



Advanced Environmental Laboratories, Inc
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FINAL

Workorder: Marco (F2201792)

May 11, 2022

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

RE: Workorder: F2201792 Marco

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday April 21, 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 (F2201792)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2201792001	BARFIELD_BRIDGE	WA	Calculation	04/21/2022 07:16	04/21/2022 11:44	1	NA
F2201792001	BARFIELD_BRIDGE	WA	DISRES	04/21/2022 07:16	04/21/2022 11:44	3	NA
F2201792001	BARFIELD_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 07:16	04/21/2022 11:44	1	NA
F2201792001	BARFIELD_BRIDGE	WA	EPA 180.1	04/21/2022 07:16	04/21/2022 11:44	1	NA
F2201792001	BARFIELD_BRIDGE	WA	EPA 351.2	04/21/2022 07:16	04/21/2022 11:44	1	NA
F2201792001	BARFIELD_BRIDGE	WA	EPA 365.3	04/21/2022 07:16	04/21/2022 11:44	1	NA
F2201792001	BARFIELD_BRIDGE	WA	Field Measurements	04/21/2022 07:16	04/21/2022 11:44	6	NA
F2201792001	BARFIELD_BRIDGE	WA	SM 10200 H	04/21/2022 07:16	04/21/2022 11:44	2	NA
F2201792001	BARFIELD_BRIDGE	WA	SM 4500NO3-F (Low Level)	04/21/2022 07:16	04/21/2022 11:44	3	NA
F2201792002	OLDE_MARCO	WA	Calculation	04/21/2022 07:27	04/21/2022 11:44	1	NA
F2201792002	OLDE_MARCO	WA	DISRES	04/21/2022 07:27	04/21/2022 11:44	3	NA
F2201792002	OLDE_MARCO	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 07:27	04/21/2022 11:44	1	NA
F2201792002	OLDE_MARCO	WA	EPA 180.1	04/21/2022 07:27	04/21/2022 11:44	1	NA
F2201792002	OLDE_MARCO	WA	EPA 351.2	04/21/2022 07:27	04/21/2022 11:44	1	NA
F2201792002	OLDE_MARCO	WA	EPA 365.3	04/21/2022 07:27	04/21/2022 11:44	1	NA
F2201792002	OLDE_MARCO	WA	Field Measurements	04/21/2022 07:27	04/21/2022 11:44	6	NA
F2201792002	OLDE_MARCO	WA	SM 10200 H	04/21/2022 07:27	04/21/2022 11:44	2	NA
F2201792002	OLDE_MARCO	WA	SM 4500NO3-F (Low Level)	04/21/2022 07:27	04/21/2022 11:44	3	NA
F2201792003	JH_PARK	WA	Calculation	04/21/2022 07:38	04/21/2022 11:44	1	NA
F2201792003	JH_PARK	WA	DISRES	04/21/2022 07:38	04/21/2022 11:44	3	NA
F2201792003	JH_PARK	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 07:38	04/21/2022 11:44	1	NA
F2201792003	JH_PARK	WA	EPA 180.1	04/21/2022 07:38	04/21/2022 11:44	1	NA
F2201792003	JH_PARK	WA	EPA 351.2	04/21/2022 07:38	04/21/2022 11:44	1	NA
F2201792003	JH_PARK	WA	EPA 365.3	04/21/2022 07:38	04/21/2022 11:44	1	NA
F2201792003	JH_PARK	WA	Field Measurements	04/21/2022 07:38	04/21/2022 11:44	6	NA
F2201792003	JH_PARK	WA	SM 10200 H	04/21/2022 07:38	04/21/2022 11:44	2	NA
F2201792003	JH_PARK	WA	SM 4500NO3-F (Low Level)	04/21/2022 07:38	04/21/2022 11:44	3	NA
F2201792004	KENDALL	WA	Calculation	04/21/2022 07:51	04/21/2022 11:44	1	NA
F2201792004	KENDALL	WA	DISRES	04/21/2022 07:51	04/21/2022 11:44	3	NA
F2201792004	KENDALL	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 07:51	04/21/2022 11:44	1	NA
F2201792004	KENDALL	WA	EPA 180.1	04/21/2022 07:51	04/21/2022 11:44	1	NA
F2201792004	KENDALL	WA	EPA 351.2	04/21/2022 07:51	04/21/2022 11:44	1	NA
F2201792004	KENDALL	WA	EPA 365.3	04/21/2022 07:51	04/21/2022 11:44	1	NA
F2201792004	KENDALL	WA	Field Measurements	04/21/2022 07:51	04/21/2022 11:44	6	NA

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Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2201792004	KENDALL	WA	SM 10200 H	04/21/2022 07:51	04/21/2022 11:44	2	NA
F2201792004	KENDALL	WA	SM 4500NO3-F (Low Level)	04/21/2022 07:51	04/21/2022 11:44	3	NA
F2201792005	COLLIER_BRIDGE	WA	Calculation	04/21/2022 07:59	04/21/2022 11:44	1	NA
F2201792005	COLLIER_BRIDGE	WA	DISRES	04/21/2022 07:59	04/21/2022 11:44	3	NA
F2201792005	COLLIER_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 07:59	04/21/2022 11:44	1	NA
F2201792005	COLLIER_BRIDGE	WA	EPA 180.1	04/21/2022 07:59	04/21/2022 11:44	1	NA
F2201792005	COLLIER_BRIDGE	WA	EPA 351.2	04/21/2022 07:59	04/21/2022 11:44	1	NA
F2201792005	COLLIER_BRIDGE	WA	EPA 365.3	04/21/2022 07:59	04/21/2022 11:44	1	NA
F2201792005	COLLIER_BRIDGE	WA	Field Measurements	04/21/2022 07:59	04/21/2022 11:44	6	NA
F2201792005	COLLIER_BRIDGE	WA	SM 10200 H	04/21/2022 07:59	04/21/2022 11:44	2	NA
F2201792005	COLLIER_BRIDGE	WA	SM 4500NO3-F (Low Level)	04/21/2022 07:59	04/21/2022 11:44	3	NA
F2201792006	LANDMARK	WA	Calculation	04/21/2022 08:09	04/21/2022 11:44	1	NA
F2201792006	LANDMARK	WA	DISRES	04/21/2022 08:09	04/21/2022 11:44	3	NA
F2201792006	LANDMARK	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 08:09	04/21/2022 11:44	1	NA
F2201792006	LANDMARK	WA	EPA 180.1	04/21/2022 08:09	04/21/2022 11:44	1	NA
F2201792006	LANDMARK	WA	EPA 351.2	04/21/2022 08:09	04/21/2022 11:44	1	NA
F2201792006	LANDMARK	WA	EPA 365.3	04/21/2022 08:09	04/21/2022 11:44	1	NA
F2201792006	LANDMARK	WA	Field Measurements	04/21/2022 08:09	04/21/2022 11:44	6	NA
F2201792006	LANDMARK	WA	SM 10200 H	04/21/2022 08:09	04/21/2022 11:44	2	NA
F2201792006	LANDMARK	WA	SM 4500NO3-F (Low Level)	04/21/2022 08:09	04/21/2022 11:44	3	NA
F2201792007	LANDMARK_DUP	WA	Calculation	04/21/2022 08:14	04/21/2022 11:44	1	NA
F2201792007	LANDMARK_DUP	WA	DISRES	04/21/2022 08:14	04/21/2022 11:44	3	NA
F2201792007	LANDMARK_DUP	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 08:14	04/21/2022 11:44	1	NA
F2201792007	LANDMARK_DUP	WA	EPA 180.1	04/21/2022 08:14	04/21/2022 11:44	1	NA
F2201792007	LANDMARK_DUP	WA	EPA 351.2	04/21/2022 08:14	04/21/2022 11:44	1	NA
F2201792007	LANDMARK_DUP	WA	EPA 365.3	04/21/2022 08:14	04/21/2022 11:44	1	NA
F2201792007	LANDMARK_DUP	WA	Field Measurements	04/21/2022 08:14	04/21/2022 11:44	6	NA
F2201792007	LANDMARK_DUP	WA	SM 10200 H	04/21/2022 08:14	04/21/2022 11:44	2	NA
F2201792007	LANDMARK_DUP	WA	SM 4500NO3-F (Low Level)	04/21/2022 08:14	04/21/2022 11:44	3	NA
F2201792008	HC_CENTER	WA	Calculation	04/21/2022 08:26	04/21/2022 11:44	1	NA
F2201792008	HC_CENTER	WA	DISRES	04/21/2022 08:26	04/21/2022 11:44	3	NA
F2201792008	HC_CENTER	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 08:26	04/21/2022 11:44	1	NA
F2201792008	HC_CENTER	WA	EPA 180.1	04/21/2022 08:26	04/21/2022 11:44	1	NA
F2201792008	HC_CENTER	WA	EPA 351.2	04/21/2022 08:26	04/21/2022 11:44	1	NA

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Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2201792008	HC_CENTER	WA	EPA 365.3	04/21/2022 08:26	04/21/2022 11:44	1	NA
F2201792008	HC_CENTER	WA	Field Measurements	04/21/2022 08:26	04/21/2022 11:44	6	NA
F2201792008	HC_CENTER	WA	SM 10200 H	04/21/2022 08:26	04/21/2022 11:44	2	NA
F2201792008	HC_CENTER	WA	SM 4500NO3-F (Low Level)	04/21/2022 08:26	04/21/2022 11:44	3	NA
F2201792009	SWALLOW	WA	Calculation	04/21/2022 08:43	04/21/2022 11:44	1	NA
F2201792009	SWALLOW	WA	DISRES	04/21/2022 08:43	04/21/2022 11:44	3	NA
F2201792009	SWALLOW	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 08:43	04/21/2022 11:44	1	NA
F2201792009	SWALLOW	WA	EPA 180.1	04/21/2022 08:43	04/21/2022 11:44	1	NA
F2201792009	SWALLOW	WA	EPA 351.2	04/21/2022 08:43	04/21/2022 11:44	1	NA
F2201792009	SWALLOW	WA	EPA 365.3	04/21/2022 08:43	04/21/2022 11:44	1	NA
F2201792009	SWALLOW	WA	Field Measurements	04/21/2022 08:43	04/21/2022 11:44	6	NA
F2201792009	SWALLOW	WA	SM 10200 H	04/21/2022 08:43	04/21/2022 11:44	2	NA
F2201792009	SWALLOW	WA	SM 4500NO3-F (Low Level)	04/21/2022 08:43	04/21/2022 11:44	3	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	Calculation	04/21/2022 08:57	04/21/2022 11:44	1	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	DISRES	04/21/2022 08:57	04/21/2022 11:44	3	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 08:57	04/21/2022 11:44	1	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	EPA 180.1	04/21/2022 08:57	04/21/2022 11:44	1	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	EPA 351.2	04/21/2022 08:57	04/21/2022 11:44	1	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	EPA 365.3	04/21/2022 08:57	04/21/2022 11:44	1	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	Field Measurements	04/21/2022 08:57	04/21/2022 11:44	6	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	SM 10200 H	04/21/2022 08:57	04/21/2022 11:44	2	NA
F2201792010	W_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	04/21/2022 08:57	04/21/2022 11:44	3	NA
F2201792011	E_WINTERBERRY_BRIDGE	WA	Calculation	04/21/2022 09:07	04/21/2022 11:44	1	NA
F2201792011	E_WINTERBERRY_BRIDGE	WA	DISRES	04/21/2022 09:07	04/21/2022 11:44	3	NA
F2201792011	E_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 09:07	04/21/2022 11:44	1	NA
F2201792011	E_WINTERBERRY_BRIDGE	WA	EPA 180.1	04/21/2022 09:07	04/21/2022 11:44	1	NA
F2201792011	E_WINTERBERRY_BRIDGE	WA	EPA 351.2	04/21/2022 09:07	04/21/2022 11:44	1	NA
F2201792011	E_WINTERBERRY_BRIDGE	WA	EPA 365.3	04/21/2022 09:07	04/21/2022 11:44	1	NA
F2201792011	E_WINTERBERRY_BRIDGE	WA	Field Measurements	04/21/2022 09:07	04/21/2022 11:44	6	NA
F2201792011	E_WINTERBERRY_BRIDGE	WA	SM 10200 H	04/21/2022 09:07	04/21/2022 11:44	2	NA

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Workorder: Marco (F2201792)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2201792011	E_WINTERBERRY_BRIDG E	WA	SM 4500NO3-F (Low Level)	04/21/2022 09:07	04/21/2022 11:44	3	NA
F2201792012	MCILVAINE	WA	Calculation	04/21/2022 09:20	04/21/2022 11:44	1	NA
F2201792012	MCILVAINE	WA	DISRES	04/21/2022 09:20	04/21/2022 11:44	3	NA
F2201792012	MCILVAINE	WA	ENTEROLERT/ QUANTI- TRAY	04/21/2022 09:20	04/21/2022 11:44	1	NA
F2201792012	MCILVAINE	WA	EPA 180.1	04/21/2022 09:20	04/21/2022 11:44	1	NA
F2201792012	MCILVAINE	WA	EPA 351.2	04/21/2022 09:20	04/21/2022 11:44	1	NA
F2201792012	MCILVAINE	WA	EPA 365.3	04/21/2022 09:20	04/21/2022 11:44	1	NA
F2201792012	MCILVAINE	WA	Field Measurements	04/21/2022 09:20	04/21/2022 11:44	6	NA
F2201792012	MCILVAINE	WA	SM 10200 H	04/21/2022 09:20	04/21/2022 11:44	2	NA
F2201792012	MCILVAINE	WA	SM 4500NO3-F (Low Level)	04/21/2022 09:20	04/21/2022 11:44	3	NA
F2201792013	HUMMINGBIRD	WA	Calculation	04/21/2022 09:35	04/21/2022 11:44	1	NA
F2201792013	HUMMINGBIRD	WA	DISRES	04/21/2022 09:35	04/21/2022 11:44	3	NA
F2201792013	HUMMINGBIRD	WA	ENTEROLERT/ QUANTI- TRAY	04/21/2022 09:35	04/21/2022 11:44	1	NA
F2201792013	HUMMINGBIRD	WA	EPA 180.1	04/21/2022 09:35	04/21/2022 11:44	1	NA
F2201792013	HUMMINGBIRD	WA	EPA 351.2	04/21/2022 09:35	04/21/2022 11:44	1	NA
F2201792013	HUMMINGBIRD	WA	EPA 365.3	04/21/2022 09:35	04/21/2022 11:44	1	NA
F2201792013	HUMMINGBIRD	WA	Field Measurements	04/21/2022 09:35	04/21/2022 11:44	6	NA
F2201792013	HUMMINGBIRD	WA	SM 10200 H	04/21/2022 09:35	04/21/2022 11:44	2	NA
F2201792013	HUMMINGBIRD	WA	SM 4500NO3-F (Low Level)	04/21/2022 09:35	04/21/2022 11:44	3	NA
F2201792014	HOLLYHOCK	WA	Calculation	04/21/2022 09:43	04/21/2022 11:44	1	NA
F2201792014	HOLLYHOCK	WA	DISRES	04/21/2022 09:43	04/21/2022 11:44	3	NA
F2201792014	HOLLYHOCK	WA	ENTEROLERT/ QUANTI- TRAY	04/21/2022 09:43	04/21/2022 11:44	1	NA
F2201792014	HOLLYHOCK	WA	EPA 180.1	04/21/2022 09:43	04/21/2022 11:44	1	NA
F2201792014	HOLLYHOCK	WA	EPA 351.2	04/21/2022 09:43	04/21/2022 11:44	1	NA
F2201792014	HOLLYHOCK	WA	EPA 365.3	04/21/2022 09:43	04/21/2022 11:44	1	NA
F2201792014	HOLLYHOCK	WA	Field Measurements	04/21/2022 09:43	04/21/2022 11:44	6	NA
F2201792014	HOLLYHOCK	WA	SM 10200 H	04/21/2022 09:43	04/21/2022 11:44	2	NA
F2201792014	HOLLYHOCK	WA	SM 4500NO3-F (Low Level)	04/21/2022 09:43	04/21/2022 11:44	3	NA
F2201792015	WINDMILL	WA	Calculation	04/21/2022 10:00	04/21/2022 11:44	1	NA
F2201792015	WINDMILL	WA	DISRES	04/21/2022 10:00	04/21/2022 11:44	3	NA
F2201792015	WINDMILL	WA	ENTEROLERT/ QUANTI- TRAY	04/21/2022 10:00	04/21/2022 11:44	1	NA
F2201792015	WINDMILL	WA	EPA 180.1	04/21/2022 10:00	04/21/2022 11:44	1	NA
F2201792015	WINDMILL	WA	EPA 351.2	04/21/2022 10:00	04/21/2022 11:44	1	NA

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Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
F2201792015	WINDMILL	WA	EPA 365.3	04/21/2022 10:00	04/21/2022 11:44	1	NA
F2201792015	WINDMILL	WA	Field Measurements	04/21/2022 10:00	04/21/2022 11:44	6	NA
F2201792015	WINDMILL	WA	SM 10200 H	04/21/2022 10:00	04/21/2022 11:44	2	NA
F2201792015	WINDMILL	WA	SM 4500NO3-F (Low Level)	04/21/2022 10:00	04/21/2022 11:44	3	NA
F2201792016	EQUIPMENT_BLANK	WA	Calculation	04/21/2022 10:06	04/21/2022 11:44	1	NA
F2201792016	EQUIPMENT_BLANK	WA	ENTEROLERT/ QUANTI-TRAY	04/21/2022 10:06	04/21/2022 11:44	1	NA
F2201792016	EQUIPMENT_BLANK	WA	EPA 180.1	04/21/2022 10:06	04/21/2022 11:44	1	NA
F2201792016	EQUIPMENT_BLANK	WA	EPA 351.2	04/21/2022 10:06	04/21/2022 11:44	1	NA
F2201792016	EQUIPMENT_BLANK	WA	EPA 365.3	04/21/2022 10:06	04/21/2022 11:44	1	NA
F2201792016	EQUIPMENT_BLANK	WA	SM 10200 H	04/21/2022 10:06	04/21/2022 11:44	2	NA
F2201792016	EQUIPMENT_BLANK	WA	SM 4500NO3-F (Low Level)	04/21/2022 10:06	04/21/2022 11:44	3	NA

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Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- J4 Estimated Result

Lab Qualifiers

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

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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792001 **Date Collected:** 04/21/2022 07:16 **Matrix:** Water
Sample ID: BARFIELD_BRIDGE **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 10:45	05/09/2022 10:45	X
Secchi Disc	1.5	meters			1	05/09/2022 10:45	05/09/2022 10:45	X
Total Depth	2.5	meters			1	05/09/2022 10:44	05/09/2022 10:44	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54584	umhos/cm			1	05/09/2022 10:55	05/09/2022 10:55	F
DO Saturation %	74.3	%			1	05/09/2022 10:55	05/09/2022 10:55	F
Dissolved Oxygen	5.01	mg/L			1	05/09/2022 10:55	05/09/2022 10:55	F
Salinity	36.12	ppt			1	05/09/2022 10:55	05/09/2022 10:55	F
Temperature	25.3	°C			1	05/09/2022 10:55	05/09/2022 10:55	F
pH	7.98	SU			1	05/09/2022 10:55	05/09/2022 10:55	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.356	mg/L	0.2	0.12	1	05/11/2022 10:00	05/11/2022 10:00	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.356 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	5	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.020	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.009 I	mg/L	0.01	0.0060	1	04/22/2022 17:09	04/22/2022 17:09	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	04/22/2022 17:09	04/22/2022 17:09	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:09	04/22/2022 17:09	T





FINAL

Workorder: Marco (F2201792)

Analytical Results

Analysis Results Comments

Corrected Chlorophyll A

Samples F2201792001-16 were filtered on 4/22/2022 at 11:06

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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792002 **Date Collected:** 04/21/2022 07:27 **Matrix:** Water
Sample ID: OLDE_MARCO **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 11:15	05/09/2022 11:15	X
Secchi Disc	2	meters			1	05/09/2022 11:16	05/09/2022 11:16	X
Total Depth	2	meters			1	05/09/2022 11:14	05/09/2022 11:14	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54414	umhos/cm			1	05/09/2022 11:17	05/09/2022 11:17	F
DO Saturation %	74.3	%			1	05/09/2022 11:17	05/09/2022 11:17	F
Dissolved Oxygen	4.9	mg/L			1	05/09/2022 11:17	05/09/2022 11:17	F
Salinity	36	ppt			1	05/09/2022 11:17	05/09/2022 11:17	F
Temperature	25.3	°C			1	05/09/2022 11:17	05/09/2022 11:17	F
pH	8.05	SU			1	05/09/2022 11:17	05/09/2022 11:17	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.218	mg/L	0.2	0.12	1	05/11/2022 10:00	05/11/2022 10:00	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.218 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	4	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.01 I	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:11	04/22/2022 17:11	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:11	04/22/2022 17:11	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:11	04/22/2022 17:11	T





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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792003 **Date Collected:** 04/21/2022 07:38 **Matrix:** Water
Sample ID: JH_PARK **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 11:49	05/09/2022 11:49	X
Secchi Disc	2.5	meters			1	05/09/2022 11:51	05/09/2022 11:51	X
Total Depth	3	meters			1	05/09/2022 11:48	05/09/2022 11:48	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54419	umhos/cm			1	05/09/2022 11:52	05/09/2022 11:52	F
DO Saturation %	62.9	%			1	05/09/2022 11:52	05/09/2022 11:52	F
Dissolved Oxygen	4.25	mg/L			1	05/09/2022 11:52	05/09/2022 11:52	F
Salinity	35.97	ppt			1	05/09/2022 11:52	05/09/2022 11:52	F
Temperature	25.9	°C			1	05/09/2022 11:52	05/09/2022 11:52	F
pH	7.98	SU			1	05/09/2022 11:52	05/09/2022 11:52	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.344	mg/L	0.2	0.12	1	05/11/2022 10:00	05/11/2022 10:00	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.344 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	11	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.034	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.0	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:12	04/22/2022 17:12	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:12	04/22/2022 17:12	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:12	04/22/2022 17:12	T





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Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2201792004 Date Collected: 04/21/2022 07:51 Matrix: Water								
Sample ID: KENDALL Date Received: 04/21/2022 11:44								
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 12:06	05/09/2022 12:06	X
Secchi Disc	0.5	meters			1	05/09/2022 12:06	05/09/2022 12:06	X
Total Depth	1.25	meters			1	05/09/2022 12:04	05/09/2022 12:04	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54149	umhos/cm			1	05/09/2022 12:06	05/09/2022 12:06	F
DO Saturation %	67.1	%			1	05/09/2022 12:06	05/09/2022 12:06	F
Dissolved Oxygen	4.46	mg/L			1	05/09/2022 12:06	05/09/2022 12:06	F
Salinity	35.77	ppt			1	05/09/2022 12:06	05/09/2022 12:06	F
Temperature	25.7	°C			1	05/09/2022 12:06	05/09/2022 12:06	F
pH	7.97	SU			1	05/09/2022 12:06	05/09/2022 12:06	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.352	mg/L	0.2	0.12	1	05/11/2022 10:00	05/11/2022 10:00	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.352 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	10	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.034	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:13	04/22/2022 17:13	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:13	04/22/2022 17:13	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:13	04/22/2022 17:13	T





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Workorder: Marco (F2201792)

Analytical Results

Analysis Results Comments

Total Kjeldahl Nitrogen

J4|Estimated Result

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Workorder: Marco (F2201792)

Analytical Results

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2201792005 Date Collected: 04/21/2022 07:59 Matrix: Water								
Sample ID: COLLIER_BRIDGE Date Received: 04/21/2022 11:44								
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 12:09	05/09/2022 12:09	X
Secchi Disc	1.5	meters			1	05/09/2022 12:09	05/09/2022 12:09	X
Total Depth	2.25	meters			1	05/09/2022 12:09	05/09/2022 12:09	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53678	umhos/cm			1	05/09/2022 12:10	05/09/2022 12:10	F
DO Saturation %	64.6	%			1	05/09/2022 12:10	05/09/2022 12:10	F
Dissolved Oxygen	4.15	mg/L			1	05/09/2022 12:10	05/09/2022 12:10	F
Salinity	35.42	ppt			1	05/09/2022 12:10	05/09/2022 12:10	F
Temperature	26.1	°C			1	05/09/2022 12:10	05/09/2022 12:10	F
pH	7.92	SU			1	05/09/2022 12:10	05/09/2022 12:10	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.274	mg/L	0.2	0.12	1	05/11/2022 10:00	05/11/2022 10:00	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.274 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	8	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.031	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.8	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:14	04/22/2022 17:14	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:14	04/22/2022 17:14	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:14	04/22/2022 17:14	T





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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792006 **Date Collected:** 04/21/2022 08:09 **Matrix:** Water
Sample ID: LANDMARK **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 12:13	05/09/2022 12:13	X
Secchi Disc	2	meters			1	05/09/2022 12:14	05/09/2022 12:14	X
Total Depth	2	meters			1	05/09/2022 12:12	05/09/2022 12:12	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54619	umhos/cm			1	05/09/2022 12:14	05/09/2022 12:14	F
DO Saturation %	67.4	%			1	05/09/2022 12:14	05/09/2022 12:14	F
Dissolved Oxygen	4.4	mg/L			1	05/09/2022 12:14	05/09/2022 12:14	F
Salinity	36.11	ppt			1	05/09/2022 12:14	05/09/2022 12:14	F
Temperature	26.3	°C			1	05/09/2022 12:14	05/09/2022 12:14	F
pH	8.06	SU			1	05/09/2022 12:14	05/09/2022 12:14	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	05/11/2022 10:11	05/11/2022 10:11	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.012	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:14	04/22/2022 17:14	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:14	04/22/2022 17:14	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:14	04/22/2022 17:14	T





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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792007 **Date Collected:** 04/21/2022 08:14 **Matrix:** Water
Sample ID: LANDMARK_DUP **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 12:31	05/09/2022 12:31	X
Secchi Disc	2	meters			1	05/09/2022 12:31	05/09/2022 12:31	X
Total Depth	2	meters			1	05/09/2022 12:23	05/09/2022 12:23	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54626	umhos/cm			1	05/09/2022 12:31	05/09/2022 12:31	F
DO Saturation %	66.8	%			1	05/09/2022 12:31	05/09/2022 12:31	F
Dissolved Oxygen	4.43	mg/L			1	05/09/2022 12:31	05/09/2022 12:31	F
Salinity	36.11	ppt			1	05/09/2022 12:31	05/09/2022 12:31	F
Temperature	26.4	°C			1	05/09/2022 12:31	05/09/2022 12:31	F
pH	8.05	SU			1	05/09/2022 12:31	05/09/2022 12:31	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.326	mg/L	0.2	0.12	1	05/11/2022 10:11	05/11/2022 10:11	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.326 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.01 I	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:15	04/22/2022 17:15	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:15	04/22/2022 17:15	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:15	04/22/2022 17:15	T





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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792008 **Date Collected:** 04/21/2022 08:26 **Matrix:** Water
Sample ID: HC_CENTER **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 12:34	05/09/2022 12:34	X
Secchi Disc	1.5	meters			1	05/09/2022 12:34	05/09/2022 12:34	X
Total Depth	1.5	meters			1	05/09/2022 12:33	05/09/2022 12:33	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53810	umhos/cm			1	05/09/2022 12:36	05/09/2022 12:36	F
DO Saturation %	58.7	%			1	05/09/2022 12:36	05/09/2022 12:36	F
Dissolved Oxygen	3.86	mg/L			1	05/09/2022 12:36	05/09/2022 12:36	F
Salinity	35.52	ppt			1	05/09/2022 12:36	05/09/2022 12:36	F
Temperature	26.1	°C			1	05/09/2022 12:36	05/09/2022 12:36	F
pH	7.9	SU			1	05/09/2022 12:36	05/09/2022 12:36	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	05/11/2022 10:12	05/11/2022 10:12	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.044	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:16	04/22/2022 17:16	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:16	04/22/2022 17:16	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:16	04/22/2022 17:16	T





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Workorder: Marco (F2201792)

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Workorder: Marco (F2201792)

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Lab ID: F2201792009 **Date Collected:** 04/21/2022 08:43 **Matrix:** Water
Sample ID: SWALLOW **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 12:44	05/09/2022 12:44	X
Secchi Disc	1	meters			1	05/09/2022 12:44	05/09/2022 12:44	X
Total Depth	2	meters			1	05/09/2022 12:43	05/09/2022 12:43	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54034	umhos/cm			1	05/09/2022 12:45	05/09/2022 12:45	F
DO Saturation %	52.5	%			1	05/09/2022 12:45	05/09/2022 12:45	F
Dissolved Oxygen	3.46	mg/L			1	05/09/2022 12:45	05/09/2022 12:45	F
Salinity	35.67	ppt			1	05/09/2022 12:45	05/09/2022 12:45	F
Temperature	26.6	°C			1	05/09/2022 12:45	05/09/2022 12:45	F
pH	8.01	SU			1	05/09/2022 12:45	05/09/2022 12:45	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.337	mg/L	0.2	0.12	1	05/11/2022 10:12	05/11/2022 10:12	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.306 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.01 I	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.03	mg/L	0.01	0.0060	1	04/22/2022 17:17	04/22/2022 17:17	T
Nitrate + Nitrite	0.03	mg/L	0.02	0.010	1	04/22/2022 17:17	04/22/2022 17:17	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:17	04/22/2022 17:17	T





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Analytical Results

Lab ID: F2201792010 **Date Collected:** 04/21/2022 08:57 **Matrix:** Water
Sample ID: W_WINTERBERRY_BRID **Date Received:** 04/21/2022 11:44
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 13:47	05/09/2022 13:47	X
Secchi Disc	1	meters			1	05/09/2022 13:47	05/09/2022 13:47	X
Total Depth	2.5	meters			1	05/09/2022 13:44	05/09/2022 13:44	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54901	umhos/cm			1	05/09/2022 13:48	05/09/2022 13:48	F
DO Saturation %	72.1	%			1	05/09/2022 13:48	05/09/2022 13:48	F
Dissolved Oxygen	4.91	mg/L			1	05/09/2022 13:48	05/09/2022 13:48	F
Salinity	36.33	ppt			1	05/09/2022 13:48	05/09/2022 13:48	F
Temperature	25.8	°C			1	05/09/2022 13:48	05/09/2022 13:48	F
pH	8.04	SU			1	05/09/2022 13:48	05/09/2022 13:48	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.314	mg/L	0.2	0.12	1	05/11/2022 10:12	05/11/2022 10:12	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.314 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	5	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.007 I	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:17	04/22/2022 17:17	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:17	04/22/2022 17:17	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:17	04/22/2022 17:17	T





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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792011 **Date Collected:** 04/21/2022 09:07 **Matrix:** Water
Sample ID: E_WINTERBERRY_BRID **Date Received:** 04/21/2022 11:44
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 13:56	05/09/2022 13:56	X
Secchi Disc	1	meters			1	05/09/2022 13:56	05/09/2022 13:56	X
Total Depth	2	meters			1	05/09/2022 13:53	05/09/2022 13:53	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	55103	umhos/cm			1	05/09/2022 13:59	05/09/2022 13:59	F
DO Saturation %	66.3	%			1	05/09/2022 13:59	05/09/2022 13:59	F
Dissolved Oxygen	4.04	mg/L			1	05/09/2022 13:59	05/09/2022 13:59	F
Salinity	36.5	ppt			1	05/09/2022 13:59	05/09/2022 13:59	F
Temperature	25.9	°C			1	05/09/2022 13:59	05/09/2022 13:59	F
pH	8.01	SU			1	05/09/2022 13:59	05/09/2022 13:59	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.370	mg/L	0.2	0.12	1	05/11/2022 10:12	05/11/2022 10:12	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.370 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	5	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.012	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:24	04/22/2022 17:24	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:24	04/22/2022 17:24	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:24	04/22/2022 17:24	T





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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792012 **Date Collected:** 04/21/2022 09:20 **Matrix:** Water
Sample ID: MCILVAINE **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 14:01	05/09/2022 14:01	X
Secchi Disc	1.5	meters			1	05/09/2022 14:01	05/09/2022 14:01	X
Total Depth	2	meters			1	05/09/2022 14:00	05/09/2022 14:00	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54522	umhos/cm			1	05/09/2022 14:01	05/09/2022 14:01	F
DO Saturation %	70.4	%			1	05/09/2022 14:01	05/09/2022 14:01	F
Dissolved Oxygen	4.65	mg/L			1	05/09/2022 14:01	05/09/2022 14:01	F
Salinity	36.07	ppt			1	05/09/2022 14:01	05/09/2022 14:01	F
Temperature	25.4	°C			1	05/09/2022 14:01	05/09/2022 14:01	F
pH	8.05	SU			1	05/09/2022 14:01	05/09/2022 14:01	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.272	mg/L	0.2	0.12	1	05/11/2022 10:13	05/11/2022 10:13	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.272 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	4	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.007 I	mg/L	0.01	0.0060	1	04/22/2022 17:26	04/22/2022 17:26	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:26	04/22/2022 17:26	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:26	04/22/2022 17:26	T





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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792013 **Date Collected:** 04/21/2022 09:35 **Matrix:** Water
Sample ID: HUMMINGBIRD **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 14:03	05/09/2022 14:03	X
Secchi Disc	1	meters			1	05/09/2022 14:04	05/09/2022 14:04	X
Total Depth	1.5	meters			1	05/09/2022 14:03	05/09/2022 14:03	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54501	umhos/cm			1	05/09/2022 14:04	05/09/2022 14:04	F
DO Saturation %	71.2	%			1	05/09/2022 14:04	05/09/2022 14:04	F
Dissolved Oxygen	4.59	mg/L			1	05/09/2022 14:04	05/09/2022 14:04	F
Salinity	36.03	ppt			1	05/09/2022 14:04	05/09/2022 14:04	F
Temperature	26.2	°C			1	05/09/2022 14:04	05/09/2022 14:04	F
pH	8	SU			1	05/09/2022 14:04	05/09/2022 14:04	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.418	mg/L	0.2	0.12	1	05/11/2022 10:13	05/11/2022 10:13	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.418 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	5	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.012	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	7.2	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:27	04/22/2022 17:27	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:27	04/22/2022 17:27	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:27	04/22/2022 17:27	T





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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792014 **Date Collected:** 04/21/2022 09:43 **Matrix:** Water
Sample ID: HOLLYHOCK **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 14:06	05/09/2022 14:06	X
Secchi Disc	0.5	meters			1	05/09/2022 14:06	05/09/2022 14:06	X
Total Depth	1.5	meters			1	05/09/2022 14:05	05/09/2022 14:05	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	55110	umhos/cm			1	05/09/2022 14:07	05/09/2022 14:07	F
DO Saturation %	54	%			1	05/09/2022 14:07	05/09/2022 14:07	F
Dissolved Oxygen	3.59	mg/L			1	05/09/2022 14:07	05/09/2022 14:07	F
Salinity	36.5	ppt			1	05/09/2022 14:07	05/09/2022 14:07	F
Temperature	25.7	°C			1	05/09/2022 14:07	05/09/2022 14:07	F
pH	7.9	SU			1	05/09/2022 14:07	05/09/2022 14:07	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	20	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.416	mg/L	0.2	0.12	1	05/11/2022 10:13	05/11/2022 10:13	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.416 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	6	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.015	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.8	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:28	04/22/2022 17:28	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:28	04/22/2022 17:28	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:28	04/22/2022 17:28	T





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Analytical Results

Analysis Results Comments

Total Kjeldahl Nitrogen

J4|Estimated Result

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Workorder: Marco (F2201792)

Analytical Results

Lab ID: F2201792015 **Date Collected:** 04/21/2022 10:00 **Matrix:** Water
Sample ID: WINDMILL **Date Received:** 04/21/2022 11:44

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	05/09/2022 14:09	05/09/2022 14:09	X
Secchi Disc	1.5	meters			1	05/09/2022 14:10	05/09/2022 14:10	X
Total Depth	2.5	meters			1	05/09/2022 14:09	05/09/2022 14:09	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	54523	umhos/cm			1	05/09/2022 14:10	05/09/2022 14:10	F
DO Saturation %	74.3	%			1	05/09/2022 14:10	05/09/2022 14:10	F
Dissolved Oxygen	4.91	mg/L			1	05/09/2022 14:10	05/09/2022 14:10	F
Salinity	36.08	ppt			1	05/09/2022 14:10	05/09/2022 14:10	F
Temperature	25.7	°C			1	05/09/2022 14:10	05/09/2022 14:10	F
pH	8	SU			1	05/09/2022 14:10	05/09/2022 14:10	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.449	mg/L	0.2	0.12	1	05/11/2022 10:14	05/11/2022 10:14	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.449 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	5	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.007 I	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	5.6	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:29	04/22/2022 17:29	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:29	04/22/2022 17:29	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:29	04/22/2022 17:29	T





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Fax: (239) 674-8128

FINAL

Workorder: Marco (F2201792)

Analytical Results

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FINAL

Workorder: Marco (F2201792)

Analytical Results

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2201792016			Date Collected: 04/21/2022 10:06			Matrix: Water		
Sample ID: EQUIPMENT_BLANK			Date Received: 04/21/2022 11:44					
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1 U	MPN/100 mL	1	1	1	04/21/2022 15:08	04/21/2022 15:08	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.241	mg/L	0.2	0.12	1	05/11/2022 10:14	05/11/2022 10:14	T
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.241 I	mg/L	0.5	0.20	1	04/27/2022 16:40	04/28/2022 10:14	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.10 U	NTU	0.1	0.10	1	04/22/2022 11:25	04/22/2022 11:25	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	05/02/2022 10:45	05/03/2022 09:30	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	04/25/2022 12:45	04/25/2022 12:45	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	04/22/2022 17:29	04/22/2022 17:29	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	04/22/2022 17:29	04/22/2022 17:29	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	04/22/2022 17:29	04/22/2022 17:29	T





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FINAL

Workorder: Marco (F2201792)

QC Results

QC Batch: WCAf/2163 **Analysis Method:** EPA 180.1
Preparation Method: EPA 180.1
Associated Lab IDs: F2201792001, F2201792002, F2201792003, F2201792004, F2201792005, F2201792006, F2201792007, F2201792008, F2201792009, F2201792010, F2201792011, F2201792012, F2201792013, F2201792014, F2201792015, F2201792016

Method Blank(4287269)

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





FINAL

Workorder: Marco (F2201792)

QC Results

QC Batch: WCAg/6235 **Analysis Method:** SM 10200 H
Preparation Method: SM 10200 H
Associated Lab IDs: F2201792001, F2201792002, F2201792003, F2201792004, F2201792005, F2201792006, F2201792007, F2201792008, F2201792009, F2201792010, F2201792011, F2201792012, F2201792013, F2201792014, F2201792015, F2201792016

Method Blank(4288552)

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

Method Blank(4288554)

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

QC Task Comments

Method Blank - 4288552 - 2984151

Filters extracted on 4/25/2022 10:45





FINAL

Workorder: Marco (F2201792)

QC Results

QC Batch: WCAg/6298 **Analysis Method:** EPA 351.2
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2201792001, F2201792002, F2201792003, F2201792004

Method Blank(4294891)

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





FINAL

Workorder: Marco (F2201792)

QC Results

QC Batch: WCAg/6299 **Analysis Method:** EPA 365.4
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2201792001, F2201792002, F2201792003, F2201792004

Method Blank(4294892)

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





FINAL

Workorder: Marco (F2201792)

QC Results

QC Batch: WCAg/6324

Analysis Method: EPA 365.3

Preparation Method: EPA 365.3

Associated Lab IDs: F2201792001, F2201792002, F2201792003, F2201792004, F2201792005, F2201792006, F2201792007, F2201792008

Method Blank(4296212)

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

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FINAL

Workorder: Marco (F2201792)

QC Results

QC Batch: WCA/11762 **Analysis Method:** SM 4500NO3-F (Low Level)
Preparation Method: SM 4500NO3-F (Low Level)
Associated Lab IDs: F2201792001, F2201792002, F2201792003, F2201792004, F2201792005, F2201792006, F2201792007, F2201792008, F2201792009, F2201792010

Method Blank(4287957)

Parameter	Results	Units	PQL	MDL	Lab
Nitrate + Nitrite	0.010 U	mg/L	0.020	0.010	T
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





FINAL

Workorder: Marco (F2201792)

QC Results

QC Batch: WCA/11763 Analysis Method: SM 4500NO3-F (Low Level)
 Preparation Method: SM 4500NO3-F (Low Level)
 Associated Lab IDs: F2201792011, F2201792012, F2201792013, F2201792014, F2201792015, F2201792016

Method Blank(4287961)

Parameter	Results	Units	PQL	MDL	Lab
Nitrate + Nitrite	0.010 U	mg/L	0.020	0.010	T
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





FINAL

Workorder: Marco (F2201792)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICf/1720 - ENTEROLERT/ QUANTI-TRAY			
F2201792001	BARFIELD_BRIDGE		
F2201792002	OLDE_MARCO		
F2201792003	JH_PARK		
F2201792004	KENDALL		
F2201792005	COLLIER_BRIDGE		
F2201792006	LANDMARK		
F2201792007	LANDMARK_DUP		
F2201792008	HC_CENTER		
F2201792009	SWALLOW		
F2201792010	W_WINTERBERRY_BRIDGE		
F2201792011	E_WINTERBERRY_BRIDGE		
F2201792012	MCILVAINE		
F2201792013	HUMMINGBIRD		
F2201792014	HOLLYHOCK		
F2201792015	WINDMILL		
F2201792016	EQUIPMENT_BLANK		
WCAf/2163 - EPA 180.1			
F2201792001	BARFIELD_BRIDGE		
F2201792002	OLDE_MARCO		
F2201792003	JH_PARK		
F2201792004	KENDALL		
F2201792005	COLLIER_BRIDGE		
F2201792006	LANDMARK		
F2201792007	LANDMARK_DUP		
F2201792008	HC_CENTER		
F2201792009	SWALLOW		
F2201792010	W_WINTERBERRY_BRIDGE		
F2201792011	E_WINTERBERRY_BRIDGE		
F2201792012	MCILVAINE		
F2201792013	HUMMINGBIRD		
F2201792014	HOLLYHOCK		
F2201792015	WINDMILL		
F2201792016	EQUIPMENT_BLANK		

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Workorder: Marco (F2201792)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAg/6235 - SM 10200 H			
F2201792001	BARFIELD_BRIDGE		
F2201792002	OLDE_MARCO		
F2201792003	JH_PARK		
F2201792004	KENDALL		
F2201792005	COLLIER_BRIDGE		
F2201792006	LANDMARK		
F2201792007	LANDMARK_DUP		
F2201792008	HC_CENTER		
F2201792009	SWALLOW		
F2201792010	W_WINTERBERRY_BRIDGE		
F2201792011	E_WINTERBERRY_BRIDGE		
F2201792012	MCILVAINE		
F2201792013	HUMMINGBIRD		
F2201792014	HOLLYHOCK		
F2201792015	WINDMILL		
F2201792016	EQUIPMENT_BLANK		
WCAg/6298 - EPA 351.2			
F2201792001	BARFIELD_BRIDGE	WCAg/6290	Copper Sulfate Digestion
F2201792002	OLDE_MARCO	WCAg/6290	Copper Sulfate Digestion
F2201792003	JH_PARK	WCAg/6290	Copper Sulfate Digestion
F2201792004	KENDALL	WCAg/6290	Copper Sulfate Digestion

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Workorder: Marco (F2201792)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAg/6300 - EPA 351.2			
F2201792005	COLLIER_BRIDGE	WCAg/6291	Copper Sulfate Digestion
F2201792006	LANDMARK	WCAg/6291	Copper Sulfate Digestion
F2201792007	LANDMARK_DUP	WCAg/6291	Copper Sulfate Digestion
F2201792008	HC_CENTER	WCAg/6291	Copper Sulfate Digestion
F2201792009	SWALLOW	WCAg/6291	Copper Sulfate Digestion
F2201792010	W_WINTERBERRY_BRIDGE	WCAg/6291	Copper Sulfate Digestion
F2201792011	E_WINTERBERRY_BRIDGE	WCAg/6291	Copper Sulfate Digestion
F2201792012	MCILVAINE	WCAg/6291	Copper Sulfate Digestion
F2201792013	HUMMINGBIRD	WCAg/6291	Copper Sulfate Digestion
F2201792014	HOLLYHOCK	WCAg/6291	Copper Sulfate Digestion
F2201792015	WINDMILL	WCAg/6291	Copper Sulfate Digestion
F2201792016	EQUIPMENT_BLANK	WCAg/6291	Copper Sulfate Digestion
WCAg/6324 - EPA 365.3			
F2201792001	BARFIELD_BRIDGE	WCAg/6311	EPA 365.3
F2201792002	OLDE_MARCO	WCAg/6311	EPA 365.3
F2201792003	JH_PARK	WCAg/6311	EPA 365.3
F2201792004	KENDALL	WCAg/6311	EPA 365.3
F2201792005	COLLIER_BRIDGE	WCAg/6311	EPA 365.3
F2201792006	LANDMARK	WCAg/6311	EPA 365.3
F2201792007	LANDMARK_DUP	WCAg/6311	EPA 365.3
F2201792008	HC_CENTER	WCAg/6311	EPA 365.3
WCAg/6328 - EPA 365.3			
F2201792009	SWALLOW	WCAg/6312	EPA 365.3
F2201792010	W_WINTERBERRY_BRIDGE	WCAg/6312	EPA 365.3
F2201792011	E_WINTERBERRY_BRIDGE	WCAg/6312	EPA 365.3
F2201792012	MCILVAINE	WCAg/6312	EPA 365.3
F2201792013	HUMMINGBIRD	WCAg/6312	EPA 365.3
F2201792014	HOLLYHOCK	WCAg/6312	EPA 365.3
F2201792015	WINDMILL	WCAg/6312	EPA 365.3
F2201792016	EQUIPMENT_BLANK	WCAg/6312	EPA 365.3





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Workorder: Marco (F2201792)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCA#11762 - SM 4500NO3-F (Low Level)			
F2201792001	BARFIELD_BRIDGE		
F2201792002	OLDE_MARCO		
F2201792003	JH_PARK		
F2201792004	KENDALL		
F2201792005	COLLIER_BRIDGE		
F2201792006	LANDMARK		
F2201792007	LANDMARK_DUP		
F2201792008	HC_CENTER		
F2201792009	SWALLOW		
F2201792010	W_WINTERBERRY_BRIDGE		
WCA#11763 - SM 4500NO3-F (Low Level)			
F2201792011	E_WINTERBERRY_BRIDGE		
F2201792012	MCILVAINE		
F2201792013	HUMMINGBIRD		
F2201792014	HOLLYHOCK		
F2201792015	WINDMILL		
F2201792016	EQUIPMENT_BLANK		

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Work Order: F2201792
Client: City of Marco Island
Project ID: Marco

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.
Analysis: All holding times were met.

III. Method

Analysis: EPA 351.2
Preparation: Copper Sulfate Digestion

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.
Blanks: All acceptance criteria were met.
Surrogates: All acceptance criteria were met.
Spikes
The matrix spike (MS) recoveries of TKN for F2201792014 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

The matrix spike (MS) recoveries of TKN for G2203351001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. The affected sample is qualified to indicate matrix interference.

Internal Standard: All acceptance criteria were met.
Samples: All acceptance criteria were met.
Other: All acceptance criteria were met.
Serial Dilution: All acceptance criteria were met.
Duplicates:



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The relative percent difference (RPD) for the following analyte(s) in the replicate matrix spike analyses of F2201792014 was outside control criteria: TKN. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.



Work Order: F2201792
Client: City of Marco Island
Project ID: Marco

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.
Analysis: All holding times were met.

III. Method

Analysis: EPA 351.2
Preparation: Copper Sulfate Digestion

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

Calibration: All acceptance criteria were met.
Blanks: All acceptance criteria were met.
Surrogates: All acceptance criteria were met.
Spikes
The matrix spike (MS) recoveries of TKN for J2205238001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

The matrix spike (MS) recoveries of TKN for F2201792004 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

Internal Standard: All acceptance criteria were met.
Samples: All acceptance criteria were met.
Other: All acceptance criteria were met.
Serial Dilution: All acceptance criteria were met.
Duplicates:



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The relative percent difference (RPD) for the following analyte(s) in the replicate matrix spike analyses of F2201792004 was outside control criteria: TKN. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the 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 (F2201792)



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- Fort Myers, 13100 Westlinks Terrace, Ste. 10, Ft. 33913 - 239-674-8130 - Lab ID: E84492
- Jacksonville, 6501 Southpoint Pkwy., Ft. 32216 - 904-363-9359 - Lab ID: E82574
- Tallahassee, 2639 North Monroe St., Suite D, Ft. 32303 - 850-219-6274 - Lab ID: E811095

- Gainesville, 4855 SW 41st Blvd., Ft. 32608 - 352-377-2949 - Lab ID: E82001
- Miramar, 10200 USA Today Way, Ft. 33025 - 954-889-2289 - Lab ID: E82535
- Tampa, 9510 Phoenicia Palm Ave., Ft. 33615 - 813-630-9816 - Lab ID: E84589

Client Name: City of Marco Island		Project Name: MARCO	
Address: 50 Bald Eagle Dr.		Project Number:	
Phone: Marco Island, FL 314145		FDEP Facility No.:	
FAX: 239-300-1462		FDEP Facility Addr.:	
Contact: Jason Tomasesetti		Special Instructions:	
Sampled By: P. Manard		ADAPT:	
Turn Around Time: Standard X Rush		EQUIP:	
AEL Profile #: 658984		Other: WIN	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE
			DATE	TIME					
	BARFIELD_BRIDGE	Grab	4/21/22	0716	SW	4	NO2/NO3	250 mL Plastic	
	OLDE_MARCO	Grab	4/21/22	0727	SW	4	TKN/TP/TN	250 mL Plastic	
	JH_PARK	Grab	4/21/22	0738	SW	4	Chlor-A/Turbidity	1L Amb Plastic	
	KENDALL	Grab	4/21/22	0751	SW	4	Enterococci	100 mL Cup	
	COLLIER_BRIDGE	Grab	4/21/22	0759	SW	4			
	LANDMARK	Grab	4/21/22	0809	SW	4			
	LANDMARK_DUP	Grab	4/21/22	0814	SW	4			
	HC_CENTER	Grab	4/21/22	0826	SW	4			
	SWALLOW	Grab	4/21/22	0843	SW	4			
	W_WINTERBERRY_BRIDGE	Grab	4/21/22	0857	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: Yes No Temp taken from sample: Temp from blank Where required, pH checked

DCN: AD-D051web Form last revised 08/07/2019 Device used for measuring Temp by unique identifier (circle IR temp gun used): J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

Relinquished by: [Signature] Date: 4/21/22 Time: 11:17 Received by: [Signature] Date: 4/21/22 Time: 11:24

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

Temp, when received (observed): 8.9 °C Temp, when received (corrected): 8.9 °C

LABORATORY I.D. NUMBER: * F 2 2 0 1 7 9 2 *





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Workorder: Marco (F2201792)



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- Fort Myers: 13100 Westlinks Terrace, Ste. 10, Ft. 33913 • 239.674.8130 • Lab ID: E84492
- Jacksonville: 6681 Southpoint Pkwy., Ft. 32216 • 904.363.9359 • Lab ID: E82574
- Tallahassee: 2639 North Monroe St., Suite D, Ft. 32303 • 850.219.6274 • Lab ID: E811095

F2201792 Page 2 of 2

Client Name: City of Marco Island		Project Name: MARCO	
Address: 50 Bald Eagle Dr.		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			
AEL Profile #: 65884			

SAMPLE ID	SAMPLE DESCRIPTION	ADAPT	EQUIS	Other	WIN	ANALYSIS REQUIRED		BOTTLE SIZE & TYPE	
						NO2/NO3	TKN/TP/TN	Chlor-A/Turbidity	Enterococci
E_WINTERBERRY_BRIDGE	Grab		4/21/22	SW	4	X	X	X	X
MCILVAINE	Grab		4/20/22	SW	4	X	X	X	X
HUMMINGBIRD	Grab		4/25/22	SW	4	X	X	X	X
HOLLYHOCK	Grab		4/23/22	SW	4	X	X	X	X
WINDMILL	Grab		1000	SW	4	X	X	X	X
EQUIPMENT_BLANK	Grab		1006	SW	4	X	X	X	X

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Received on ice Yes No Temp taken from sample Temp from blank Where required, pH checked

DCN: AD-0051web 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: TA)

Relinquished by: [Signature] Date: 4/21/22 Time: 11:17 AM Received by: [Signature] Date: 4/21/22 Time: 11:24 AM

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	07:16	07:18	07:27	07:28	07:38	07:41	07:51	07:53
SAMPLE DEPTH	0.30m top	2.0	0.30m top	1.5	0.30m top	2.5	0.30m top	1.0
TOTAL DEPTH	2.5	2.5	2.0	2.0	3.0	3.0	1.25	1.25
TEMP /C	25.3	25.2	25.3	25.3	25.9	25.9	25.7	25.7
D.O. mg / L	5.01	4.76	4.90	4.69	4.25	4.75	4.46	3.98
D.O. % sat.	74.3	69.5	74.3	69.5	62.9	70.3	67.1	60.2
CONDUCTIVITY(umhos)	54,584	54,657	54,414	54,476	54,419	54,472	54,149	54,165
SALINITY ppt.	36.12	36.17	36.00	36.04	35.97	36.06	35.77	35.80
pH su.	7.98	7.98	8.05	8.04	7.98	7.97	7.97	7.96
SECCHI DEPTH	1.5	1.5	2.0	2.0	2.5	2.5	0.5	0.5

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) /	Brian Miller / AEL		Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES	Sampler's Signature	<i>B Miller</i>	4/21/22

Advanced Environmental Laboratories, Inc

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

Water Sample Parameters

SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP	HC CENTER	HC CENTER
SAMPLE TIME	07:59	08:01	08:09	08:11	08:14	08:16	08:26	08:28
SAMPLE DEPTH	0.30m top	2.0	0.30m top	1.5	0.30m top	1.5	0.30m top	1.0
TOTAL DEPTH	2.25	2.25	2.0	2.0	2.0	2.0	1.5	1.5
TEMP /C	26.1	26.3	26.3	26.4	26.4	26.4	26.1	26.1
D.O. mg / L	4.15	3.94	4.40	4.31	4.43	4.30	3.86	3.70
D.O. % sat.	64.6	60.7	67.4	65.8	66.8	65.6	58.7	56.2
CONDUCTIVITY(umhos)	53,678	53,724	54,619	54,674	54,626	54,671	53,810	53,865
SALINITY ppt.	35.42	35.44	36.11	36.16	36.11	36.15	35.52	35.56
pH su.	7.92	7.92	8.06	8.05	8.05	8.04	7.90	7.93
SECCHI DEPTH	1.5	1.5	2.0	2.0	2.0	2.0	1.5	1.5

FIELD COMMENTS:

WEATHER :

DEG F

DEG F

DEG F

DEG F

FIELD EQUIP. USED: ID # :

VAN DORN / F3X

VAN DORN / F3X

VAN DORN / F3X

VAN DORN / F3X

Authentication

SAMPLED BY: (PRINT) /

Brian Miller / AEL

Sampler's
Signature

B Miller

Date

4/21/22

AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	SWALLOW	SWALLOW	WEST WB BRIDGE	WEST WB BRIDGE	EAST WB BRIDGE	EAST WB BRIDGE	MCILVAINE	MCILVAINE
SAMPLE TIME	08:43	08:45	08:57	09:00	09:07	09:09	09:20	09:23
SAMPLE DEPTH	0.30m top	1.5	0.30m top	2.0	0.30m top	1.5	0.30m top	1.5
TOTAL DEPTH	2.0	2.0	2.5	2.5	2.0	2.0	2.0	2.0
TEMP /C	26.6	26.6	25.8	25.8	25.9	25.9	25.4	25.4
D.O. mg / L	3.46	3.39	4.91	4.85	4.04	4.31	4.65	4.28
D.O. % sat.	52.5	52.8	72.1	71.7	66.3	64.8	70.4	64.6
CONDUCTIVITY(umhos)	54,034	54,250	54,901	54,896	55,103	55,129	54,522	54,573
SALINITY ppt.	35.67	35.84	36.33	36.35	36.50	36.51	36.07	36.11
pH su.	8.01	8.02	8.04	8.03	8.01	8.00	8.05	8.05
SECCHI DEPTH	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5

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

Authentication			
SAMPLED BY: (PRINT) /	Brian Miller / AEL	Sampler's Signature <i>B Miller</i>	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			4/21/22

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	09:35	09:37	09:43	09:45	10:00	10:02	10:06	
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	26.2	26.2	25.7	25.7	25.7	25.7	NA	
D.O. mg / L	4.59	4.41	3.59	3.48	4.91	4.06	NA	
D.O. % sat.	71.2	67.2	54.0	52.9	74.3	62.2	NA	
CONDUCTIVITY(umhos)	54,501	54,508	55,110	55,168	54,523	54,662	NA	
SALINITY ppt.	36.03	36.04	36.50	36.55	36.08	36.17	NA	
pH su.	8.00	8.00	7.90	7.89	8.00	7.98	NA	
SECCHI DEPTH	1.0	1.0	0.5	0.5	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								
SAMPLED BY: (PRINT) /	Brian Miller / AEL			Sampler's Signature	<i>B Miller</i>			Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			4/21/22					