



Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
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FINAL

Workorder: MARCO (F2200864)

March 21, 2022

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

RE: Workorder: F2200864 MARCO

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday February 24, 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 (F2200864)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analyses Reported
F2200864001	BARFIELD_BRIDGE	WA	Calculation	02/24/2022 08:38	02/24/2022 13:37	1
F2200864001	BARFIELD_BRIDGE	WA	DISRES	02/24/2022 08:38	02/24/2022 13:37	3
F2200864001	BARFIELD_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 08:38	02/24/2022 13:37	1
F2200864001	BARFIELD_BRIDGE	WA	EPA 180.1	02/24/2022 08:38	02/24/2022 13:37	1
F2200864001	BARFIELD_BRIDGE	WA	EPA 351.2	02/24/2022 08:38	02/24/2022 13:37	1
F2200864001	BARFIELD_BRIDGE	WA	EPA 365.3	02/24/2022 08:38	02/24/2022 13:37	1
F2200864001	BARFIELD_BRIDGE	WA	Field Measurements	02/24/2022 08:38	02/24/2022 13:37	6
F2200864001	BARFIELD_BRIDGE	WA	SM 10200 H	02/24/2022 08:38	02/24/2022 13:37	2
F2200864001	BARFIELD_BRIDGE	WA	SM 4500NO3-F (Low Level)	02/24/2022 08:38	02/24/2022 13:37	3
F2200864002	OLDE_MARCO	WA	Calculation	02/24/2022 08:50	02/24/2022 13:37	1
F2200864002	OLDE_MARCO	WA	DISRES	02/24/2022 08:50	02/24/2022 13:37	3
F2200864002	OLDE_MARCO	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 08:50	02/24/2022 13:37	1
F2200864002	OLDE_MARCO	WA	EPA 180.1	02/24/2022 08:50	02/24/2022 13:37	1
F2200864002	OLDE_MARCO	WA	EPA 351.2	02/24/2022 08:50	02/24/2022 13:37	1
F2200864002	OLDE_MARCO	WA	EPA 365.3	02/24/2022 08:50	02/24/2022 13:37	1
F2200864002	OLDE_MARCO	WA	Field Measurements	02/24/2022 08:50	02/24/2022 13:37	6
F2200864002	OLDE_MARCO	WA	SM 10200 H	02/24/2022 08:50	02/24/2022 13:37	2
F2200864002	OLDE_MARCO	WA	SM 4500NO3-F (Low Level)	02/24/2022 08:50	02/24/2022 13:37	3
F2200864003	JH_PARK	WA	Calculation	02/24/2022 09:04	02/24/2022 13:37	1
F2200864003	JH_PARK	WA	DISRES	02/24/2022 09:04	02/24/2022 13:37	3
F2200864003	JH_PARK	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 09:04	02/24/2022 13:37	1
F2200864003	JH_PARK	WA	EPA 180.1	02/24/2022 09:04	02/24/2022 13:37	1
F2200864003	JH_PARK	WA	EPA 351.2	02/24/2022 09:04	02/24/2022 13:37	1
F2200864003	JH_PARK	WA	EPA 365.3	02/24/2022 09:04	02/24/2022 13:37	1
F2200864003	JH_PARK	WA	Field Measurements	02/24/2022 09:04	02/24/2022 13:37	6
F2200864003	JH_PARK	WA	SM 10200 H	02/24/2022 09:04	02/24/2022 13:37	2
F2200864003	JH_PARK	WA	SM 4500NO3-F (Low Level)	02/24/2022 09:04	02/24/2022 13:37	3
F2200864004	KENDALL	WA	Calculation	02/24/2022 09:16	02/24/2022 13:37	1
F2200864004	KENDALL	WA	DISRES	02/24/2022 09:16	02/24/2022 13:37	3
F2200864004	KENDALL	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 09:16	02/24/2022 13:37	1
F2200864004	KENDALL	WA	EPA 180.1	02/24/2022 09:16	02/24/2022 13:37	1
F2200864004	KENDALL	WA	EPA 351.2	02/24/2022 09:16	02/24/2022 13:37	1
F2200864004	KENDALL	WA	EPA 365.3	02/24/2022 09:16	02/24/2022 13:37	1
F2200864004	KENDALL	WA	Field Measurements	02/24/2022 09:16	02/24/2022 13:37	6
F2200864004	KENDALL	WA	SM 10200 H	02/24/2022 09:16	02/24/2022 13:37	2





FINAL

Workorder: MARCO (F2200864)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analyses Reported
F2200864004	KENDALL	WA	SM 4500NO3-F (Low Level)	02/24/2022 09:16	02/24/2022 13:37	3
F2200864005	COLLIER_BRIDGE	WA	Calculation	02/24/2022 09:28	02/24/2022 13:37	1
F2200864005	COLLIER_BRIDGE	WA	DISRES	02/24/2022 09:28	02/24/2022 13:37	3
F2200864005	COLLIER_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 09:28	02/24/2022 13:37	1
F2200864005	COLLIER_BRIDGE	WA	EPA 180.1	02/24/2022 09:28	02/24/2022 13:37	1
F2200864005	COLLIER_BRIDGE	WA	EPA 351.2	02/24/2022 09:28	02/24/2022 13:37	1
F2200864005	COLLIER_BRIDGE	WA	EPA 365.3	02/24/2022 09:28	02/24/2022 13:37	1
F2200864005	COLLIER_BRIDGE	WA	Field Measurements	02/24/2022 09:28	02/24/2022 13:37	6
F2200864005	COLLIER_BRIDGE	WA	SM 10200 H	02/24/2022 09:28	02/24/2022 13:37	2
F2200864005	COLLIER_BRIDGE	WA	SM 4500NO3-F (Low Level)	02/24/2022 09:28	02/24/2022 13:37	3
F2200864006	LANDMARK	WA	Calculation	02/24/2022 09:37	02/24/2022 13:37	1
F2200864006	LANDMARK	WA	DISRES	02/24/2022 09:37	02/24/2022 13:37	3
F2200864006	LANDMARK	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 09:37	02/24/2022 13:37	1
F2200864006	LANDMARK	WA	EPA 180.1	02/24/2022 09:37	02/24/2022 13:37	1
F2200864006	LANDMARK	WA	EPA 351.2	02/24/2022 09:37	02/24/2022 13:37	1
F2200864006	LANDMARK	WA	EPA 365.3	02/24/2022 09:37	02/24/2022 13:37	1
F2200864006	LANDMARK	WA	Field Measurements	02/24/2022 09:37	02/24/2022 13:37	6
F2200864006	LANDMARK	WA	SM 10200 H	02/24/2022 09:37	02/24/2022 13:37	2
F2200864006	LANDMARK	WA	SM 4500NO3-F (Low Level)	02/24/2022 09:37	02/24/2022 13:37	3
F2200864007	LANDMARK_DUP	WA	Calculation	02/24/2022 09:42	02/24/2022 13:37	1
F2200864007	LANDMARK_DUP	WA	DISRES	02/24/2022 09:42	02/24/2022 13:37	3
F2200864007	LANDMARK_DUP	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 09:42	02/24/2022 13:37	1
F2200864007	LANDMARK_DUP	WA	EPA 180.1	02/24/2022 09:42	02/24/2022 13:37	1
F2200864007	LANDMARK_DUP	WA	EPA 351.2	02/24/2022 09:42	02/24/2022 13:37	1
F2200864007	LANDMARK_DUP	WA	EPA 365.3	02/24/2022 09:42	02/24/2022 13:37	1
F2200864007	LANDMARK_DUP	WA	Field Measurements	02/24/2022 09:42	02/24/2022 13:37	6
F2200864007	LANDMARK_DUP	WA	SM 10200 H	02/24/2022 09:42	02/24/2022 13:37	2
F2200864007	LANDMARK_DUP	WA	SM 4500NO3-F (Low Level)	02/24/2022 09:42	02/24/2022 13:37	3
F2200864008	HC_CENTER	WA	Calculation	02/24/2022 09:54	02/24/2022 13:37	1
F2200864008	HC_CENTER	WA	DISRES	02/24/2022 09:54	02/24/2022 13:37	3
F2200864008	HC_CENTER	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 09:54	02/24/2022 13:37	1
F2200864008	HC_CENTER	WA	EPA 180.1	02/24/2022 09:54	02/24/2022 13:37	1
F2200864008	HC_CENTER	WA	EPA 351.2	02/24/2022 09:54	02/24/2022 13:37	1
F2200864008	HC_CENTER	WA	EPA 365.3	02/24/2022 09:54	02/24/2022 13:37	1
F2200864008	HC_CENTER	WA	Field Measurements	02/24/2022 09:54	02/24/2022 13:37	6

Monday, March 21, 2022 9:09:16 AM
 Dates and times are displayed using (-04:00)
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Workorder: MARCO (F2200864)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
F2200864008	HC_CENTER	WA	SM 10200 H	02/24/2022 09:54	02/24/2022 13:37	2
F2200864008	HC_CENTER	WA	SM 4500NO3-F (Low Level)	02/24/2022 09:54	02/24/2022 13:37	3
F2200864009	SWALLOW	WA	Calculation	02/24/2022 10:06	02/24/2022 13:37	1
F2200864009	SWALLOW	WA	DISRES	02/24/2022 10:06	02/24/2022 13:37	3
F2200864009	SWALLOW	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 10:06	02/24/2022 13:37	1
F2200864009	SWALLOW	WA	EPA 180.1	02/24/2022 10:06	02/24/2022 13:37	1
F2200864009	SWALLOW	WA	EPA 351.2	02/24/2022 10:06	02/24/2022 13:37	1
F2200864009	SWALLOW	WA	EPA 365.3	02/24/2022 10:06	02/24/2022 13:37	1
F2200864009	SWALLOW	WA	Field Measurements	02/24/2022 10:06	02/24/2022 13:37	6
F2200864009	SWALLOW	WA	SM 10200 H	02/24/2022 10:06	02/24/2022 13:37	2
F2200864009	SWALLOW	WA	SM 4500NO3-F (Low Level)	02/24/2022 10:06	02/24/2022 13:37	3
F2200864010	W_WINTERBERRY_BRIDGE	WA	Calculation	02/24/2022 10:23	02/24/2022 13:37	1
F2200864010	W_WINTERBERRY_BRIDGE	WA	DISRES	02/24/2022 10:23	02/24/2022 13:37	3
F2200864010	W_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 10:23	02/24/2022 13:37	1
F2200864010	W_WINTERBERRY_BRIDGE	WA	EPA 180.1	02/24/2022 10:23	02/24/2022 13:37	1
F2200864010	W_WINTERBERRY_BRIDGE	WA	EPA 351.2	02/24/2022 10:23	02/24/2022 13:37	1
F2200864010	W_WINTERBERRY_BRIDGE	WA	EPA 365.3	02/24/2022 10:23	02/24/2022 13:37	1
F2200864010	W_WINTERBERRY_BRIDGE	WA	Field Measurements	02/24/2022 10:23	02/24/2022 13:37	6
F2200864010	W_WINTERBERRY_BRIDGE	WA	SM 10200 H	02/24/2022 10:23	02/24/2022 13:37	2
F2200864010	W_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	02/24/2022 10:23	02/24/2022 13:37	3
F2200864011	E_WINTERBERRY_BRIDGE	WA	Calculation	02/24/2022 10:31	02/24/2022 13:37	1
F2200864011	E_WINTERBERRY_BRIDGE	WA	DISRES	02/24/2022 10:31	02/24/2022 13:37	3
F2200864011	E_WINTERBERRY_BRIDGE	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 10:31	02/24/2022 13:37	1
F2200864011	E_WINTERBERRY_BRIDGE	WA	EPA 180.1	02/24/2022 10:31	02/24/2022 13:37	1
F2200864011	E_WINTERBERRY_BRIDGE	WA	EPA 351.2	02/24/2022 10:31	02/24/2022 13:37	1
F2200864011	E_WINTERBERRY_BRIDGE	WA	EPA 365.3	02/24/2022 10:31	02/24/2022 13:37	1
F2200864011	E_WINTERBERRY_BRIDGE	WA	Field Measurements	02/24/2022 10:31	02/24/2022 13:37	6
F2200864011	E_WINTERBERRY_BRIDGE	WA	SM 10200 H	02/24/2022 10:31	02/24/2022 13:37	2
F2200864011	E_WINTERBERRY_BRIDGE	WA	SM 4500NO3-F (Low Level)	02/24/2022 10:31	02/24/2022 13:37	3
F2200864012	MCILVAINE	WA	Calculation	02/24/2022 10:45	02/24/2022 13:37	1
F2200864012	MCILVAINE	WA	DISRES	02/24/2022 10:45	02/24/2022 13:37	3
F2200864012	MCILVAINE	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 10:45	02/24/2022 13:37	1





FINAL

Workorder: MARCO (F2200864)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analyses Reported
F2200864012	MCILVAINE	WA	EPA 180.1	02/24/2022 10:45	02/24/2022 13:37	1
F2200864012	MCILVAINE	WA	EPA 351.2	02/24/2022 10:45	02/24/2022 13:37	1
F2200864012	MCILVAINE	WA	EPA 365.3	02/24/2022 10:45	02/24/2022 13:37	1
F2200864012	MCILVAINE	WA	Field Measurements	02/24/2022 10:45	02/24/2022 13:37	6
F2200864012	MCILVAINE	WA	SM 10200 H	02/24/2022 10:45	02/24/2022 13:37	2
F2200864012	MCILVAINE	WA	SM 4500NO3-F (Low Level)	02/24/2022 10:45	02/24/2022 13:37	3
F2200864013	HUMMINGBIRD	WA	Calculation	02/24/2022 11:00	02/24/2022 13:37	1
F2200864013	HUMMINGBIRD	WA	DISRES	02/24/2022 11:00	02/24/2022 13:37	3
F2200864013	HUMMINGBIRD	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 11:00	02/24/2022 13:37	1
F2200864013	HUMMINGBIRD	WA	EPA 180.1	02/24/2022 11:00	02/24/2022 13:37	1
F2200864013	HUMMINGBIRD	WA	EPA 351.2	02/24/2022 11:00	02/24/2022 13:37	1
F2200864013	HUMMINGBIRD	WA	EPA 365.3	02/24/2022 11:00	02/24/2022 13:37	1
F2200864013	HUMMINGBIRD	WA	Field Measurements	02/24/2022 11:00	02/24/2022 13:37	6
F2200864013	HUMMINGBIRD	WA	SM 10200 H	02/24/2022 11:00	02/24/2022 13:37	2
F2200864013	HUMMINGBIRD	WA	SM 4500NO3-F (Low Level)	02/24/2022 11:00	02/24/2022 13:37	3
F2200864014	HOLLYHOCK	WA	Calculation	02/24/2022 11:14	02/24/2022 13:37	1
F2200864014	HOLLYHOCK	WA	DISRES	02/24/2022 11:14	02/24/2022 13:37	3
F2200864014	HOLLYHOCK	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 11:14	02/24/2022 13:37	1
F2200864014	HOLLYHOCK	WA	EPA 180.1	02/24/2022 11:14	02/24/2022 13:37	1
F2200864014	HOLLYHOCK	WA	EPA 351.2	02/24/2022 11:14	02/24/2022 13:37	1
F2200864014	HOLLYHOCK	WA	EPA 365.3	02/24/2022 11:14	02/24/2022 13:37	1
F2200864014	HOLLYHOCK	WA	Field Measurements	02/24/2022 11:14	02/24/2022 13:37	6
F2200864014	HOLLYHOCK	WA	SM 10200 H	02/24/2022 11:14	02/24/2022 13:37	2
F2200864014	HOLLYHOCK	WA	SM 4500NO3-F (Low Level)	02/24/2022 11:14	02/24/2022 13:37	3
F2200864015	WINDMILL	WA	Calculation	02/24/2022 11:25	02/24/2022 13:37	1
F2200864015	WINDMILL	WA	DISRES	02/24/2022 11:25	02/24/2022 13:37	3
F2200864015	WINDMILL	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 11:25	02/24/2022 13:37	1
F2200864015	WINDMILL	WA	EPA 180.1	02/24/2022 11:25	02/24/2022 13:37	1
F2200864015	WINDMILL	WA	EPA 351.2	02/24/2022 11:25	02/24/2022 13:37	1
F2200864015	WINDMILL	WA	EPA 365.3	02/24/2022 11:25	02/24/2022 13:37	1
F2200864015	WINDMILL	WA	Field Measurements	02/24/2022 11:25	02/24/2022 13:37	6
F2200864015	WINDMILL	WA	SM 10200 H	02/24/2022 11:25	02/24/2022 13:37	2
F2200864015	WINDMILL	WA	SM 4500NO3-F (Low Level)	02/24/2022 11:25	02/24/2022 13:37	3
F2200864016	EQUIPMENT_BLANK	WA	Calculation	02/24/2022 11:34	02/24/2022 13:37	1
F2200864016	EQUIPMENT_BLANK	WA	ENTEROLERT/ QUANTI-TRAY	02/24/2022 11:34	02/24/2022 13:37	1





Advanced Environmental Laboratories, Inc
13100 Westlinks Terrace, Unit 10 Ft. Myers FL 33913
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
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FINAL

Workorder: MARCO (F2200864)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported
F2200864016	EQUIPMENT_BLANK	WA	EPA 180.1	02/24/2022 11:34	02/24/2022 13:37	1
F2200864016	EQUIPMENT_BLANK	WA	EPA 351.2	02/24/2022 11:34	02/24/2022 13:37	1
F2200864016	EQUIPMENT_BLANK	WA	EPA 365.3	02/24/2022 11:34	02/24/2022 13:37	1
F2200864016	EQUIPMENT_BLANK	WA	SM 10200 H	02/24/2022 11:34	02/24/2022 13:37	2
F2200864016	EQUIPMENT_BLANK	WA	SM 4500NO3-F (Low Level)	02/24/2022 11:34	02/24/2022 13:37	3

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Workorder: MARCO (F2200864)

Analytical Results Qualifiers

Parameter Qualifiers

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

Lab Qualifiers

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

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FINAL

Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864001 **Date Collected:** 02/24/2022 08:38 **Matrix:** Water
Sample ID: BARFIELD_BRIDGE **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/07/2022 12:51	03/07/2022 12:51	X
Secchi Disc	1	meters			1	03/07/2022 12:52	03/07/2022 12:52	X
Total Depth	2.5	meters			1	03/07/2022 12:45	03/07/2022 12:45	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53493	umhos/cm			1	03/07/2022 12:52	03/07/2022 12:52	F
DO Saturation %	76.8	%			1	03/07/2022 12:52	03/07/2022 12:52	F
Dissolved Oxygen	5.46	mg/L			1	03/07/2022 12:52	03/07/2022 12:52	F
Salinity	35.35	ppt			1	03/07/2022 12:52	03/07/2022 12:52	F
Temperature	22.9	°C			1	03/07/2022 12:52	03/07/2022 12:52	F
pH	7.81	SU			1	03/07/2022 12:52	03/07/2022 12:52	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	31	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.284	mg/L	0.2	0.12	1	03/17/2022 14:05	03/17/2022 14:05	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.284 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.006 I	mg/L	0.01	0.0060	1	02/25/2022 13:11	02/25/2022 13:11	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	02/25/2022 13:11	02/25/2022 13:11	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:11	02/25/2022 13:11	T





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Workorder: MARCO (F2200864)

Analytical Results

Analysis Results Comments

Corrected Chlorophyll A

samples F2200864001-15 filtered on 2/25/2022 at 12:36

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FINAL

Workorder: MARCO (F2200864)

Analytical Results

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2200864002 Date Collected: 02/24/2022 08:50 Matrix: Water								
Sample ID: OLDE_MARCO Date Received: 02/24/2022 13:37								
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 08:36	03/14/2022 08:36	X
Secchi Disc	1	meters			1	03/14/2022 08:36	03/14/2022 08:36	X
Total Depth	1.5	meters			1	03/14/2022 08:33	03/14/2022 08:33	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53677	umhos/cm			1	03/14/2022 08:37	03/14/2022 08:37	F
DO Saturation %	74.1	%			1	03/14/2022 08:37	03/14/2022 08:37	F
Dissolved Oxygen	6.02	mg/L			1	03/14/2022 08:37	03/14/2022 08:37	F
Salinity	35.49	ppt			1	03/14/2022 08:37	03/14/2022 08:37	F
Temperature	22.6	°C			1	03/14/2022 08:37	03/14/2022 08:37	F
pH	7.94	SU			1	03/14/2022 08:37	03/14/2022 08:37	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.309	mg/L	0.2	0.12	1	03/17/2022 14:05	03/17/2022 14:05	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.309 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	02/25/2022 13:11	02/25/2022 13:11	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	02/25/2022 13:11	02/25/2022 13:11	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:11	02/25/2022 13:11	T





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Workorder: MARCO (F2200864)

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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864003 **Date Collected:** 02/24/2022 09:04 **Matrix:** Water
Sample ID: JH_PARK **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 08:43	03/14/2022 08:43	X
Secchi Disc	1.5	meters			1	03/14/2022 08:43	03/14/2022 08:43	X
Total Depth	3	meters			1	03/14/2022 08:41	03/14/2022 08:41	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53312	umhos/cm			1	03/14/2022 08:45	03/14/2022 08:45	F
DO Saturation %	79.9	%			1	03/14/2022 08:45	03/14/2022 08:45	F
Dissolved Oxygen	5.58	mg/L			1	03/14/2022 08:45	03/14/2022 08:45	F
Salinity	35.21	ppt			1	03/14/2022 08:45	03/14/2022 08:45	F
Temperature	23.4	°C			1	03/14/2022 08:45	03/14/2022 08:45	F
pH	7.89	SU			1	03/14/2022 08:45	03/14/2022 08:45	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.265	mg/L	0.2	0.12	1	03/17/2022 14:05	03/17/2022 14:05	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.265 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.8	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.01 I	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	02/25/2022 13:12	02/25/2022 13:12	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	02/25/2022 13:12	02/25/2022 13:12	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:12	02/25/2022 13:12	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864004 **Date Collected:** 02/24/2022 09:16 **Matrix:** Water
Sample ID: KENDALL **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 08:56	03/14/2022 08:56	X
Secchi Disc	1	meters			1	03/14/2022 08:57	03/14/2022 08:57	X
Total Depth	1	meters			1	03/14/2022 08:52	03/14/2022 08:52	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53188	umhos/cm			1	03/14/2022 08:57	03/14/2022 08:57	F
DO Saturation %	78.2	%			1	03/14/2022 08:57	03/14/2022 08:57	F
Dissolved Oxygen	5.45	mg/L			1	03/14/2022 08:57	03/14/2022 08:57	F
Salinity	35.12	ppt			1	03/14/2022 08:57	03/14/2022 08:57	F
Temperature	23.3	°C			1	03/14/2022 08:57	03/14/2022 08:57	F
pH	7.89	SU			1	03/14/2022 08:57	03/14/2022 08:57	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.216	mg/L	0.2	0.12	1	03/17/2022 14:06	03/17/2022 14:06	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.216 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.01 I	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.01	mg/L	0.01	0.0060	1	02/25/2022 13:13	02/25/2022 13:13	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	02/25/2022 13:13	02/25/2022 13:13	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:13	02/25/2022 13:13	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864005 **Date Collected:** 02/24/2022 09:28 **Matrix:** Water
Sample ID: COLLIER_BRIDGE **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 09:01	03/14/2022 09:01	X
Secchi Disc	1.5	meters			1	03/14/2022 09:01	03/14/2022 09:01	X
Total Depth	2	meters			1	03/14/2022 09:00	03/14/2022 09:00	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	52688	umhos/cm			1	03/14/2022 09:02	03/14/2022 09:02	F
DO Saturation %	64.7	%			1	03/14/2022 09:02	03/14/2022 09:02	F
Dissolved Oxygen	4.46	mg/L			1	03/14/2022 09:02	03/14/2022 09:02	F
Salinity	34.74	ppt			1	03/14/2022 09:02	03/14/2022 09:02	F
Temperature	23.6	°C			1	03/14/2022 09:02	03/14/2022 09:02	F
pH	7.87	SU			1	03/14/2022 09:02	03/14/2022 09:02	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.301	mg/L	0.2	0.12	1	03/17/2022 14:06	03/17/2022 14:06	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.284 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.01 I	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	02/25/2022 13:14	02/25/2022 13:14	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	02/25/2022 13:14	02/25/2022 13:14	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:14	02/25/2022 13:14	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864006 **Date Collected:** 02/24/2022 09:37 **Matrix:** Water
Sample ID: LANDMARK **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 09:05	03/14/2022 09:05	X
Secchi Disc	2	meters			1	03/14/2022 09:09	03/14/2022 09:09	X
Total Depth	2	meters			1	03/14/2022 09:05	03/14/2022 09:05	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53257	umhos/cm			1	03/14/2022 09:10	03/14/2022 09:10	F
DO Saturation %	86.7	%			1	03/14/2022 09:10	03/14/2022 09:10	F
Dissolved Oxygen	6	mg/L			1	03/14/2022 09:10	03/14/2022 09:10	F
Salinity	35.17	ppt			1	03/14/2022 09:10	03/14/2022 09:10	F
Temperature	23.5	°C			1	03/14/2022 09:10	03/14/2022 09:10	F
pH	8.04	SU			1	03/14/2022 09:10	03/14/2022 09:10	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	74	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	03/17/2022 14:06	03/17/2022 14:06	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.060	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	02/25/2022 13:14	02/25/2022 13:14	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	02/25/2022 13:14	02/25/2022 13:14	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:14	02/25/2022 13:14	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864007 **Date Collected:** 02/24/2022 09:42 **Matrix:** Water
Sample ID: LANDMARK_DUP **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 09:14	03/14/2022 09:14	X
Secchi Disc	2	meters			1	03/14/2022 09:14	03/14/2022 09:14	X
Total Depth	2	meters			1	03/14/2022 09:12	03/14/2022 09:12	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53264	umhos/cm			1	03/14/2022 09:15	03/14/2022 09:15	F
DO Saturation %	86.3	%			1	03/14/2022 09:15	03/14/2022 09:15	F
Dissolved Oxygen	6.01	mg/L			1	03/14/2022 09:15	03/14/2022 09:15	F
Salinity	35.15	ppt			1	03/14/2022 09:15	03/14/2022 09:15	F
Temperature	23.5	°C			1	03/14/2022 09:15	03/14/2022 09:15	F
pH	8.04	SU			1	03/14/2022 09:15	03/14/2022 09:15	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	75	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.254	mg/L	0.2	0.12	1	03/17/2022 14:08	03/17/2022 14:08	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.232 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.055	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	02/25/2022 13:15	02/25/2022 13:15	T
Nitrate + Nitrite	0.02	mg/L	0.02	0.010	1	02/25/2022 13:15	02/25/2022 13:15	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:15	02/25/2022 13:15	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864008 **Date Collected:** 02/24/2022 09:54 **Matrix:** Water
Sample ID: HC_CENTER **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 09:18	03/14/2022 09:18	X
Secchi Disc	2	meters			1	03/14/2022 09:18	03/14/2022 09:18	X
Total Depth	2	meters			1	03/14/2022 09:17	03/14/2022 09:17	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	52748	umhos/cm			1	03/14/2022 09:19	03/14/2022 09:19	F
DO Saturation %	72.6	%			1	03/14/2022 09:19	03/14/2022 09:19	F
Dissolved Oxygen	5.03	mg/L			1	03/14/2022 09:19	03/14/2022 09:19	F
Salinity	34.79	ppt			1	03/14/2022 09:19	03/14/2022 09:19	F
Temperature	23.6	°C			1	03/14/2022 09:19	03/14/2022 09:19	F
pH	7.86	SU			1	03/14/2022 09:19	03/14/2022 09:19	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.267	mg/L	0.2	0.12	1	03/17/2022 14:08	03/17/2022 14:08	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.247 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.8	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.015	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	02/25/2022 13:16	02/25/2022 13:16	T
Nitrate + Nitrite	0.02	mg/L	0.02	0.010	1	02/25/2022 13:16	02/25/2022 13:16	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:16	02/25/2022 13:16	T





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Workorder: MARCO (F2200864)

Analytical Results

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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864009 **Date Collected:** 02/24/2022 10:06 **Matrix:** Water
Sample ID: SWALLOW **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 09:22	03/14/2022 09:22	X
Secchi Disc	1.5	meters			1	03/14/2022 09:22	03/14/2022 09:22	X
Total Depth	2	meters			1	03/14/2022 09:21	03/14/2022 09:21	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	52603	umhos/cm			1	03/14/2022 09:23	03/14/2022 09:23	F
DO Saturation %	76.6	%			1	03/14/2022 09:23	03/14/2022 09:23	F
Dissolved Oxygen	5.37	mg/L			1	03/14/2022 09:23	03/14/2022 09:23	F
Salinity	34.66	ppt			1	03/14/2022 09:23	03/14/2022 09:23	F
Temperature	23.1	°C			1	03/14/2022 09:23	03/14/2022 09:23	F
pH	7.93	SU			1	03/14/2022 09:23	03/14/2022 09:23	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.390	mg/L	0.2	0.12	1	03/17/2022 14:09	03/17/2022 14:09	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.370 I	mg/L	0.5	0.20	1	03/09/2022 16:55	03/10/2022 09:57	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.8	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.012	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	02/25/2022 13:23	02/25/2022 13:23	T
Nitrate + Nitrite	0.02	mg/L	0.02	0.010	1	02/25/2022 13:23	02/25/2022 13:23	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:23	02/25/2022 13:23	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864010 **Date Collected:** 02/24/2022 10:23 **Matrix:** Water
Sample ID: W_WINTERBERRY_BRID **Date Received:** 02/24/2022 13:37
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 09:25	03/14/2022 09:25	X
Secchi Disc	1	meters			1	03/14/2022 09:26	03/14/2022 09:26	X
Total Depth	2.5	meters			1	03/14/2022 09:25	03/14/2022 09:25	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53530	umhos/cm			1	03/14/2022 09:26	03/14/2022 09:26	F
DO Saturation %	83.7	%			1	03/14/2022 09:26	03/14/2022 09:26	F
Dissolved Oxygen	5.99	mg/L			1	03/14/2022 09:26	03/14/2022 09:26	F
Salinity	35.38	ppt			1	03/14/2022 09:26	03/14/2022 09:26	F
Temperature	23	°C			1	03/14/2022 09:26	03/14/2022 09:26	F
pH	7.97	SU			1	03/14/2022 09:26	03/14/2022 09:26	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.292	mg/L	0.2	0.12	1	03/17/2022 14:09	03/17/2022 14:09	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.292 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	02/24/2022 10:40	02/24/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.009 I	mg/L	0.01	0.0060	1	02/25/2022 13:25	02/25/2022 13:25	T
Nitrate + Nitrite	0.01 I	mg/L	0.02	0.010	1	02/25/2022 13:25	02/25/2022 13:25	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:25	02/25/2022 13:25	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864011 **Date Collected:** 02/24/2022 10:31 **Matrix:** Water
Sample ID: E_WINTERBERRY_BRID **Date Received:** 02/24/2022 13:37
 GE

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 09:37	03/14/2022 09:37	X
Secchi Disc	1.5	meters			1	03/14/2022 09:37	03/14/2022 09:37	X
Total Depth	2.5	meters			1	03/14/2022 09:36	03/14/2022 09:36	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53406	umhos/cm			1	03/14/2022 09:38	03/14/2022 09:38	F
DO Saturation %	74.1	%			1	03/14/2022 09:38	03/14/2022 09:38	F
Dissolved Oxygen	5.14	mg/L			1	03/14/2022 09:38	03/14/2022 09:38	F
Salinity	35.26	ppt			1	03/14/2022 09:38	03/14/2022 09:38	F
Temperature	23.6	°C			1	03/14/2022 09:38	03/14/2022 09:38	F
pH	7.95	SU			1	03/14/2022 09:38	03/14/2022 09:38	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.314	mg/L	0.2	0.12	1	03/17/2022 14:11	03/17/2022 14:11	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.296 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	1	NTU	0.1	0.10	1	02/25/2022 10:40	02/25/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.007 I	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.02	mg/L	0.01	0.0060	1	02/25/2022 13:26	02/25/2022 13:26	T
Nitrate + Nitrite	0.02 I	mg/L	0.02	0.010	1	02/25/2022 13:26	02/25/2022 13:26	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:26	02/25/2022 13:26	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864012 **Date Collected:** 02/24/2022 10:45 **Matrix:** Water
Sample ID: MCILVAINE **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 09:56	03/14/2022 09:56	X
Secchi Disc	1	meters			1	03/14/2022 09:56	03/14/2022 09:56	X
Total Depth	2	meters			1	03/14/2022 09:55	03/14/2022 09:55	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53680	umhos/cm			1	03/14/2022 09:57	03/14/2022 09:57	F
DO Saturation %	89.1	%			1	03/14/2022 09:57	03/14/2022 09:57	F
Dissolved Oxygen	6.27	mg/L			1	03/14/2022 09:57	03/14/2022 09:57	F
Salinity	35.49	ppt			1	03/14/2022 09:57	03/14/2022 09:57	F
Temperature	22.6	°C			1	03/14/2022 09:57	03/14/2022 09:57	F
pH	8.02	SU			1	03/14/2022 09:57	03/14/2022 09:57	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	03/17/2022 14:11	03/17/2022 14:11	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.6	NTU	0.1	0.10	1	02/25/2022 10:40	02/25/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.007 I	mg/L	0.01	0.0060	1	02/25/2022 13:26	02/25/2022 13:26	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	02/25/2022 13:26	02/25/2022 13:26	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:26	02/25/2022 13:26	T





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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864013 **Date Collected:** 02/24/2022 11:00 **Matrix:** Water
Sample ID: HUMMINGBIRD **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 10:03	03/14/2022 10:03	X
Secchi Disc	1	meters			1	03/14/2022 10:04	03/14/2022 10:04	X
Total Depth	1.5	meters			1	03/14/2022 10:03	03/14/2022 10:03	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	52895	umhos/cm			1	03/14/2022 10:04	03/14/2022 10:04	F
DO Saturation %	83.4	%			1	03/14/2022 10:04	03/14/2022 10:04	F
Dissolved Oxygen	5.72	mg/L			1	03/14/2022 10:04	03/14/2022 10:04	F
Salinity	34.89	ppt			1	03/14/2022 10:04	03/14/2022 10:04	F
Temperature	24.1	°C			1	03/14/2022 10:04	03/14/2022 10:04	F
pH	7.96	SU			1	03/14/2022 10:04	03/14/2022 10:04	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	03/17/2022 14:23	03/17/2022 14:23	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	02/25/2022 10:40	02/25/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	02/25/2022 13:27	02/25/2022 13:27	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	02/25/2022 13:27	02/25/2022 13:27	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:27	02/25/2022 13:27	T





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Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2200864014 Date Collected: 02/24/2022 11:14 Matrix: Water								
Sample ID: HOLLYHOCK Date Received: 02/24/2022 13:37								
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 10:09	03/14/2022 10:09	X
Secchi Disc	1	meters			1	03/14/2022 10:10	03/14/2022 10:10	X
Total Depth	1.5	meters			1	03/14/2022 10:09	03/14/2022 10:09	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53791	umhos/cm			1	03/14/2022 10:11	03/14/2022 10:11	F
DO Saturation %	71.6	%			1	03/14/2022 10:11	03/14/2022 10:11	F
Dissolved Oxygen	4.87	mg/L			1	03/14/2022 10:11	03/14/2022 10:11	F
Salinity	35.56	ppt			1	03/14/2022 10:11	03/14/2022 10:11	F
Temperature	24.2	°C			1	03/14/2022 10:11	03/14/2022 10:11	F
pH	7.87	SU			1	03/14/2022 10:11	03/14/2022 10:11	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.333	mg/L	0.2	0.12	1	03/17/2022 14:23	03/17/2022 14:23	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.333 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	2	NTU	0.1	0.10	1	02/25/2022 10:40	02/25/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.8	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	02/25/2022 13:28	02/25/2022 13:28	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	02/25/2022 13:28	02/25/2022 13:28	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:28	02/25/2022 13:28	T





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Workorder: MARCO (F2200864)

Analytical Results

Analysis Results Comments

Total Kjeldahl Nitrogen

J4|Estimated Result

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Workorder: MARCO (F2200864)

Analytical Results

Lab ID: F2200864015 **Date Collected:** 02/24/2022 11:25 **Matrix:** Water
Sample ID: WINDMILL **Date Received:** 02/24/2022 13:37

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
FIELD PARAMETERS (DISRES)								
Sample Depth	0.3	meters			1	03/14/2022 10:14	03/14/2022 10:14	X
Secchi Disc	1.5	meters			1	03/14/2022 10:16	03/14/2022 10:16	X
Total Depth	2.5	meters			1	03/14/2022 10:14	03/14/2022 10:14	X
FIELD PARAMETERS (Field Measurements)								
Conductivity	53047	umhos/cm			1	03/14/2022 10:17	03/14/2022 10:17	F
DO Saturation %	85.9	%			1	03/14/2022 10:17	03/14/2022 10:17	F
Dissolved Oxygen	6.31	mg/L			1	03/14/2022 10:17	03/14/2022 10:17	F
Salinity	34.98	ppt			1	03/14/2022 10:17	03/14/2022 10:17	F
Temperature	24.2	°C			1	03/14/2022 10:17	03/14/2022 10:17	F
pH	7.97	SU			1	03/14/2022 10:17	03/14/2022 10:17	F
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	10 U	MPN/100 mL	10	10	10	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.210	mg/L	0.2	0.12	1	03/17/2022 14:23	03/17/2022 14:23	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.210 I	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	4	NTU	0.1	0.10	1	02/25/2022 10:40	02/25/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.018	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	4.8	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 08:30	03/01/2022 08:30	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	02/25/2022 13:29	02/25/2022 13:29	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	02/25/2022 13:29	02/25/2022 13:29	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:29	02/25/2022 13:29	T





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FINAL

Workorder: MARCO (F2200864)

Analytical Results

Certificate of Analysis

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FINAL

Workorder: MARCO (F2200864)

Analytical Results

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Lab ID: F2200864016 Date Collected: 02/24/2022 11:34 Matrix: Water								
Sample ID: EQUIPMENT_BLANK Date Received: 02/24/2022 13:37								
Microbiology (ENTEROLERT/ QUANTI-TRAY)								
Enterococcus	1 U	MPN/100 mL	1	1	1	02/24/2022 16:21	02/24/2022 16:21	F
WET CHEMISTRY (Calculation)								
Total Nitrogen	0.12 U	mg/L	0.2	0.12	1	03/17/2022 14:23	03/17/2022 14:23	G
WET CHEMISTRY (Copper Sulfate Digestion/EPA 351.2)								
Total Kjeldahl Nitrogen	0.20 U	mg/L	0.5	0.20	1	03/07/2022 16:20	03/08/2022 09:41	G
WET CHEMISTRY (EPA 180.1)								
Turbidity	0.10 U	NTU	0.1	0.10	1	02/25/2022 10:40	02/25/2022 10:40	F
WET CHEMISTRY (EPA 365.3)								
Total Phosphorus (as P)	0.005 U	mg/L	0.01	0.005	1	03/01/2022 12:20	03/02/2022 09:20	G
WET CHEMISTRY (SM 10200 H)								
Corrected Chlorophyll A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 14:00	03/01/2022 14:00	G
Pheophytin A	2.5 U	mg/m3	3.0	2.5	1	03/01/2022 14:00	03/01/2022 14:00	G
WET CHEMISTRY (SM 4500NO3-F (Low Level))								
Nitrate (as N)	0.0060 U	mg/L	0.01	0.0060	1	02/25/2022 13:29	02/25/2022 13:29	T
Nitrate + Nitrite	0.010 U	mg/L	0.02	0.010	1	02/25/2022 13:29	02/25/2022 13:29	T
Nitrite (as N)	0.0080 U	mg/L	0.01	0.0080	1	02/25/2022 13:29	02/25/2022 13:29	T

Task Comments

2676130 - WCAg/5617

filters extracted on 3/1/2022 at 10:00

Analysis Results Comments

Corrected Chlorophyll A

sample filtered on 2/25/2022 at 12:36

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FINAL

Workorder: MARCO (F2200864)

QC Results

QC Batch: WCAg/5731 **Analysis Method:** EPA 365.4
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2200864001, F2200864002, F2200864003, F2200864004

Method Blank(4233995)

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





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FINAL

Workorder: MARCO (F2200864)

QC Results

QC Batch: WCAg/5762
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2200864009

Analysis Method: EPA 351.2

Method Blank(4237380)

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

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FINAL

Workorder: MARCO (F2200864)

QC Results

QC Batch: WCAg/5763
Preparation Method: Copper Sulfate Digestion
Associated Lab IDs: F2200864009

Analysis Method: EPA 365.4

Method Blank(4237381)

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

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FINAL

Workorder: MARCO (F2200864)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MICf/1635 - ENTEROLERT/ QUANTI-TRAY			
F2200864001	BARFIELD_BRIDGE		
F2200864002	OLDE_MARCO		
F2200864003	JH_PARK		
F2200864004	KENDALL		
F2200864005	COLLIER_BRIDGE		
F2200864006	LANDMARK		
F2200864007	LANDMARK_DUP		
F2200864008	HC_CENTER		
F2200864009	SWALLOW		
F2200864010	W_WINTERBERRY_BRIDGE		
F2200864011	E_WINTERBERRY_BRIDGE		
F2200864012	MCILVAINE		
F2200864013	HUMMINGBIRD		
F2200864014	HOLLYHOCK		
F2200864015	WINDMILL		
F2200864016	EQUIPMENT_BLANK		
WCAf/1979 - EPA 180.1			
F2200864001	BARFIELD_BRIDGE		
F2200864002	OLDE_MARCO		
F2200864003	JH_PARK		
F2200864004	KENDALL		
F2200864005	COLLIER_BRIDGE		
F2200864006	LANDMARK		
F2200864007	LANDMARK_DUP		
F2200864008	HC_CENTER		
F2200864009	SWALLOW		
F2200864010	W_WINTERBERRY_BRIDGE		
F2200864011	E_WINTERBERRY_BRIDGE		
F2200864012	MCILVAINE		
F2200864013	HUMMINGBIRD		
F2200864014	HOLLYHOCK		
F2200864015	WINDMILL		
F2200864016	EQUIPMENT_BLANK		





FINAL

Workorder: MARCO (F2200864)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAg/5605 - SM 10200 H			
F2200864001	BARFIELD_BRIDGE		
F2200864002	OLDE_MARCO		
F2200864003	JH_PARK		
F2200864004	KENDALL		
F2200864005	COLLIER_BRIDGE		
F2200864006	LANDMARK		
F2200864007	LANDMARK_DUP		
F2200864008	HC_CENTER		
F2200864009	SWALLOW		
F2200864010	W_WINTERBERRY_BRIDGE		
F2200864011	E_WINTERBERRY_BRIDGE		
F2200864012	MCILVAINE		
F2200864013	HUMMINGBIRD		
F2200864014	HOLLYHOCK		
F2200864015	WINDMILL		

Batch Comments

filters extracted 2/28/22 14:30

WCAg/5613 - EPA 365.3

F2200864001	BARFIELD_BRIDGE	WCAg/5612	EPA 365.3
F2200864002	OLDE_MARCO	WCAg/5612	EPA 365.3
F2200864003	JH_PARK	WCAg/5612	EPA 365.3
F2200864004	KENDALL	WCAg/5612	EPA 365.3
F2200864005	COLLIER_BRIDGE	WCAg/5612	EPA 365.3
F2200864006	LANDMARK	WCAg/5612	EPA 365.3
F2200864007	LANDMARK_DUP	WCAg/5612	EPA 365.3
F2200864008	HC_CENTER	WCAg/5612	EPA 365.3
F2200864009	SWALLOW	WCAg/5612	EPA 365.3
F2200864010	W_WINTERBERRY_BRIDGE	WCAg/5612	EPA 365.3
F2200864011	E_WINTERBERRY_BRIDGE	WCAg/5612	EPA 365.3
F2200864012	MCILVAINE	WCAg/5612	EPA 365.3
F2200864013	HUMMINGBIRD	WCAg/5612	EPA 365.3
F2200864014	HOLLYHOCK	WCAg/5612	EPA 365.3

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FINAL

Workorder: MARCO (F2200864)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCAg/5615 - EPA 365.3			
F2200864015	WINDMILL	WCAg/5614	EPA 365.3
F2200864016	EQUIPMENT_BLANK	WCAg/5614	EPA 365.3

WCAg/5617 - SM 10200 H			
F2200864016	EQUIPMENT_BLANK		

Batch Comments

filters extracted 3/1/22 10:00

WCAg/5730 - EPA 351.2			
F2200864001	BARFIELD_BRIDGE	WCAg/5709	Copper Sulfate Digestion
F2200864002	OLDE_MARCO	WCAg/5709	Copper Sulfate Digestion
F2200864003	JH_PARK	WCAg/5709	Copper Sulfate Digestion
F2200864004	KENDALL	WCAg/5709	Copper Sulfate Digestion

WCAg/5732 - EPA 351.2			
F2200864005	COLLIER_BRIDGE	WCAg/5710	Copper Sulfate Digestion
F2200864006	LANDMARK	WCAg/5710	Copper Sulfate Digestion
F2200864007	LANDMARK_DUP	WCAg/5710	Copper Sulfate Digestion
F2200864008	HC_CENTER	WCAg/5710	Copper Sulfate Digestion
F2200864010	W_WINTERBERRY_BRIDGE	WCAg/5710	Copper Sulfate Digestion
F2200864011	E_WINTERBERRY_BRIDGE	WCAg/5710	Copper Sulfate Digestion
F2200864012	MCILVAINE	WCAg/5710	Copper Sulfate Digestion
F2200864013	HUMMINGBIRD	WCAg/5710	Copper Sulfate Digestion
F2200864014	HOLLYHOCK	WCAg/5710	Copper Sulfate Digestion
F2200864015	WINDMILL	WCAg/5710	Copper Sulfate Digestion
F2200864016	EQUIPMENT_BLANK	WCAg/5710	Copper Sulfate Digestion

WCAg/5762 - EPA 351.2			
F2200864009	SWALLOW	WCAg/5751	Copper Sulfate Digestion

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FINAL

Workorder: MARCO (F2200864)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
WCA#10669 - SM 4500NO3-F (Low Level)			
F2200864001	BARFIELD_BRIDGE		
F2200864002	OLDE_MARCO		
F2200864003	JH_PARK		
F2200864004	KENDALL		
F2200864005	COLLIER_BRIDGE		
F2200864006	LANDMARK		
F2200864007	LANDMARK_DUP		
F2200864008	HC_CENTER		
WCA#10670 - SM 4500NO3-F (Low Level)			
F2200864009	SWALLOW		
F2200864010	W_WINTERBERRY_BRIDGE		
F2200864011	E_WINTERBERRY_BRIDGE		
F2200864012	MCILVAINE		
F2200864013	HUMMINGBIRD		
F2200864014	HOLLYHOCK		
F2200864015	WINDMILL		
F2200864016	EQUIPMENT_BLANK		





Work Order: F2200864
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 F2200864014 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: All acceptance criteria were met.



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FINAL

Workorder: MARCO (F2200864)



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- Fort Myers, 13100 Westlinks Terrace, Ste. 10 Ft. Myers, FL 33913 • 239.674.8130 • Lab ID: E54492
- Jacksonville, 6831 Sandpiper Pkwy., Ft. 32216 • 904.963.9350 • Lab ID: E52574
- Tallahassee, 2659 North Monroe St., Suite D Ft. 32303 • 904.219.6274 • Lab ID: E511055

- Gainesville, 4865 SW 41st Blvd., Ft. 32608 • 352.377.2349 • Lab ID: E52001
- Miamar, 10200 USA Today Way, Ft. 32025 • 954.886.2289 • Lab ID: E52335
- Tampa, 5910 Phoenia Palm Ave., Ft. 33619 • 813.830.9616 • Lab ID: E54599

F2200864

Page 2 of 2

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

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MTRX	NO. COUNT	ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	LABORATORY I.D. NUMBER
			DATE	TIME					
E_WINTERBERRY_BRIDGE	Grab		2/24/22		SW	4	NO2/NO3	250 mL Plastic	011
	MCILVAINE	Grab			SW	4	TKN/TP/TN	250 mL Plastic	012
	HUMMINGBIRD	Grab			SW	4	Chlor-A/Turbidity	1L Amb Plastic	013
	HOLLYHOCK	Grab			SW	4	Enterococci	100 mL Cup	014
	WINDMILL	Grab			SW	4			015
	EQUIPMENT_BLANK	Grab			SW	4			016

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

XCN: 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: IV

Temp. when received (observed) 11.4 °C Temp. when received (corrected) 11.4 °C

Temp. when received (observed) 11.4 °C Temp. when received (corrected) 11.4 °C

FOR DRINKING WATER USE: (When PWS information not otherwise supplied) PWS ID: _____

Contact Person: _____

Supplier of Water: _____

Site Address: _____



Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters								
SAMPLE LOCATION	BARFIELD BRIDGE	BARFIELD BRIDGE	OLDE MARCO	OLDE MARCO	JH PARK	JH PARK	KENDALL	KENDALL
SAMPLE TIME	08:38	08:41	08:50	08:52	09:04	09:06	09:16	09:17
SAMPLE DEPTH	0.30m top	2.0	0.30m top	1.0	0.30m top	2.5	0.30m top	1.0
TOTAL DEPTH	2.5	2.5	1.5	1.5	3.0	3.0	1.0	1.0
TEMP /C	22.9	22.9	22.6	22.6	23.4	23.4	23.3	23.3
D.O. mg / L	5.46	5.23	6.02	5.02	5.58	5.73	5.45	5.17
D.O. % sat.	76.8	75.2	74.1	72.7	79.9	82.2	78.2	75.1
CONDUCTIVITY(umhos)	53,493	53,527	53,677	53,682	53,312	53,310	53,188	53,191
SALINITY ppt.	35.35	35.37	35.49	35.50	35.21	35.22	35.12	35.12
pH su.	7.81	7.87	7.94	7.95	7.89	7.89	7.89	7.89
SECCHI DEPTH	1.0	1.0	1.0	1.0	1.5	1.5	1.0	1.0

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

Authentication			
SAMPLED BY: (PRINT) /	BM / AEL	Sampler's Signature	<i>Brian Miller</i>
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			Date 2/24/22

Advanced Environmental Laboratories, Inc


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

SAMPLE LOCATION	COLLIER BRIDGE	COLLIER BRIDGE	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP	HC CENTER	HC CENTER
SAMPLE TIME	09:28	09:29	09:37	09:39	09:42	09:44	09:54	09:56
SAMPLE DEPTH	0.30m top	1.5	0.30m top	1.5	0.30m top	1.5	0.30m top	1.5
TOTAL DEPTH	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
TEMP /C	23.6	23.6	23.5	23.4	23.5	23.3	23.6	23.6
D.O. mg / L	4.46	4.34	6.00	5.30	6.01	5.27	5.03	4.64
D.O. % sat.	64.7	63.5	86.7	76.2	86.3	76.0	72.6	66.8
CONDUCTIVITY(umhos)	52,688	52,968	53,257	53,266	53,264	53,269	52,748	52,751
SALINITY ppt.	34.74	34.95	35.17	35.17	35.15	35.16	34.79	34.79
pH su.	7.87	7.84	8.04	7.99	8.04	8.01	7.86	7.86
SECCHI DEPTH	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0

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

Authentication

SAMPLED BY: (PRINT) /	BM / AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			2/24/22

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	10:06	10:08	10:23	10:25	10:31	10:35	10:45	10:47
SAMPLE DEPTH	0.30m top	1.5	0.30m top	2.0	0.30m top	2.0	0.30m top	1.5
TOTAL DEPTH	2.0	2.0	2.5	2.5	2.5	2.5	2.0	2.0
TEMP /C	23.1	23.0	23.0	23.0	23.6	23.4	22.6	22.2
D.O. mg / L	5.37	5.11	5.99	5.36	5.14	5.17	6.27	5.71
D.O. % sat.	76.6	73.0	83.7	76.7	74.1	74.3	89.1	80.7
CONDUCTIVITY(umhos)	52,603	53,410	53,530	53,542	53,406	53,529	53,680	53,730
SALINITY ppt.	34.66	35.29	35.38	35.40	35.26	35.37	35.49	35.54
pH su.	7.93	8.01	7.97	7.98	7.95	7.96	8.02	8.02
SECCHI DEPTH	1.5	1.5	1.0	1.0	1.5	1.5	1.0	1.0

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


Authentication			
SAMPLED BY: (PRINT) /	BM / AEL	Sampler's Signature 	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			2/24/22

Advanced Environmental Laboratories, Inc

Client Name:	CITY OF MARCO ISLAND	Site Name:	MARCO ISLAND WATERWAYS
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Water Sample Parameters							
SAMPLE LOCATION	HUMMING BIRD	HUMMING BIRD	HOLLY HOCK	HOLLY HOCK	WINDMILL	WINDMILL	EQUIP BLANK
SAMPLE TIME	11:00	11:02	11:14	11:16	11:25	11:30	11:34
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	24.1	23.9	24.2	24.1	24.2	23.3	NA
D.O. mg / L	5.72	5.68	4.87	4.80	6.31	5.01	NA
D.O. % sat.	83.4	82.6	71.6	70.1	85.9	72.1	NA
CONDUCTIVITY(umhos)	52,895	53,164	53,791	53,963	53,047	53,755	NA
SALINITY ppt.	34.89	35.09	35.56	35.69	34.98	35.54	NA
pH su.	7.96	7.97	7.87	7.87	7.97	7.93	NA
SECCHI DEPTH	1.0	1.0	1.0	1.0	1.5	1.5	NA

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

Authentication			
SAMPLED BY: (PRINT) /	BM / AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			2/24/22