



Advanced Environmental Laboratories, Inc  
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**FINAL**

**Workorder: MARCO (F2202734)**

July 11, 2022

Jeff Poteet  
City of Marco Island  
50 Bald Eagle Drive  
Marco Island, FL 34145

RE: Workorder: F2202734 MARCO

Dear Jeff Poteet:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday June 20, 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: MARCO (F2202734)**

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2202734001	BARFIELD_BRIDGE	WA	Calculation	06/20/2022 08:32	06/20/2022 12:21	1	NA
F2202734001	BARFIELD_BRIDGE	WA	DISRES	06/20/2022 08:32	06/20/2022 12:21	3	NA
F2202734001	BARFIELD_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 08:32	06/20/2022 12:21	1	NA
F2202734001	BARFIELD_BRIDGE	WA	EPA 180.1	06/20/2022 08:32	06/20/2022 12:21	1	NA
F2202734001	BARFIELD_BRIDGE	WA	EPA 351.2	06/20/2022 08:32	06/20/2022 12:21	1	NA
F2202734001	BARFIELD_BRIDGE	WA	EPA 365.3	06/20/2022 08:32	06/20/2022 12:21	1	NA
F2202734001	BARFIELD_BRIDGE	WA	Field Measurements	06/20/2022 08:32	06/20/2022 12:21	6	NA
F2202734001	BARFIELD_BRIDGE	WA	SM 10200 H	06/20/2022 08:32	06/20/2022 12:21	2	NA
F2202734001	BARFIELD_BRIDGE	WA	SM 4500NO3-F (Low Level)	06/20/2022 08:32	06/20/2022 12:21	3	NA
F2202734002	OLDE_MARCO	WA	Calculation	06/20/2022 08:42	06/20/2022 12:21	1	NA
F2202734002	OLDE_MARCO	WA	DISRES	06/20/2022 08:42	06/20/2022 12:21	3	NA
F2202734002	OLDE_MARCO	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 08:42	06/20/2022 12:21	1	NA
F2202734002	OLDE_MARCO	WA	EPA 180.1	06/20/2022 08:42	06/20/2022 12:21	1	NA
F2202734002	OLDE_MARCO	WA	EPA 351.2	06/20/2022 08:42	06/20/2022 12:21	1	NA
F2202734002	OLDE_MARCO	WA	EPA 365.3	06/20/2022 08:42	06/20/2022 12:21	1	NA
F2202734002	OLDE_MARCO	WA	Field Measurements	06/20/2022 08:42	06/20/2022 12:21	6	NA
F2202734002	OLDE_MARCO	WA	SM 10200 H	06/20/2022 08:42	06/20/2022 12:21	2	NA
F2202734002	OLDE_MARCO	WA	SM 4500NO3-F (Low Level)	06/20/2022 08:42	06/20/2022 12:21	3	NA
F2202734003	JH_PARK	WA	Calculation	06/20/2022 08:55	06/20/2022 12:21	1	NA
F2202734003	JH_PARK	WA	DISRES	06/20/2022 08:55	06/20/2022 12:21	3	NA
F2202734003	JH_PARK	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 08:55	06/20/2022 12:21	1	NA
F2202734003	JH_PARK	WA	EPA 180.1	06/20/2022 08:55	06/20/2022 12:21	1	NA
F2202734003	JH_PARK	WA	EPA 351.2	06/20/2022 08:55	06/20/2022 12:21	1	NA
F2202734003	JH_PARK	WA	EPA 365.3	06/20/2022 08:55	06/20/2022 12:21	1	NA
F2202734003	JH_PARK	WA	Field Measurements	06/20/2022 08:55	06/20/2022 12:21	6	NA
F2202734003	JH_PARK	WA	SM 10200 H	06/20/2022 08:55	06/20/2022 12:21	2	NA
F2202734003	JH_PARK	WA	SM 4500NO3-F (Low Level)	06/20/2022 08:55	06/20/2022 12:21	3	NA
F2202734004	KENDALL	WA	Calculation	06/20/2022 09:06	06/20/2022 12:21	1	NA
F2202734004	KENDALL	WA	DISRES	06/20/2022 09:06	06/20/2022 12:21	3	NA
F2202734004	KENDALL	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 09:06	06/20/2022 12:21	1	NA
F2202734004	KENDALL	WA	EPA 180.1	06/20/2022 09:06	06/20/2022 12:21	1	NA
F2202734004	KENDALL	WA	EPA 351.2	06/20/2022 09:06	06/20/2022 12:21	1	NA
F2202734004	KENDALL	WA	EPA 365.3	06/20/2022 09:06	06/20/2022 12:21	1	NA
F2202734004	KENDALL	WA	Field Measurements	06/20/2022 09:06	06/20/2022 12:21	6	NA

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**FINAL**

**Workorder: MARCO (F2202734)**

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2202734004	KENDALL	WA	SM 10200 H	06/20/2022 09:06	06/20/2022 12:21	2	NA
F2202734004	KENDALL	WA	SM 4500NO3-F (Low Level)	06/20/2022 09:06	06/20/2022 12:21	3	NA
F2202734005	COLLIER_BRIDGE	WA	Calculation	06/20/2022 09:15	06/20/2022 12:21	1	NA
F2202734005	COLLIER_BRIDGE	WA	DISRES	06/20/2022 09:15	06/20/2022 12:21	3	NA
F2202734005	COLLIER_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 09:15	06/20/2022 12:21	1	NA
F2202734005	COLLIER_BRIDGE	WA	EPA 180.1	06/20/2022 09:15	06/20/2022 12:21	1	NA
F2202734005	COLLIER_BRIDGE	WA	EPA 351.2	06/20/2022 09:15	06/20/2022 12:21	1	NA
F2202734005	COLLIER_BRIDGE	WA	EPA 365.3	06/20/2022 09:15	06/20/2022 12:21	1	NA
F2202734005	COLLIER_BRIDGE	WA	Field Measurements	06/20/2022 09:15	06/20/2022 12:21	6	NA
F2202734005	COLLIER_BRIDGE	WA	SM 10200 H	06/20/2022 09:15	06/20/2022 12:21	2	NA
F2202734005	COLLIER_BRIDGE	WA	SM 4500NO3-F (Low Level)	06/20/2022 09:15	06/20/2022 12:21	3	NA
F2202734006	LANDMARK	WA	Calculation	06/20/2022 09:27	06/20/2022 12:21	1	NA
F2202734006	LANDMARK	WA	DISRES	06/20/2022 09:27	06/20/2022 12:21	3	NA
F2202734006	LANDMARK	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 09:27	06/20/2022 12:21	1	NA
F2202734006	LANDMARK	WA	EPA 180.1	06/20/2022 09:27	06/20/2022 12:21	1	NA
F2202734006	LANDMARK	WA	EPA 351.2	06/20/2022 09:27	06/20/2022 12:21	1	NA
F2202734006	LANDMARK	WA	EPA 365.3	06/20/2022 09:27	06/20/2022 12:21	1	NA
F2202734006	LANDMARK	WA	Field Measurements	06/20/2022 09:27	06/20/2022 12:21	6	NA
F2202734006	LANDMARK	WA	SM 10200 H	06/20/2022 09:27	06/20/2022 12:21	2	NA
F2202734006	LANDMARK	WA	SM 4500NO3-F (Low Level)	06/20/2022 09:27	06/20/2022 12:21	3	NA
F2202734007	LANDMARK_DUP	WA	Calculation	06/20/2022 09:31	06/20/2022 12:21	1	NA
F2202734007	LANDMARK_DUP	WA	DISRES	06/20/2022 09:31	06/20/2022 12:21	3	NA
F2202734007	LANDMARK_DUP	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 09:31	06/20/2022 12:21	1	NA
F2202734007	LANDMARK_DUP	WA	EPA 180.1	06/20/2022 09:31	06/20/2022 12:21	1	NA
F2202734007	LANDMARK_DUP	WA	EPA 351.2	06/20/2022 09:31	06/20/2022 12:21	1	NA
F2202734007	LANDMARK_DUP	WA	EPA 365.3	06/20/2022 09:31	06/20/2022 12:21	1	NA
F2202734007	LANDMARK_DUP	WA	Field Measurements	06/20/2022 09:31	06/20/2022 12:21	6	NA
F2202734007	LANDMARK_DUP	WA	SM 10200 H	06/20/2022 09:31	06/20/2022 12:21	2	NA
F2202734007	LANDMARK_DUP	WA	SM 4500NO3-F (Low Level)	06/20/2022 09:31	06/20/2022 12:21	3	NA
F2202734008	HC_CENTER	WA	Calculation	06/20/2022 09:45	06/20/2022 12:21	1	NA
F2202734008	HC_CENTER	WA	DISRES	06/20/2022 09:45	06/20/2022 12:21	3	NA
F2202734008	HC_CENTER	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 09:45	06/20/2022 12:21	1	NA
F2202734008	HC_CENTER	WA	EPA 180.1	06/20/2022 09:45	06/20/2022 12:21	1	NA
F2202734008	HC_CENTER	WA	EPA 351.2	06/20/2022 09:45	06/20/2022 12:21	1	NA

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**FINAL**

**Workorder: MARCO (F2202734)**

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2202734008	HC_CENTER	WA	EPA 365.3	06/20/2022 09:45	06/20/2022 12:21	1	NA
F2202734008	HC_CENTER	WA	Field Measurements	06/20/2022 09:45	06/20/2022 12:21	6	NA
F2202734008	HC_CENTER	WA	SM 10200 H	06/20/2022 09:45	06/20/2022 12:21	2	NA
F2202734008	HC_CENTER	WA	SM 4500NO3-F (Low Level)	06/20/2022 09:45	06/20/2022 12:21	3	NA
F2202734009	SWALLOW	WA	Calculation	06/20/2022 10:00	06/20/2022 12:21	1	NA
F2202734009	SWALLOW	WA	DISRES	06/20/2022 10:00	06/20/2022 12:21	3	NA
F2202734009	SWALLOW	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 10:00	06/20/2022 12:21	1	NA
F2202734009	SWALLOW	WA	EPA 180.1	06/20/2022 10:00	06/20/2022 12:21	1	NA
F2202734009	SWALLOW	WA	EPA 351.2	06/20/2022 10:00	06/20/2022 12:21	1	NA
F2202734009	SWALLOW	WA	EPA 365.3	06/20/2022 10:00	06/20/2022 12:21	1	NA
F2202734009	SWALLOW	WA	Field Measurements	06/20/2022 10:00	06/20/2022 12:21	6	NA
F2202734009	SWALLOW	WA	SM 10200 H	06/20/2022 10:00	06/20/2022 12:21	2	NA
F2202734009	SWALLOW	WA	SM 4500NO3-F (Low Level)	06/20/2022 10:00	06/20/2022 12:21	3	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	Calculation	06/20/2022 10:12	06/20/2022 12:21	1	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	DISRES	06/20/2022 10:12	06/20/2022 12:21	3	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 10:12	06/20/2022 12:21	1	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	EPA 180.1	06/20/2022 10:12	06/20/2022 12:21	1	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	EPA 351.2	06/20/2022 10:12	06/20/2022 12:21	1	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	EPA 365.3	06/20/2022 10:12	06/20/2022 12:21	1	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	Field Measurements	06/20/2022 10:12	06/20/2022 12:21	6	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	SM 10200 H	06/20/2022 10:12	06/20/2022 12:21	2	NA
F2202734010	W_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	06/20/2022 10:12	06/20/2022 12:21	3	NA
F2202734011	E_WINTERBERRY_BRIDGE	WA	Calculation	06/20/2022 10:22	06/20/2022 12:21	1	NA
F2202734011	E_WINTERBERRY_BRIDGE	WA	DISRES	06/20/2022 10:22	06/20/2022 12:21	3	NA
F2202734011	E_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 10:22	06/20/2022 12:21	1	NA
F2202734011	E_WINTERBERRY_BRIDGE	WA	EPA 180.1	06/20/2022 10:22	06/20/2022 12:21	1	NA
F2202734011	E_WINTERBERRY_BRIDGE	WA	EPA 351.2	06/20/2022 10:22	06/20/2022 12:21	1	NA
F2202734011	E_WINTERBERRY_BRIDGE	WA	EPA 365.3	06/20/2022 10:22	06/20/2022 12:21	1	NA
F2202734011	E_WINTERBERRY_BRIDGE	WA	Field Measurements	06/20/2022 10:22	06/20/2022 12:21	6	NA
F2202734011	E_WINTERBERRY_BRIDGE	WA	SM 10200 H	06/20/2022 10:22	06/20/2022 12:21	2	NA

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**FINAL**

**Workorder: MARCO (F2202734)**

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2202734011	E_WINTERBERRY_BRIDG E	WA	SM 4500NO3-F (Low Level)	06/20/2022 10:22	06/20/2022 12:21	3	NA
F2202734012	MCILVAINE	WA	Calculation	06/20/2022 10:37	06/20/2022 12:21	1	NA
F2202734012	MCILVAINE	WA	DISRES	06/20/2022 10:37	06/20/2022 12:21	3	NA
F2202734012	MCILVAINE	WA	ENTEROLERT/ QUANTI- TRAY	06/20/2022 10:37	06/20/2022 12:21	1	NA
F2202734012	MCILVAINE	WA	EPA 180.1	06/20/2022 10:37	06/20/2022 12:21	1	NA
F2202734012	MCILVAINE	WA	EPA 351.2	06/20/2022 10:37	06/20/2022 12:21	1	NA
F2202734012	MCILVAINE	WA	EPA 365.3	06/20/2022 10:37	06/20/2022 12:21	1	NA
F2202734012	MCILVAINE	WA	Field Measurements	06/20/2022 10:37	06/20/2022 12:21	6	NA
F2202734012	MCILVAINE	WA	SM 10200 H	06/20/2022 10:37	06/20/2022 12:21	2	NA
F2202734012	MCILVAINE	WA	SM 4500NO3-F (Low Level)	06/20/2022 10:37	06/20/2022 12:21	3	NA
F2202734013	HUMMINGBIRD	WA	Calculation	06/20/2022 10:51	06/20/2022 12:21	1	NA
F2202734013	HUMMINGBIRD	WA	DISRES	06/20/2022 10:51	06/20/2022 12:21	3	NA
F2202734013	HUMMINGBIRD	WA	ENTEROLERT/ QUANTI- TRAY	06/20/2022 10:51	06/20/2022 12:21	1	NA
F2202734013	HUMMINGBIRD	WA	EPA 180.1	06/20/2022 10:51	06/20/2022 12:21	1	NA
F2202734013	HUMMINGBIRD	WA	EPA 351.2	06/20/2022 10:51	06/20/2022 12:21	1	NA
F2202734013	HUMMINGBIRD	WA	EPA 365.3	06/20/2022 10:51	06/20/2022 12:21	1	NA
F2202734013	HUMMINGBIRD	WA	Field Measurements	06/20/2022 10:51	06/20/2022 12:21	6	NA
F2202734013	HUMMINGBIRD	WA	SM 10200 H	06/20/2022 10:51	06/20/2022 12:21	2	NA
F2202734013	HUMMINGBIRD	WA	SM 4500NO3-F (Low Level)	06/20/2022 10:51	06/20/2022 12:21	3	NA
F2202734014	HOLLYHOCK	WA	Calculation	06/20/2022 11:05	06/20/2022 12:21	1	NA
F2202734014	HOLLYHOCK	WA	DISRES	06/20/2022 11:05	06/20/2022 12:21	3	NA
F2202734014	HOLLYHOCK	WA	ENTEROLERT/ QUANTI- TRAY	06/20/2022 11:05	06/20/2022 12:21	1	NA
F2202734014	HOLLYHOCK	WA	EPA 180.1	06/20/2022 11:05	06/20/2022 12:21	1	NA
F2202734014	HOLLYHOCK	WA	EPA 351.2	06/20/2022 11:05	06/20/2022 12:21	1	NA
F2202734014	HOLLYHOCK	WA	EPA 365.3	06/20/2022 11:05	06/20/2022 12:21	1	NA
F2202734014	HOLLYHOCK	WA	Field Measurements	06/20/2022 11:05	06/20/2022 12:21	6	NA
F2202734014	HOLLYHOCK	WA	SM 10200 H	06/20/2022 11:05	06/20/2022 12:21	2	NA
F2202734014	HOLLYHOCK	WA	SM 4500NO3-F (Low Level)	06/20/2022 11:05	06/20/2022 12:21	3	NA
F2202734015	WINDMILL	WA	Calculation	06/20/2022 11:19	06/20/2022 12:21	1	NA
F2202734015	WINDMILL	WA	DISRES	06/20/2022 11:19	06/20/2022 12:21	3	NA
F2202734015	WINDMILL	WA	ENTEROLERT/ QUANTI- TRAY	06/20/2022 11:19	06/20/2022 12:21	1	NA
F2202734015	WINDMILL	WA	EPA 180.1	06/20/2022 11:19	06/20/2022 12:21	1	NA
F2202734015	WINDMILL	WA	EPA 351.2	06/20/2022 11:19	06/20/2022 12:21	1	NA

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**FINAL**

**Workorder: MARCO (F2202734)**

**Sample Summary**

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2202734015	WINDMILL	WA	EPA 365.3	06/20/2022 11:19	06/20/2022 12:21	1	NA
F2202734015	WINDMILL	WA	Field Measurements	06/20/2022 11:19	06/20/2022 12:21	6	NA
F2202734015	WINDMILL	WA	SM 10200 H	06/20/2022 11:19	06/20/2022 12:21	2	NA
F2202734015	WINDMILL	WA	SM 4500NO3-F (Low Level)	06/20/2022 11:19	06/20/2022 12:21	3	NA
F2202734016	EQUIPMENT_BLANK	WA	Calculation	06/20/2022 11:27	06/20/2022 12:21	1	NA
F2202734016	EQUIPMENT_BLANK	WA	ENTEROLERT/ QUANTI-TRAY	06/20/2022 11:27	06/20/2022 12:21	1	NA
F2202734016	EQUIPMENT_BLANK	WA	EPA 180.1	06/20/2022 11:27	06/20/2022 12:21	1	NA
F2202734016	EQUIPMENT_BLANK	WA	EPA 351.2	06/20/2022 11:27	06/20/2022 12:21	1	NA
F2202734016	EQUIPMENT_BLANK	WA	EPA 365.3	06/20/2022 11:27	06/20/2022 12:21	1	NA
F2202734016	EQUIPMENT_BLANK	WA	SM 10200 H	06/20/2022 11:27	06/20/2022 12:21	2	NA
F2202734016	EQUIPMENT_BLANK	WA	SM 4500NO3-F (Low Level)	06/20/2022 11:27	06/20/2022 12:21	3	NA

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**FINAL**

**Workorder:** MARCO (F2202734)

## 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.

### 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:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734001      **Date Collected:** 06/20/2022 08:32      **Matrix:** Water  
**Sample ID:** BARFIELD\_BRIDGE      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 08:32	06/20/2022 08:32	X
Secchi Disc	1.5	meters			1	06/20/2022 08:32	06/20/2022 08:32	X
Total Depth	2.5	meters			1	06/20/2022 08:32	06/20/2022 08:32	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	50721	umhos/cm			1	06/20/2022 08:32	06/20/2022 08:32	F
DO Saturation %	75.1	%			1	06/20/2022 08:32	06/20/2022 08:32	F
Dissolved Oxygen	4.72	mg/L			1	06/20/2022 08:32	06/20/2022 08:32	F
Salinity	33.13	ppt			1	06/20/2022 08:32	06/20/2022 08:32	F
Temperature	30.2	°C			1	06/20/2022 08:32	06/20/2022 08:32	F
pH	8.04	SU			1	06/20/2022 08:32	06/20/2022 08:32	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	63	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.354	mg/L	0.2	0.12	1	07/11/2022 10:41	07/11/2022 10:41	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.338 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	3	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.015	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	5.6	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	06/21/2022 14:37	06/21/2022 14:37	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	06/21/2022 14:37	06/21/2022 14:37	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:37	06/21/2022 14:37	T







**FINAL**

**Workorder:** MARCO (F2202734)

## Analytical Results

### Analysis Results Comments

#### Corrected Chlorophyll A

Samples F2202734001-16 filtered on 6/21/2022 at 14:29

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**Workorder:** MARCO (F2202734)

**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2202734002 <b>Date Collected:</b> 06/20/2022 08:42 <b>Matrix:</b> Water								
<b>Sample ID:</b> OLDE_MARCO <b>Date Received:</b> 06/20/2022 12:21								
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 08:42	06/20/2022 08:42	X
Secchi Disc	1	meters			1	06/20/2022 08:42	06/20/2022 08:42	X
Total Depth	1.75	meters			1	06/20/2022 08:42	06/20/2022 08:42	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	53532	umhos/cm			1	06/20/2022 08:42	06/20/2022 08:42	F
DO Saturation %	52.7	%			1	06/20/2022 08:42	06/20/2022 08:42	F
Dissolved Oxygen	3.25	mg/L			1	06/20/2022 08:42	06/20/2022 08:42	F
Salinity	35.17	ppt			1	06/20/2022 08:42	06/20/2022 08:42	F
Temperature	30.6	°C			1	06/20/2022 08:42	06/20/2022 08:42	F
pH	8.15	SU			1	06/20/2022 08:42	06/20/2022 08:42	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	10 U	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.292	mg/L	0.2	0.12	1	07/11/2022 10:42	07/11/2022 10:42	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.292 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	3	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.007 I	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.006 I	mg/L	0.01	0.0060	1	06/21/2022 14:38	06/21/2022 14:38	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	06/21/2022 14:38	06/21/2022 14:38	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:38	06/21/2022 14:38	T





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**Workorder: MARCO (F2202734)**

## Analytical Results

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**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734003      **Date Collected:** 06/20/2022 08:55      **Matrix:** Water  
**Sample ID:** JH\_PARK      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 08:55	06/20/2022 08:55	X
Secchi Disc	1.5	meters			1	06/20/2022 08:55	06/20/2022 08:55	X
Total Depth	3.5	meters			1	06/20/2022 08:55	06/20/2022 08:55	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	49664	umhos/cm			1	06/20/2022 08:55	06/20/2022 08:55	F
DO Saturation %	61.8	%			1	06/20/2022 08:55	06/20/2022 08:55	F
Dissolved Oxygen	3.84	mg/L			1	06/20/2022 08:55	06/20/2022 08:55	F
Salinity	32.3	ppt			1	06/20/2022 08:55	06/20/2022 08:55	F
Temperature	31	°C			1	06/20/2022 08:55	06/20/2022 08:55	F
pH	8.05	SU			1	06/20/2022 08:55	06/20/2022 08:55	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	133	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.324	mg/L	0.2	0.12	1	07/11/2022 10:42	07/11/2022 10:42	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.291 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	1	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.039	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	3.2	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.03	mg/L	0.01	0.0060	1	06/21/2022 14:38	06/21/2022 14:38	T
Nitrate + Nitrite	0.03	mg/L	0.02	0.010	1	06/21/2022 14:38	06/21/2022 14:38	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:38	06/21/2022 14:38	T





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**Analytical Results**

**Lab ID:** F2202734004      **Date Collected:** 06/20/2022 09:06      **Matrix:** Water  
**Sample ID:** KENDALL      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 09:06	06/20/2022 09:06	X
Secchi Disc	1	meters			1	06/20/2022 09:06	06/20/2022 09:06	X
Total Depth	1.5	meters			1	06/20/2022 09:06	06/20/2022 09:06	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	50902	umhos/cm			1	06/20/2022 09:06	06/20/2022 09:06	F
DO Saturation %	64.1	%			1	06/20/2022 09:06	06/20/2022 09:06	F
Dissolved Oxygen	3.95	mg/L			1	06/20/2022 09:06	06/20/2022 09:06	F
Salinity	33.21	ppt			1	06/20/2022 09:06	06/20/2022 09:06	F
Temperature	31.2	°C			1	06/20/2022 09:06	06/20/2022 09:06	F
pH	8.08	SU			1	06/20/2022 09:06	06/20/2022 09:06	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	20	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.349	mg/L	0.2	0.12	1	07/11/2022 10:42	07/11/2022 10:42	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.349 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	5	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.031	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.6 I	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	06/21/2022 14:39	06/21/2022 14:39	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	06/21/2022 14:39	06/21/2022 14:39	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:39	06/21/2022 14:39	T





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**Workorder: MARCO (F2202734)**

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**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734005      **Date Collected:** 06/20/2022 09:15      **Matrix:** Water  
**Sample ID:** COLLIER\_BRIDGE      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 09:15	06/20/2022 09:15	X
Secchi Disc	2	meters			1	06/20/2022 09:15	06/20/2022 09:15	X
Total Depth	2.25	meters			1	06/20/2022 09:15	06/20/2022 09:15	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	47916	umhos/cm			1	06/20/2022 09:15	06/20/2022 09:15	F
DO Saturation %	56.7	%			1	06/20/2022 09:15	06/20/2022 09:15	F
Dissolved Oxygen	3.57	mg/L			1	06/20/2022 09:15	06/20/2022 09:15	F
Salinity	31.05	ppt			1	06/20/2022 09:15	06/20/2022 09:15	F
Temperature	30.8	°C			1	06/20/2022 09:15	06/20/2022 09:15	F
pH	8.04	SU			1	06/20/2022 09:15	06/20/2022 09:15	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	20	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	07/11/2022 10:42	07/11/2022 10:42	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	1	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.034	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	3.8	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	06/21/2022 14:40	06/21/2022 14:40	T
Nitrate + Nitrite	0.02	mg/L	0.02	0.010	1	06/21/2022 14:40	06/21/2022 14:40	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:40	06/21/2022 14:40	T







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**Workorder: MARCO (F2202734)**

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**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734006      **Date Collected:** 06/20/2022 09:27      **Matrix:** Water  
**Sample ID:** LANDMARK      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 09:27	06/20/2022 09:27	X
Secchi Disc	2	meters			1	06/20/2022 09:27	06/20/2022 09:27	X
Total Depth	2	meters			1	06/20/2022 09:27	06/20/2022 09:27	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	51333	umhos/cm			1	06/20/2022 09:27	06/20/2022 09:27	F
DO Saturation %	66.5	%			1	06/20/2022 09:27	06/20/2022 09:27	F
Dissolved Oxygen	4.13	mg/L			1	06/20/2022 09:27	06/20/2022 09:27	F
Salinity	33.55	ppt			1	06/20/2022 09:27	06/20/2022 09:27	F
Temperature	30.7	°C			1	06/20/2022 09:27	06/20/2022 09:27	F
pH	8.16	SU			1	06/20/2022 09:27	06/20/2022 09:27	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	20	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.318	mg/L	0.2	0.12	1	07/11/2022 10:43	07/11/2022 10:43	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.318 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	0.9	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.007 I	mg/L	0.01	0.0060	1	06/21/2022 14:41	06/21/2022 14:41	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	06/21/2022 14:41	06/21/2022 14:41	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:41	06/21/2022 14:41	T





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**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734007      **Date Collected:** 06/20/2022 09:31      **Matrix:** Water  
**Sample ID:** LANDMARK\_DUP      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 09:31	06/20/2022 09:31	X
Secchi Disc	2	meters			1	06/20/2022 09:31	06/20/2022 09:31	X
Total Depth	2	meters			1	06/20/2022 09:31	06/20/2022 09:31	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	51305	umhos/cm			1	06/20/2022 09:31	06/20/2022 09:31	F
DO Saturation %	65.6	%			1	06/20/2022 09:31	06/20/2022 09:31	F
Dissolved Oxygen	4.03	mg/L			1	06/20/2022 09:31	06/20/2022 09:31	F
Salinity	33.53	ppt			1	06/20/2022 09:31	06/20/2022 09:31	F
Temperature	30.8	°C			1	06/20/2022 09:31	06/20/2022 09:31	F
pH	8.17	SU			1	06/20/2022 09:31	06/20/2022 09:31	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	20	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	07/11/2022 10:43	07/11/2022 10:43	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	0.9	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	06/21/2022 14:41	06/21/2022 14:41	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	06/21/2022 14:41	06/21/2022 14:41	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:41	06/21/2022 14:41	T





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**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734008      **Date Collected:** 06/20/2022 09:45      **Matrix:** Water  
**Sample ID:** HC\_CENTER      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 09:45	06/20/2022 09:45	X
Secchi Disc	1.5	meters			1	06/20/2022 09:45	06/20/2022 09:45	X
Total Depth	1.5	meters			1	06/20/2022 09:45	06/20/2022 09:45	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	47979	umhos/cm			1	06/20/2022 09:45	06/20/2022 09:45	F
DO Saturation %	43.3	%			1	06/20/2022 09:45	06/20/2022 09:45	F
Dissolved Oxygen	2.76	mg/L			1	06/20/2022 09:45	06/20/2022 09:45	F
Salinity	31.07	ppt			1	06/20/2022 09:45	06/20/2022 09:45	F
Temperature	31.2	°C			1	06/20/2022 09:45	06/20/2022 09:45	F
pH	8.01	SU			1	06/20/2022 09:45	06/20/2022 09:45	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	120	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	07/11/2022 10:43	07/11/2022 10:43	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	1	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.094	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	4.2	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.009 I	mg/L	0.01	0.0060	1	06/21/2022 14:42	06/21/2022 14:42	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	06/21/2022 14:42	06/21/2022 14:42	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:42	06/21/2022 14:42	T





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**Workorder: MARCO (F2202734)**

## Analytical Results

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**FINAL**

**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734009      **Date Collected:** 06/20/2022 10:00      **Matrix:** Water  
**Sample ID:** SWALLOW      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 10:00	06/20/2022 10:00	X
Secchi Disc	1.5	meters			1	06/20/2022 10:00	06/20/2022 10:00	X
Total Depth	2	meters			1	06/20/2022 10:00	06/20/2022 10:00	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	49618	umhos/cm			1	06/20/2022 10:00	06/20/2022 10:00	F
DO Saturation %	47.7	%			1	06/20/2022 10:00	06/20/2022 10:00	F
Dissolved Oxygen	2.98	mg/L			1	06/20/2022 10:00	06/20/2022 10:00	F
Salinity	32.29	ppt			1	06/20/2022 10:00	06/20/2022 10:00	F
Temperature	30.8	°C			1	06/20/2022 10:00	06/20/2022 10:00	F
pH	8.05	SU			1	06/20/2022 10:00	06/20/2022 10:00	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	41	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	07/11/2022 10:43	07/11/2022 10:43	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	1	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.020	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.03	mg/L	0.01	0.0060	1	06/21/2022 14:43	06/21/2022 14:43	T
Nitrate + Nitrite	0.03	mg/L	0.02	0.010	1	06/21/2022 14:43	06/21/2022 14:43	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:43	06/21/2022 14:43	T







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**Workorder: MARCO (F2202734)**

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**Workorder:** MARCO (F2202734)

**Analytical Results**

<b>Lab ID:</b> F2202734010	<b>Date Collected:</b> 06/20/2022 10:12	<b>Matrix:</b> Water
<b>Sample ID:</b> W_WINTERBERRY_BRID GE	<b>Date Received:</b> 06/20/2022 12:21	

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 10:12	06/20/2022 10:12	X
Secchi Disc	1.5	meters			1	06/20/2022 10:12	06/20/2022 10:12	X
Total Depth	2.75	meters			1	06/20/2022 10:12	06/20/2022 10:12	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	49421	umhos/cm			1	06/20/2022 10:12	06/20/2022 10:12	F
DO Saturation %	65.5	%			1	06/20/2022 10:12	06/20/2022 10:12	F
Dissolved Oxygen	4.09	mg/L			1	06/20/2022 10:12	06/20/2022 10:12	F
Salinity	32.11	ppt			1	06/20/2022 10:12	06/20/2022 10:12	F
Temperature	30.8	°C			1	06/20/2022 10:12	06/20/2022 10:12	F
pH	8.13	SU			1	06/20/2022 10:12	06/20/2022 10:12	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	144	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.305	mg/L	0.2	0.12	1	07/11/2022 10:44	07/11/2022 10:44	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.285 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	3.2	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	06/21/2022 14:44	06/21/2022 14:44	T
Nitrate + Nitrite	0.02	mg/L	0.02	0.010	1	06/21/2022 14:44	06/21/2022 14:44	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:44	06/21/2022 14:44	T





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**Workorder: MARCO (F2202734)**

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**FINAL**

**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734011      **Date Collected:** 06/20/2022 10:22      **Matrix:** Water  
**Sample ID:** E\_WINTERBERRY\_BRID      **Date Received:** 06/20/2022 12:21  
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 10:22	06/20/2022 10:22	X
Secchi Disc	1	meters			1	06/20/2022 10:22	06/20/2022 10:22	X
Total Depth	2	meters			1	06/20/2022 10:22	06/20/2022 10:22	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	50725	umhos/cm			1	06/20/2022 10:22	06/20/2022 10:22	F
DO Saturation %	59.4	%			1	06/20/2022 10:22	06/20/2022 10:22	F
Dissolved Oxygen	3.67	mg/L			1	06/20/2022 10:22	06/20/2022 10:22	F
Salinity	33.04	ppt			1	06/20/2022 10:22	06/20/2022 10:22	F
Temperature	30.8	°C			1	06/20/2022 10:22	06/20/2022 10:22	F
pH	8.11	SU			1	06/20/2022 10:22	06/20/2022 10:22	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	695	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.418	mg/L	0.2	0.12	1	07/11/2022 10:44	07/11/2022 10:44	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.400 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	5	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.028	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	06/21/2022 14:53	06/21/2022 14:53	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	06/21/2022 14:53	06/21/2022 14:53	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:53	06/21/2022 14:53	T





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**Workorder: MARCO (F2202734)**

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**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734012      **Date Collected:** 06/20/2022 10:37      **Matrix:** Water  
**Sample ID:** MCILVAINE      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 10:37	06/20/2022 10:37	X
Secchi Disc	1.5	meters			1	06/20/2022 10:37	06/20/2022 10:37	X
Total Depth	2	meters			1	06/20/2022 10:37	06/20/2022 10:37	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	52523	umhos/cm			1	06/20/2022 10:37	06/20/2022 10:37	F
DO Saturation %	63.9	%			1	06/20/2022 10:37	06/20/2022 10:37	F
Dissolved Oxygen	3.95	mg/L			1	06/20/2022 10:37	06/20/2022 10:37	F
Salinity	34.43	ppt			1	06/20/2022 10:37	06/20/2022 10:37	F
Temperature	30.6	°C			1	06/20/2022 10:37	06/20/2022 10:37	F
pH	8.17	SU			1	06/20/2022 10:37	06/20/2022 10:37	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	683	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	07/11/2022 10:48	07/11/2022 10:48	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.020	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	06/21/2022 14:55	06/21/2022 14:55	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	06/21/2022 14:55	06/21/2022 14:55	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:55	06/21/2022 14:55	T





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**Workorder: MARCO (F2202734)**

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**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734013      **Date Collected:** 06/20/2022 10:51      **Matrix:** Water  
**Sample ID:** HUMMINGBIRD      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 10:51	06/20/2022 10:51	X
Secchi Disc	1	meters			1	06/20/2022 10:51	06/20/2022 10:51	X
Total Depth	1.5	meters			1	06/20/2022 10:51	06/20/2022 10:51	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	47597	umhos/cm			1	06/20/2022 10:51	06/20/2022 10:51	F
DO Saturation %	67.3	%			1	06/20/2022 10:51	06/20/2022 10:51	F
Dissolved Oxygen	4.21	mg/L			1	06/20/2022 10:51	06/20/2022 10:51	F
Salinity	30.75	ppt			1	06/20/2022 10:51	06/20/2022 10:51	F
Temperature	31	°C			1	06/20/2022 10:51	06/20/2022 10:51	F
pH	8.17	SU			1	06/20/2022 10:51	06/20/2022 10:51	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	717	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.316	mg/L	0.2	0.12	1	07/11/2022 10:48	07/11/2022 10:48	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.299 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	4	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.036	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	3.7	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	06/21/2022 14:56	06/21/2022 14:56	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	06/21/2022 14:56	06/21/2022 14:56	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:56	06/21/2022 14:56	T







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**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734014      **Date Collected:** 06/20/2022 11:05      **Matrix:** Water  
**Sample ID:** HOLLYHOCK      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 11:05	06/20/2022 11:05	X
Secchi Disc	1	meters			1	06/20/2022 11:05	06/20/2022 11:05	X
Total Depth	1.5	meters			1	06/20/2022 11:05	06/20/2022 11:05	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	50668	umhos/cm			1	06/20/2022 11:05	06/20/2022 11:05	F
DO Saturation %	44.1	%			1	06/20/2022 11:05	06/20/2022 11:05	F
Dissolved Oxygen	2.72	mg/L			1	06/20/2022 11:05	06/20/2022 11:05	F
Salinity	33.03	ppt			1	06/20/2022 11:05	06/20/2022 11:05	F
Temperature	31.2	°C			1	06/20/2022 11:05	06/20/2022 11:05	F
pH	8.02	SU			1	06/20/2022 11:05	06/20/2022 11:05	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	794	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.500	mg/L	0.2	0.12	1	07/11/2022 10:48	07/11/2022 10:48	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.457 I	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.039	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.04	mg/L	0.01	0.0060	1	06/21/2022 14:56	06/21/2022 14:56	T
Nitrate + Nitrite	0.04	mg/L	0.02	0.010	1	06/21/2022 14:56	06/21/2022 14:56	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:56	06/21/2022 14:56	T





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**FINAL**

**Workorder: MARCO (F2202734)**

## Analytical Results

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**FINAL**

**Workorder:** MARCO (F2202734)

**Analytical Results**

**Lab ID:** F2202734015      **Date Collected:** 06/20/2022 11:19      **Matrix:** Water  
**Sample ID:** WINDMILL      **Date Received:** 06/20/2022 12:21

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>FIELD PARAMETERS (DISRES)</b>								
Sample Depth	0.3	meters			1	06/20/2022 11:19	06/20/2022 11:19	X
Secchi Disc	1	meters			1	06/20/2022 11:19	06/20/2022 11:19	X
Total Depth	2.5	meters			1	06/20/2022 11:19	06/20/2022 11:19	X
<b>FIELD PARAMETERS (Field Measurements)</b>								
Conductivity	47166	umhos/cm			1	06/20/2022 11:19	06/20/2022 11:19	F
DO Saturation %	83.3	%			1	06/20/2022 11:19	06/20/2022 11:19	F
Dissolved Oxygen	5.26	mg/L			1	06/20/2022 11:19	06/20/2022 11:19	F
Salinity	30.52	ppt			1	06/20/2022 11:19	06/20/2022 11:19	F
Temperature	31.1	°C			1	06/20/2022 11:19	06/20/2022 11:19	F
pH	8.14	SU			1	06/20/2022 11:19	06/20/2022 11:19	F
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	187	MPN/100 mL	10	10	10	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	07/11/2022 10:49	07/11/2022 10:49	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	2	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.012	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	06/21/2022 14:57	06/21/2022 14:57	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	06/21/2022 14:57	06/21/2022 14:57	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:57	06/21/2022 14:57	T





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**Workorder: MARCO (F2202734)**

## Analytical Results

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**FINAL**

**Workorder:** MARCO (F2202734)

**Analytical Results**

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
<b>Lab ID:</b> F2202734016 <b>Date Collected:</b> 06/20/2022 11:27 <b>Matrix:</b> Water								
<b>Sample ID:</b> EQUIPMENT_BLANK <b>Date Received:</b> 06/20/2022 12:21								
<b>Microbiology (ENTEROLERT/ QUANTI-TRAY)</b>								
Enterococcus	1 U	MPN/100 mL	1	1	1	06/20/2022 15:44	06/20/2022 15:44	F
<b>WET CHEMISTRY (Calculation)</b>								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	07/11/2022 10:49	07/11/2022 10:49	T
<b>WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)</b>								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	06/27/2022 16:00	06/28/2022 10:11	G
<b>WET CHEMISTRY (EPA 180.1)</b>								
Turbidity	0.10 U	NTU	0.1	0.10	1	06/20/2022 17:45	06/20/2022 17:45	F
<b>WET CHEMISTRY (EPA 365.3)</b>								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	06/27/2022 10:15	06/28/2022 11:00	G
<b>WET CHEMISTRY (SM 10200 H)</b>								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	06/27/2022 13:00	06/27/2022 13:00	G
<b>WET CHEMISTRY (SM 4500NO3-F (Low Level))</b>								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	06/21/2022 14:58	06/21/2022 14:58	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	06/21/2022 14:58	06/21/2022 14:58	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	06/21/2022 14:58	06/21/2022 14:58	T





















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**Workorder:** MARCO (F2202734)

**QC Results**

**QC Batch:** WCAg/7035  
**Preparation Method:** Copper Sulfate Digestion  
**Associated Lab IDs:** F2202734015, F2202734016

**Analysis Method:** EPA 365.4

**Method Blank(4370397)**

Parameter	Results	Units	PQL	MDL	Lab
Total Phosphorus (as P)	0.50 U	mg/L	1.0	0.50	G











**FINAL**

**Workorder: MARCO (F2202734)**

**QC Cross Reference**

Lab ID	Sample ID	Prep Batch	Prep Method
<b>MICf/1806 - ENTEROLERT/ QUANTI-TRAY</b>			
F2202734001	BARFIELD_BRIDGE		
F2202734002	OLDE_MARCO		
F2202734003	JH_PARK		
F2202734004	KENDALL		
F2202734005	COLLIER_BRIDGE		
F2202734006	LANDMARK		
F2202734007	LANDMARK_DUP		
F2202734008	HC_CENTER		
F2202734009	SWALLOW		
F2202734010	W_WINTERBERRY_BRIDGE		
F2202734011	E_WINTERBERRY_BRIDGE		
F2202734012	MCILVAINE		
F2202734013	HUMMINGBIRD		
F2202734014	HOLLYHOCK		
F2202734015	WINDMILL		
F2202734016	EQUIPMENT_BLANK		
<b>WCAf/2340 - EPA 180.1</b>			
F2202734001	BARFIELD_BRIDGE		
F2202734002	OLDE_MARCO		
F2202734003	JH_PARK		
F2202734004	KENDALL		
F2202734005	COLLIER_BRIDGE		
F2202734006	LANDMARK		
F2202734007	LANDMARK_DUP		
F2202734008	HC_CENTER		
F2202734009	SWALLOW		
F2202734010	W_WINTERBERRY_BRIDGE		
F2202734011	E_WINTERBERRY_BRIDGE		
F2202734012	MCILVAINE		
F2202734013	HUMMINGBIRD		
F2202734014	HOLLYHOCK		
F2202734015	WINDMILL		
F2202734016	EQUIPMENT_BLANK		





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**Workorder: MARCO (F2202734)**

**QC Cross Reference**

Lab ID	Sample ID	Prep Batch	Prep Method
<b>WCAg/7006 - SM 10200 H</b>			
F2202734001	BARFIELD_BRIDGE		
F2202734002	OLDE_MARCO		
F2202734003	JH_PARK		
F2202734004	KENDALL		
F2202734005	COLLIER_BRIDGE		
F2202734006	LANDMARK		
F2202734007	LANDMARK_DUP		
F2202734008	HC_CENTER		
F2202734009	SWALLOW		
F2202734010	W_WINTERBERRY_BRIDGE		
F2202734011	E_WINTERBERRY_BRIDGE		
F2202734012	MCILVAINE		
F2202734013	HUMMINGBIRD		
F2202734014	HOLLYHOCK		
F2202734015	WINDMILL		
F2202734016	EQUIPMENT_BLANK		
<b>WCAg/7013 - EPA 365.3</b>			
F2202734001	BARFIELD_BRIDGE	WCAg/7000	EPA 365.3
F2202734002	OLDE_MARCO	WCAg/7000	EPA 365.3
F2202734003	JH_PARK	WCAg/7000	EPA 365.3
F2202734004	KENDALL	WCAg/7000	EPA 365.3
F2202734005	COLLIER_BRIDGE	WCAg/7000	EPA 365.3
F2202734006	LANDMARK	WCAg/7000	EPA 365.3
F2202734007	LANDMARK_DUP	WCAg/7000	EPA 365.3
F2202734008	HC_CENTER	WCAg/7000	EPA 365.3
F2202734009	SWALLOW	WCAg/7000	EPA 365.3
F2202734010	W_WINTERBERRY_BRIDGE	WCAg/7000	EPA 365.3
F2202734011	E_WINTERBERRY_BRIDGE	WCAg/7000	EPA 365.3
F2202734012	MCILVAINE	WCAg/7000	EPA 365.3
F2202734013	HUMMINGBIRD	WCAg/7000	EPA 365.3
F2202734014	HOLLYHOCK	WCAg/7000	EPA 365.3
F2202734015	WINDMILL	WCAg/7000	EPA 365.3
F2202734016	EQUIPMENT_BLANK	WCAg/7000	EPA 365.3

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**Workorder: MARCO (F2202734)**

**QC Cross Reference**

Lab ID	Sample ID	Prep Batch	Prep Method
<b>WCAg/7032 - EPA 351.2</b>			
F2202734001	BARFIELD_BRIDGE	WCAg/7025	Copper Sulfate Digestion
F2202734002	OLDE_MARCO	WCAg/7025	Copper Sulfate Digestion
F2202734003	JH_PARK	WCAg/7025	Copper Sulfate Digestion
F2202734004	KENDALL	WCAg/7025	Copper Sulfate Digestion
F2202734005	COLLIER_BRIDGE	WCAg/7025	Copper Sulfate Digestion
F2202734006	LANDMARK	WCAg/7025	Copper Sulfate Digestion
F2202734007	LANDMARK_DUP	WCAg/7025	Copper Sulfate Digestion
F2202734008	HC_CENTER	WCAg/7025	Copper Sulfate Digestion
F2202734009	SWALLOW	WCAg/7025	Copper Sulfate Digestion
F2202734010	W_WINTERBERRY_BRIDGE	WCAg/7025	Copper Sulfate Digestion
F2202734011	E_WINTERBERRY_BRIDGE	WCAg/7025	Copper Sulfate Digestion
F2202734012	MCILVAINE	WCAg/7025	Copper Sulfate Digestion
F2202734013	HUMMINGBIRD	WCAg/7025	Copper Sulfate Digestion
F2202734014	HOLLYHOCK	WCAg/7025	Copper Sulfate Digestion
<b>WCAg/7034 - EPA 351.2</b>			
F2202734015	WINDMILL	WCAg/7026	Copper Sulfate Digestion
F2202734016	EQUIPMENT_BLANK	WCAg/7026	Copper Sulfate Digestion
<b>WCA/12995 - SM 4500NO3-F (Low Level)</b>			
F2202734001	BARFIELD_BRIDGE		
F2202734002	OLDE_MARCO		
F2202734003	JH_PARK		
F2202734004	KENDALL		
F2202734005	COLLIER_BRIDGE		
F2202734006	LANDMARK		
F2202734007	LANDMARK_DUP		
F2202734008	HC_CENTER		
F2202734009	SWALLOW		
F2202734010	W_WINTERBERRY_BRIDGE		





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Workorder: MARCO (F2202734)

### QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCA#12996 - SM 4500NO3-F (Low Level)			
F2202734011	E_WINTERBERRY_BRIDGE		
F2202734012	MCILVAINE		
F2202734013	HUMMINGBIRD		
F2202734014	HOLLYHOCK		
F2202734015	WINDMILL		
F2202734016	EQUIPMENT_BLANK		

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Workorder: MARCO (F2202734)



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 Tallahassee: 2639 North Monroe St., Suite D, Ft. 32303 • 850.219.8274 • Lab ID: E811095  
 Jacksonville: 6681 Southport Pkwy., Ft. 32216 • 904.323.9350 • Lab ID: E82574  
 Fort Myers: 13100 Westlinks Terrace, Ste. 10, Ft. 33913 • 239.674.8130 • Lab ID: E84492  
 Altamonte Springs: 380 Northlake Blvd., Ste. 104B, Ft. 32701 • 407.337.1594 • Lab ID: E83076

Page 1 of 2  
 Gainesville: 4865 SW 41st Blvd., Ft. 32608 • 352.377.2349 • Lab ID: E82001  
 Miramar: 10200 USA Today Way, Ft. 32025 • 954.889.2288 • Lab ID: E82335  
 Tampa: 8610 Princess Palm Ave., Ft. 33619 • 813.800.8616 • Lab ID: E84599

Client Name: City of Marco Island		Project Name: MARCO	
Address: 50 Bald Eagle Dr. Marco Island, FL 314145		Project Number: PO Number:	
Phone: 239-300-1462		FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact: Jason Tomasesetti		Special Instructions:	
Sampled By: P. Manard		ADAPT	
Turn Around Time: Standard X Rush		EQUIS	
AEL Profile #: 65894		Other	
SAMPLE ID		SAMPLE DESCRIPTION	
Grab Comp		DATE	
TIME		MTRIX	
COUNT		NO.	
NO2/NO3		TKN/TP/TN	
Chlor-A/Turbidity		Enterococci	
BOTTLE SIZE & TYPE		LABORATORY I.D. NUMBER	
250 mL Plastic		001	
250 mL Plastic		002	
1L Amb Plastic		003	
100 mL Cup		004	
		005	
		006	
		007	
		008	
		009	
		010	

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge  
 Received on Ice Yes No Temp taken from sample Temp from Blank Where required, pH checked  
 DCCN: 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: IV  
 Relinquished by: Date Time Received by: Date Time  
 FOR DRINKING WATER USE:  
 (When PWS information not otherwise supplied) PWS ID:  
 Contact Person:  
 Supplier of Water:  
 Site Address:







# Advanced Environmental Laboratories, Inc


<b>Client Name:</b>	<b>CITY OF MARCO ISLAND</b>	<b>Site Name:</b>	<b>MARCO ISLAND WATERWAYS</b>
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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	08:32	08:36	08:42	08:46	08:55	08:59	09:06	09:10
SAMPLE DEPTH	0.30m top	2.0	0.30m top	1.25	0.30m top	3.0	0.30m top	1.0
TOTAL DEPTH	2.5	2.5	1.75	1.75	3.5	3.5	1.5	1.5
TEMP /C	30.2	30.8	30.6	30.7	31.0	31.2	31.2	31.2
D.O. mg / L	4.72	4.58	3.25	3.13	3.84	3.70	3.95	3.56
D.O. % sat.	75.1	74.0	52.7	51.1	61.8	59.8	64.1	57.5
CONDUCTIVITY(umhos)	50,721	52,429	53,532	53,650	49,664	50,771	50,902	50,911
SALINITY ppt.	33.13	34.36	35.17	35.25	32.30	33.12	33.21	33.22
pH su.	8.04	8.07	8.15	8.14	8.05	8.06	8.08	8.06
SECCHI DEPTH	1.5	1.5	1.0	1.0	1.5	1.5	1.0	1.0

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

**Authentication**

<b>SAMPLED BY: (PRINT) /</b>	<b>BM / AEL</b>	<b>Sampler's Signature</b>		<b>Date</b>
<b>AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES</b>				<b>6/20/22</b>

# Advanced Environmental Laboratories, Inc


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

SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP	HC CENTER	HC CENTER
<b>SAMPLE TIME</b>	09:15	09:19	09:27	09:30	09:31	09:33	09:45	09:48
<b>SAMPLE DEPTH</b>	0.30m top	2.0	0.30m top	1.5	0.30m top	1.5	0.30m top	1.0
<b>TOTAL DEPTH</b>	2.25	2.25	2.0	2.0	2.0	2.0	1.5	1.5
<b>TEMP /C</b>	30.8	32.0	30.7	31.7	30.8	31.7	31.2	31.8
<b>D.O. mg / L</b>	3.57	1.98	4.13	3.24	4.03	3.12	2.70	2.67
<b>D.O. % sat.</b>	56.7	32.3	66.5	53.5	65.6	51.5	43.3	42.9
<b>CONDUCTIVITY(umhos)</b>	47,916	50,076	51,333	52,808	51,305	52,819	47,979	48,924
<b>SALINITY ppt.</b>	31.05	32.57	33.55	34.60	33.53	34.63	31.07	31.74
<b>pH su.</b>	8.04	7.93	8.16	8.13	8.17	8.11	8.01	7.98
<b>SECCHI DEPTH</b>	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5

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

**Authentication**

<b>SAMPLED BY: (PRINT) /</b>	<b>BM / AEL</b>	<b>Sampler's Signature</b>	
<b>AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES</b>		<b>Date</b>	<b>6/20/22</b>



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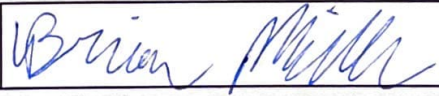
Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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**Water Sample Parameters**

SAMPLE LOCATION	SWALLOW	SWALLOW	WEST WB BRIDGE	WEST WB BRIDGE	EAST WB BRIDGE	EAST WB BRIDGE	MCILVAINE	MCILVAINE
SAMPLE TIME	10:00	10:03	10:12	10:15	10:22	10:26	10:37	10:40
SAMPLE DEPTH	0.30m top	1.5	0.30m top	2.25	0.30m top	1.5	0.30m top	1.5
TOTAL DEPTH	2.0	2.0	2.75	2.75	2.0	2.0	2.0	2.0
TEMP /C	30.8	31.7	30.8	31.2	30.8	31.1	30.6	30.8
D.O. mg / L	2.98	2.32	4.09	3.32	3.67	2.85	3.95	2.73
D.O. % sat.	47.7	38.2	65.5	54.0	59.4	46.8	63.9	44.6
CONDUCTIVITY(umhos)	49,618	53,892	49,421	52,885	50,725	53,378	52,523	54,192
SALINITY ppt.	32.29	35.40	32.11	34.67	33.04	35.05	34.43	35.66
pH su.	8.05	8.12	8.13	8.10	8.11	8.08	8.17	8.14
SECCHI DEPTH	1.5	1.5	1.5	1.5	1.0	1.0	1.5	1.5

<b>FIELD COMMENTS:</b>				
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) /	BM / AEL	Sampler's Signature		Date	6/20/22
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	10:51	10:54	11:05	11:09	11:19	11:22	11:27
SAMPLE DEPTH	0.30m top	1.0	0.30m top	1.0	0.30m top	2.0	NA
TOTAL DEPTH	1.5	1.5	1.5	1.5	2.5	2.5	NA
TEMP /C	31.0	31.9	31.2	31.1	31.1	31.0	NA
D.O. mg / L	4.21	3.10	2.72	2.54	5.26	3.93	NA
D.O. % sat.	67.3	50.6	44.1	41.4	83.3	63.6	NA
CONDUCTIVITY(umhos)	47,597	50,324	50,668	51,860	47,166	51,079	NA
SALINITY ppt.	30.75	32.76	33.03	33.92	30.52	33.34	NA
pH su.	8.17	8.07	8.02	8.03	8.14	8.12	NA
SECCHI DEPTH	1.0	1.0	1.0	1.0	1.0	1.0	NA

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

Authentication			
<b>SAMPLED BY: (PRINT) /</b>	<b>BM / AEL</b>	<b>Sampler's Signature</b>	
<b>AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES</b>			<b>Date</b> 6/20/22