934014 | HOLLYHOCK | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934015 | WINDMILL | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934016 | EQUIPMENT_BLANK | | | ENTEROLERT/ QUANTI-TRAY | MICi/1271 |
| F2102934001 | BARFIELD_BRIDGE | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934002 | OLDE_MARCO | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934003 | JH_PARK | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934004 | KENDALL | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934005 | COLLIER_BRIDGE | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934006 | HC_CENTER | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934007 | LANDMARK | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934008 | LANDMARK_DUP | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934009 | SWALLOW | | | SM 4500NO3-F (Low Level) | WCAt/5647 |
| F2102934010 | W_WINTERBERRY_BRID GE | | | SM 4500NO3-F (Low Level) | WCAt/5647 |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102934 MARCO

| Lab ID | Sample ID | Prep Method | Prep Batch | Analysis Method | Analysis Batch |
|-------------|----------------------|--------------------------|------------|--------------------------|----------------|
| F2102934011 | E_WINTERBERRY_BRIDGE | | | SM 4500NO3-F (Low Level) | WCAt/5648 |
| F2102934012 | MCILVAINE | | | SM 4500NO3-F (Low Level) | WCAt/5648 |
| F2102934013 | HUMMINGBIRD | | | SM 4500NO3-F (Low Level) | WCAt/5648 |
| F2102934014 | HOLLYHOCK | | | SM 4500NO3-F (Low Level) | WCAt/5648 |
| F2102934015 | WINDMILL | | | SM 4500NO3-F (Low Level) | WCAt/5648 |
| F2102934016 | EQUIPMENT_BLANK | | | SM 4500NO3-F (Low Level) | WCAt/5648 |
| F2102934001 | BARFIELD_BRIDGE | Copper Sulfate Digestion | WCAG/3239 | EPA 351.2 | WCAG/3258 |
| F2102934002 | OLDE_MARCO | Copper Sulfate Digestion | WCAG/3239 | EPA 351.2 | WCAG/3258 |
| F2102934003 | JH_PARK | Copper Sulfate Digestion | WCAG/3239 | EPA 351.2 | WCAG/3258 |
| F2102934004 | KENDALL | Copper Sulfate Digestion | WCAG/3239 | EPA 351.2 | WCAG/3258 |
| F2102934005 | COLLIER_BRIDGE | Copper Sulfate Digestion | WCAG/3239 | EPA 351.2 | WCAG/3258 |
| F2102934006 | HC_CENTER | Copper Sulfate Digestion | WCAG/3239 | EPA 351.2 | WCAG/3258 |
| F2102934007 | LANDMARK | Copper Sulfate Digestion | WCAG/3239 | EPA 351.2 | WCAG/3258 |
| F2102934008 | LANDMARK_DUP | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934009 | SWALLOW | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934010 | W_WINTERBERRY_BRIDGE | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934011 | E_WINTERBERRY_BRIDGE | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934012 | MCILVAINE | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934013 | HUMMINGBIRD | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934014 | HOLLYHOCK | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934015 | WINDMILL | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934016 | EQUIPMENT_BLANK | Copper Sulfate Digestion | WCAG/3240 | EPA 351.2 | WCAG/3260 |
| F2102934001 | BARFIELD_BRIDGE | EPA 365.3 | WCAG/3253 | EPA 365.3 | WCAG/3254 |
| F2102934002 | OLDE_MARCO | EPA 365.3 | WCAG/3253 | EPA 365.3 | WCAG/3254 |
| F2102934003 | JH_PARK | EPA 365.3 | WCAG/3253 | EPA 365.3 | WCAG/3254 |
| F2102934004 | KENDALL | EPA 365.3 | WCAG/3253 | EPA 365.3 | WCAG/3254 |
| F2102934005 | COLLIER_BRIDGE | EPA 365.3 | WCAG/3255 | EPA 365.3 | WCAG/3256 |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102934 MARCO

| Lab ID | Sample ID | Prep Method | Prep Batch | Analysis Method | Analysis Batch |
|-------------|----------------------|-------------|------------|-----------------|----------------|
| F2102934006 | HC_CENTER | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934007 | LANDMARK | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934008 | LANDMARK_DUP | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934009 | SWALLOW | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934010 | W_WINTERBERRY_BRIDGE | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934011 | E_WINTERBERRY_BRIDGE | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934012 | MCILVAINE | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934013 | HUMMINGBIRD | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934014 | HOLLYHOCK | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934015 | WINDMILL | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934016 | EQUIPMENT_BLANK | EPA 365.3 | WCAg/3255 | EPA 365.3 | WCAg/3256 |
| F2102934001 | BARFIELD_BRIDGE | | | SM 10200 H | WCAg/3269 |
| F2102934002 | OLDE_MARCO | | | SM 10200 H | WCAg/3269 |
| F2102934003 | JH_PARK | | | SM 10200 H | WCAg/3269 |
| F2102934004 | KENDALL | | | SM 10200 H | WCAg/3269 |
| F2102934005 | COLLIER_BRIDGE | | | SM 10200 H | WCAg/3269 |
| F2102934006 | HC_CENTER | | | SM 10200 H | WCAg/3269 |
| F2102934007 | LANDMARK | | | SM 10200 H | WCAg/3269 |
| F2102934009 | SWALLOW | | | SM 10200 H | WCAg/3269 |
| F2102934010 | W_WINTERBERRY_BRIDGE | | | SM 10200 H | WCAg/3269 |
| F2102934011 | E_WINTERBERRY_BRIDGE | | | SM 10200 H | WCAg/3269 |
| F2102934012 | MCILVAINE | | | SM 10200 H | WCAg/3269 |
| F2102934013 | HUMMINGBIRD | | | SM 10200 H | WCAg/3269 |
| F2102934014 | HOLLYHOCK | | | SM 10200 H | WCAg/3269 |
| F2102934015 | WINDMILL | | | SM 10200 H | WCAg/3269 |
| F2102934016 | EQUIPMENT_BLANK | | | SM 10200 H | WCAg/3269 |
| F2102934001 | BARFIELD_BRIDGE | | | EPA 180.1 | WCAf/1494 |
| F2102934002 | OLDE_MARCO | | | EPA 180.1 | WCAf/1494 |
| F2102934003 | JH_PARK | | | EPA 180.1 | WCAf/1494 |
| F2102934004 | KENDALL | | | EPA 180.1 | WCAf/1494 |
| F2102934005 | COLLIER_BRIDGE | | | EPA 180.1 | WCAf/1494 |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102934 MARCO

| Lab ID | Sample ID | Prep Method | Prep Batch | Analysis Method | Analysis Batch |
|-------------|----------------------|--------------------|------------|--------------------|----------------|
| F2102934006 | HC_CENTER | | | EPA 180.1 | WCAf/1494 |
| F2102934007 | LANDMARK | | | EPA 180.1 | WCAf/1494 |
| F2102934008 | LANDMARK_DUP | | | EPA 180.1 | WCAf/1494 |
| F2102934009 | SWALLOW | | | EPA 180.1 | WCAf/1494 |
| F2102934010 | W_WINTERBERRY_BRIDGE | | | EPA 180.1 | WCAf/1494 |
| F2102934011 | E_WINTERBERRY_BRIDGE | | | EPA 180.1 | WCAf/1494 |
| F2102934012 | MCILVAINE | | | EPA 180.1 | WCAf/1494 |
| F2102934013 | HUMMINGBIRD | | | EPA 180.1 | WCAf/1494 |
| F2102934014 | HOLLYHOCK | | | EPA 180.1 | WCAf/1494 |
| F2102934015 | WINDMILL | | | EPA 180.1 | WCAf/1494 |
| F2102934016 | EQUIPMENT_BLANK | | | EPA 180.1 | WCAf/1494 |
| F2102934008 | LANDMARK_DUP | | | SM 10200 H | WCAg/3436 |
| F2102934001 | BARFIELD_BRIDGE | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934001 | BARFIELD_BRIDGE | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934001 | BARFIELD_BRIDGE | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934002 | OLDE_MARCO | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934002 | OLDE_MARCO | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934002 | OLDE_MARCO | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934003 | JH_PARK | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934003 | JH_PARK | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934003 | JH_PARK | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934004 | KENDALL | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934004 | KENDALL | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934004 | KENDALL | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934005 | COLLIER_BRIDGE | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934005 | COLLIER_BRIDGE | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934005 | COLLIER_BRIDGE | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934006 | HC_CENTER | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934006 | HC_CENTER | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934006 | HC_CENTER | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934007 | LANDMARK | Calculation | CLCt/ | Calculation | CLCt/ |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2102934 MARCO

| Lab ID | Sample ID | Prep Method | Prep Batch | Analysis Method | Analysis Batch |
|-------------|----------------------|--------------------|------------|--------------------|----------------|
| F2102934007 | LANDMARK | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934007 | LANDMARK | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934008 | LANDMARK_DUP | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934008 | LANDMARK_DUP | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934008 | LANDMARK_DUP | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934009 | SWALLOW | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934009 | SWALLOW | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934009 | SWALLOW | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934010 | W_WINTERBERRY_BRIDGE | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934010 | W_WINTERBERRY_BRIDGE | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934010 | W_WINTERBERRY_BRIDGE | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934011 | E_WINTERBERRY_BRIDGE | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934011 | E_WINTERBERRY_BRIDGE | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934011 | E_WINTERBERRY_BRIDGE | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934012 | MCILVAINE | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934012 | MCILVAINE | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934012 | MCILVAINE | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934013 | HUMMINGBIRD | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934013 | HUMMINGBIRD | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934013 | HUMMINGBIRD | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934014 | HOLLYHOCK | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934014 | HOLLYHOCK | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934014 | HOLLYHOCK | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934015 | WINDMILL | Calculation | CLCt/ | Calculation | CLCt/ |
| F2102934015 | WINDMILL | DISRES | FLDx/ | DISRES | FLDx/ |
| F2102934015 | WINDMILL | Field Measurements | FLDf/ | Field Measurements | FLDf/ |
| F2102934016 | EQUIPMENT_BLANK | Calculation | CLCt/ | Calculation | CLCt/ |

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Work Order: F2102934
Client: City of Marco Island
Project ID: MARCO

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 10200 H
Preparation:

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: All acceptance criteria were met.
Internal Standard: All acceptance criteria were met.
Samples: All acceptance criteria were met.
Other: All acceptance criteria were met.
Serial Dilution: All acceptance criteria were met.
Duplicates: The relative percent difference (RPD) for the following analyte(s) in the replicate matrix analyses of F2102934001 was outside control criteria: Corrected Chlorophyll A. Failing RPD indicates inconsistency in the parent sample matrix.



Work Order: F2102934
Client: City of Marco Island
Project ID: MARCO

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 J2109473002 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Matrix Spike Duplicate (MSD) 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.

The matrix spike recovery of TKN for F2102934007 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.
Serial Dilution: All acceptance criteria were met.
Duplicates:



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- Altamonte Springs: 390 Northlake Blvd., Ste. 1048, FL 32701 • 407.337.1554 • Lab ID: ES3076
- Fort Myers: 13100 Westlakes Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: EM4492
- Jacksonville: 6661 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: ES2574
- Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 909.219.6274 • Lab ID: ES11095

- Gainesville
- Miramar
- Tampa



* F 2 1 0 2 9 3 4 *

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

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

Temp. when received (observed) 19.1 °C Temp. when received (corrected) 19.1 °C

Temp. when received (observed) 19.1 °C Temp. when received (corrected) 19.1 °C

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 P-1A

Relinquished by: [Signature] Date: 7/19/21 Time: 12:00 Received by: [Signature] Date: 7/19/21 Time: 6:20

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



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- Altamonte Springs: 380 Northside Blvd., Ste. 1068, FL 32701 • 407.337.1994 • Lab ID: E53076
- Fort Myers: 13100 Westlakes Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E34492
- Jacksonville: 6661 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: E82574
- Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: E811095

F2102934

- Gainesville: 4665 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: E83001
- Miramar: 10200 USA Today Way, FL 33025 • 954.889.2289 • Lab ID: E82535
- Tampa: 9610 Princess Palm Ave., FL 33619 • 813.630.0616 • Lab ID: E84599

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

| SAMPLE ID | SAMPLE DESCRIPTION | Grab Comp | SAMPLING | | MATRIX | NO. COUNT | ANALYSIS REQUIRED | | | | BOTTLE SIZE & TYPE | LABORATORY I.D. NUMBER |
|----------------------|--------------------|-----------|----------|-------|--------|-----------|-------------------|-----------|-------------------|-------------|--------------------|------------------------|
| | | | DATE | TIME | | | NO2/NO3 | TKN/TP/TN | Chlor-A/Turbidity | Enterococci | | |
| E_WINTERBERRY_BRIDGE | | Grab | 7/19/21 | 09:24 | SW | 4 | X | X | X | X | 250 mL Plastic | 011 |
| | MCILVAINE | Grab | | 09:40 | SW | 4 | X | X | X | X | 250 mL Plastic | 012 |
| | HUMMINGBIRD | Grab | | 09:50 | SW | 4 | X | X | X | X | 1L Amb Plastic | 013 |
| | HOLLYHOCK | Grab | | 10:02 | SW | 4 | X | X | X | X | 100 mL Cup | 014 |
| | WINDMILL | Grab | | 10:15 | SW | 4 | X | X | X | X | | 015 |
| | EQUIPMENT_BLANK | Grab | | 10:25 | 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

Temp. when received (observed) 14.1 °C Temp. when received (corrected) 14.1 °C

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: [Signature] Date: 7/19/21 Time: 12:00 Received by: [Signature] Date: 7/19/21 Time: 12:00

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 | 7:33 | 7:34 | 7:44 | 7:45 | 7:57 | 7:58 | 8:08 | 8:09 |
| SAMPLE DEPTH | 0.30m top | 2.25 | 0.30m top | 2.75 | 0.30m top | 4.00 | 0.30m top | 4.00 |
| TOTAL DEPTH | 3.0 | 3.0 | 3.0 | 3.0 | 5.0 | 5.0 | 4.5 | 4.5 |
| TEMP /C | 29.8 | 29.8 | 29.4 | 29.4 | 30.1 | 30.4 | 30.9 | 31.0 |
| D.O. mg /L | 4.1 | 4.3 | 3.74 | 4.31 | 4.97 | 3.84 | 3.95 | 2.83 |
| D.O. % sat. | 61.4 | 64.4 | 55.9 | 64.5 | 74.3 | 57.9 | 59.4 | 42.7 |
| CONDUCTIVITY(umhos) | 36931 | 37299 | 37923 | 38068 | 35098 | 36133 | 33182 | 33945 |
| SALINITY ppt. | 23.23 | 23.25 | 23.95 | 24.05 | 21.97 | 22.68 | 20.62 | 21.15 |
| pH su. | 7.85 | 7.87 | 7.96 | 7.96 | 7.96 | 7.89 | 7.83 | 7.8 |
| SECCHI DEPTH | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.5 | 3.5 |
| FIELD COMMENTS: | Outgoing Tide Full Sun | | Outgoing Tide Full Sun | | Outgoing Tide Full Sun | | Outgoing Tide Full Sun | |
| WEATHER : | 74 DEG F | | 75 DEG F | | 76 DEG F | | 77 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 | | | | | Signature | | | Date |
| | | | | | | | 7/19/21 | |

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| | | | | | | | | |
|---|---------------------------|----------------|---------------------------|--------------------------------|---|----------|---------------------------|--------------|
| Client Name: | CITY OF MARCO ISLAND | Site Name: | MARCO ISLAND WATERWAYS | | | | | |
| Water Sample Parameters | | | | | | | | |
| SAMPLE LOCATION | COLLIER BRIDGE | COLLIER BRIDGE | HC CENTER | HC CENTER | LANDMARK | LANDMARK | LANDMARK DUP | LANDMARK DUP |
| SAMPLE TIME | 8:18 | 8:19 | 8:43 | 8:44 | 8:27 | 8:28 | 8:29 | 8:30 |
| 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 | 30.7 | 30.8 | 31.0 | 31.2 | 31.0 | 31.6 | 31.0 | 31.7 |
| D.O. mg /L | 4.47 | 2.53 | 4.21 | 2.89 | 4.47 | 4.59 | 4.17 | 5.12 |
| D.O. % sat. | 67 | 38.3 | 63.6 | 44 | 67.7 | 70.9 | 64.5 | 77.5 |
| CONDUCTIVITY(umhos) | 33356 | 35337 | 33715 | 34827 | 34680 | 37219 | 34462 | 37208 |
| SALINITY ppt. | 20.75 | 22.11 | 20.99 | 21.75 | 21.65 | 23.4 | 21.5 | 23.39 |
| pH su. | 7.91 | 7.81 | 8.00 | 7.81 | 8.04 | 8.00 | 8.04 | 8.00 |
| SECCHI DEPTH | 4.0 | 4.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| FIELD COMMENTS: | Outgoing Tide FULL SUN | | Outgoing Tide FULL SUN | | Outgoing Tide FULL SUN | | Outgoing Tide FULL SUN | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| WEATHER : | 77 DEG F | | 77 DEG F | | 77 DEG F | | 77 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 | | | | | | | | 7/19/21 |

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| | | | |
|---------------------|----------------------|-------------------|------------------------|
| 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 | 8:57 | 8:58 | 9:16 | 9:17 | 9:26 | 9:27 | 9:40 | 9:41 |
| 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 | 31.1 | 31.3 | 30.5 | 30.5 | 30.9 | 30.6 | 30.4 | 30.4 |
| D.O. mg /L | 1.84 | 3.42 | 4.81 | 4.83 | 5.15 | 4.49 | 5.01 | 3.63 |
| D.O. % sat. | 27.8 | 52.8 | 72.6 | 73.1 | 78.5 | 68.3 | 76.0 | 55.3 |
| CONDUCTIVITY(umhos) | 34077 | 38209 | 35662 | 36563 | 36653 | 37715 | 37934 | 38659 |
| SALINITY ppt. | 21.23 | 24.10 | 22.34 | 22.97 | 23.02 | 23.77 | 23.93 | 24.44 |
| pH su. | 7.77 | 8.04 | 7.99 | 7.99 | 8.03 | 8.04 | 8.03 | 7.97 |
| SECCHI DEPTH | 2.0 | 2.0 | 3.5 | 3.5 | 4.5 | 4.5 | 3.25 | 3.25 |

| | | | | |
|---------------------------------|---|---------------------------|---------------------------|---------------------------|
| FIELD COMMENTS: | Outgoing Tide FULL SUN SLIME ON WATER | Outgoing Tide FULL SUN | Outgoing Tide FULL SUN | Outgoing Tide FULL SUN |
| | | | | |
| | | | | |
| | | | | |
| WEATHER : | 78 DEG F | 80 DEG F | 80 DEG F | 82 DEG F |
| FIELD EQUIP. USED: ID #: | VAN DORN / F3X | VAN DORN / F3X | VAN DORN / F3X | VAN DORN / F3X |

| Authentication | | | |
|---|----------|---|-------------|
| SAMPLED BY: (PRINT) / | FF / AEL | Sampler's Signature | Date |
| AFFILIATION:// ADVANCED ENVIRONMENTAL LABORATORIES | |  | 7/19/21 |

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| | | | | | | | | |
|--|---------------------------|------------|---------------------------|--------------|---|----------|----------------|---------|
| 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 | 10:04 | 10:05 | 9:53 | 9:54 | 10:19 | 10:20 | 10:30 | |
| SAMPLE DEPTH | 0.30m top | 1.75 | 0.30m top | 2.25 | 0.30m top | 3.75 | NA | |
| TOTAL DEPTH | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | NA | |
| TEMP /C | 30.3 | 30.4 | 30.7 | 30.9 | 30.3 | 30.1 | NA | |
| D.O. mg /L | 4.82 | 3.64 | 5.28 | 2.82 | 4.87 | 2.91 | NA | |
| D.O. % sat. | 72.3 | 55.0 | 79.4 | 42.8 | 72.8 | 43.7 | NA | |
| CONDUCTIVITY(umhos) | 35296 | 36242 | 33809 | 35370 | 34346 | 36383 | NA | |
| SALINITY ppt. | 22.10 | 22.61 | 21.06 | 22.13 | 21.44 | 22.86 | NA | |
| pH su. | 7.92 | 7.85 | 7.99 | 7.80 | 7.93 | 7.82 | NA | |
| SECCHI DEPTH | 2.50 | 2.50 | 2.50 | 2.50 | 4.00 | 4.00 | 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 |  | | | Date |
| AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES | | | | Signature | | | | 7/19/21 |