



Advanced Environmental Laboratories, Inc  
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**FINAL**

**Workorder: Monthly Marco (F2200378)**

February 25, 2022

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

RE: Workorder: F2200378 Monthly Marco

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday January 26, 2022. 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

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**FINAL**

**Workorder: Monthly Marco (F2200378)**

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analyses Reported
F2200378001	BARFIELD_BRIDGE	WA	Calculation	01/26/2022 07:52	01/26/2022 13:52	1
F2200378001	BARFIELD_BRIDGE	WA	DISRES	01/26/2022 07:52	01/26/2022 13:52	3
F2200378001	BARFIELD_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 07:52	01/26/2022 13:52	1
F2200378001	BARFIELD_BRIDGE	WA	EPA 180.1	01/26/2022 07:52	01/26/2022 13:52	1
F2200378001	BARFIELD_BRIDGE	WA	EPA 351.2	01/26/2022 07:52	01/26/2022 13:52	1
F2200378001	BARFIELD_BRIDGE	WA	EPA 365.3	01/26/2022 07:52	01/26/2022 13:52	1
F2200378001	BARFIELD_BRIDGE	WA	Field Measurements	01/26/2022 07:52	01/26/2022 13:52	6
F2200378001	BARFIELD_BRIDGE	WA	SM 10200 H	01/26/2022 07:52	01/26/2022 13:52	2
F2200378001	BARFIELD_BRIDGE	WA	SM 4500NO3-F (Low Level)	01/26/2022 07:52	01/26/2022 13:52	3
F2200378002	OLDE_MARCO	WA	Calculation	01/26/2022 08:07	01/26/2022 13:52	1
F2200378002	OLDE_MARCO	WA	DISRES	01/26/2022 08:07	01/26/2022 13:52	3
F2200378002	OLDE_MARCO	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 08:07	01/26/2022 13:52	1
F2200378002	OLDE_MARCO	WA	EPA 180.1	01/26/2022 08:07	01/26/2022 13:52	1
F2200378002	OLDE_MARCO	WA	EPA 351.2	01/26/2022 08:07	01/26/2022 13:52	1
F2200378002	OLDE_MARCO	WA	EPA 365.3	01/26/2022 08:07	01/26/2022 13:52	1
F2200378002	OLDE_MARCO	WA	Field Measurements	01/26/2022 08:07	01/26/2022 13:52	6
F2200378002	OLDE_MARCO	WA	SM 10200 H	01/26/2022 08:07	01/26/2022 13:52	2
F2200378002	OLDE_MARCO	WA	SM 4500NO3-F (Low Level)	01/26/2022 08:07	01/26/2022 13:52	3
F2200378003	JH_PARK	WA	Calculation	01/26/2022 08:22	01/26/2022 13:52	1
F2200378003	JH_PARK	WA	DISRES	01/26/2022 08:22	01/26/2022 13:52	3
F2200378003	JH_PARK	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 08:22	01/26/2022 13:52	1
F2200378003	JH_PARK	WA	EPA 180.1	01/26/2022 08:22	01/26/2022 13:52	1
F2200378003	JH_PARK	WA	EPA 351.2	01/26/2022 08:22	01/26/2022 13:52	1
F2200378003	JH_PARK	WA	EPA 365.3	01/26/2022 08:22	01/26/2022 13:52	1
F2200378003	JH_PARK	WA	Field Measurements	01/26/2022 08:22	01/26/2022 13:52	6
F2200378003	JH_PARK	WA	SM 10200 H	01/26/2022 08:22	01/26/2022 13:52	2
F2200378003	JH_PARK	WA	SM 4500NO3-F (Low Level)	01/26/2022 08:22	01/26/2022 13:52	3
F2200378004	KENDALL	WA	Calculation	01/26/2022 08:34	01/26/2022 13:52	1
F2200378004	KENDALL	WA	DISRES	01/26/2022 08:34	01/26/2022 13:52	3
F2200378004	KENDALL	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 08:34	01/26/2022 13:52	1
F2200378004	KENDALL	WA	EPA 180.1	01/26/2022 08:34	01/26/2022 13:52	1
F2200378004	KENDALL	WA	EPA 351.2	01/26/2022 08:34	01/26/2022 13:52	1
F2200378004	KENDALL	WA	EPA 365.3	01/26/2022 08:34	01/26/2022 13:52	1
F2200378004	KENDALL	WA	Field Measurements	01/26/2022 08:34	01/26/2022 13:52	6
F2200378004	KENDALL	WA	SM 10200 H	01/26/2022 08:34	01/26/2022 13:52	2





**FINAL**

**Workorder: Monthly Marco (F2200378)**

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analyses Reported
F2200378004	KENDALL	WA	SM 4500NO3-F (Low Level)	01/26/2022 08:34	01/26/2022 13:52	3
F2200378005	COLLIER_BRIDGE	WA	Calculation	01/26/2022 08:50	01/26/2022 13:52	1
F2200378005	COLLIER_BRIDGE	WA	DISRES	01/26/2022 08:50	01/26/2022 13:52	3
F2200378005	COLLIER_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 08:50	01/26/2022 13:52	1
F2200378005	COLLIER_BRIDGE	WA	EPA 180.1	01/26/2022 08:50	01/26/2022 13:52	1
F2200378005	COLLIER_BRIDGE	WA	EPA 351.2	01/26/2022 08:50	01/26/2022 13:52	1
F2200378005	COLLIER_BRIDGE	WA	EPA 365.3	01/26/2022 08:50	01/26/2022 13:52	1
F2200378005	COLLIER_BRIDGE	WA	Field Measurements	01/26/2022 08:50	01/26/2022 13:52	6
F2200378005	COLLIER_BRIDGE	WA	SM 10200 H	01/26/2022 08:50	01/26/2022 13:52	2
F2200378005	COLLIER_BRIDGE	WA	SM 4500NO3-F (Low Level)	01/26/2022 08:50	01/26/2022 13:52	3
F2200378006	LANDMARK	WA	Calculation	01/26/2022 09:03	01/26/2022 13:52	1
F2200378006	LANDMARK	WA	DISRES	01/26/2022 09:03	01/26/2022 13:52	3
F2200378006	LANDMARK	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 09:03	01/26/2022 13:52	1
F2200378006	LANDMARK	WA	EPA 180.1	01/26/2022 09:03	01/26/2022 13:52	1
F2200378006	LANDMARK	WA	EPA 351.2	01/26/2022 09:03	01/26/2022 13:52	1
F2200378006	LANDMARK	WA	EPA 365.3	01/26/2022 09:03	01/26/2022 13:52	1
F2200378006	LANDMARK	WA	Field Measurements	01/26/2022 09:03	01/26/2022 13:52	6
F2200378006	LANDMARK	WA	SM 10200 H	01/26/2022 09:03	01/26/2022 13:52	2
F2200378006	LANDMARK	WA	SM 4500NO3-F (Low Level)	01/26/2022 09:03	01/26/2022 13:52	3
F2200378007	LANDMARK_DUP	WA	Calculation	01/26/2022 09:15	01/26/2022 13:52	1
F2200378007	LANDMARK_DUP	WA	DISRES	01/26/2022 09:15	01/26/2022 13:52	3
F2200378007	LANDMARK_DUP	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 09:15	01/26/2022 13:52	1
F2200378007	LANDMARK_DUP	WA	EPA 180.1	01/26/2022 09:15	01/26/2022 13:52	1
F2200378007	LANDMARK_DUP	WA	EPA 351.2	01/26/2022 09:15	01/26/2022 13:52	1
F2200378007	LANDMARK_DUP	WA	EPA 365.3	01/26/2022 09:15	01/26/2022 13:52	1
F2200378007	LANDMARK_DUP	WA	Field Measurements	01/26/2022 09:15	01/26/2022 13:52	6
F2200378007	LANDMARK_DUP	WA	SM 10200 H	01/26/2022 09:15	01/26/2022 13:52	2
F2200378007	LANDMARK_DUP	WA	SM 4500NO3-F (Low Level)	01/26/2022 09:15	01/26/2022 13:52	3
F2200378008	HC_CENTER	WA	Calculation	01/26/2022 09:22	01/26/2022 13:52	1
F2200378008	HC_CENTER	WA	DISRES	01/26/2022 09:22	01/26/2022 13:52	3
F2200378008	HC_CENTER	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 09:22	01/26/2022 13:52	1
F2200378008	HC_CENTER	WA	EPA 180.1	01/26/2022 09:22	01/26/2022 13:52	1
F2200378008	HC_CENTER	WA	EPA 351.2	01/26/2022 09:22	01/26/2022 13:52	1
F2200378008	HC_CENTER	WA	EPA 365.3	01/26/2022 09:22	01/26/2022 13:52	1
F2200378008	HC_CENTER	WA	Field Measurements	01/26/2022 09:22	01/26/2022 13:52	6

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**FINAL**

**Workorder:** Monthly Marco (F2200378)

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analyses Reported
F2200378008	HC_CENTER	WA	SM 10200 H	01/26/2022 09:22	01/26/2022 13:52	2
F2200378008	HC_CENTER	WA	SM 4500NO3-F (Low Level)	01/26/2022 09:22	01/26/2022 13:52	3
F2200378009	SWALLOW	WA	Calculation	01/26/2022 09:39	01/26/2022 13:52	1
F2200378009	SWALLOW	WA	DISRES	01/26/2022 09:39	01/26/2022 13:52	3
F2200378009	SWALLOW	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 09:39	01/26/2022 13:52	1
F2200378009	SWALLOW	WA	EPA 180.1	01/26/2022 09:39	01/26/2022 13:52	1
F2200378009	SWALLOW	WA	EPA 351.2	01/26/2022 09:39	01/26/2022 13:52	1
F2200378009	SWALLOW	WA	EPA 365.3	01/26/2022 09:39	01/26/2022 13:52	1
F2200378009	SWALLOW	WA	Field Measurements	01/26/2022 09:39	01/26/2022 13:52	6
F2200378009	SWALLOW	WA	SM 10200 H	01/26/2022 09:39	01/26/2022 13:52	2
F2200378009	SWALLOW	WA	SM 4500NO3-F (Low Level)	01/26/2022 09:39	01/26/2022 13:52	3
F2200378010	W_WINTERBERRY_BRIDGE	WA	Calculation	01/26/2022 10:00	01/26/2022 13:52	1
F2200378010	W_WINTERBERRY_BRIDGE	WA	DISRES	01/26/2022 10:00	01/26/2022 13:52	3
F2200378010	W_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 10:00	01/26/2022 13:52	1
F2200378010	W_WINTERBERRY_BRIDGE	WA	EPA 180.1	01/26/2022 10:00	01/26/2022 13:52	1
F2200378010	W_WINTERBERRY_BRIDGE	WA	EPA 351.2	01/26/2022 10:00	01/26/2022 13:52	1
F2200378010	W_WINTERBERRY_BRIDGE	WA	EPA 365.3	01/26/2022 10:00	01/26/2022 13:52	1
F2200378010	W_WINTERBERRY_BRIDGE	WA	Field Measurements	01/26/2022 10:00	01/26/2022 13:52	6
F2200378010	W_WINTERBERRY_BRIDGE	WA	SM 10200 H	01/26/2022 10:00	01/26/2022 13:52	2
F2200378010	W_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	01/26/2022 10:00	01/26/2022 13:52	3
F2200378011	E_WINTERBERRY_BRIDGE	WA	Calculation	01/26/2022 10:14	01/26/2022 13:52	1
F2200378011	E_WINTERBERRY_BRIDGE	WA	DISRES	01/26/2022 10:14	01/26/2022 13:52	3
F2200378011	E_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 10:14	01/26/2022 13:52	1
F2200378011	E_WINTERBERRY_BRIDGE	WA	EPA 180.1	01/26/2022 10:14	01/26/2022 13:52	1
F2200378011	E_WINTERBERRY_BRIDGE	WA	EPA 351.2	01/26/2022 10:14	01/26/2022 13:52	1
F2200378011	E_WINTERBERRY_BRIDGE	WA	EPA 365.3	01/26/2022 10:14	01/26/2022 13:52	1
F2200378011	E_WINTERBERRY_BRIDGE	WA	Field Measurements	01/26/2022 10:14	01/26/2022 13:52	6
F2200378011	E_WINTERBERRY_BRIDGE	WA	SM 10200 H	01/26/2022 10:14	01/26/2022 13:52	2
F2200378011	E_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	01/26/2022 10:14	01/26/2022 13:52	3
F2200378012	MCILVAINE	WA	Calculation	01/26/2022 10:28	01/26/2022 13:52	1
F2200378012	MCILVAINE	WA	DISRES	01/26/2022 10:28	01/26/2022 13:52	3
F2200378012	MCILVAINE	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 10:28	01/26/2022 13:52	1

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**FINAL**

**Workorder:** Monthly Marco (F2200378)

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analyses Reported
F2200378012	MCILVAINE	WA	EPA 180.1	01/26/2022 10:28	01/26/2022 13:52	1
F2200378012	MCILVAINE	WA	EPA 351.2	01/26/2022 10:28	01/26/2022 13:52	1
F2200378012	MCILVAINE	WA	EPA 365.3	01/26/2022 10:28	01/26/2022 13:52	1
F2200378012	MCILVAINE	WA	Field Measurements	01/26/2022 10:28	01/26/2022 13:52	6
F2200378012	MCILVAINE	WA	SM 10200 H	01/26/2022 10:28	01/26/2022 13:52	2
F2200378012	MCILVAINE	WA	SM 4500NO3-F (Low Level)	01/26/2022 10:28	01/26/2022 13:52	3
F2200378013	HUMMINGBIRD	WA	Calculation	01/26/2022 10:43	01/26/2022 13:52	1
F2200378013	HUMMINGBIRD	WA	DISRES	01/26/2022 10:43	01/26/2022 13:52	3
F2200378013	HUMMINGBIRD	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 10:43	01/26/2022 13:52	1
F2200378013	HUMMINGBIRD	WA	EPA 180.1	01/26/2022 10:43	01/26/2022 13:52	1
F2200378013	HUMMINGBIRD	WA	EPA 351.2	01/26/2022 10:43	01/26/2022 13:52	1
F2200378013	HUMMINGBIRD	WA	EPA 365.3	01/26/2022 10:43	01/26/2022 13:52	1
F2200378013	HUMMINGBIRD	WA	Field Measurements	01/26/2022 10:43	01/26/2022 13:52	6
F2200378013	HUMMINGBIRD	WA	SM 10200 H	01/26/2022 10:43	01/26/2022 13:52	2
F2200378013	HUMMINGBIRD	WA	SM 4500NO3-F (Low Level)	01/26/2022 10:43	01/26/2022 13:52	3
F2200378014	HOLLYHOCK	WA	Calculation	01/26/2022 10:57	01/26/2022 13:52	1
F2200378014	HOLLYHOCK	WA	DISRES	01/26/2022 10:57	01/26/2022 13:52	3
F2200378014	HOLLYHOCK	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 10:57	01/26/2022 13:52	1
F2200378014	HOLLYHOCK	WA	EPA 180.1	01/26/2022 10:57	01/26/2022 13:52	1
F2200378014	HOLLYHOCK	WA	EPA 351.2	01/26/2022 10:57	01/26/2022 13:52	1
F2200378014	HOLLYHOCK	WA	EPA 365.3	01/26/2022 10:57	01/26/2022 13:52	1
F2200378014	HOLLYHOCK	WA	Field Measurements	01/26/2022 10:57	01/26/2022 13:52	6
F2200378014	HOLLYHOCK	WA	SM 10200 H	01/26/2022 10:57	01/26/2022 13:52	2
F2200378014	HOLLYHOCK	WA	SM 4500NO3-F (Low Level)	01/26/2022 10:57	01/26/2022 13:52	3
F2200378015	WINDMILL	WA	Calculation	01/26/2022 11:12	01/26/2022 13:52	1
F2200378015	WINDMILL	WA	DISRES	01/26/2022 11:12	01/26/2022 13:52	3
F2200378015	WINDMILL	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 11:12	01/26/2022 13:52	1
F2200378015	WINDMILL	WA	EPA 180.1	01/26/2022 11:12	01/26/2022 13:52	1
F2200378015	WINDMILL	WA	EPA 351.2	01/26/2022 11:12	01/26/2022 13:52	1
F2200378015	WINDMILL	WA	EPA 365.3	01/26/2022 11:12	01/26/2022 13:52	1
F2200378015	WINDMILL	WA	Field Measurements	01/26/2022 11:12	01/26/2022 13:52	6
F2200378015	WINDMILL	WA	SM 10200 H	01/26/2022 11:12	01/26/2022 13:52	2
F2200378015	WINDMILL	WA	SM 4500NO3-F (Low Level)	01/26/2022 11:12	01/26/2022 13:52	3
F2200378016	EQUIPMENT_BLANK	WA	Calculation	01/26/2022 11:16	01/26/2022 13:52	1
F2200378016	EQUIPMENT_BLANK	WA	ENTEROLERT/ QUANTI-TRAY	01/26/2022 11:16	01/26/2022 13:52	1

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Workorder: Monthly Marco (F2200378)

### Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
F2200378016	EQUIPMENT_BLANK	WA	EPA 180.1	01/26/2022 11:16	01/26/2022 13:52	1
F2200378016	EQUIPMENT_BLANK	WA	EPA 351.2	01/26/2022 11:16	01/26/2022 13:52	1
F2200378016	EQUIPMENT_BLANK	WA	EPA 365.3	01/26/2022 11:16	01/26/2022 13:52	1
F2200378016	EQUIPMENT_BLANK	WA	SM 10200 H	01/26/2022 11:16	01/26/2022 13:52	2
F2200378016	EQUIPMENT_BLANK	WA	SM 4500NO3-F (Low Level)	01/26/2022 11:16	01/26/2022 13:52	3

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**Workorder:** Monthly Marco (F2200378)

## Analytical Results Qualifiers

### 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

### Lab Qualifiers

- F DOH Certification #E84492 (FL NELAC) AEL-Ft. Myers
- F^ Not Certified
- G DOH Certification #E82001 (FL NELAC) AEL-Gainesville
- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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**FINAL**

**Workorder:** Monthly Marco (F2200378)

**Analytical Results**

**Lab ID:** F2200378001      **Date Collected:** 01/26/2022 07:52      **Matrix:** Water  
**Sample ID:** BARFIELD\_BRIDGE      **Date Received:** 01/26/2022 13:52

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	02/01/2022 10:18	02/01/2022 10:18	X
Secchi Disc	2	meters			1	02/01/2022 10:18	02/01/2022 10:18	X
Total Depth	2.5	meters			1	02/01/2022 10:17	02/01/2022 10:17	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53971	umhos/cm			1	02/01/2022 11:14	02/01/2022 11:14	F
DO Saturation %	96.4	%			1	02/01/2022 11:14	02/01/2022 11:14	F
Dissolved Oxygen	7.34	mg/L			1	02/01/2022 11:14	02/01/2022 11:14	F
Salinity	35.78	ppt			1	02/01/2022 11:14	02/01/2022 11:14	F
Temperature	18.4	°C			1	02/01/2022 11:14	02/01/2022 11:14	F
pH	7.9	SU			1	02/01/2022 11:14	02/01/2022 11:14	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.319	mg/L	0.2	0.12	1	02/25/2022 09:13	02/25/2022 09:13	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.2901	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.014	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	01/27/2022 13:39	01/27/2022 13:39	T
Nitrate + Nitrite	0.03	mg/L	0.02	0.010	1	01/27/2022 13:39	01/27/2022 13:39	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:39	01/27/2022 13:39	T







**FINAL**

**Workorder:** Monthly Marco (F2200378)

## Analytical Results

### Task Comments

#### 2505989 - WCAg/5297

samples F2200378001-16 filtered on 1/27/2022 at 16:41

### Analysis Results Comments

#### Corrected Chlorophyll A

samples F2200378001-016 filtered 1/27/22 16:41

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**FINAL**

**Workorder:** Monthly Marco (F2200378)

**Analytical Results**

**Lab ID:** F2200378002      **Date Collected:** 01/26/2022 08:07      **Matrix:** Water  
**Sample ID:** OLDE\_MARCO      **Date Received:** 01/26/2022 13:52

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	02/01/2022 11:48	02/01/2022 11:48	X
Secchi Disc	1	meters			1	02/01/2022 11:59	02/01/2022 11:59	X
Total Depth	2.5	meters			1	02/01/2022 11:19	02/01/2022 11:19	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53918	umhos/cm			1	02/01/2022 12:00	02/01/2022 12:00	F
DO Saturation %	77.5	%			1	02/01/2022 12:00	02/01/2022 12:00	F
Dissolved Oxygen	5.87	mg/L			1	02/01/2022 12:00	02/01/2022 12:00	F
Salinity	35.69	ppt			1	02/01/2022 12:00	02/01/2022 12:00	F
Temperature	18.3	°C			1	02/01/2022 12:00	02/01/2022 12:00	F
pH	7.99	SU			1	02/01/2022 12:00	02/01/2022 12:00	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.311	mg/L	0.2	0.12	1	02/25/2022 09:14	02/25/2022 09:14	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.311 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	3	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.044	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	4.0	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.008 I	mg/L	0.01	0.0060	1	01/27/2022 13:41	01/27/2022 13:41	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	01/27/2022 13:41	01/27/2022 13:41	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:41	01/27/2022 13:41	T





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**Workorder:** Monthly Marco (F2200378)

## Analytical Results

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**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2200378003 <b>Date Collected:</b> 01/26/2022 08:22 <b>Matrix:</b> Water								
<b>Sample ID:</b> JH_PARK <b>Date Received:</b> 01/26/2022 13:52								
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	02/01/2022 12:29	02/01/2022 12:29	X
Secchi Disc	1	meters			1	02/01/2022 12:29	02/01/2022 12:29	X
Total Depth	3.5	meters			1	02/01/2022 12:22	02/01/2022 12:22	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53919	umhos/cm			1	02/02/2022 10:35	02/02/2022 10:35	F
DO Saturation %	74.9	%			1	02/02/2022 10:35	02/02/2022 10:35	F
Dissolved Oxygen	5.59	mg/L			1	02/02/2022 10:35	02/02/2022 10:35	F
Salinity	35.7	ppt			1	02/02/2022 10:35	02/02/2022 10:35	F
Temperature	18.9	°C			1	02/02/2022 10:35	02/02/2022 10:35	F
pH	7.91	SU			1	02/02/2022 10:35	02/02/2022 10:35	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.315	mg/L	0.2	0.12	1	02/25/2022 10:15	02/25/2022 10:15	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.300 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	4	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.014	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	3.2	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	01/27/2022 13:42	01/27/2022 13:42	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	01/27/2022 13:42	01/27/2022 13:42	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:42	01/27/2022 13:42	T





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**Workorder:** Monthly Marco (F2200378)

## Analytical Results

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**Workorder:** Monthly Marco (F2200378)

**Analytical Results**

**Lab ID:** F2200378004      **Date Collected:** 01/26/2022 08:34      **Matrix:** Water  
**Sample ID:** KENDALL      **Date Received:** 01/26/2022 13:52

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 08:34	01/26/2022 08:34	X
Secchi Disc	1.5	meters			1	01/26/2022 08:34	01/26/2022 08:34	X
Total Depth	2.5	meters			1	01/26/2022 08:34	01/26/2022 08:34	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53778	umhos/cm			1	01/26/2022 08:34	01/26/2022 08:34	F
DO Saturation %	88.3	%			1	01/26/2022 08:34	01/26/2022 08:34	F
Dissolved Oxygen	6.63	mg/L			1	01/26/2022 08:34	01/26/2022 08:34	F
Salinity	35.59	ppt			1	01/26/2022 08:34	01/26/2022 08:34	F
Temperature	19.1	°C			1	01/26/2022 08:34	01/26/2022 08:34	F
pH	7.92	SU			1	01/26/2022 08:34	01/26/2022 08:34	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	02/25/2022 10:15	02/25/2022 10:15	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.012	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	01/27/2022 13:43	01/27/2022 13:43	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	01/27/2022 13:43	01/27/2022 13:43	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:43	01/27/2022 13:43	T





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**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2200378005 <b>Date Collected:</b> 01/26/2022 08:50 <b>Matrix:</b> Water								
<b>Sample ID:</b> COLLIER_BRIDGE <b>Date Received:</b> 01/26/2022 13:52								
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 08:50	01/26/2022 08:50	X
Secchi Disc	1	meters			1	01/26/2022 08:50	01/26/2022 08:50	X
Total Depth	2.5	meters			1	01/26/2022 08:50	01/26/2022 08:50	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53383	umhos/cm			1	01/26/2022 08:50	01/26/2022 08:50	F
DO Saturation %	78.4	%			1	01/26/2022 08:50	01/26/2022 08:50	F
Dissolved Oxygen	5.83	mg/L			1	01/26/2022 08:50	01/26/2022 08:50	F
Salinity	35.3	ppt			1	01/26/2022 08:50	01/26/2022 08:50	F
Temperature	19.5	°C			1	01/26/2022 08:50	01/26/2022 08:50	F
pH	7.84	SU			1	01/26/2022 08:50	01/26/2022 08:50	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.306	mg/L	0.2	0.12	1	02/25/2022 10:21	02/25/2022 10:21	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.306 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.014	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.009 I	mg/L	0.01	0.0060	1	01/27/2022 13:43	01/27/2022 13:43	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	01/27/2022 13:43	01/27/2022 13:43	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:43	01/27/2022 13:43	T







**FINAL**

**Workorder:** Monthly Marco (F2200378)

## Analytical Results

### Analysis Results Comments

#### Total Kjeldahl Nitrogen

J4|Estimated Result

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**Workorder:** Monthly Marco (F2200378)

**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2200378006 <b>Date Collected:</b> 01/26/2022 09:03 <b>Matrix:</b> Water								
<b>Sample ID:</b> LANDMARK <b>Date Received:</b> 01/26/2022 13:52								
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 09:03	01/26/2022 09:03	X
Secchi Disc	2	meters			1	01/26/2022 09:03	01/26/2022 09:03	X
Total Depth	2.25	meters			1	01/26/2022 09:03	01/26/2022 09:03	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	54058	umhos/cm			1	01/26/2022 09:03	01/26/2022 09:03	F
DO Saturation %	78.3	%			1	01/26/2022 09:03	01/26/2022 09:03	F
Dissolved Oxygen	5.77	mg/L			1	01/26/2022 09:03	01/26/2022 09:03	F
Salinity	35.79	ppt			1	01/26/2022 09:03	01/26/2022 09:03	F
Temperature	19.6	°C			1	01/26/2022 09:03	01/26/2022 09:03	F
pH	7.98	SU			1	01/26/2022 09:03	01/26/2022 09:03	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.255	mg/L	0.2	0.12	1	02/25/2022 10:24	02/25/2022 10:24	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.239 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	0.7	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.022	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	01/27/2022 13:44	01/27/2022 13:44	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	01/27/2022 13:44	01/27/2022 13:44	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:44	01/27/2022 13:44	T





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**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2200378007 <b>Date Collected:</b> 01/26/2022 09:15 <b>Matrix:</b> Water								
<b>Sample ID:</b> LANDMARK_DUP <b>Date Received:</b> 01/26/2022 13:52								
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 09:15	01/26/2022 09:15	X
Secchi Disc	2	meters			1	01/26/2022 09:15	01/26/2022 09:15	X
Total Depth	2.25	meters			1	01/26/2022 09:15	01/26/2022 09:15	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	55054	umhos/cm			1	01/26/2022 09:15	01/26/2022 09:15	F
DO Saturation %	79.6	%			1	01/26/2022 09:15	01/26/2022 09:15	F
Dissolved Oxygen	5.89	mg/L			1	01/26/2022 09:15	01/26/2022 09:15	F
Salinity	35.79	ppt			1	01/26/2022 09:15	01/26/2022 09:15	F
Temperature	19.6	°C			1	01/26/2022 09:15	01/26/2022 09:15	F
pH	7.98	SU			1	01/26/2022 09:15	01/26/2022 09:15	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.279	mg/L	0.2	0.12	1	02/25/2022 10:35	02/25/2022 10:35	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.248 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	0.7	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.054	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	3.2	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.03	mg/L	0.01	0.0060	1	01/27/2022 13:45	01/27/2022 13:45	T
Nitrate + Nitrite	0.03	mg/L	0.02	0.010	1	01/27/2022 13:45	01/27/2022 13:45	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:45	01/27/2022 13:45	T





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**Workorder:** Monthly Marco (F2200378)

**Analytical Results**

**Lab ID:** F2200378008      **Date Collected:** 01/26/2022 09:22      **Matrix:** Water  
**Sample ID:** HC\_CENTER      **Date Received:** 01/26/2022 13:52

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 09:22	01/26/2022 09:22	X
Secchi Disc	1.5	meters			1	01/26/2022 09:22	01/26/2022 09:22	X
Total Depth	2.5	meters			1	01/26/2022 09:22	01/26/2022 09:22	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53246	umhos/cm			1	01/26/2022 09:22	01/26/2022 09:22	F
DO Saturation %	77.4	%			1	01/26/2022 09:22	01/26/2022 09:22	F
Dissolved Oxygen	5.75	mg/L			1	01/26/2022 09:22	01/26/2022 09:22	F
Salinity	35.2	ppt			1	01/26/2022 09:22	01/26/2022 09:22	F
Temperature	19.5	°C			1	01/26/2022 09:22	01/26/2022 09:22	F
pH	7.85	SU			1	01/26/2022 09:22	01/26/2022 09:22	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.364	mg/L	0.2	0.12	1	02/25/2022 10:38	02/25/2022 10:38	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.364 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	1	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.012	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	3.2	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	01/27/2022 13:46	01/27/2022 13:46	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	01/27/2022 13:46	01/27/2022 13:46	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:46	01/27/2022 13:46	T





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**Workorder:** Monthly Marco (F2200378)

## Analytical Results

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**Workorder:** Monthly Marco (F2200378)

**Analytical Results**

**Lab ID:** F2200378009      **Date Collected:** 01/26/2022 09:39      **Matrix:** Water  
**Sample ID:** SWALLOW      **Date Received:** 01/26/2022 13:52

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 09:39	01/26/2022 09:39	X
Secchi Disc	1	meters			1	01/26/2022 09:39	01/26/2022 09:39	X
Total Depth	2.5	meters			1	01/26/2022 09:39	01/26/2022 09:39	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53687	umhos/cm			1	01/26/2022 09:39	01/26/2022 09:39	F
DO Saturation %	79.7	%			1	01/26/2022 09:39	01/26/2022 09:39	F
Dissolved Oxygen	5.91	mg/L			1	01/26/2022 09:39	01/26/2022 09:39	F
Salinity	35.53	ppt			1	01/26/2022 09:39	01/26/2022 09:39	F
Temperature	19.6	°C			1	01/26/2022 09:39	01/26/2022 09:39	F
pH	7.91	SU			1	01/26/2022 09:39	01/26/2022 09:39	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.288	mg/L	0.2	0.12	1	02/25/2022 13:42	02/25/2022 13:42	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.270 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.017	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	01/27/2022 13:46	01/27/2022 13:46	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	01/27/2022 13:46	01/27/2022 13:46	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:46	01/27/2022 13:46	T







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**Analytical Results**

**Lab ID:** F2200378010      **Date Collected:** 01/26/2022 10:00      **Matrix:** Water  
**Sample ID:** W\_WINTERBERRY\_BRID      **Date Received:** 01/26/2022 13:52  
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 10:00	01/26/2022 10:00	X
Secchi Disc	2	meters			1	01/26/2022 10:00	01/26/2022 10:00	X
Total Depth	2.5	meters			1	01/26/2022 10:00	01/26/2022 10:00	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	54157	umhos/cm			1	01/26/2022 10:00	01/26/2022 10:00	F
DO Saturation %	85.3	%			1	01/26/2022 10:00	01/26/2022 10:00	F
Dissolved Oxygen	6.4	mg/L			1	01/26/2022 10:00	01/26/2022 10:00	F
Salinity	35.9	ppt			1	01/26/2022 10:00	01/26/2022 10:00	F
Temperature	19	°C			1	01/26/2022 10:00	01/26/2022 10:00	F
pH	7.97	SU			1	01/26/2022 10:00	01/26/2022 10:00	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	02/25/2022 13:46	02/25/2022 13:46	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	1	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.030	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.04	mg/L	0.01	0.0060	1	01/27/2022 13:47	01/27/2022 13:47	T
Nitrate + Nitrite	0.04	mg/L	0.02	0.010	1	01/27/2022 13:47	01/27/2022 13:47	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:47	01/27/2022 13:47	T





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**Analytical Results**

<b>Lab ID:</b> F2200378011	<b>Date Collected:</b> 01/26/2022 10:14	<b>Matrix:</b> Water
<b>Sample ID:</b> E_WINTERBERRY_BRID GE	<b>Date Received:</b> 01/26/2022 13:52	

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 10:14	01/26/2022 10:14	X
Secchi Disc	2.5	meters			1	01/26/2022 10:14	01/26/2022 10:14	X
Total Depth	2.5	meters			1	01/26/2022 10:14	01/26/2022 10:14	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	54026	umhos/cm			1	01/26/2022 10:14	01/26/2022 10:14	F
DO Saturation %	88.2	%			1	01/26/2022 10:14	01/26/2022 10:14	F
Dissolved Oxygen	6.57	mg/L			1	01/26/2022 10:14	01/26/2022 10:14	F
Salinity	35.79	ppt			1	01/26/2022 10:14	01/26/2022 10:14	F
Temperature	19.3	°C			1	01/26/2022 10:14	01/26/2022 10:14	F
pH	7.95	SU			1	01/26/2022 10:14	01/26/2022 10:14	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.358	mg/L	0.2	0.12	1	02/25/2022 13:49	02/25/2022 13:49	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.329 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	1	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.036	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	01/27/2022 13:54	01/27/2022 13:54	T
Nitrate + Nitrite	0.03	mg/L	0.02	0.010	1	01/27/2022 13:54	01/27/2022 13:54	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:54	01/27/2022 13:54	T





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**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2200378012 <b>Date Collected:</b> 01/26/2022 10:28 <b>Matrix:</b> Water								
<b>Sample ID:</b> MCILVAINE <b>Date Received:</b> 01/26/2022 13:52								
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 10:28	01/26/2022 10:28	X
Secchi Disc	1	meters			1	01/26/2022 10:28	01/26/2022 10:28	X
Total Depth	2.25	meters			1	01/26/2022 10:28	01/26/2022 10:28	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	54136	umhos/cm			1	01/26/2022 10:28	01/26/2022 10:28	F
DO Saturation %	88.7	%			1	01/26/2022 10:28	01/26/2022 10:28	F
Dissolved Oxygen	6.73	mg/L			1	01/26/2022 10:28	01/26/2022 10:28	F
Salinity	35.85	ppt			1	01/26/2022 10:28	01/26/2022 10:28	F
Temperature	18.4	°C			1	01/26/2022 10:28	01/26/2022 10:28	F
pH	8.02	SU			1	01/26/2022 10:28	01/26/2022 10:28	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.371	mg/L	0.2	0.12	1	02/25/2022 13:52	02/25/2022 13:52	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.354 I	mg/L	0.5	0.20	1	01/31/2022 16:20	02/01/2022 13:48	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	3	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.033	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	01/27/2022 13:56	01/27/2022 13:56	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	01/27/2022 13:56	01/27/2022 13:56	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:56	01/27/2022 13:56	T





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**Analytical Results**

**Lab ID:** F2200378013      **Date Collected:** 01/26/2022 10:43      **Matrix:** Water  
**Sample ID:** HUMMINGBIRD      **Date Received:** 01/26/2022 13:52

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 10:43	01/26/2022 10:43	X
Secchi Disc	1.5	meters			1	01/26/2022 10:43	01/26/2022 10:43	X
Total Depth	1.5	meters			1	01/26/2022 10:43	01/26/2022 10:43	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53438	umhos/cm			1	01/26/2022 10:43	01/26/2022 10:43	F
DO Saturation %	82.7	%			1	01/26/2022 10:43	01/26/2022 10:43	F
Dissolved Oxygen	6.15	mg/L			1	01/26/2022 10:43	01/26/2022 10:43	F
Salinity	35.34	ppt			1	01/26/2022 10:43	01/26/2022 10:43	F
Temperature	19.6	°C			1	01/26/2022 10:43	01/26/2022 10:43	F
pH	7.87	SU			1	01/26/2022 10:43	01/26/2022 10:43	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.624	mg/L	0.2	0.12	1	02/25/2022 14:11	02/25/2022 14:11	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.602	mg/L	0.5	0.20	1	02/02/2022 16:50	02/03/2022 10:23	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	1	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.014	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	3.2	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	01/27/2022 13:57	01/27/2022 13:57	T
Nitrate + Nitrite	0.02	mg/L	0.02	0.010	1	01/27/2022 13:57	01/27/2022 13:57	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:57	01/27/2022 13:57	T







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**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2200378014 <b>Date Collected:</b> 01/26/2022 10:57 <b>Matrix:</b> Water								
<b>Sample ID:</b> HOLLYHOCK <b>Date Received:</b> 01/26/2022 13:52								
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	feet			1	01/26/2022 10:57	01/26/2022 10:57	X
Secchi Disc	1	meters			1	01/26/2022 10:57	01/26/2022 10:57	X
Total Depth	1.75	meters			1	01/26/2022 10:57	01/26/2022 10:57	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	54372	umhos/cm			1	01/26/2022 10:57	01/26/2022 10:57	F
DO Saturation %	86.8	%			1	01/26/2022 10:57	01/26/2022 10:57	F
Dissolved Oxygen	6.49	mg/L			1	01/26/2022 10:57	01/26/2022 10:57	F
Salinity	36.01	ppt			1	01/26/2022 10:57	01/26/2022 10:57	F
Temperature	18.8	°C			1	01/26/2022 10:57	01/26/2022 10:57	F
pH	7.94	SU			1	01/26/2022 10:57	01/26/2022 10:57	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.627	mg/L	0.2	0.12	1	02/25/2022 14:15	02/25/2022 14:15	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.593	mg/L	0.5	0.20	1	02/02/2022 16:50	02/03/2022 10:23	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.014	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.03	mg/L	0.01	0.0060	1	01/27/2022 13:58	01/27/2022 13:58	T
Nitrate + Nitrite	0.03	mg/L	0.02	0.010	1	01/27/2022 13:58	01/27/2022 13:58	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:58	01/27/2022 13:58	T





Advanced Environmental Laboratories, Inc  
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913  
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580  
Phone: (239) 674-8130  
Fax: (239) 674-8128

**FINAL**

**Workorder:** Monthly Marco (F2200378)

## Analytical Results

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**FINAL**

**Workorder:** Monthly Marco (F2200378)

**Analytical Results**

**Lab ID:** F2200378015      **Date Collected:** 01/26/2022 11:12      **Matrix:** Water  
**Sample ID:** WINDMILL      **Date Received:** 01/26/2022 13:52

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	01/26/2022 11:12	01/26/2022 11:12	X
Secchi Disc	1.5	meters			1	01/26/2022 11:12	01/26/2022 11:12	X
Total Depth	2.5	meters			1	01/26/2022 11:12	01/26/2022 11:12	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53651	umhos/cm			1	01/26/2022 11:12	01/26/2022 11:12	F
DO Saturation %	93.1	%			1	01/26/2022 11:12	01/26/2022 11:12	F
Dissolved Oxygen	6.92	mg/L			1	01/26/2022 11:12	01/26/2022 11:12	F
Salinity	35.51	ppt			1	01/26/2022 11:12	01/26/2022 11:12	F
Temperature	19.3	°C			1	01/26/2022 11:12	01/26/2022 11:12	F
pH	7.94	SU			1	01/26/2022 11:12	01/26/2022 11:12	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.317	mg/L	0.2	0.12	1	02/25/2022 14:23	02/25/2022 14:23	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.317 I	mg/L	0.5	0.20	1	02/02/2022 16:50	02/03/2022 10:23	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	0.2	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	01/27/2022 13:58	01/27/2022 13:58	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	01/27/2022 13:58	01/27/2022 13:58	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:58	01/27/2022 13:58	T





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**Workorder:** Monthly Marco (F2200378)

## Analytical Results

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**Workorder:** Monthly Marco (F2200378)

**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2200378016 <b>Date Collected:</b> 01/26/2022 11:16 <b>Matrix:</b> Water								
<b>Sample ID:</b> EQUIPMENT_BLANK <b>Date Received:</b> 01/26/2022 13:52								
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	1 U	MPN/100 mL	1	1	1	01/26/2022 15:47	01/26/2022 15:47	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.661	mg/L	0.2	0.12	1	02/25/2022 10:41	02/25/2022 10:41	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.661	mg/L	0.5	0.20	1	02/02/2022 16:50	02/03/2022 10:23	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	0.10 U	NTU	0.1	0.10	1	01/27/2022 14:10	01/27/2022 14:10	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.012	mg/L	0.01	0.005	1	02/03/2022 12:45	02/04/2022 09:42	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	01/31/2022 10:15	01/31/2022 10:15	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	01/27/2022 13:59	01/27/2022 13:59	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	01/27/2022 13:59	01/27/2022 13:59	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	01/27/2022 13:59	01/27/2022 13:59	T











**FINAL**

**Workorder:** Monthly Marco (F2200378)

**QC Results**

**QC Batch:** WCAg/5297 **Analysis Method:** SM 10200 H  
**Preparation Method:** SM 10200 H  
**Associated Lab IDs:** F2200378001, F2200378002, F2200378003, F2200378004, F2200378005, F2200378006, F2200378007, F2200378008, F2200378009, F2200378010, F2200378011, F2200378012, F2200378013, F2200378014, F2200378015, F2200378016

**Method Blank(4186889)**

Parameter	Results	Units	PQL	MDL	Lab
Pheophytin A	2.5 U	mg/m3	3.0	2.5	G

**QC Task Comments**

**Method Blank - 4186889 - 2526706**  
 filters extracted on 01/31/2022 at 8:15























**FINAL**

**Workorder:** Monthly Marco (F2200378)

**QC Cross Reference**

Lab ID	Sample ID	Prep Batch	Prep Method
<b>MICf/1591 - ENTEROLERT/ QUANTI-TRAY</b>			
F2200378001	BARFIELD_BRIDGE		
F2200378002	OLDE_MARCO		
F2200378003	JH_PARK		
F2200378004	KENDALL		
F2200378005	COLLIER_BRIDGE		
F2200378006	LANDMARK		
F2200378007	LANDMARK_DUP		
F2200378008	HC_CENTER		
F2200378009	SWALLOW		
F2200378010	W_WINTERBERRY_BRIDGE		
F2200378011	E_WINTERBERRY_BRIDGE		
F2200378012	MCILVAINE		
F2200378013	HUMMINGBIRD		
F2200378014	HOLLYHOCK		
F2200378015	WINDMILL		
F2200378016	EQUIPMENT_BLANK		
<b>WCAf/1924 - EPA 180.1</b>			
F2200378001	BARFIELD_BRIDGE		
F2200378002	OLDE_MARCO		
F2200378003	JH_PARK		
F2200378004	KENDALL		
F2200378005	COLLIER_BRIDGE		
F2200378006	LANDMARK		
F2200378007	LANDMARK_DUP		
F2200378008	HC_CENTER		
F2200378009	SWALLOW		
F2200378010	W_WINTERBERRY_BRIDGE		
F2200378011	E_WINTERBERRY_BRIDGE		
F2200378012	MCILVAINE		
F2200378013	HUMMINGBIRD		
F2200378014	HOLLYHOCK		
F2200378015	WINDMILL		
F2200378016	EQUIPMENT_BLANK		

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**Workorder:** Monthly Marco (F2200378)

**QC Cross Reference**

Lab ID	Sample ID	Prep Batch	Prep Method
<b>WCAg/5297 - SM 10200 H</b>			
F2200378001	BARFIELD_BRIDGE		
F2200378002	OLDE_MARCO		
F2200378003	JH_PARK		
F2200378004	KENDALL		
F2200378005	COLLIER_BRIDGE		
F2200378006	LANDMARK		
F2200378007	LANDMARK_DUP		
F2200378008	HC_CENTER		
F2200378009	SWALLOW		
F2200378010	W_WINTERBERRY_BRIDGE		
F2200378011	E_WINTERBERRY_BRIDGE		
F2200378012	MCILVAINE		
F2200378013	HUMMINGBIRD		
F2200378014	HOLLYHOCK		
F2200378015	WINDMILL		
F2200378016	EQUIPMENT_BLANK		

**Batch Comments**

filters extracted 1/31/22 08:15

**WCAg/5318 - EPA 351.2**

F2200378001	BARFIELD_BRIDGE	WCAg/5307	Copper Sulfate Digestion
F2200378002	OLDE_MARCO	WCAg/5307	Copper Sulfate Digestion
F2200378003	JH_PARK	WCAg/5307	Copper Sulfate Digestion
F2200378004	KENDALL	WCAg/5307	Copper Sulfate Digestion
F2200378005	COLLIER_BRIDGE	WCAg/5307	Copper Sulfate Digestion
F2200378006	LANDMARK	WCAg/5307	Copper Sulfate Digestion
F2200378007	LANDMARK_DUP	WCAg/5307	Copper Sulfate Digestion
F2200378008	HC_CENTER	WCAg/5307	Copper Sulfate Digestion
F2200378009	SWALLOW	WCAg/5307	Copper Sulfate Digestion
F2200378010	W_WINTERBERRY_BRIDGE	WCAg/5307	Copper Sulfate Digestion
F2200378011	E_WINTERBERRY_BRIDGE	WCAg/5307	Copper Sulfate Digestion
F2200378012	MCILVAINE	WCAg/5307	Copper Sulfate Digestion

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**Workorder:** Monthly Marco (F2200378)

**QC Cross Reference**

Lab ID	Sample ID	Prep Batch	Prep Method
<b>WCAg/5337 - EPA 351.2</b>			
F2200378013	HUMMINGBIRD	WCAg/5331	Copper Sulfate Digestion
F2200378014	HOLLYHOCK	WCAg/5331	Copper Sulfate Digestion
F2200378015	WINDMILL	WCAg/5331	Copper Sulfate Digestion
F2200378016	EQUIPMENT_BLANK	WCAg/5331	Copper Sulfate Digestion
<b>WCAg/5355 - EPA 365.3</b>			
F2200378001	BARFIELD_BRIDGE	WCAg/5354	EPA 365.3
F2200378002	OLDE_MARCO	WCAg/5354	EPA 365.3
F2200378003	JH_PARK	WCAg/5354	EPA 365.3
F2200378004	KENDALL	WCAg/5354	EPA 365.3
F2200378005	COLLIER_BRIDGE	WCAg/5354	EPA 365.3
F2200378006	LANDMARK	WCAg/5354	EPA 365.3
F2200378007	LANDMARK_DUP	WCAg/5354	EPA 365.3
F2200378008	HC_CENTER	WCAg/5354	EPA 365.3
F2200378009	SWALLOW	WCAg/5354	EPA 365.3
F2200378010	W_WINTERBERRY_BRIDGE	WCAg/5354	EPA 365.3
F2200378011	E_WINTERBERRY_BRIDGE	WCAg/5354	EPA 365.3
<b>WCAg/5359 - EPA 365.3</b>			
F2200378012	MCILVAINE	WCAg/5358	EPA 365.3
F2200378013	HUMMINGBIRD	WCAg/5358	EPA 365.3
F2200378014	HOLLYHOCK	WCAg/5358	EPA 365.3
F2200378015	WINDMILL	WCAg/5358	EPA 365.3
F2200378016	EQUIPMENT_BLANK	WCAg/5358	EPA 365.3
<b>WCAI/9980 - SM 4500NO3-F (Low Level)</b>			
F2200378001	BARFIELD_BRIDGE		
F2200378002	OLDE_MARCO		
F2200378003	JH_PARK		
F2200378004	KENDALL		
F2200378005	COLLIER_BRIDGE		
F2200378006	LANDMARK		
F2200378007	LANDMARK_DUP		
F2200378008	HC_CENTER		
F2200378009	SWALLOW		
F2200378010	W_WINTERBERRY_BRIDGE		





FINAL

Workorder: Monthly Marco (F2200378)

### QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCA1/9981 - SM 4500NO3-F (Low Level)			
F2200378011	E_WINTERBERRY_BRIDGE		
F2200378012	MCILVAINE		
F2200378013	HUMMINGBIRD		
F2200378014	HOLLYHOCK		
F2200378015	WINDMILL		
F2200378016	EQUIPMENT_BLANK		

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**Work Order:** F2200378  
**Client:** City of Marco Island  
**Project ID:** Monthly 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 F2200378005 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: All acceptance criteria were met.



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- Altamonte Springs: 380 Northlake Blvd., Ste. 1048, FL 32701 • 407.937.1594 • Lab ID: ES3076
- Fort Myers: 13100 Westlinks Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: ER4492
- Jacksonville: 6681 Southpoint Pkwy., FL 32216 • 904.963.9350 • Lab ID: ER574
- Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: ER1095

- Gainesville: 4565 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: ER2001
- Miramar: 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: ER2535



SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	EQUIP		MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE		
			ADAPT	Other				WIN	NO2/NO3	TKN/TP/TN
			DATE	TIME			NO2/NO3	TKN/TP/TN	Chlor-A/Turbidity	Enterococci
001	BARFIELD_BRIDGE	Grab	1/26/2012	07:52	SW	4	X	X	X	X
002	OLDE_MARCO	Grab		08:07	SW	4	X	X	X	X
003	JH_PARK	Grab		08:22	SW	4	X	X	X	X
004	KENDALL	Grab		08:34	SW	4	X	X	X	X
005	COLLIER_BRIDGE	Grab		08:50	SW	4	X	X	X	X
006	LANDMARK	Grab		09:03	SW	4	X	X	X	X
007	LANDMARK_DUP	Grab		09:15	SW	4	X	X	X	X
008	HC_CENTER	Grab		09:22	SW	4	X	X	X	X
009	SWALLOW	Grab		09:39	SW	4	X	X	X	X
010	W_WINTERBERRY_BRIDGE	Grab		10:00	SW	4	X	X	X	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

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 E: 1A  
 Temp. when received (observed) 8.6 °C Temp. when received (corrected) 8.6 °C

Relinquished by: Brian Miller Date: 1/26/2012 Time: 12:45 Received by: Brian Miller Lab Date: 1/26/2012 Time: 12:50

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



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 Jacksonville: 6681 Southpoint Pkwy., FL 32216 • 904.363.9350 • Lab ID: EB2574  
 Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 850.219.6274 • Lab ID: EB11095

Gainesville: 4955 SW 41st Blvd, FL 32608 • 352.377.2349 • Lab ID: EB2001  
 Miramar: 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: EB2535  
 Tampa: 9610 Princess Palm Ave., FL 33619 • 813.630.9616 • Lab ID: EB4589

Client Name: City of Marco Island		Project Name: MARCO		BOTTLE SIZE & TYPE		ANALYSIS REQUIRED		LABORATORY I.D. NUMBER											
Address: 50 Bald Eagle Dr. Marco Island, FL 314145		Project Number:		250 mL Plastic		NO2/NO3		011											
Phone: 239-300-1462		PO Number:		250 mL Plastic		TKN/TP/TN		012											
FAX:		FDEP Facility No.:		1L Amb Plastic		Chlor-A/Turbidity		013											
Contact: Jason Tomasesetti		FDEP Facility Addr.:		100 mL Cup		Enterococci		014											
Sampled By: P. Manard		Special Instructions:						015											
Turn Around Time: Standard X Rush								016											
AEL Profile #: 65884		ADAPT		EQUIS		Other		WIN											
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	Preservation												
			DATE	TIME			Field-Filled?	Ice	H2SO4	Ice	NaThio								
E_WINTERBERRY_BRIDGE	Grab	Grab	1/26/12	10:14	SW	4		X	X	X	X								
	MCLVAIN	Grab		10:28	SW	4		X	X	X	X								
	HUMMINGBIRD	Grab		10:43	SW	4		X	X	X	X								
	HOLLYHOCK	Grab		10:57	SW	4		X	X	X	X								
	WINDMILL	Grab		11:12	SW	4		X	X	X	X								
	EQUIPMENT_BLANK	Grab		11:16	SW	4		X	X	X	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  
 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 **ETA** °C  
 Relinquished by: Brian Miller Date: 1/26/12 Time: 12:45 Received by: Brian Miller Lab Date: 1/26/12 Time: 12:50

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



# Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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**Water Sample Parameters**

SAMPLE LOCATION	BARFIELD BRIDGE	BARFIELD BRIDGE	OLDE MARCO	OLDE MARCO	JH PARK	JH PARK	KENDALL	KENDALL
SAMPLE TIME	07:52	07:56	08:07	08:12	08:22	08:27	08:34	08:40
SAMPLE DEPTH	0.30m top	2.0	0.30m top	2.0	0.30m top	3.0	0.30m top	2.0
TOTAL DEPTH	2.5	2.5	2.5	2.5	3.5	3.5	2.5	2.5
TEMP /C	18.4	18.4	18.3	18.2	18.9	18.9	19.1	19.1
D.O. mg / L	7.34	7.37	5.87	5.93	5.59	6.01	6.63	6.08
D.O. % sat.	96.4	97.3	77.5	78.0	74.9	79.6	88.3	82.3
CONDUCTIVITY(umhos)	53,971	54,019	53,918	53,930	53,919	53,931	53,778	53,779
SALINITY ppt.	35.78	35.77	35.69	35.70	35.70	35.71	35.59	35.59
pH su.	7.90	7.93	7.99	8.00	7.91	7.91	7.92	7.93
SECCHI DEPTH	2.0	2.0	1.0	1.0	1.0	1.0	1.5	1.5

FIELD COMMENTS:				
WEATHER :	DEG F	DEG F	DEG F	DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

**Authentication**

SAMPLED BY: (PRINT) / <i>Brian Miller / AEL</i>	Sampler's Signature	<i>Brian Miller</i>	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			<i>1/26/22</i>

# Advanced Environmental Laboratories, Inc

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

Water Sample Parameters

SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP	HC CENTER	HC CENTER
SAMPLE TIME	08:50	08:54	09:03	09:08	09:15	09:17	09:22	09:25
SAMPLE DEPTH	0.30m top	2.0	0.30m top	2.0	0.30m top	2.0	0.30m top	2.0
TOTAL DEPTH	2.5	2.5	2.25	2.25	2.25	2.25	2.5	2.5
TEMP /C	19.5	19.4	19.6	19.6	19.6	19.6	19.5	19.4
D.O. mg / L	5.83	5.38	5.77	6.67	5.89	6.13	5.75	5.67
D.O. % sat.	78.4	72.3	78.3	90.6	79.6	82.2	77.4	76.2
CONDUCTIVITY(umhos)	53,383	53,428	54,058	54,052	54,054	54,053	53,246	53,408
SALINITY ppt.	35.30	35.34	35.79	35.80	35.79	35.80	35.20	35.32
pH su.	7.84	7.85	7.98	8.01	7.98	8.01	7.85	7.86
SECCHI DEPTH	1.0	1.0	2.0	2.0	2.0	2.0	1.5	1.5

FIELD COMMENTS:				
WEATHER :	DEG F	DEG F	DEG F	DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

Authentication

SAMPLED BY: (PRINT) / <i>Brian Miller / AEL</i>	Sampler's Signature <i>Brian Miller</i>	Date <i>1/26/12</i>
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES		

# Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	SWALLOW	SWALLOW	WEST WB BRIDGE	WEST WB BRIDGE	EAST WB BRIDGE	EAST WB BRIDGE	MCILVAINE	MCILVAINE
SAMPLE TIME	09:39	09:42	10:00	10:04	10:14	10:16	10:28	10:32
SAMPLE DEPTH	0.30m top	2.0	0.30m top	2.0	0.30m top	2.0	0.30m top	2.0
TOTAL DEPTH	2.5	2.5	2.5	2.5	2.5	2.5	2.25	2.25
TEMP /C	19.6	19.2	19.0	18.9	19.3	19.0	18.4	18.4
D.O. mg / L	5.91	5.89	6.40	6.34	6.57	6.29	6.73	6.10
D.O. % sat.	79.7	78.8	85.3	84.5	88.2	83.8	88.7	80.8
CONDUCTIVITY(umhos)	53,687	54,199	54,157	54,156	54,026	54,162	54,136	54,138
SALINITY ppt.	35.53	35.91	35.90	35.88	35.79	35.88	35.85	35.86
pH su.	7.91	7.97	7.97	7.98	7.95	7.97	8.02	8.02
SECCHI DEPTH	1.0	1.0	2.0	2.0	2.5	2.5	1.0	1.0

FIELD COMMENTS:				
WEATHER :	DEG F	DEG F	DEG F	DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

Authentication			
SAMPLED BY: (PRINT) /	Brian Miller / AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			

# Advanced Environmental Laboratories, Inc

Client Name:	<b>CITY OF MARCO ISLAND</b>	Site Name:	<b>MARCO ISLAND WATERWAYS</b>
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**Water Sample Parameters**

SAMPLE LOCATION	HUMMING BIRD	HUMMING BIRD	HOLLY HOCK	HOLLY HOCK	WINDMILL	WINDMILL	EQUIP BLANK	
SAMPLE TIME	10:43	10:46	10:57	11:01	11:12	11:15	11:16	
SAMPLE DEPTH	0.30m top	1.0	0.30m top	1.5	0.30m top	2.0	NA	
TOTAL DEPTH	1.5	1.5	1.75	1.75	2.5	2.5	NA	
TEMP /C	19.6	19.3	18.8	18.8	19.3	18.6	NA	
D.O. mg / L	6.15	5.26	6.49	5.74	6.92	6.31	NA	
D.O. % sat.	82.7	70.9	86.8	76.6	93.1	84.4	NA	
CONDUCTIVITY(umhos)	53,438	53,543	54,372	54,448	53,651	54,147	NA	
SALINITY ppt.	35.34	35.41	36.01	36.09	35.51	35.87	NA	
pH su.	7.87	7.88	7.94	7.96	7.94	7.96	NA	
SECCHI DEPTH	1.5	1.5	1.0	1.0	1.5	1.5	NA	

FIELD COMMENTS:								NA
WEATHER :	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	DEG F	
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	

**Authentication**

SAMPLED BY: (PRINT) / <i>Brign Miller / AEL</i>			
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES	Sampler's Signature	<i>Brign Miller</i>	Date
			<i>1/26/22</i>