



Advanced Environmental Laboratories, Inc
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FINAL

Workorder: MARCO (F2203279)

August 11, 2022

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

RE: Workorder: F2203279 MARCO

Dear Storm Gewirtz:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday July 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,

A handwritten signature in black ink that reads "Josh Snead".

Josh Snead, Laboratory Manager
JSnead@aellab.com

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Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279001	BARFIELD_BRIDGE	WA	Calculation	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	DISRES	07/20/2022 08:11	07/20/2022 11:51	3	NA
F2203279001	BARFIELD_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	EPA 180.1	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	EPA 351.2	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	EPA 365.3	07/20/2022 08:11	07/20/2022 11:51	1	NA
F2203279001	BARFIELD_BRIDGE	WA	Field Measurements	07/20/2022 08:11	07/20/2022 11:51	6	NA
F2203279001	BARFIELD_BRIDGE	WA	SM 10200 H	07/20/2022 08:11	07/20/2022 11:51	2	NA
F2203279001	BARFIELD_BRIDGE	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:11	07/20/2022 11:51	3	NA
F2203279002	OLDE_MARCO	WA	Calculation	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	DISRES	07/20/2022 08:20	07/20/2022 11:51	3	NA
F2203279002	OLDE_MARCO	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	EPA 180.1	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	EPA 351.2	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	EPA 365.3	07/20/2022 08:20	07/20/2022 11:51	1	NA
F2203279002	OLDE_MARCO	WA	Field Measurements	07/20/2022 08:20	07/20/2022 11:51	6	NA
F2203279002	OLDE_MARCO	WA	SM 10200 H	07/20/2022 08:20	07/20/2022 11:51	2	NA
F2203279002	OLDE_MARCO	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:20	07/20/2022 11:51	3	NA
F2203279003	JH_PARK	WA	Calculation	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	DISRES	07/20/2022 08:30	07/20/2022 11:51	3	NA
F2203279003	JH_PARK	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	EPA 180.1	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	EPA 351.2	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	EPA 365.3	07/20/2022 08:30	07/20/2022 11:51	1	NA
F2203279003	JH_PARK	WA	Field Measurements	07/20/2022 08:30	07/20/2022 11:51	6	NA
F2203279003	JH_PARK	WA	SM 10200 H	07/20/2022 08:30	07/20/2022 11:51	2	NA
F2203279003	JH_PARK	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:30	07/20/2022 11:51	3	NA
F2203279004	KENDALL	WA	Calculation	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	DISRES	07/20/2022 08:42	07/20/2022 11:51	3	NA
F2203279004	KENDALL	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	EPA 180.1	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	EPA 351.2	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	EPA 365.3	07/20/2022 08:42	07/20/2022 11:51	1	NA
F2203279004	KENDALL	WA	Field Measurements	07/20/2022 08:42	07/20/2022 11:51	6	NA

Thursday, August 11, 2022 9:49:15 PM
 Dates and times are displayed using (-04:00)
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NELAP Accredited E84492



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Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279004	KENDALL	WA	SM 10200 H	07/20/2022 08:42	07/20/2022 11:51	2	NA
F2203279004	KENDALL	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:42	07/20/2022 11:51	3	NA
F2203279005	COLLIER_BRIDGE	WA	Calculation	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	DISRES	07/20/2022 08:50	07/20/2022 11:51	3	NA
F2203279005	COLLIER_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	EPA 180.1	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	EPA 351.2	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	EPA 365.3	07/20/2022 08:50	07/20/2022 11:51	1	NA
F2203279005	COLLIER_BRIDGE	WA	Field Measurements	07/20/2022 08:50	07/20/2022 11:51	6	NA
F2203279005	COLLIER_BRIDGE	WA	SM 10200 H	07/20/2022 08:50	07/20/2022 11:51	2	NA
F2203279005	COLLIER_BRIDGE	WA	SM 4500NO3-F (Low Level)	07/20/2022 08:50	07/20/2022 11:51	3	NA
F2203279006	LANDMARK	WA	Calculation	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	DISRES	07/20/2022 09:01	07/20/2022 11:51	3	NA
F2203279006	LANDMARK	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	EPA 180.1	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	EPA 351.2	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	EPA 365.3	07/20/2022 09:01	07/20/2022 11:51	1	NA
F2203279006	LANDMARK	WA	Field Measurements	07/20/2022 09:01	07/20/2022 11:51	6	NA
F2203279006	LANDMARK	WA	SM 10200 H	07/20/2022 09:01	07/20/2022 11:51	2	NA
F2203279006	LANDMARK	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:01	07/20/2022 11:51	3	NA
F2203279007	LANDMARK_DUP	WA	Calculation	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	DISRES	07/20/2022 09:04	07/20/2022 11:51	3	NA
F2203279007	LANDMARK_DUP	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	EPA 180.1	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	EPA 351.2	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	EPA 365.3	07/20/2022 09:04	07/20/2022 11:51	1	NA
F2203279007	LANDMARK_DUP	WA	Field Measurements	07/20/2022 09:04	07/20/2022 11:51	6	NA
F2203279007	LANDMARK_DUP	WA	SM 10200 H	07/20/2022 09:04	07/20/2022 11:51	2	NA
F2203279007	LANDMARK_DUP	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:04	07/20/2022 11:51	3	NA
F2203279008	HC_CENTER	WA	Calculation	07/20/2022 09:14	07/20/2022 11:51	1	NA
F2203279008	HC_CENTER	WA	DISRES	07/20/2022 09:14	07/20/2022 11:51	3	NA
F2203279008	HC_CENTER	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:14	07/20/2022 11:51	1	NA
F2203279008	HC_CENTER	WA	EPA 180.1	07/20/2022 09:14	07/20/2022 11:51	1	NA
F2203279008	HC_CENTER	WA	EPA 351.2	07/20/2022 09:14	07/20/2022 11:51	1	NA

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Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279008	HC_CENTER	WA	EPA 365.3	07/20/2022 09:14	07/20/2022 11:51	1	NA
F2203279008	HC_CENTER	WA	Field Measurements	07/20/2022 09:14	07/20/2022 11:51	6	NA
F2203279008	HC_CENTER	WA	SM 10200 H	07/20/2022 09:14	07/20/2022 11:51	2	NA
F2203279008	HC_CENTER	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:14	07/20/2022 11:51	3	NA
F2203279009	SWALLOW	WA	Calculation	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	DISRES	07/20/2022 09:29	07/20/2022 11:51	3	NA
F2203279009	SWALLOW	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	EPA 180.1	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	EPA 351.2	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	EPA 365.3	07/20/2022 09:29	07/20/2022 11:51	1	NA
F2203279009	SWALLOW	WA	Field Measurements	07/20/2022 09:29	07/20/2022 11:51	6	NA
F2203279009	SWALLOW	WA	SM 10200 H	07/20/2022 09:29	07/20/2022 11:51	2	NA
F2203279009	SWALLOW	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:29	07/20/2022 11:51	3	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	Calculation	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	DISRES	07/20/2022 09:40	07/20/2022 11:51	3	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	EPA 180.1	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	EPA 351.2	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	EPA 365.3	07/20/2022 09:40	07/20/2022 11:51	1	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	Field Measurements	07/20/2022 09:40	07/20/2022 11:51	6	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	SM 10200 H	07/20/2022 09:40	07/20/2022 11:51	2	NA
F2203279010	W_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:40	07/20/2022 11:51	3	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	Calculation	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	DISRES	07/20/2022 09:49	07/20/2022 11:51	3	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	EPA 180.1	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	EPA 351.2	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	EPA 365.3	07/20/2022 09:49	07/20/2022 11:51	1	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	Field Measurements	07/20/2022 09:49	07/20/2022 11:51	6	NA
F2203279011	E_WINTERBERRY_BRIDGE	WA	SM 10200 H	07/20/2022 09:49	07/20/2022 11:51	2	NA

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Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279011	E_WINTERBERRY_BRIDG E	WA	SM 4500NO3-F (Low Level)	07/20/2022 09:49	07/20/2022 11:51	3	NA
F2203279012	MCILVAINE	WA	Calculation	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	DISRES	07/20/2022 10:01	07/20/2022 11:51	3	NA
F2203279012	MCILVAINE	WA	ENTEROLERT/ QUANTI- TRAY	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	EPA 180.1	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	EPA 351.2	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	EPA 365.3	07/20/2022 10:01	07/20/2022 11:51	1	NA
F2203279012	MCILVAINE	WA	Field Measurements	07/20/2022 10:01	07/20/2022 11:51	6	NA
F2203279012	MCILVAINE	WA	SM 10200 H	07/20/2022 10:01	07/20/2022 11:51	2	NA
F2203279012	MCILVAINE	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:01	07/20/2022 11:51	3	NA
F2203279013	HUMMINGBIRD	WA	Calculation	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	DISRES	07/20/2022 10:15	07/20/2022 11:51	3	NA
F2203279013	HUMMINGBIRD	WA	ENTEROLERT/ QUANTI- TRAY	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	EPA 180.1	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	EPA 351.2	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	EPA 365.3	07/20/2022 10:15	07/20/2022 11:51	1	NA
F2203279013	HUMMINGBIRD	WA	Field Measurements	07/20/2022 10:15	07/20/2022 11:51	6	NA
F2203279013	HUMMINGBIRD	WA	SM 10200 H	07/20/2022 10:15	07/20/2022 11:51	2	NA
F2203279013	HUMMINGBIRD	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:15	07/20/2022 11:51	3	NA
F2203279014	HOLLYHOCK	WA	Calculation	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	DISRES	07/20/2022 10:25	07/20/2022 11:51	3	NA
F2203279014	HOLLYHOCK	WA	ENTEROLERT/ QUANTI- TRAY	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	EPA 180.1	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	EPA 351.2	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	EPA 365.3	07/20/2022 10:25	07/20/2022 11:51	1	NA
F2203279014	HOLLYHOCK	WA	Field Measurements	07/20/2022 10:25	07/20/2022 11:51	6	NA
F2203279014	HOLLYHOCK	WA	SM 10200 H	07/20/2022 10:25	07/20/2022 11:51	2	NA
F2203279014	HOLLYHOCK	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:25	07/20/2022 11:51	3	NA
F2203279015	WINDMILL	WA	Calculation	07/20/2022 10:37	07/20/2022 11:51	1	NA
F2203279015	WINDMILL	WA	DISRES	07/20/2022 10:37	07/20/2022 11:51	3	NA
F2203279015	WINDMILL	WA	ENTEROLERT/ QUANTI- TRAY	07/20/2022 10:37	07/20/2022 11:51	1	NA
F2203279015	WINDMILL	WA	EPA 180.1	07/20/2022 10:37	07/20/2022 11:51	1	NA
F2203279015	WINDMILL	WA	EPA 351.2	07/20/2022 10:37	07/20/2022 11:51	1	NA

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Workorder: MARCO (F2203279)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2203279015	WINDMILL	WA	EPA 365.3	07/20/2022 10:37	07/20/2022 11:51	1	NA
F2203279015	WINDMILL	WA	Field Measurements	07/20/2022 10:37	07/20/2022 11:51	6	NA
F2203279015	WINDMILL	WA	SM 10200 H	07/20/2022 10:37	07/20/2022 11:51	2	NA
F2203279015	WINDMILL	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:37	07/20/2022 11:51	3	NA
F2203279016	EQUIPMENT_BLANK	WA	Calculation	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	ENTEROLERT/ QUANTI-TRAY	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	EPA 180.1	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	EPA 351.2	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	EPA 365.3	07/20/2022 10:42	07/20/2022 11:51	1	NA
F2203279016	EQUIPMENT_BLANK	WA	SM 10200 H	07/20/2022 10:42	07/20/2022 11:51	2	NA
F2203279016	EQUIPMENT_BLANK	WA	SM 4500NO3-F (Low Level)	07/20/2022 10:42	07/20/2022 11:51	3	NA

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Workorder: MARCO (F2203279)

Workorder Summary

Task Comments

F2203279007 (LANDMARK_DUP) - WCAg/7363 - TKN,E351.2 Analysis,Water

The relative percent difference (RPD) for the following analyte(s) in the replicate matrix spike analyses of F2203279007 was outside control criteria: TKN. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

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Workorder: MARCO (F2203279)

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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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279001 **Date Collected:** 07/20/2022 08:11 **Matrix:** Water
Sample ID: BARFIELD_BRIDGE **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 08:11	07/20/2022 08:11	X
Secchi Disc	1.5	meters			1	07/20/2022 08:11	07/20/2022 08:11	X
Total Depth	2	meters			1	07/20/2022 08:11	07/20/2022 08:11	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	49508	umhos/cm			1	07/20/2022 08:11	07/20/2022 08:11	F
DO Saturation %	81.6	%			1	07/20/2022 08:11	07/20/2022 08:11	F
Dissolved Oxygen	5.07	mg/L			1	07/20/2022 08:11	07/20/2022 08:11	F
Salinity	32.2	ppt			1	07/20/2022 08:11	07/20/2022 08:11	F
Temperature	31.1	°C			1	07/20/2022 08:11	07/20/2022 08:11	F
pH	8.12	SU			1	07/20/2022 08:11	07/20/2022 08:11	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.220	mg/L	0.2	0.12	1	08/11/2022 14:47	08/11/2022 14:47	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.220 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	3	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.097	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.009 I	mg/L	0.01	0.0060	1	07/21/2022 13:31	07/21/2022 13:31	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	07/21/2022 13:31	07/21/2022 13:31	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:31	07/21/2022 13:31	T





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FINAL

Workorder: MARCO (F2203279)

Analytical Results

Analysis Results Comments

Corrected Chlorophyll A

Samples F2203279001-16 were filtered on 07/21/2022 at 17:01

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Workorder: MARCO (F2203279)

Analytical Results

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2203279002 Date Collected: 07/20/2022 08:20 Matrix: Water								
Sample ID: OLDE_MARCO Date Received: 07/20/2022 11:51								
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 08:20	07/20/2022 08:20	X
Secchi Disc	1.5	meters			1	07/20/2022 08:20	07/20/2022 08:20	X
Total Depth	1.5	meters			1	07/20/2022 08:20	07/20/2022 08:20	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	51435	umhos/cm			1	07/20/2022 08:20	07/20/2022 08:20	F
DO Saturation %	60.2	%			1	07/20/2022 08:20	07/20/2022 08:20	F
Dissolved Oxygen	3.7	mg/L			1	07/20/2022 08:20	07/20/2022 08:20	F
Salinity	33.61	ppt			1	07/20/2022 08:20	07/20/2022 08:20	F
Temperature	31.1	°C			1	07/20/2022 08:20	07/20/2022 08:20	F
pH	8.24	SU			1	07/20/2022 08:20	07/20/2022 08:20	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.303	mg/L	0.2	0.12	1	08/11/2022 14:47	08/11/2022 14:47	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.303 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.068	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	07/21/2022 13:32	07/21/2022 13:32	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	07/21/2022 13:32	07/21/2022 13:32	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:32	07/21/2022 13:32	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279003 **Date Collected:** 07/20/2022 08:30 **Matrix:** Water
Sample ID: JH_PARK **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 08:30	07/20/2022 08:30	X
Secchi Disc	2	meters			1	07/20/2022 08:30	07/20/2022 08:30	X
Total Depth	3	meters			1	07/20/2022 08:30	07/20/2022 08:30	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	47930	umhos/cm			1	07/20/2022 08:30	07/20/2022 08:30	F
DO Saturation %	87	%			1	07/20/2022 08:30	07/20/2022 08:30	F
Dissolved Oxygen	5.41	mg/L			1	07/20/2022 08:30	07/20/2022 08:30	F
Salinity	31.04	ppt			1	07/20/2022 08:30	07/20/2022 08:30	F
Temperature	31.5	°C			1	07/20/2022 08:30	07/20/2022 08:30	F
pH	8.25	SU			1	07/20/2022 08:30	07/20/2022 08:30	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.240	mg/L	0.2	0.12	1	08/11/2022 14:47	08/11/2022 14:47	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.240 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.212	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	3.2	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:32	07/21/2022 13:32	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:32	07/21/2022 13:32	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:32	07/21/2022 13:32	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279004 **Date Collected:** 07/20/2022 08:42 **Matrix:** Water
Sample ID: KENDALL **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 08:42	07/20/2022 08:42	X
Secchi Disc	1.5	meters			1	07/20/2022 08:42	07/20/2022 08:42	X
Total Depth	1.5	meters			1	07/20/2022 08:42	07/20/2022 08:42	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	49099	umhos/cm			1	07/20/2022 08:42	07/20/2022 08:42	F
DO Saturation %	70.6	%			1	07/20/2022 08:42	07/20/2022 08:42	F
Dissolved Oxygen	4.39	mg/L			1	07/20/2022 08:42	07/20/2022 08:42	F
Salinity	31.88	ppt			1	07/20/2022 08:42	07/20/2022 08:42	F
Temperature	31.5	°C			1	07/20/2022 08:42	07/20/2022 08:42	F
pH	8.29	SU			1	07/20/2022 08:42	07/20/2022 08:42	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.407	mg/L	0.2	0.12	1	08/11/2022 14:47	08/11/2022 14:47	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.407 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	3	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.038	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	6.4	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.009 I	mg/L	0.01	0.0060	1	07/21/2022 13:33	07/21/2022 13:33	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	07/21/2022 13:33	07/21/2022 13:33	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:33	07/21/2022 13:33	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279005 **Date Collected:** 07/20/2022 08:50 **Matrix:** Water
Sample ID: COLLIER_BRIDGE **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 08:50	07/20/2022 08:50	X
Secchi Disc	1.75	meters			1	07/20/2022 08:50	07/20/2022 08:50	X
Total Depth	1.75	meters			1	07/20/2022 08:50	07/20/2022 08:50	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	48000	umhos/cm			1	07/20/2022 08:50	07/20/2022 08:50	F
DO Saturation %	59.6	%			1	07/20/2022 08:50	07/20/2022 08:50	F
Dissolved Oxygen	3.68	mg/L			1	07/20/2022 08:50	07/20/2022 08:50	F
Salinity	31.07	ppt			1	07/20/2022 08:50	07/20/2022 08:50	F
Temperature	31.7	°C			1	07/20/2022 08:50	07/20/2022 08:50	F
pH	8.2	SU			1	07/20/2022 08:50	07/20/2022 08:50	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.306	mg/L	0.2	0.12	1	08/11/2022 14:48	08/11/2022 14:48	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.306 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.076	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	4.4	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:34	07/21/2022 13:34	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:34	07/21/2022 13:34	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:34	07/21/2022 13:34	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279006 **Date Collected:** 07/20/2022 09:01 **Matrix:** Water
Sample ID: LANDMARK **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 09:01	07/20/2022 09:01	X
Secchi Disc	0.75	meters			1	07/20/2022 09:01	07/20/2022 09:01	X
Total Depth	2	meters			1	07/20/2022 09:01	07/20/2022 09:01	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	50003	umhos/cm			1	07/20/2022 09:01	07/20/2022 09:01	F
DO Saturation %	75.4	%			1	07/20/2022 09:01	07/20/2022 09:01	F
Dissolved Oxygen	4.54	mg/L			1	07/20/2022 09:01	07/20/2022 09:01	F
Salinity	32.49	ppt			1	07/20/2022 09:01	07/20/2022 09:01	F
Temperature	32.5	°C			1	07/20/2022 09:01	07/20/2022 09:01	F
pH	8.32	SU			1	07/20/2022 09:01	07/20/2022 09:01	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	41	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.248	mg/L	0.2	0.12	1	08/11/2022 14:48	08/11/2022 14:48	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.248 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.116	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	6.4	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:35	07/21/2022 13:35	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:35	07/21/2022 13:35	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:35	07/21/2022 13:35	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279007 **Date Collected:** 07/20/2022 09:04 **Matrix:** Water
Sample ID: LANDMARK_DUP **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 09:04	07/20/2022 09:04	X
Secchi Disc	0.75	meters			1	07/20/2022 09:04	07/20/2022 09:04	X
Total Depth	2	meters			1	07/20/2022 09:04	07/20/2022 09:04	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	50018	umhos/cm			1	07/20/2022 09:04	07/20/2022 09:04	F
DO Saturation %	74.7	%			1	07/20/2022 09:04	07/20/2022 09:04	F
Dissolved Oxygen	4.46	mg/L			1	07/20/2022 09:04	07/20/2022 09:04	F
Salinity	32.5	ppt			1	07/20/2022 09:04	07/20/2022 09:04	F
Temperature	32.5	°C			1	07/20/2022 09:04	07/20/2022 09:04	F
pH	8.32	SU			1	07/20/2022 09:04	07/20/2022 09:04	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	41	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	08/11/2022 14:48	08/11/2022 14:48	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.110	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	07/21/2022 13:35	07/21/2022 13:35	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	07/21/2022 13:35	07/21/2022 13:35	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:35	07/21/2022 13:35	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279008 **Date Collected:** 07/20/2022 09:14 **Matrix:** Water
Sample ID: HC_CENTER **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 09:14	07/20/2022 09:14	X
Secchi Disc	1.25	meters			1	07/20/2022 09:14	07/20/2022 09:14	X
Total Depth	1.25	meters			1	07/20/2022 09:14	07/20/2022 09:14	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	47918	umhos/cm			1	07/20/2022 09:14	07/20/2022 09:14	F
DO Saturation %	59.2	%			1	07/20/2022 09:14	07/20/2022 09:14	F
Dissolved Oxygen	3.65	mg/L			1	07/20/2022 09:14	07/20/2022 09:14	F
Salinity	31.01	ppt			1	07/20/2022 09:14	07/20/2022 09:14	F
Temperature	31.7	°C			1	07/20/2022 09:14	07/20/2022 09:14	F
pH	8.3	SU			1	07/20/2022 09:14	07/20/2022 09:14	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.290	mg/L	0.2	0.12	1	08/11/2022 14:48	08/11/2022 14:48	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.290 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.070	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:36	07/21/2022 13:36	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:36	07/21/2022 13:36	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:36	07/21/2022 13:36	T





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Workorder: MARCO (F2203279)

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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279009 **Date Collected:** 07/20/2022 09:29 **Matrix:** Water
Sample ID: SWALLOW **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 09:29	07/20/2022 09:29	X
Secchi Disc	1.5	meters			1	07/20/2022 09:29	07/20/2022 09:29	X
Total Depth	2.25	meters			1	07/20/2022 09:29	07/20/2022 09:29	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	49877	umhos/cm			1	07/20/2022 09:29	07/20/2022 09:29	F
DO Saturation %	50.4	%			1	07/20/2022 09:29	07/20/2022 09:29	F
Dissolved Oxygen	3.05	mg/L			1	07/20/2022 09:29	07/20/2022 09:29	F
Salinity	32.42	ppt			1	07/20/2022 09:29	07/20/2022 09:29	F
Temperature	32	°C			1	07/20/2022 09:29	07/20/2022 09:29	F
pH	8.28	SU			1	07/20/2022 09:29	07/20/2022 09:29	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.248	mg/L	0.2	0.12	1	08/11/2022 14:49	08/11/2022 14:49	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.214 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.9	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.094	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.03	mg/L	0.01	0.0060	1	07/21/2022 13:37	07/21/2022 13:37	T
Nitrate + Nitrite	0.03	mg/L	0.02	0.010	1	07/21/2022 13:37	07/21/2022 13:37	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:37	07/21/2022 13:37	T





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Analytical Results

Lab ID: F2203279010 **Date Collected:** 07/20/2022 09:40 **Matrix:** Water
Sample ID: W_WINTERBERRY_BRID **Date Received:** 07/20/2022 11:51
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 09:40	07/20/2022 09:40	X
Secchi Disc	1.5	meters			1	07/20/2022 09:40	07/20/2022 09:40	X
Total Depth	2.5	meters			1	07/20/2022 09:40	07/20/2022 09:40	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	50255	umhos/cm			1	07/20/2022 09:40	07/20/2022 09:40	F
DO Saturation %	63	%			1	07/20/2022 09:40	07/20/2022 09:40	F
Dissolved Oxygen	3.88	mg/L			1	07/20/2022 09:40	07/20/2022 09:40	F
Salinity	32.74	ppt			1	07/20/2022 09:40	07/20/2022 09:40	F
Temperature	31.4	°C			1	07/20/2022 09:40	07/20/2022 09:40	F
pH	8.15	SU			1	07/20/2022 09:40	07/20/2022 09:40	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	08/11/2022 14:49	08/11/2022 14:49	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.054	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	5.6	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:39	07/21/2022 13:39	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:39	07/21/2022 13:39	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:39	07/21/2022 13:39	T





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Workorder: MARCO (F2203279)

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Lab ID: F2203279011 **Date Collected:** 07/20/2022 09:49 **Matrix:** Water
Sample ID: E_WINTERBERRY_BRID **Date Received:** 07/20/2022 11:51
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 09:49	07/20/2022 09:49	X
Secchi Disc	1	meters			1	07/20/2022 09:49	07/20/2022 09:49	X
Total Depth	2	meters			1	07/20/2022 09:49	07/20/2022 09:49	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	50208	umhos/cm			1	07/20/2022 09:49	07/20/2022 09:49	F
DO Saturation %	82.8	%			1	07/20/2022 09:49	07/20/2022 09:49	F
Dissolved Oxygen	5.07	mg/L			1	07/20/2022 09:49	07/20/2022 09:49	F
Salinity	32.67	ppt			1	07/20/2022 09:49	07/20/2022 09:49	F
Temperature	31.9	°C			1	07/20/2022 09:49	07/20/2022 09:49	F
pH	8.25	SU			1	07/20/2022 09:49	07/20/2022 09:49	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.397	mg/L	0.2	0.12	1	08/11/2022 14:49	08/11/2022 14:49	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.397 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	3	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.110	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:47	07/21/2022 13:47	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:47	07/21/2022 13:47	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:47	07/21/2022 13:47	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279012 **Date Collected:** 07/20/2022 10:01 **Matrix:** Water
Sample ID: MCILVAINE **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 10:01	07/20/2022 10:01	X
Secchi Disc	1.5	meters			1	07/20/2022 10:01	07/20/2022 10:01	X
Total Depth	2	meters			1	07/20/2022 10:01	07/20/2022 10:01	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	51200	umhos/cm			1	07/20/2022 10:01	07/20/2022 10:01	F
DO Saturation %	71.3	%			1	07/20/2022 10:01	07/20/2022 10:01	F
Dissolved Oxygen	4.4	mg/L			1	07/20/2022 10:01	07/20/2022 10:01	F
Salinity	33.44	ppt			1	07/20/2022 10:01	07/20/2022 10:01	F
Temperature	31.2	°C			1	07/20/2022 10:01	07/20/2022 10:01	F
pH	8.22	SU			1	07/20/2022 10:01	07/20/2022 10:01	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.699	mg/L	0.2	0.12	1	08/11/2022 14:49	08/11/2022 14:49	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.699	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.113	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	07/21/2022 13:47	07/21/2022 13:47	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	07/21/2022 13:47	07/21/2022 13:47	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:47	07/21/2022 13:47	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279013 **Date Collected:** 07/20/2022 10:15 **Matrix:** Water
Sample ID: HUMMINGBIRD **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 10:15	07/20/2022 10:15	X
Secchi Disc	1.5	meters			1	07/20/2022 10:15	07/20/2022 10:15	X
Total Depth	1.5	meters			1	07/20/2022 10:15	07/20/2022 10:15	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	46859	umhos/cm			1	07/20/2022 10:15	07/20/2022 10:15	F
DO Saturation %	62.3	%			1	07/20/2022 10:15	07/20/2022 10:15	F
Dissolved Oxygen	3.87	mg/L			1	07/20/2022 10:15	07/20/2022 10:15	F
Salinity	30.25	ppt			1	07/20/2022 10:15	07/20/2022 10:15	F
Temperature	31.7	°C			1	07/20/2022 10:15	07/20/2022 10:15	F
pH	8.22	SU			1	07/20/2022 10:15	07/20/2022 10:15	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.415	mg/L	0.2	0.12	1	08/11/2022 14:49	08/11/2022 14:49	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.415 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.097	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:48	07/21/2022 13:48	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:48	07/21/2022 13:48	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:48	07/21/2022 13:48	T





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Workorder: MARCO (F2203279)

Analytical Results

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2203279014 Date Collected: 07/20/2022 10:25 Matrix: Water								
Sample ID: HOLLYHOCK Date Received: 07/20/2022 11:51								
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 10:25	07/20/2022 10:25	X
Secchi Disc	1.5	meters			1	07/20/2022 10:25	07/20/2022 10:25	X
Total Depth	1.5	meters			1	07/20/2022 10:25	07/20/2022 10:25	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	47726	umhos/cm			1	07/20/2022 10:25	07/20/2022 10:25	F
DO Saturation %	60.7	%			1	07/20/2022 10:25	07/20/2022 10:25	F
Dissolved Oxygen	3.78	mg/L			1	07/20/2022 10:25	07/20/2022 10:25	F
Salinity	30.88	ppt			1	07/20/2022 10:25	07/20/2022 10:25	F
Temperature	31.5	°C			1	07/20/2022 10:25	07/20/2022 10:25	F
pH	8.13	SU			1	07/20/2022 10:25	07/20/2022 10:25	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.412	mg/L	0.2	0.12	1	08/11/2022 14:50	08/11/2022 14:50	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.391 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.10	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	07/21/2022 13:49	07/21/2022 13:49	T
Nitrate + Nitrite	0.02	mg/L	0.02	0.010	1	07/21/2022 13:49	07/21/2022 13:49	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:49	07/21/2022 13:49	T





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Workorder: MARCO (F2203279)

Analytical Results

Lab ID: F2203279015 **Date Collected:** 07/20/2022 10:37 **Matrix:** Water
Sample ID: WINDMILL **Date Received:** 07/20/2022 11:51

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	07/20/2022 10:37	07/20/2022 10:37	X
Secchi Disc	1.5	meters			1	07/20/2022 10:37	07/20/2022 10:37	X
Total Depth	2.5	meters			1	07/20/2022 10:37	07/20/2022 10:37	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	47353	umhos/cm			1	07/20/2022 10:37	07/20/2022 10:37	F
DO Saturation %	73.2	%			1	07/20/2022 10:37	07/20/2022 10:37	F
Dissolved Oxygen	4.55	mg/L			1	07/20/2022 10:37	07/20/2022 10:37	F
Salinity	30.6	ppt			1	07/20/2022 10:37	07/20/2022 10:37	F
Temperature	31.7	°C			1	07/20/2022 10:37	07/20/2022 10:37	F
pH	8.24	SU			1	07/20/2022 10:37	07/20/2022 10:37	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.437	mg/L	0.2	0.12	1	08/11/2022 14:50	08/11/2022 14:50	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.437 I	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.041	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	3.2	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:50	07/21/2022 13:50	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:50	07/21/2022 13:50	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:50	07/21/2022 13:50	T





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FINAL

Workorder: MARCO (F2203279)

Analytical Results

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Workorder: MARCO (F2203279)

Analytical Results

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2203279016 Date Collected: 07/20/2022 10:42 Matrix: Water								
Sample ID: EQUIPMENT_BLANK Date Received: 07/20/2022 11:51								
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1 U	MPN/100 mL	1	1	1	07/20/2022 14:59	07/20/2022 14:59	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	08/11/2022 14:50	08/11/2022 14:50	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	07/25/2022 16:10	07/26/2022 12:20	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.10 U	NTU	0.1	0.10	1	07/20/2022 14:50	07/20/2022 14:50	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.084	mg/L	0.01	0.005	1	07/25/2022 10:15	07/26/2022 12:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	07/22/2022 13:00	07/22/2022 13:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	07/21/2022 13:46	07/21/2022 13:46	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	07/21/2022 13:46	07/21/2022 13:46	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	07/21/2022 13:46	07/21/2022 13:46	T





FINAL

Workorder: MARCO (F2203279)

QC Results

QC Batch: MICf/1848 **Analysis Method:** ENTEROLERT/ QUANTI-TRAY
Preparation Method: ENTEROLERT/ QUANTI-TRAY
Associated Lab IDs: F2203279001, F2203279002, F2203279003, F2203279004, F2203279005, F2203279006, F2203279007, F2203279008, F2203279009, F2203279010, F2203279011, F2203279012, F2203279013, F2203279014, F2203279015, F2203279016

Method Blank(4399084)

Parameter	Results	Units	PQL	MDL	Lab
Enterococcus	1 U	MPN/100 mL	1	1	F





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Workorder: MARCO (F2203279)

QC Results

QC Batch: WCAf/2443 **Analysis Method:** EPA 180.1
Preparation Method: EPA 180.1
Associated Lab IDs: F2203279001, F2203279002, F2203279003, F2203279004, F2203279005, F2203279006, F2203279007, F2203279008, F2203279009, F2203279010, F2203279011, F2203279012, F2203279013, F2203279014, F2203279015, F2203279016

Method Blank(4400152)

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





FINAL

Workorder: MARCO (F2203279)

QC Results

QC Batch: WCAg/7314 **Analysis Method:** SM 10200 H
Preparation Method: SM 10200 H
Associated Lab IDs: F2203279001, F2203279002, F2203279003, F2203279004, F2203279005, F2203279006, F2203279007, F2203279008, F2203279009, F2203279010, F2203279011, F2203279012, F2203279013, F2203279014, F2203279015, F2203279016

Method Blank(4402428)

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

Method Blank(4402430)

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

QC Task Comments

Method Blank - 4402428 - 3478374

Filters were extracted on 07/22/2022 at 10:00





FINAL

Workorder: MARCO (F2203279)

QC Results

QC Batch: WCAg/7329 **Analysis Method:** EPA 365.3
Preparation Method: EPA 365.3
Associated Lab IDs: F2203279001, F2203279002, F2203279003, F2203279004, F2203279005, F2203279006, F2203279007, F2203279008, F2203279009, F2203279010, F2203279011, F2203279012, F2203279013, F2203279014, F2203279015, F2203279016

Method Blank(4403747)

Parameter	Results	Units	PQL	MDL	Lab
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	G

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Workorder: MARCO (F2203279)

QC Results

QC Batch: WCAg/7363 **Analysis Method:** EPA 351.2
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2203279001, F2203279002, F2203279003, F2203279004, F2203279005, F2203279006, F2203279007

Method Blank(4406424)

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





FINAL

Workorder: MARCO (F2203279)

QC Results

QC Batch: WCAg/7364 **Analysis Method:** EPA 365.4
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2203279001, F2203279002, F2203279003, F2203279004, F2203279005, F2203279006, F2203279007

Method Blank(4406425)

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 (F2203279)

QC Results

QC Batch: WCAg/7365 **Analysis Method:** EPA 351.2
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2203279008, F2203279009, F2203279010, F2203279011, F2203279012, F2203279013, F2203279014, F2203279015, F2203279016

Method Blank(4406448)

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





FINAL

Workorder: MARCO (F2203279)

QC Results

QC Batch: WCAg/7366 **Analysis Method:** EPA 365.4
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2203279008, F2203279009, F2203279010, F2203279011, F2203279012, F2203279013, F2203279014, F2203279015, F2203279016

Method Blank(4406449)

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





FINAL

Workorder: MARCO (F2203279)

QC Results

QC Batch: WCA1/13573 **Analysis Method:** SM 4500NO3-F (Low Level)
Preparation Method: SM 4500NO3-F (Low Level)
Associated Lab IDs: F2203279001, F2203279002, F2203279003, F2203279004, F2203279005, F2203279006, F2203279007, F2203279008, F2203279009, F2203279010

Method Blank(4400514)

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





FINAL

Workorder: MARCO (F2203279)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICf/1848 - ENTEROLERT/ QUANTI-TRAY			
F2203279001	BARFIELD_BRIDGE		
F2203279002	OLDE_MARCO		
F2203279003	JH_PARK		
F2203279004	KENDALL		
F2203279005	COLLIER_BRIDGE		
F2203279006	LANDMARK		
F2203279007	LANDMARK_DUP		
F2203279008	HC_CENTER		
F2203279009	SWALLOW		
F2203279010	W_WINTERBERRY_BRIDGE		
F2203279011	E_WINTERBERRY_BRIDGE		
F2203279012	MCILVAINE		
F2203279013	HUMMINGBIRD		
F2203279014	HOLLYHOCK		
F2203279015	WINDMILL		
F2203279016	EQUIPMENT_BLANK		
WCAf/2443 - EPA 180.1			
F2203279001	BARFIELD_BRIDGE		
F2203279002	OLDE_MARCO		
F2203279003	JH_PARK		
F2203279004	KENDALL		
F2203279005	COLLIER_BRIDGE		
F2203279006	LANDMARK		
F2203279007	LANDMARK_DUP		
F2203279008	HC_CENTER		
F2203279009	SWALLOW		
F2203279010	W_WINTERBERRY_BRIDGE		
F2203279011	E_WINTERBERRY_BRIDGE		
F2203279012	MCILVAINE		
F2203279013	HUMMINGBIRD		
F2203279014	HOLLYHOCK		
F2203279015	WINDMILL		
F2203279016	EQUIPMENT_BLANK		





FINAL

Workorder: MARCO (F2203279)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAg/7314 - SM 10200 H			
F2203279001	BARFIELD_BRIDGE		
F2203279002	OLDE_MARCO		
F2203279003	JH_PARK		
F2203279004	KENDALL		
F2203279005	COLLIER_BRIDGE		
F2203279006	LANDMARK		
F2203279007	LANDMARK_DUP		
F2203279008	HC_CENTER		
F2203279009	SWALLOW		
F2203279010	W_WINTERBERRY_BRIDGE		
F2203279011	E_WINTERBERRY_BRIDGE		
F2203279012	MCILVAINE		
F2203279013	HUMMINGBIRD		
F2203279014	HOLLYHOCK		
F2203279015	WINDMILL		
F2203279016	EQUIPMENT_BLANK		
WCAg/7329 - EPA 365.3			
F2203279001	BARFIELD_BRIDGE	WCAg/7327	EPA 365.3
F2203279002	OLDE_MARCO	WCAg/7327	EPA 365.3
F2203279003	JH_PARK	WCAg/7327	EPA 365.3
F2203279004	KENDALL	WCAg/7327	EPA 365.3
F2203279005	COLLIER_BRIDGE	WCAg/7327	EPA 365.3
F2203279006	LANDMARK	WCAg/7327	EPA 365.3
F2203279007	LANDMARK_DUP	WCAg/7327	EPA 365.3
F2203279008	HC_CENTER	WCAg/7327	EPA 365.3
F2203279009	SWALLOW	WCAg/7327	EPA 365.3
F2203279010	W_WINTERBERRY_BRIDGE	WCAg/7327	EPA 365.3
F2203279011	E_WINTERBERRY_BRIDGE	WCAg/7327	EPA 365.3
F2203279012	MCILVAINE	WCAg/7327	EPA 365.3
F2203279013	HUMMINGBIRD	WCAg/7327	EPA 365.3
F2203279014	HOLLYHOCK	WCAg/7327	EPA 365.3
F2203279015	WINDMILL	WCAg/7327	EPA 365.3
F2203279016	EQUIPMENT_BLANK	WCAg/7327	EPA 365.3

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Workorder: MARCO (F2203279)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAg/7363 - EPA 351.2			
F2203279001	BARFIELD_BRIDGE	WCAg/7357	Copper Sulfate Digestion
F2203279002	OLDE_MARCO	WCAg/7357	Copper Sulfate Digestion
F2203279003	JH_PARK	WCAg/7357	Copper Sulfate Digestion
F2203279004	KENDALL	WCAg/7357	Copper Sulfate Digestion
F2203279005	COLLIER_BRIDGE	WCAg/7357	Copper Sulfate Digestion
F2203279006	LANDMARK	WCAg/7357	Copper Sulfate Digestion
F2203279007	LANDMARK_DUP	WCAg/7357	Copper Sulfate Digestion
WCAg/7365 - EPA 351.2			
F2203279008	HC_CENTER	WCAg/7358	Copper Sulfate Digestion
F2203279009	SWALLOW	WCAg/7358	Copper Sulfate Digestion
F2203279010	W_WINTERBERRY_BRIDGE	WCAg/7358	Copper Sulfate Digestion
F2203279011	E_WINTERBERRY_BRIDGE	WCAg/7358	Copper Sulfate Digestion
F2203279012	MCILVAINE	WCAg/7358	Copper Sulfate Digestion
F2203279013	HUMMINGBIRD	WCAg/7358	Copper Sulfate Digestion
F2203279014	HOLLYHOCK	WCAg/7358	Copper Sulfate Digestion
F2203279015	WINDMILL	WCAg/7358	Copper Sulfate Digestion
F2203279016	EQUIPMENT_BLANK	WCAg/7358	Copper Sulfate Digestion
WCA/13573 - SM 4500NO3-F (Low Level)			
F2203279001	BARFIELD_BRIDGE		
F2203279002	OLDE_MARCO		
F2203279003	JH_PARK		
F2203279004	KENDALL		
F2203279005	COLLIER_BRIDGE		
F2203279006	LANDMARK		
F2203279007	LANDMARK_DUP		
F2203279008	HC_CENTER		
F2203279009	SWALLOW		
F2203279010	W_WINTERBERRY_BRIDGE		





FINAL

Workorder: MARCO (F2203279)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCA#13574 - SM 4500NO3-F (Low Level)			
F2203279011	E_WINTERBERRY_BRIDGE		
F2203279012	MCILVAINE		
F2203279013	HUMMINGBIRD		
F2203279014	HOLLYHOCK		
F2203279015	WINDMILL		
F2203279016	EQUIPMENT_BLANK		





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Workorder: MARCO (F2203279)



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- Fort Myers: 13100 Westlinks Terrace, Ste. 10, Ft. 33913 - 239.674.8130 - Lab ID: E84492
- Jacksonville: 6981 Southpoint Pkwy, Ft. 32216 - 904.963.9359 - Lab ID: E83574
- Tallahassee: 2039 North Monroe St., Ste. D, Ft. 32303 - 850.219.8274 - Lab ID: E811095

- Gainesville: 4965 SW 41st Blvd, Ft. 32608 - 352.377.2246 - Lab ID: E83001
- Miramar: 10200 USA Today Way, Ft. 33025 - 954.889.2888 - Lab ID: E83535
- Tampa: 9510 Princess Palm Ave., Ft. 33619 - 813.630.9515 - Lab ID: E84559

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE
			DATE	TIME				
	BARFIELD_BRIDGE	Grab	7/26/22	08:11	SW	4	NO2/NO3	250 mL Plastic
	OLDE_MARCO	Grab	08:20		SW	4	TKN/TP/TN	250 mL Plastic
	JH_PARK	Grab	08:30		SW	4	Chlor-A/Turbidity	1L Amb Plastic
	KENDALL	Grab	08:42		SW	4	Enterococci	100 mL Cup
	COLLIER_BRIDGE	Grab	08:50		SW	4		
	LANDMARK	Grab	09:01		SW	4		
	LANDMARK_DUP	Grab	09:04		SW	4		
	HC_CENTER	Grab	09:14		SW	4		
	SWALLOW	Grab	09:29		SW	4		
	W_WINTERBERRY_BRIDGE	Grab	09:40		SW	4		

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge	Received on ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temp taken from sample: <input type="checkbox"/> Temp from blank <input type="checkbox"/> Where required, pH checked
DON: AD-0051web Form last revised 08/07/2019	Device used for measuring Temp by unique identifier (Circle IR temp gun used)	Temp, when received (observed) 10.8 °C Temp, when received (corrected) 10.8 °C

FOR DRINKING WATER USE:	
Contact Person:	PWS ID:
Supplier of Water:	Site Address:





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Workorder: MARCO (F2203279)



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- Jacksonville: 681 Southside Pkwy., Ft. 32216 • 904-363-9350 • Lab ID: E82574
- Tallahassee: 2639 North Monroe St., Suite D, Ft. 32303 • 850-218-6274 • Lab ID: E811035

- Gainesville: 485 SW 41st Blvd., Ft. 32608 • 352-377-2348 • Lab ID: E82001
- Miramar: 10200 USA Today Way, Ft. 33025 • 954-889-2288 • Lab ID: E82535
- Tampa: 8610 Princess Palm Ave., Ft. 33519 • 813-830-9516 • Lab ID: E84589

F2203279

Client Name: City of Marco Island		Project Name: MARCO		BOTTLE SIZE & TYPE	
Address: 50 Bald Eagle Dr. Marco Island, FL 314145		Project Number:		250 mL Plastic	
Phone: 239-300-1462		PO Number:		250 mL Plastic	
FAX:		FDEP Facility No:		1L Amb Plastic	
Contact: Jason Tomasesetti		FDEP Facility Addr:		100 mL Cup	
Sampled By: P. Manard		Special Instructions:		NO2/NO3	
Turn Around Time: Standard X Rush		ADAPT		TKN/TP/TN	
AEL Profile #: 65884		EQUIS		Chlor-A/Turbidity	
SAMPLE ID		Other		Enterococci	
SAMPLE DESCRIPTION		Grab Comp		LABORATORY I.D. NUMBER	
E_WINTERBERRY_BRIDGE		DATE		011	
MCLVAINE		TIME		012	
HUMMINGBIRD		MATRIX		013	
HOLLYHOCK		NO.		014	
WINDMILL		COUNT		015	
EQUIPMENT_BLANK		SW		016	
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 He(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 type="checkbox"/> Where required, pH checked		Temp. when received (observed) 10.8 °C Temp. when received (corrected) 10.8 °C			
DCC: AD-D051web Form last revised 08/07/2019		Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V (E: 1A)			
Relinquished by: [Signature]		Date: 7/26/22		Time: 11:51	
Received by: [Signature]		Date: 7/26/22		Time: 11:51	

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



Advanced Environmental Laboratories, Inc

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

Water Sample Parameters

SAMPLE LOCATION	BARFIELD BRIDGE	BARFIELD BRIDGE	OLDE MARCO	OLDE MARCO	JH PARK	JH PARK	KENDALL	KENDALL
SAMPLE TIME	0811	0813	0820	0822	0830	0832	0842	0843
SAMPLE DEPTH	0.30m top	1.5	0.30m top	1.0	0.30m top	2.5	0.30m top	1.0
TOTAL DEPTH	2.0	2.0	1.5	1.5	3.0	3.0	1.5	1.5
TEMP /C	31.1	31.5	31.1	31.2	31.5	31.7	31.5	31.5
D.O. mg / L	5.07	4.41	3.70	4.17	5.41	4.20	4.39	4.75
D.O. % sat.	81.6	72.3	60.2	68.1	87.0	67.3	70.6	75.3
CONDUCTIVITY(umhos)	49508	51312	51435	51837	47930	49753	49099	49055
SALINITY ppt.	32.20	33.49	33.61	33.91	31.04	32.36	31.88	31.85
pH su.	8.12	8.11	8.24	8.23	8.25	8.22	8.29	8.24
SECCHI DEPTH	1.5	1.5	1.5	1.5	2.0	2.0	1.5	1.5

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

Authentication

SAMPLED BY: (PRINT) /	B.Miller / AEL	Sampler's Signature	<i>B.Miller</i>	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES				7/20/22

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	0850	0852	0901	0903	0904	0906	0914	0917
SAMPLE DEPTH	0.30m top	1.25	0.30m top	1.5	0.30m top	1.5	0.30m top	1.00
TOTAL DEPTH	1.75	1.75	2.0	2.0	2.0	2.0	1.25	1.25
TEMP /C	31.7	31.8	32.5	32.3	32.5	32.3	31.7	31.7
D.O. mg / L	3.68	3.26	4.54	4.21	4.46	4.24	3.65	3.06
D.O. % sat.	59.6	53.1	75.4	69.1	74.7	70.1	59.2	49.2
CONDUCTIVITY(umhos)	48000	48159	50003	50890	50018	50878	47918	47927
SALINITY ppt.	31.07	31.19	32.49	33.16	32.50	33.14	31.01	31.02
pH su.	8.20	8.17	8.32	8.34	8.32	8.34	8.30	8.23
SECCHI DEPTH	1.75	1.75	0.75	0.75	0.75	0.75	1.25	1.25

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

Authentication

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AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES				7/20/22

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	0929	0931	0940	0942	0949	0951	1001	1004
SAMPLE DEPTH	0.30m top	2.0	0.30m top	2.0	0.30m top	1.5	0.30m top	1.5
TOTAL DEPTH	2.25	2.25	2.5	2.5	2.0	2.0	2.0	2.0
TEMP /C	32.0	32.2	31.4	31.5	31.9	31.5	31.2	31.2
D.O. mg / L	3.05	2.81	3.88	3.71	5.07	3.65	4.40	4.43
D.O. % sat.	50.4	46.2	63.0	61.1	82.8	69.4	71.3	72.9
CONDUCTIVITY(umhos)	49877	50844	50255	50566	50208	51201	51200	51239
SALINITY ppt.	32.42	33.13	32.74	32.95	32.67	33.39	33.44	33.46
pH su.	8.28	8.10	8.15	8.14	8.25	8.16	8.22	8.23
SECCHI DEPTH	1.5	1.5	1.5	1.5	1.0	1.0	1.5	1.5

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

Authentication

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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	HUMMING BIRD	HUMMING BIRD	HOLLY HOCK	HOLLY HOCK	WINDMILL	WINDMILL	EQUIP BLANK	
SAMPLE TIME	1015	1017	1025	1028	1037	1040	1042	
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	31.7	31.8	31.5	31.6	31.7	31.6	NA	
D.O. mg / L	3.87	3.67	3.78	3.12	4.55	4.23	NA	
D.O. % sat.	62.3	59.2	60.7	50.3	73.2	68.0	NA	
CONDUCTIVITY(umhos)	46859	47180	47726	48180	47353	47901	NA	
SALINITY ppt.	30.25	30.47	30.88	31.21	30.60	31.04	NA	
pH su.	8.22	8.19	8.13	8.12	8.24	8.19	NA	
SECCHI DEPTH	1.5	1.5	1.5	1.5	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

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