



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: Marco (F2204482)

October 17, 2022

Storm Gewirtz
City of Marco Island
50 Bald Eagle Drive
Marco Island, FL 34145

RE: Workorder: F2204482 Marco

Dear Storm Gewirtz:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday September 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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Workorder: Marco (F2204482)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2204482001	BARFIELD_BRIDGE	WA	Calculation	09/20/2022 08:26	09/20/2022 12:05	1	NA
F2204482001	BARFIELD_BRIDGE	WA	DISRES	09/20/2022 08:26	09/20/2022 12:05	3	NA
F2204482001	BARFIELD_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 08:26	09/20/2022 12:05	1	NA
F2204482001	BARFIELD_BRIDGE	WA	EPA 180.1	09/20/2022 08:26	09/20/2022 12:05	1	NA
F2204482001	BARFIELD_BRIDGE	WA	EPA 351.2	09/20/2022 08:26	09/20/2022 12:05	1	NA
F2204482001	BARFIELD_BRIDGE	WA	EPA 365.3	09/20/2022 08:26	09/20/2022 12:05	1	NA
F2204482001	BARFIELD_BRIDGE	WA	Field Measurements	09/20/2022 08:26	09/20/2022 12:05	6	NA
F2204482001	BARFIELD_BRIDGE	WA	SM 10200 H	09/20/2022 08:26	09/20/2022 12:05	2	NA
F2204482001	BARFIELD_BRIDGE	WA	SM 4500NO3-F (Low Level)	09/20/2022 08:26	09/20/2022 12:05	3	NA
F2204482002	OLDE_MARCO	WA	Calculation	09/20/2022 08:35	09/20/2022 12:05	1	NA
F2204482002	OLDE_MARCO	WA	DISRES	09/20/2022 08:35	09/20/2022 12:05	3	NA
F2204482002	OLDE_MARCO	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 08:35	09/20/2022 12:05	1	NA
F2204482002	OLDE_MARCO	WA	EPA 180.1	09/20/2022 08:35	09/20/2022 12:05	1	NA
F2204482002	OLDE_MARCO	WA	EPA 351.2	09/20/2022 08:35	09/20/2022 12:05	1	NA
F2204482002	OLDE_MARCO	WA	EPA 365.3	09/20/2022 08:35	09/20/2022 12:05	1	NA
F2204482002	OLDE_MARCO	WA	Field Measurements	09/20/2022 08:35	09/20/2022 12:05	6	NA
F2204482002	OLDE_MARCO	WA	SM 10200 H	09/20/2022 08:35	09/20/2022 12:05	2	NA
F2204482002	OLDE_MARCO	WA	SM 4500NO3-F (Low Level)	09/20/2022 08:35	09/20/2022 12:05	3	NA
F2204482003	JH_PARK	WA	Calculation	09/20/2022 08:47	09/20/2022 12:05	1	NA
F2204482003	JH_PARK	WA	DISRES	09/20/2022 08:47	09/20/2022 12:05	3	NA
F2204482003	JH_PARK	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 08:47	09/20/2022 12:05	1	NA
F2204482003	JH_PARK	WA	EPA 180.1	09/20/2022 08:47	09/20/2022 12:05	1	NA
F2204482003	JH_PARK	WA	EPA 351.2	09/20/2022 08:47	09/20/2022 12:05	1	NA
F2204482003	JH_PARK	WA	EPA 365.3	09/20/2022 08:47	09/20/2022 12:05	1	NA
F2204482003	JH_PARK	WA	Field Measurements	09/20/2022 08:47	09/20/2022 12:05	6	NA
F2204482003	JH_PARK	WA	SM 10200 H	09/20/2022 08:47	09/20/2022 12:05	2	NA
F2204482003	JH_PARK	WA	SM 4500NO3-F (Low Level)	09/20/2022 08:47	09/20/2022 12:05	3	NA
F2204482004	KENDALL	WA	Calculation	09/20/2022 08:56	09/20/2022 12:05	1	NA
F2204482004	KENDALL	WA	DISRES	09/20/2022 08:56	09/20/2022 12:05	3	NA
F2204482004	KENDALL	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 08:56	09/20/2022 12:05	1	NA
F2204482004	KENDALL	WA	EPA 180.1	09/20/2022 08:56	09/20/2022 12:05	1	NA
F2204482004	KENDALL	WA	EPA 351.2	09/20/2022 08:56	09/20/2022 12:05	1	NA
F2204482004	KENDALL	WA	EPA 365.3	09/20/2022 08:56	09/20/2022 12:05	1	NA
F2204482004	KENDALL	WA	Field Measurements	09/20/2022 08:56	09/20/2022 12:05	6	NA

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Workorder: Marco (F2204482)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2204482004	KENDALL	WA	SM 10200 H	09/20/2022 08:56	09/20/2022 12:05	2	NA
F2204482004	KENDALL	WA	SM 4500NO3-F (Low Level)	09/20/2022 08:56	09/20/2022 12:05	3	NA
F2204482005	COLLIER_BRIDGE	WA	Calculation	09/20/2022 09:06	09/20/2022 12:05	1	NA
F2204482005	COLLIER_BRIDGE	WA	DISRES	09/20/2022 09:06	09/20/2022 12:05	3	NA
F2204482005	COLLIER_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 09:06	09/20/2022 12:05	1	NA
F2204482005	COLLIER_BRIDGE	WA	EPA 180.1	09/20/2022 09:06	09/20/2022 12:05	1	NA
F2204482005	COLLIER_BRIDGE	WA	EPA 351.2	09/20/2022 09:06	09/20/2022 12:05	1	NA
F2204482005	COLLIER_BRIDGE	WA	EPA 365.3	09/20/2022 09:06	09/20/2022 12:05	1	NA
F2204482005	COLLIER_BRIDGE	WA	Field Measurements	09/20/2022 09:06	09/20/2022 12:05	6	NA
F2204482005	COLLIER_BRIDGE	WA	SM 10200 H	09/20/2022 09:06	09/20/2022 12:05	2	NA
F2204482005	COLLIER_BRIDGE	WA	SM 4500NO3-F (Low Level)	09/20/2022 09:06	09/20/2022 12:05	3	NA
F2204482006	LANDMARK	WA	Calculation	09/20/2022 09:16	09/20/2022 12:05	1	NA
F2204482006	LANDMARK	WA	DISRES	09/20/2022 09:16	09/20/2022 12:05	3	NA
F2204482006	LANDMARK	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 09:16	09/20/2022 12:05	1	NA
F2204482006	LANDMARK	WA	EPA 180.1	09/20/2022 09:16	09/20/2022 12:05	1	NA
F2204482006	LANDMARK	WA	EPA 351.2	09/20/2022 09:16	09/20/2022 12:05	1	NA
F2204482006	LANDMARK	WA	EPA 365.3	09/20/2022 09:16	09/20/2022 12:05	1	NA
F2204482006	LANDMARK	WA	Field Measurements	09/20/2022 09:16	09/20/2022 12:05	6	NA
F2204482006	LANDMARK	WA	SM 10200 H	09/20/2022 09:16	09/20/2022 12:05	2	NA
F2204482006	LANDMARK	WA	SM 4500NO3-F (Low Level)	09/20/2022 09:16	09/20/2022 12:05	3	NA
F2204482007	LANDMARK_DUP	WA	Calculation	09/20/2022 09:21	09/20/2022 12:05	1	NA
F2204482007	LANDMARK_DUP	WA	DISRES	09/20/2022 09:21	09/20/2022 12:05	3	NA
F2204482007	LANDMARK_DUP	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 09:21	09/20/2022 12:05	1	NA
F2204482007	LANDMARK_DUP	WA	EPA 180.1	09/20/2022 09:21	09/20/2022 12:05	1	NA
F2204482007	LANDMARK_DUP	WA	EPA 351.2	09/20/2022 09:21	09/20/2022 12:05	1	NA
F2204482007	LANDMARK_DUP	WA	EPA 365.3	09/20/2022 09:21	09/20/2022 12:05	1	NA
F2204482007	LANDMARK_DUP	WA	Field Measurements	09/20/2022 09:21	09/20/2022 12:05	6	NA
F2204482007	LANDMARK_DUP	WA	SM 10200 H	09/20/2022 09:21	09/20/2022 12:05	2	NA
F2204482007	LANDMARK_DUP	WA	SM 4500NO3-F (Low Level)	09/20/2022 09:21	09/20/2022 12:05	3	NA
F2204482008	HC_CENTER	WA	Calculation	09/20/2022 09:30	09/20/2022 12:05	1	NA
F2204482008	HC_CENTER	WA	DISRES	09/20/2022 09:30	09/20/2022 12:05	3	NA
F2204482008	HC_CENTER	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 09:30	09/20/2022 12:05	1	NA
F2204482008	HC_CENTER	WA	EPA 180.1	09/20/2022 09:30	09/20/2022 12:05	1	NA
F2204482008	HC_CENTER	WA	EPA 351.2	09/20/2022 09:30	09/20/2022 12:05	1	NA

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Workorder: Marco (F2204482)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2204482008	HC_CENTER	WA	EPA 365.3	09/20/2022 09:30	09/20/2022 12:05	1	NA
F2204482008	HC_CENTER	WA	Field Measurements	09/20/2022 09:30	09/20/2022 12:05	6	NA
F2204482008	HC_CENTER	WA	SM 10200 H	09/20/2022 09:30	09/20/2022 12:05	2	NA
F2204482008	HC_CENTER	WA	SM 4500NO3-F (Low Level)	09/20/2022 09:30	09/20/2022 12:05	3	NA
F2204482009	SWALLOW	WA	Calculation	09/20/2022 09:45	09/20/2022 12:05	1	NA
F2204482009	SWALLOW	WA	DISRES	09/20/2022 09:45	09/20/2022 12:05	3	NA
F2204482009	SWALLOW	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 09:45	09/20/2022 12:05	1	NA
F2204482009	SWALLOW	WA	EPA 180.1	09/20/2022 09:45	09/20/2022 12:05	1	NA
F2204482009	SWALLOW	WA	EPA 351.2	09/20/2022 09:45	09/20/2022 12:05	1	NA
F2204482009	SWALLOW	WA	EPA 365.3	09/20/2022 09:45	09/20/2022 12:05	1	NA
F2204482009	SWALLOW	WA	Field Measurements	09/20/2022 09:45	09/20/2022 12:05	6	NA
F2204482009	SWALLOW	WA	SM 10200 H	09/20/2022 09:45	09/20/2022 12:05	2	NA
F2204482009	SWALLOW	WA	SM 4500NO3-F (Low Level)	09/20/2022 09:45	09/20/2022 12:05	3	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	Calculation	09/20/2022 09:55	09/20/2022 12:05	1	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	DISRES	09/20/2022 09:55	09/20/2022 12:05	3	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 09:55	09/20/2022 12:05	1	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	EPA 180.1	09/20/2022 09:55	09/20/2022 12:05	1	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	EPA 351.2	09/20/2022 09:55	09/20/2022 12:05	1	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	EPA 365.3	09/20/2022 09:55	09/20/2022 12:05	1	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	Field Measurements	09/20/2022 09:55	09/20/2022 12:05	6	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	SM 10200 H	09/20/2022 09:55	09/20/2022 12:05	2	NA
F2204482010	W_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	09/20/2022 09:55	09/20/2022 12:05	3	NA
F2204482011	E_WINTERBERRY_BRIDGE	WA	Calculation	09/20/2022 10:05	09/20/2022 12:05	1	NA
F2204482011	E_WINTERBERRY_BRIDGE	WA	DISRES	09/20/2022 10:05	09/20/2022 12:05	3	NA
F2204482011	E_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 10:05	09/20/2022 12:05	1	NA
F2204482011	E_WINTERBERRY_BRIDGE	WA	EPA 180.1	09/20/2022 10:05	09/20/2022 12:05	1	NA
F2204482011	E_WINTERBERRY_BRIDGE	WA	EPA 351.2	09/20/2022 10:05	09/20/2022 12:05	1	NA
F2204482011	E_WINTERBERRY_BRIDGE	WA	EPA 365.3	09/20/2022 10:05	09/20/2022 12:05	1	NA
F2204482011	E_WINTERBERRY_BRIDGE	WA	Field Measurements	09/20/2022 10:05	09/20/2022 12:05	6	NA
F2204482011	E_WINTERBERRY_BRIDGE	WA	SM 10200 H	09/20/2022 10:05	09/20/2022 12:05	2	NA

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Workorder: Marco (F2204482)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2204482011	E_WINTERBERRY_BRIDG E	WA	SM 4500NO3-F (Low Level)	09/20/2022 10:05	09/20/2022 12:05	3	NA
F2204482012	MCILVAINE	WA	Calculation	09/20/2022 10:18	09/20/2022 12:05	1	NA
F2204482012	MCILVAINE	WA	DISRES	09/20/2022 10:18	09/20/2022 12:05	3	NA
F2204482012	MCILVAINE	WA	ENTEROLERT/ QUANTI- TRAY	09/20/2022 10:18	09/20/2022 12:05	1	NA
F2204482012	MCILVAINE	WA	EPA 180.1	09/20/2022 10:18	09/20/2022 12:05	1	NA
F2204482012	MCILVAINE	WA	EPA 351.2	09/20/2022 10:18	09/20/2022 12:05	1	NA
F2204482012	MCILVAINE	WA	EPA 365.3	09/20/2022 10:18	09/20/2022 12:05	1	NA
F2204482012	MCILVAINE	WA	Field Measurements	09/20/2022 10:18	09/20/2022 12:05	6	NA
F2204482012	MCILVAINE	WA	SM 10200 H	09/20/2022 10:18	09/20/2022 12:05	2	NA
F2204482012	MCILVAINE	WA	SM 4500NO3-F (Low Level)	09/20/2022 10:18	09/20/2022 12:05	3	NA
F2204482013	HUMMINGBIRD	WA	Calculation	09/20/2022 10:30	09/20/2022 12:05	1	NA
F2204482013	HUMMINGBIRD	WA	DISRES	09/20/2022 10:30	09/20/2022 12:05	3	NA
F2204482013	HUMMINGBIRD	WA	ENTEROLERT/ QUANTI- TRAY	09/20/2022 10:30	09/20/2022 12:05	1	NA
F2204482013	HUMMINGBIRD	WA	EPA 180.1	09/20/2022 10:30	09/20/2022 12:05	1	NA
F2204482013	HUMMINGBIRD	WA	EPA 351.2	09/20/2022 10:30	09/20/2022 12:05	1	NA
F2204482013	HUMMINGBIRD	WA	EPA 365.3	09/20/2022 10:30	09/20/2022 12:05	1	NA
F2204482013	HUMMINGBIRD	WA	Field Measurements	09/20/2022 10:30	09/20/2022 12:05	6	NA
F2204482013	HUMMINGBIRD	WA	SM 10200 H	09/20/2022 10:30	09/20/2022 12:05	2	NA
F2204482013	HUMMINGBIRD	WA	SM 4500NO3-F (Low Level)	09/20/2022 10:30	09/20/2022 12:05	3	NA
F2204482014	HOLLYHOCK	WA	Calculation	09/20/2022 10:41	09/20/2022 12:05	1	NA
F2204482014	HOLLYHOCK	WA	DISRES	09/20/2022 10:41	09/20/2022 12:05	3	NA
F2204482014	HOLLYHOCK	WA	ENTEROLERT/ QUANTI- TRAY	09/20/2022 10:41	09/20/2022 12:05	1	NA
F2204482014	HOLLYHOCK	WA	EPA 180.1	09/20/2022 10:41	09/20/2022 12:05	1	NA
F2204482014	HOLLYHOCK	WA	EPA 351.2	09/20/2022 10:41	09/20/2022 12:05	1	NA
F2204482014	HOLLYHOCK	WA	EPA 365.3	09/20/2022 10:41	09/20/2022 12:05	1	NA
F2204482014	HOLLYHOCK	WA	Field Measurements	09/20/2022 10:41	09/20/2022 12:05	6	NA
F2204482014	HOLLYHOCK	WA	SM 10200 H	09/20/2022 10:41	09/20/2022 12:05	2	NA
F2204482014	HOLLYHOCK	WA	SM 4500NO3-F (Low Level)	09/20/2022 10:41	09/20/2022 12:05	3	NA
F2204482015	WINDMILL	WA	Calculation	09/20/2022 10:50	09/20/2022 12:05	1	NA
F2204482015	WINDMILL	WA	DISRES	09/20/2022 10:50	09/20/2022 12:05	3	NA
F2204482015	WINDMILL	WA	ENTEROLERT/ QUANTI- TRAY	09/20/2022 10:50	09/20/2022 12:05	1	NA
F2204482015	WINDMILL	WA	EPA 180.1	09/20/2022 10:50	09/20/2022 12:05	1	NA
F2204482015	WINDMILL	WA	EPA 351.2	09/20/2022 10:50	09/20/2022 12:05	1	NA

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Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2204482015	WINDMILL	WA	EPA 365.3	09/20/2022 10:50	09/20/2022 12:05	1	NA
F2204482015	WINDMILL	WA	Field Measurements	09/20/2022 10:50	09/20/2022 12:05	6	NA
F2204482015	WINDMILL	WA	SM 10200 H	09/20/2022 10:50	09/20/2022 12:05	2	NA
F2204482015	WINDMILL	WA	SM 4500NO3-F (Low Level)	09/20/2022 10:50	09/20/2022 12:05	3	NA
F2204482016	EQUIPMENT_BLANK	WA	Calculation	09/20/2022 10:58	09/20/2022 12:05	1	NA
F2204482016	EQUIPMENT_BLANK	WA	ENTEROLERT/ QUANTI-TRAY	09/20/2022 10:58	09/20/2022 12:05	1	NA
F2204482016	EQUIPMENT_BLANK	WA	EPA 180.1	09/20/2022 10:58	09/20/2022 12:05	1	NA
F2204482016	EQUIPMENT_BLANK	WA	EPA 351.2	09/20/2022 10:58	09/20/2022 12:05	1	NA
F2204482016	EQUIPMENT_BLANK	WA	EPA 365.3	09/20/2022 10:58	09/20/2022 12:05	1	NA
F2204482016	EQUIPMENT_BLANK	WA	SM 10200 H	09/20/2022 10:58	09/20/2022 12:05	2	NA
F2204482016	EQUIPMENT_BLANK	WA	SM 4500NO3-F (Low Level)	09/20/2022 10:58	09/20/2022 12:05	3	NA

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FINAL

Workorder: Marco (F2204482)

Workorder Summary

Analysis Results Comments

F2204482001 (BARFIELD_BRIDGE) - Corrected Chlorophyll A

Samples F2204482001-16 were filtered on 9/21/2022 at 11:36

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Workorder: Marco (F2204482)

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





FINAL

Workorder: Marco (F2204482)

Analytical Results

Lab ID: F2204482001 **Date Collected:** 09/20/2022 08:26 **Matrix:** Water
Sample ID: BARFIELD_BRIDGE **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 08:26	09/20/2022 08:26	X
Secchi Disc	1.5	feet			1	09/20/2022 08:26	09/20/2022 08:26	X
Total Depth	2.25	meters			1	09/20/2022 08:26	09/20/2022 08:26	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	50881	umhos/cm			1	09/20/2022 08:26	09/20/2022 08:26	F
DO Saturation %	70.2	%			1	09/20/2022 08:26	09/20/2022 08:26	F
Dissolved Oxygen	4.4	mg/L			1	09/20/2022 08:26	09/20/2022 08:26	F
Salinity	33.23	ppt			1	09/20/2022 08:26	09/20/2022 08:26	F
Temperature	30.2	°C			1	09/20/2022 08:26	09/20/2022 08:26	F
pH	8.12	SU			1	09/20/2022 08:26	09/20/2022 08:26	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	4	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.033	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.0	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	09/22/2022 07:51	09/22/2022 07:51	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	09/22/2022 07:51	09/22/2022 07:51	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 07:51	09/22/2022 07:51	T





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Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2204482002 Date Collected: 09/20/2022 08:35 Matrix: Water								
Sample ID: OLDE_MARCO Date Received: 09/20/2022 12:05								
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 08:35	09/20/2022 08:35	X
Secchi Disc	1.5	feet			1	09/20/2022 08:35	09/20/2022 08:35	X
Total Depth	1.5	meters			1	09/20/2022 08:35	09/20/2022 08:35	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	52698	umhos/cm			1	09/20/2022 08:35	09/20/2022 08:35	F
DO Saturation %	62.7	%			1	09/20/2022 08:35	09/20/2022 08:35	F
Dissolved Oxygen	3.87	mg/L			1	09/20/2022 08:35	09/20/2022 08:35	F
Salinity	34.55	ppt			1	09/20/2022 08:35	09/20/2022 08:35	F
Temperature	30.7	°C			1	09/20/2022 08:35	09/20/2022 08:35	F
pH	8.12	SU			1	09/20/2022 08:35	09/20/2022 08:35	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.137 I	mg/L	0.20	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.50	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2.2	NTU	0.10	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.073	mg/L	0.010	0.0050	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.8	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.010	0.0060	1	09/22/2022 07:52	09/22/2022 07:52	T
Nitrate + Nitrite	0.010 U	mg/L	0.020	0.010	1	09/22/2022 07:52	09/22/2022 07:52	T
Nitrite (as N)	0.0080 U	mg/L	0.010	0.0080	1	09/22/2022 07:52	09/22/2022 07:52	T





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Lab ID: F2204482003 **Date Collected:** 09/20/2022 08:47 **Matrix:** Water
Sample ID: JH_PARK **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 08:47	09/20/2022 08:47	X
Secchi Disc	1.75	feet			1	09/20/2022 08:47	09/20/2022 08:47	X
Total Depth	3.5	meters			1	09/20/2022 08:47	09/20/2022 08:47	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	50667	umhos/cm			1	09/20/2022 08:47	09/20/2022 08:47	F
DO Saturation %	78.8	%			1	09/20/2022 08:47	09/20/2022 08:47	F
Dissolved Oxygen	4.9	mg/L			1	09/20/2022 08:47	09/20/2022 08:47	F
Salinity	33.05	ppt			1	09/20/2022 08:47	09/20/2022 08:47	F
Temperature	30.9	°C			1	09/20/2022 08:47	09/20/2022 08:47	F
pH	8.14	SU			1	09/20/2022 08:47	09/20/2022 08:47	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.20	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.50	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	3.0	NTU	0.10	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.076	mg/L	0.010	0.0050	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	5.6	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.010	0.0060	1	09/22/2022 07:52	09/22/2022 07:52	T
Nitrate + Nitrite	0.010 U	mg/L	0.020	0.010	1	09/22/2022 07:52	09/22/2022 07:52	T
Nitrite (as N)	0.0080 U	mg/L	0.010	0.0080	1	09/22/2022 07:52	09/22/2022 07:52	T





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Lab ID: F2204482004 **Date Collected:** 09/20/2022 08:56 **Matrix:** Water
Sample ID: KENDALL **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 08:56	09/20/2022 08:56	X
Secchi Disc	1.5	feet			1	09/20/2022 08:56	09/20/2022 08:56	X
Total Depth	1.5	meters			1	09/20/2022 08:56	09/20/2022 08:56	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	50344	umhos/cm			1	09/20/2022 08:56	09/20/2022 08:56	F
DO Saturation %	63.5	%			1	09/20/2022 08:56	09/20/2022 08:56	F
Dissolved Oxygen	3.96	mg/L			1	09/20/2022 08:56	09/20/2022 08:56	F
Salinity	32.82	ppt			1	09/20/2022 08:56	09/20/2022 08:56	F
Temperature	30.6	°C			1	09/20/2022 08:56	09/20/2022 08:56	F
pH	8.18	SU			1	09/20/2022 08:56	09/20/2022 08:56	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.20	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.50	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	3.0	NTU	0.10	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.086	mg/L	0.010	0.0050	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.8	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.010	0.0060	1	09/22/2022 07:53	09/22/2022 07:53	T
Nitrate + Nitrite	0.010 U	mg/L	0.020	0.010	1	09/22/2022 07:53	09/22/2022 07:53	T
Nitrite (as N)	0.0080 U	mg/L	0.010	0.0080	1	09/22/2022 07:53	09/22/2022 07:53	T





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Lab ID: F2204482005 **Date Collected:** 09/20/2022 09:06 **Matrix:** Water
Sample ID: COLLIER_BRIDGE **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 09:06	09/20/2022 09:06	X
Secchi Disc	2	feet			1	09/20/2022 09:06	09/20/2022 09:06	X
Total Depth	2.5	meters			1	09/20/2022 09:06	09/20/2022 09:06	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	49723	umhos/cm			1	09/20/2022 09:06	09/20/2022 09:06	F
DO Saturation %	62.9	%			1	09/20/2022 09:06	09/20/2022 09:06	F
Dissolved Oxygen	3.84	mg/L			1	09/20/2022 09:06	09/20/2022 09:06	F
Salinity	32.36	ppt			1	09/20/2022 09:06	09/20/2022 09:06	F
Temperature	31.2	°C			1	09/20/2022 09:06	09/20/2022 09:06	F
pH	8.14	SU			1	09/20/2022 09:06	09/20/2022 09:06	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.035	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.0	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	09/22/2022 07:54	09/22/2022 07:54	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	09/22/2022 07:54	09/22/2022 07:54	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 07:54	09/22/2022 07:54	T





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Lab ID: F2204482006 **Date Collected:** 09/20/2022 09:16 **Matrix:** Water
Sample ID: LANDMARK **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 09:16	09/20/2022 09:16	X
Secchi Disc	2.5	feet			1	09/20/2022 09:16	09/20/2022 09:16	X
Total Depth	2.5	meters			1	09/20/2022 09:16	09/20/2022 09:16	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	51725	umhos/cm			1	09/20/2022 09:16	09/20/2022 09:16	F
DO Saturation %	68.9	%			1	09/20/2022 09:16	09/20/2022 09:16	F
Dissolved Oxygen	4.2	mg/L			1	09/20/2022 09:16	09/20/2022 09:16	F
Salinity	33.81	ppt			1	09/20/2022 09:16	09/20/2022 09:16	F
Temperature	31.2	°C			1	09/20/2022 09:16	09/20/2022 09:16	F
pH	8.16	SU			1	09/20/2022 09:16	09/20/2022 09:16	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.6	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.086	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	09/22/2022 07:55	09/22/2022 07:55	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	09/22/2022 07:55	09/22/2022 07:55	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 07:55	09/22/2022 07:55	T





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Analytical Results

Lab ID: F2204482007 **Date Collected:** 09/20/2022 09:21 **Matrix:** Water
Sample ID: LANDMARK_DUP **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 09:21	09/20/2022 09:21	X
Secchi Disc	2.5	feet			1	09/20/2022 09:21	09/20/2022 09:21	X
Total Depth	2.5	meters			1	09/20/2022 09:21	09/20/2022 09:21	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	51732	umhos/cm			1	09/20/2022 09:21	09/20/2022 09:21	F
DO Saturation %	68.5	%			1	09/20/2022 09:21	09/20/2022 09:21	F
Dissolved Oxygen	4.21	mg/L			1	09/20/2022 09:21	09/20/2022 09:21	F
Salinity	33.85	ppt			1	09/20/2022 09:21	09/20/2022 09:21	F
Temperature	31.2	°C			1	09/20/2022 09:21	09/20/2022 09:21	F
pH	8.15	SU			1	09/20/2022 09:21	09/20/2022 09:21	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.6	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.070	mg/L	0.01	0.005	1	09/26/2022 11:10	10/04/2022 12:05	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	09/22/2022 07:55	09/22/2022 07:55	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	09/22/2022 07:55	09/22/2022 07:55	T
Nitrite (as N)	0.008 I	mg/L	0.01	0.0080	1	09/22/2022 07:55	09/22/2022 07:55	T





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Analytical Results

Lab ID: F2204482008 **Date Collected:** 09/20/2022 09:30 **Matrix:** Water
Sample ID: HC_CENTER **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 09:30	09/20/2022 09:30	X
Secchi Disc	1.5	feet			1	09/20/2022 09:30	09/20/2022 09:30	X
Total Depth	1.5	meters			1	09/20/2022 09:30	09/20/2022 09:30	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	49565	umhos/cm			1	09/20/2022 09:30	09/20/2022 09:30	F
DO Saturation %	74.7	%			1	09/20/2022 09:30	09/20/2022 09:30	F
Dissolved Oxygen	4.65	mg/L			1	09/20/2022 09:30	09/20/2022 09:30	F
Salinity	32.25	ppt			1	09/20/2022 09:30	09/20/2022 09:30	F
Temperature	31	°C			1	09/20/2022 09:30	09/20/2022 09:30	F
pH	8.27	SU			1	09/20/2022 09:30	09/20/2022 09:30	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.207	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.207 I	mg/L	0.5	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.084	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.8	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	09/22/2022 07:56	09/22/2022 07:56	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	09/22/2022 07:56	09/22/2022 07:56	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 07:56	09/22/2022 07:56	T





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Workorder: Marco (F2204482)

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Workorder: Marco (F2204482)

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Lab ID: F2204482009 **Date Collected:** 09/20/2022 09:45 **Matrix:** Water
Sample ID: SWALLOW **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 09:45	09/20/2022 09:45	X
Secchi Disc	1.5	feet			1	09/20/2022 09:45	09/20/2022 09:45	X
Total Depth	2.25	meters			1	09/20/2022 09:45	09/20/2022 09:45	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	52096	umhos/cm			1	09/20/2022 09:45	09/20/2022 09:45	F
DO Saturation %	46.8	%			1	09/20/2022 09:45	09/20/2022 09:45	F
Dissolved Oxygen	2.85	mg/L			1	09/20/2022 09:45	09/20/2022 09:45	F
Salinity	34.05	ppt			1	09/20/2022 09:45	09/20/2022 09:45	F
Temperature	31.9	°C			1	09/20/2022 09:45	09/20/2022 09:45	F
pH	8.08	SU			1	09/20/2022 09:45	09/20/2022 09:45	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.7	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.113	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.04	mg/L	0.01	0.0060	1	09/22/2022 07:57	09/22/2022 07:57	T
Nitrate + Nitrite	0.05	mg/L	0.02	0.010	1	09/22/2022 07:57	09/22/2022 07:57	T
Nitrite (as N)	0.009 I	mg/L	0.01	0.0080	1	09/22/2022 07:57	09/22/2022 07:57	T





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Lab ID: F2204482010 **Date Collected:** 09/20/2022 09:55 **Matrix:** Water
Sample ID: W_WINTERBERRY_BRID **Date Received:** 09/20/2022 12:05
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 09:55	09/20/2022 09:55	X
Secchi Disc	2	feet			1	09/20/2022 09:55	09/20/2022 09:55	X
Total Depth	2.5	meters			1	09/20/2022 09:55	09/20/2022 09:55	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	51944	umhos/cm			1	09/20/2022 09:55	09/20/2022 09:55	F
DO Saturation %	75.7	%			1	09/20/2022 09:55	09/20/2022 09:55	F
Dissolved Oxygen	4.62	mg/L			1	09/20/2022 09:55	09/20/2022 09:55	F
Salinity	33.99	ppt			1	09/20/2022 09:55	09/20/2022 09:55	F
Temperature	30.9	°C			1	09/20/2022 09:55	09/20/2022 09:55	F
pH	8.35	SU			1	09/20/2022 09:55	09/20/2022 09:55	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.038	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.0	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	09/22/2022 07:58	09/22/2022 07:58	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	09/22/2022 07:58	09/22/2022 07:58	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 07:58	09/22/2022 07:58	T





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Lab ID: F2204482011 **Date Collected:** 09/20/2022 10:05 **Matrix:** Water
Sample ID: E_WINTERBERRY_BRID **Date Received:** 09/20/2022 12:05
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 10:05	09/20/2022 10:05	X
Secchi Disc	1.5	feet			1	09/20/2022 10:05	09/20/2022 10:05	X
Total Depth	2.5	meters			1	09/20/2022 10:05	09/20/2022 10:05	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	52212	umhos/cm			1	09/20/2022 10:05	09/20/2022 10:05	F
DO Saturation %	81.3	%			1	09/20/2022 10:05	09/20/2022 10:05	F
Dissolved Oxygen	4.94	mg/L			1	09/20/2022 10:05	09/20/2022 10:05	F
Salinity	34.18	ppt			1	09/20/2022 10:05	09/20/2022 10:05	F
Temperature	31	°C			1	09/20/2022 10:05	09/20/2022 10:05	F
pH	8.13	SU			1	09/20/2022 10:05	09/20/2022 10:05	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	30	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	09/26/2022 16:00	09/28/2022 11:53	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.057	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.8 I	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	09/22/2022 08:10	09/22/2022 08:10	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	09/22/2022 08:10	09/22/2022 08:10	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 08:10	09/22/2022 08:10	T





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Lab ID: F2204482012 **Date Collected:** 09/20/2022 10:18 **Matrix:** Water
Sample ID: MCILVAINE **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 10:18	09/20/2022 10:18	X
Secchi Disc	1.5	feet			1	09/20/2022 10:18	09/20/2022 10:18	X
Total Depth	3	meters			1	09/20/2022 10:18	09/20/2022 10:18	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	52539	umhos/cm			1	09/20/2022 10:18	09/20/2022 10:18	F
DO Saturation %	65.2	%			1	09/20/2022 10:18	09/20/2022 10:18	F
Dissolved Oxygen	4.03	mg/L			1	09/20/2022 10:18	09/20/2022 10:18	F
Salinity	34.44	ppt			1	09/20/2022 10:18	09/20/2022 10:18	F
Temperature	30.7	°C			1	09/20/2022 10:18	09/20/2022 10:18	F
pH	8.13	SU			1	09/20/2022 10:18	09/20/2022 10:18	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.245	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.245 I	mg/L	0.5	0.20	1	10/03/2022 16:20	10/04/2022 11:17	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.054	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	09/22/2022 08:07	09/22/2022 08:07	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	09/22/2022 08:07	09/22/2022 08:07	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 08:07	09/22/2022 08:07	T





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Workorder: Marco (F2204482)

Analytical Results

Lab ID: F2204482013 **Date Collected:** 09/20/2022 10:30 **Matrix:** Water
Sample ID: HUMMINGBIRD **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 10:30	09/20/2022 10:30	X
Secchi Disc	2	feet			1	09/20/2022 10:30	09/20/2022 10:30	X
Total Depth	2	meters			1	09/20/2022 10:30	09/20/2022 10:30	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	48622	umhos/cm			1	09/20/2022 10:30	09/20/2022 10:30	F
DO Saturation %	91.1	%			1	09/20/2022 10:30	09/20/2022 10:30	F
Dissolved Oxygen	5.69	mg/L			1	09/20/2022 10:30	09/20/2022 10:30	F
Salinity	31.56	ppt			1	09/20/2022 10:30	09/20/2022 10:30	F
Temperature	31	°C			1	09/20/2022 10:30	09/20/2022 10:30	F
pH	8.29	SU			1	09/20/2022 10:30	09/20/2022 10:30	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.362	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.362 I	mg/L	0.5	0.20	1	10/03/2022 16:20	10/04/2022 11:17	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.076	mg/L	0.01	0.005	1	09/26/2022 11:10	09/26/2022 16:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	3.9	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	09/22/2022 08:08	09/22/2022 08:08	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	09/22/2022 08:08	09/22/2022 08:08	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 08:08	09/22/2022 08:08	T





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Analytical Results

Lab ID: F2204482014 **Date Collected:** 09/20/2022 10:41 **Matrix:** Water
Sample ID: HOLLYHOCK **Date Received:** 09/20/2022 12:05

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 10:41	09/20/2022 10:41	X
Secchi Disc	2	feet			1	09/20/2022 10:41	09/20/2022 10:41	X
Total Depth	2	meters			1	09/20/2022 10:41	09/20/2022 10:41	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	49452	umhos/cm			1	09/20/2022 10:41	09/20/2022 10:41	F
DO Saturation %	69.2	%			1	09/20/2022 10:41	09/20/2022 10:41	F
Dissolved Oxygen	4.28	mg/L			1	09/20/2022 10:41	09/20/2022 10:41	F
Salinity	32.16	ppt			1	09/20/2022 10:41	09/20/2022 10:41	F
Temperature	31.1	°C			1	09/20/2022 10:41	09/20/2022 10:41	F
pH	7.98	SU			1	09/20/2022 10:41	09/20/2022 10:41	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.445	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.445 I	mg/L	0.5	0.20	1	10/03/2022 16:20	10/04/2022 11:17	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.052	mg/L	0.01	0.005	1	09/28/2022 11:00	09/30/2022 11:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.8 I	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	09/22/2022 08:09	09/22/2022 08:09	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	09/22/2022 08:09	09/22/2022 08:09	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 08:09	09/22/2022 08:09	T





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Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2204482015 Date Collected: 09/20/2022 10:50 Matrix: Water								
Sample ID: WINDMILL Date Received: 09/20/2022 12:05								
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	09/20/2022 10:50	09/20/2022 10:50	X
Secchi Disc	1.5	feet			1	09/20/2022 10:50	09/20/2022 10:50	X
Total Depth	2.5	meters			1	09/20/2022 10:50	09/20/2022 10:50	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	48998	umhos/cm			1	09/20/2022 10:50	09/20/2022 10:50	F
DO Saturation %	80.1	%			1	09/20/2022 10:50	09/20/2022 10:50	F
Dissolved Oxygen	5.01	mg/L			1	09/20/2022 10:50	09/20/2022 10:50	F
Salinity	31.83	ppt			1	09/20/2022 10:50	09/20/2022 10:50	F
Temperature	30.9	°C			1	09/20/2022 10:50	09/20/2022 10:50	F
pH	8.05	SU			1	09/20/2022 10:50	09/20/2022 10:50	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.331	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.331 I	mg/L	0.5	0.20	1	10/03/2022 16:20	10/04/2022 11:17	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.9	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.041	mg/L	0.01	0.005	1	09/28/2022 11:00	09/30/2022 11:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	3.0	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	09/22/2022 08:10	09/22/2022 08:10	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	09/22/2022 08:10	09/22/2022 08:10	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 08:10	09/22/2022 08:10	T





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FINAL

Workorder: Marco (F2204482)

Analytical Results

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Workorder: Marco (F2204482)

Analytical Results

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2204482016 Date Collected: 09/20/2022 10:58 Matrix: Water								
Sample ID: EQUIPMENT_BLANK Date Received: 09/20/2022 12:05								
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1 U	MPN/100 mL	1	1	1	09/20/2022 13:54	09/20/2022 13:54	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	10/11/2022 12:16	10/11/2022 12:16	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	10/03/2022 16:20	10/04/2022 11:17	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.10 U	NTU	0.1	0.10	1	09/21/2022 09:30	09/21/2022 09:30	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	09/28/2022 11:00	09/30/2022 11:55	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	09/27/2022 16:30	09/27/2022 16:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	09/22/2022 08:07	09/22/2022 08:07	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	09/22/2022 08:07	09/22/2022 08:07	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	09/22/2022 08:07	09/22/2022 08:07	T





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Workorder: Marco (F2204482)

QC Results

QC Batch: MICf/1956 **Analysis Method:** ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: F2204482001, F2204482002, F2204482003, F2204482004, F2204482005, F2204482006, F2204482007, F2204482008, F2204482009, F2204482010, F2204482011, F2204482012, F2204482013, F2204482014, F2204482015, F2204482016

Method Blank(4475530)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1.0 U	MPN/100 mL	1.0	1.0	F





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Workorder: Marco (F2204482)

QC Results

QC Batch: WCAf/2623 **Analysis Method:** EPA 180.1
Preparation Method: EPA 180.1
Associated Lab IDs: F2204482001, F2204482002, F2204482003, F2204482004, F2204482005, F2204482006, F2204482007, F2204482008, F2204482009, F2204482010, F2204482011, F2204482012, F2204482013, F2204482014, F2204482015, F2204482016

Method Blank(4476255)

Parameter	Results	Units	PQL	MDL	Lab
Turbidity	0.10 U	NTU	0.10	0.10	F





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Workorder: Marco (F2204482)

QC Results

QC Batch: WCAg/8161 **Analysis Method:** EPA 365.3
Preparation Method: EPA 365.3
Associated Lab IDs: F2204482001, F2204482002, F2204482003, F2204482004, F2204482005, F2204482006, F2204482007, F2204482008, F2204482009, F2204482010, F2204482011, F2204482012, F2204482013

Method Blank(4481363)

Parameter	Results	Units	PQL	MDL	Lab
Total Phosphorus (as P)	0.0050 U	mg/L	0.010	0.0050	G





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Workorder: Marco (F2204482)

QC Results

QC Batch: WCAg/8181 **Analysis Method:** SM 10200 H
Preparation Method: SM 10200 H
Associated Lab IDs: F2204482001, F2204482002, F2204482003, F2204482004, F2204482005, F2204482006, F2204482007, F2204482008, F2204482009, F2204482010, F2204482011, F2204482012, F2204482013, F2204482014, F2204482015, F2204482016

Method Blank(4483998)

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

Method Blank(4484000)

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





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Workorder: Marco (F2204482)

QC Results

QC Batch: WCAg/8211 **Analysis Method:** EPA 365.3
Preparation Method: EPA 365.3
Associated Lab IDs: F2204482014, F2204482015, F2204482016

Method Blank(4485743)

Parameter	Results	Units	PQL	MDL	Lab
Total Phosphorus (as P)	0.0050 U	mg/L	0.010	0.0050	G

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Workorder: Marco (F2204482)

QC Results

QC Batch: WCAg/8223 **Analysis Method:** EPA 351.2
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2204482001, F2204482002, F2204482003, F2204482004, F2204482005, F2204482006, F2204482007, F2204482008, F2204482009, F2204482010, F2204482011

Method Blank(4484569)

Parameter	Results	Units	PQL	MDL	Lab
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.50	0.20	G





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Workorder: Marco (F2204482)

QC Results

QC Batch: WCAg/8224 **Analysis Method:** EPA 365.4
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2204482001, F2204482002, F2204482003, F2204482004, F2204482005, F2204482006, F2204482007, F2204482008, F2204482009, F2204482010, F2204482011

Method Blank(4484570)

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

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Workorder: Marco (F2204482)

QC Results

QC Batch: WCAg/8255 **Analysis Method:** EPA 365.4
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2204482012, F2204482013, F2204482014, F2204482015, F2204482016

Method Blank(4489150)

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





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Workorder: Marco (F2204482)

QC Results

QC Batch: WCA1/14831 **Analysis Method:** SM 4500NO3-F (Low Level)
Preparation Method: SM 4500NO3-F (Low Level)
Associated Lab IDs: F2204482001, F2204482002, F2204482003, F2204482004, F2204482005, F2204482006, F2204482007, F2204482008, F2204482009, F2204482010

Method Blank(4477663)

Parameter	Results	Units	PQL	MDL	Lab
Nitrate (as N)	0.0060 U	mg/L	0.010	0.0060	T
Nitrite (as N)	0.0080 U	mg/L	0.010	0.0080	T
Nitrate + Nitrite	0.010 U	mg/L	0.020	0.010	T

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Workorder: Marco (F2204482)

QC Results

QC Batch: WCA/14832 **Analysis Method:** SM 4500NO3-F (Low Level)
Preparation Method: SM 4500NO3-F (Low Level)
Associated Lab IDs: F2204482011, F2204482012, F2204482013, F2204482014, F2204482015, F2204482016

Method Blank(4477667)

Parameter	Results	Units	PQL	MDL	Lab
Nitrate (as N)	0.0060 U	mg/L	0.010	0.0060	T
Nitrite (as N)	0.0080 U	mg/L	0.010	0.0080	T
Nitrate + Nitrite	0.010 U	mg/L	0.020	0.010	T

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Workorder: Marco (F2204482)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CLCt/1058 - Calculation			
F2204482001	BARFIELD_BRIDGE		
F2204482002	OLDE_MARCO		
F2204482003	JH_PARK		
F2204482004	KENDALL		
F2204482005	COLLIER_BRIDGE		
F2204482006	LANDMARK		
F2204482007	LANDMARK_DUP		
F2204482008	HC_CENTER		
F2204482009	SWALLOW		
F2204482010	W_WINTERBERRY_BRIDGE		
F2204482011	E_WINTERBERRY_BRIDGE		
F2204482012	MCILVAINE		
F2204482013	HUMMINGBIRD		
F2204482014	HOLLYHOCK		
F2204482015	WINDMILL		
F2204482016	EQUIPMENT_BLANK		
MICf/1956 - ENTEROLERT/ QUANTI-TRAY			
F2204482001	BARFIELD_BRIDGE		
F2204482002	OLDE_MARCO		
F2204482003	JH_PARK		
F2204482004	KENDALL		
F2204482005	COLLIER_BRIDGE		
F2204482006	LANDMARK		
F2204482007	LANDMARK_DUP		
F2204482008	HC_CENTER		
F2204482009	SWALLOW		
F2204482010	W_WINTERBERRY_BRIDGE		
F2204482011	E_WINTERBERRY_BRIDGE		
F2204482012	MCILVAINE		
F2204482013	HUMMINGBIRD		
F2204482014	HOLLYHOCK		
F2204482015	WINDMILL		
F2204482016	EQUIPMENT_BLANK		





FINAL

Workorder: Marco (F2204482)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAf/2623 - EPA 180.1			
F2204482001	BARFIELD_BRIDGE		
F2204482002	OLDE_MARCO		
F2204482003	JH_PARK		
F2204482004	KENDALL		
F2204482005	COLLIER_BRIDGE		
F2204482006	LANDMARK		
F2204482007	LANDMARK_DUP		
F2204482008	HC_CENTER		
F2204482009	SWALLOW		
F2204482010	W_WINTERBERRY_BRIDGE		
F2204482011	E_WINTERBERRY_BRIDGE		
F2204482012	MCILVAINE		
F2204482013	HUMMINGBIRD		
F2204482014	HOLLYHOCK		
F2204482015	WINDMILL		
F2204482016	EQUIPMENT_BLANK		
WCAg/8161 - EPA 365.3			
F2204482001	BARFIELD_BRIDGE	WCAg/8160	EPA 365.3
F2204482002	OLDE_MARCO	WCAg/8160	EPA 365.3
F2204482003	JH_PARK	WCAg/8160	EPA 365.3
F2204482004	KENDALL	WCAg/8160	EPA 365.3
F2204482005	COLLIER_BRIDGE	WCAg/8160	EPA 365.3
F2204482006	LANDMARK	WCAg/8160	EPA 365.3
F2204482007	LANDMARK_DUP	WCAg/8160	EPA 365.3
F2204482008	HC_CENTER	WCAg/8160	EPA 365.3
F2204482009	SWALLOW	WCAg/8160	EPA 365.3
F2204482010	W_WINTERBERRY_BRIDGE	WCAg/8160	EPA 365.3
F2204482011	E_WINTERBERRY_BRIDGE	WCAg/8160	EPA 365.3
F2204482012	MCILVAINE	WCAg/8160	EPA 365.3
F2204482013	HUMMINGBIRD	WCAg/8160	EPA 365.3





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Workorder: Marco (F2204482)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAg/8181 - SM 10200 H			
F2204482001	BARFIELD_BRIDGE		
F2204482002	OLDE_MARCO		
F2204482003	JH_PARK		
F2204482004	KENDALL		
F2204482005	COLLIER_BRIDGE		
F2204482006	LANDMARK		
F2204482007	LANDMARK_DUP		
F2204482008	HC_CENTER		
F2204482009	SWALLOW		
F2204482010	W_WINTERBERRY_BRIDGE		
F2204482011	E_WINTERBERRY_BRIDGE		
F2204482012	MCILVAINE		
F2204482013	HUMMINGBIRD		
F2204482014	HOLLYHOCK		
F2204482015	WINDMILL		
F2204482016	EQUIPMENT_BLANK		
WCAg/8211 - EPA 365.3			
F2204482014	HOLLYHOCK	WCAg/8210	EPA 365.3
F2204482015	WINDMILL	WCAg/8210	EPA 365.3
F2204482016	EQUIPMENT_BLANK	WCAg/8210	EPA 365.3
WCAg/8223 - EPA 351.2			
F2204482001	BARFIELD_BRIDGE	WCAg/8200	Copper Sulfate Digestion
F2204482002	OLDE_MARCO	WCAg/8200	Copper Sulfate Digestion
F2204482003	JH_PARK	WCAg/8200	Copper Sulfate Digestion
F2204482004	KENDALL	WCAg/8200	Copper Sulfate Digestion
F2204482005	COLLIER_BRIDGE	WCAg/8200	Copper Sulfate Digestion
F2204482006	LANDMARK	WCAg/8200	Copper Sulfate Digestion
F2204482007	LANDMARK_DUP	WCAg/8200	Copper Sulfate Digestion
F2204482008	HC_CENTER	WCAg/8200	Copper Sulfate Digestion
F2204482009	SWALLOW	WCAg/8200	Copper Sulfate Digestion
F2204482010	W_WINTERBERRY_BRIDGE	WCAg/8200	Copper Sulfate Digestion
F2204482011	E_WINTERBERRY_BRIDGE	WCAg/8200	Copper Sulfate Digestion





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Workorder: Marco (F2204482)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAg/8254 - EPA 351.2			
F2204482012	MCILVAINE	WCAg/8244	Copper Sulfate Digestion
F2204482013	HUMMINGBIRD	WCAg/8244	Copper Sulfate Digestion
F2204482014	HOLLYHOCK	WCAg/8244	Copper Sulfate Digestion
F2204482015	WINDMILL	WCAg/8244	Copper Sulfate Digestion
F2204482016	EQUIPMENT_BLANK	WCAg/8244	Copper Sulfate Digestion
WCAI/14831 - SM 4500NO3-F (Low Level)			
F2204482001	BARFIELD_BRIDGE		
F2204482002	OLDE_MARCO		
F2204482003	JH_PARK		
F2204482004	KENDALL		
F2204482005	COLLIER_BRIDGE		
F2204482006	LANDMARK		
F2204482007	LANDMARK_DUP		
F2204482008	HC_CENTER		
F2204482009	SWALLOW		
F2204482010	W_WINTERBERRY_BRIDGE		
WCAI/14832 - SM 4500NO3-F (Low Level)			
F2204482011	E_WINTERBERRY_BRIDGE		
F2204482012	MCILVAINE		
F2204482013	HUMMINGBIRD		
F2204482014	HOLLYHOCK		
F2204482015	WINDMILL		
F2204482016	EQUIPMENT_BLANK		





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Workorder: Marco (F2204482)



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- Jacksonville: 6581 Southport Pkwy., Ft. 32216 - 904.953.9359 - Lab ID: ES2574
- Tallahassee: 2539 North Monroe St., Suite D, Ft. 32303 - 850.219.6274 - Lab ID: ES11055
- Gainesville: 4955 SW 41st Blvd., Ft. 32609 - 352.371.2349 - Lab ID: ES2001
- Miramar: 10200 USA Today Way, Ft. 33025 - 954.889.2288 - Lab ID: ES2535
- Tampa: 9510 Progress Palm Ave., Ft. 33619 - 813.830.9816 - Lab ID: ES4589

Page 1 of 2

Client Name: City of Marco Island		Project Name: MARCO	
Address: 50 Bald Eagle Dr. Marco Island, FL 314145		Project Number:	
Phone: 239-300-1462		FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact: Jason Tomasetti		Special Instructions:	
Sampled By: P Manard		ADAPT	
Turn Around Time: Standard X Rush		EQUIS	
AEL Profile #: 65884		Other	
SAMPLE ID		SAMPLE DESCRIPTION	
	Grab	DATE	TIME
	Comp	MATRIX	NO. COUNT
			WIN
	BARFIELD_BRIDGE	08:26	SW 4
	OLDE_MARCO	08:35	SW 4
	JH_PARK	08:47	SW 4
	KENDALL	08:56	SW 4
	COLLIER_BRIDGE	09:06	SW 4
	LANDMARK	09:16	SW 4
	LANDMARK_DUP	09:21	SW 4
	HC_CENTER	09:30	SW 4
	SWALLOW	09:45	SW 4
	W_WINTERBERRY_BRIDGE	09:55	SW 4
Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge		Preservation Code: I = Ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)	
Received on Ice <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Temp taken from sample <input type="checkbox"/> Temp from blank <input type="checkbox"/> Where required, pH checked		Temp, when received (observed) _____ °C Temp, when received (corrected) _____ °C	
DCN: AD-D031web Form last revised 08/07/2019		Device used for measuring Temp by unique identifier (Circle R if temp gun used) _____ °C	
Relinquished by: _____ Date: _____ Time: _____		Received by: _____ Date: _____ Time: _____	
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____





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Workorder: Marco (F2204482)



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- Fort Myers: 13100 Westlinks Terrace, Ste. 10, Ft. 33913 • 239.674.8130 • Lab ID: E84492
- Jacksonville: 6631 Southeast Pkwy., Ft. 32216 • 904.383.5350 • Lab ID: E82574
- Tallahassee: 2639 North Monroe St., Suite D, Ft. 32303 • 904.219.8774 • Lab ID: E811095
- Gainesville: 4935 SW 141st Blvd., Ft. 32608 • 352.377.2348 • Lab ID: E82001
- Miramar: 10200 USA Today Way, Ft. 33025 • 954.889.2289 • Lab ID: E82535
- Tampa: 9510 Progress Palm Ave., Ft. 33519 • 813.520.5515 • Lab ID: E84599

Client Name: City of Marco Island		Project Name: MARCO	
Address: 50 Bald Eagle Dr. Marco Island, FL 3141445		Project Number:	
Phone: 239-300-1462		PO Number:	
FAX:		FDEP Facility No.:	
Contact: Jason Tomasesetti		FDEP Facility Addr.:	
Sampled By: P Manard		Special Instructions:	
Turn Around Time: Standard X Rush		ADAPT	
AEL Profile #: 65884		EQUIS	
SAMPLE ID		Other	
SAMPLE DESCRIPTION		WIN	
E_WINTERBERRY_BRIDGE	Grab	9/26/22 12:05	SW 4
MCILVAINE	Grab	10:18	SW 4
HUMMINGBIRD	Grab	10:30	SW 4
HOLLYHOCK	Grab	10:41	SW 4
WINDMILL	Grab	10:50	SW 4
EQUIPMENT_BLANK	Grab	10:58	SW 4
Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge		Preservation Code: 1 = Ice H=(HCl) S=(H2SO4) N=(HNO3) T=(Sodium Thiosulfate)	
Received on Ice <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Temp taken from sample <input type="checkbox"/> Temp from blank <input checked="" type="checkbox"/> Where required, pH checked		Temp. when received (observed) _____ °C Temp. when received (corrected) _____ °C	
DCK: AD-D05/web From last revised 08/07/2019		Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 3A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: V E: JA	
Relinquished by: _____ Date: 9/26/22 Time: 12:05		Received by: _____ Date: 9/20 Time: 12:05	
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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	08:26	08:28	08:35	08:38	08:47	08:50	08:56	08:58
SAMPLE DEPTH	0.30m top	2.00	0.30m top	1.0	0.30 top	3.0	0.30 top	1.0
TOTAL DEPTH	2.25	2.25	1.5	1.5	3.5	3.5	1.5	1.5
TEMP /C	30.2	30.3	30.7	30.8	30.9	30.9	30.6	30.7
D.O. mg / L	4.40	3.81	3.87	3.71	4.90	4.77	3.96	3.73
D.O. % sat.	70.2	61.2	62.7	61.7	78.8	77.9	63.5	61.6
CONDUCTIVITY(umhos)	50,881	51,002	52,698	53,059	50,667	50,699	50,344	50,448
SALINITY ppt.	33.23	33.31	34.55	34.81	33.05	33.08	32.82	32.90
pH su.	8.12	8.13	8.12	8.29	8.14	8.12	8.18	8.15
SECCHI DEPTH	1.5	1.5	1.5	1.5	1.75	1.75	1.5	1.5

FIELD COMMENTS:					
WEATHER :	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

Authentication

SAMPLED BY: (PRINT) /	B.Miller / AEL	Sampler's Signature	<i>B.Miller</i>	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES				9/20/22

Advanced Environmental Laboratories, Inc

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

SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP	HC CENTER	HC CENTER
SAMPLE TIME	09:06	09:09	09:16	09:19	09:21	09:23	09:30	09:33
SAMPLE DEPTH	0.30 top	2.0	0.30 top	2.0	0.30 top	2.0	0.30 top	1.0
TOTAL DEPTH	2.5	2.5	2.5	2.5	2.5	2.5	1.5	1.5
TEMP /C	31.2	31.2	31.2	31.3	31.2	31.3	31.0	31.0
D.O. mg / L	3.84	3.79	4.20	3.87	4.21	3.85	4.65	4.48
D.O. % sat.	62.9	61.4	68.9	63.7	68.5	63.4	74.7	71.8
CONDUCTIVITY(umhos)	49,723	49,833	51,725	51,921	51,732	51,928	49,565	49,567
SALINITY ppt.	32.36	32.43	33.81	33.96	33.85	33.93	32.25	32.26
pH su.	8.14	8.12	8.16	8.12	8.15	8.13	8.27	8.24
SECCHI DEPTH	2.0	2.0	2.5	2.5	2.5	2.5	1.5	1.5

FIELD COMMENTS:					
WEATHER :	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

Authentication

SAMPLED BY: (PRINT) /	B.Miller / AEL	Sampler's Signature	<i>B.Miller</i>	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES				9/20/22

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	09:45	09:47	09:55	09:57	10:05	10:07	10:18	10:20
SAMPLE DEPTH	0.30 top	2.0	0.30 top	2.0	0.30 top	2.0	0.30 top	2.5
TOTAL DEPTH	2.25	2.25	2.5	2.5	2.5	2.5	3.0	3.0
TEMP /C	31.9	32.0	30.9	30.9	31.0	31.0	30.7	30.7
D.O. mg / L	2.85	3.10	4.62	4.36	4.94	4.90	4.03	3.84
D.O. % sat.	46.8	51.2	75.7	70.5	81.3	80.2	65.2	62.5
CONDUCTIVITY(umhos)	52,096	52,610	51,944	51,941	52,212	52,236	52,539	52,544
SALINITY ppt.	34.05	34.44	33.99	33.99	34.18	34.20	34.44	34.44
pH su.	8.08	8.09	8.35	8.30	8.13	8.15	8.13	8.13
SECCHI DEPTH	1.5	1.5	2.0	2.0	1.5	1.5	1.5	1.5

FIELD COMMENTS:					
WEATHER :	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

Authentication

SAMPLED BY: (PRINT) /	B.Miller / AEL	Sampler's Signature	<i>B.Miller</i>	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES				9/20/22

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND				Site Name:	MARCO ISLAND WATERWAYS		
Water Sample Parameters								
SAMPLE LOCATION	HUMMING BIRD	HUMMING BIRD	HOLLY HOCK	HOLLY HOCK	WINDMILL	WINDMILL	EQUIP BLANK	
SAMPLE TIME	10:30	10:32	10:41	10:43	10:50	10:52	1042	
SAMPLE DEPTH	0.30 top	1.5	0.30 top	1.5	0.30 top	2.0	NA	
TOTAL DEPTH	2.0	2.0	2.0	2.0	2.5	2.5	NA	
TEMP /C	31.0	31.1	31.1	31.0	30.9	30.7	NA	
D.O. mg / L	5.69	5.58	4.28	3.52	5.01	4.12	NA	
D.O. % sat.	91.1	89.9	69.2	56.9	80.1	65.1	NA	
CONDUCTIVITY(umhos)	48,622	48,763	49,452	49,518	48,998	49,671	NA	
SALINITY ppt.	31.56	31.65	32.16	32.20	31.83	32.37	NA	
pH su.	8.29	8.41	7.98	7.92	8.05	8.01	NA	
SECCHI DEPTH	2.0	2.0	2.0	2.0	1.5	1.5	NA	
FIELD COMMENTS:							NA	
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) /	B.Miller / AEL				Sampler's Signature	<i>B.Miller</i>		Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES								9/20/22