

September 2, 2021

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

RE: Workorder: F2103368 MARCO

Dear Jason Tomassetti:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, August 16, 2021. 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

Enclosures

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SAMPLE SUMMARY

Workorder: F2103368 MARCO

Lab ID	Sample ID	Matrix	Date Collected	Date Received
F2103368001	BARFIELD_BRIDGE	Water	8/16/2021 07:00	8/16/2021 12:00
F2103368002	OLDE_MARCO	Water	8/16/2021 07:15	8/16/2021 12:00
F2103368003	JH_PARK	Water	8/16/2021 07:32	8/16/2021 12:00
F2103368004	KENDALL	Water	8/16/2021 07:45	8/16/2021 12:00
F2103368005	COLLIER_BRIDGE	Water	8/16/2021 07:55	8/16/2021 12:00
F2103368006	HC_CENTER	Water	8/16/2021 08:25	8/16/2021 12:00
F2103368007	LANDMARK	Water	8/16/2021 08:08	8/16/2021 12:00
F2103368008	LANDMARK_DUP	Water	8/16/2021 08:09	8/16/2021 12:00
F2103368009	SWALLOW	Water	8/16/2021 08:40	8/16/2021 12:00
F2103368010	W_WINTERBERRY_BRIDGE	Water	8/16/2021 08:53	8/16/2021 12:00
F2103368011	E_WINTERBERRY_BRIDGE	Water	8/16/2021 09:03	8/16/2021 12:00
F2103368012	MCILVAINE	Water	8/16/2021 09:25	8/16/2021 12:00
F2103368013	HUMMINGBIRD	Water	8/16/2021 10:08	8/16/2021 12:00
F2103368014	HOLLYHOCK	Water	8/16/2021 09:52	8/16/2021 12:00
F2103368015	WINDMILL	Water	8/16/2021 10:23	8/16/2021 12:00
F2103368016	EQUIPMENT_BLANK	Water	8/16/2021 10:29	8/16/2021 12:00

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368001**
Sample ID: **BARFIELD_BRIDGE**

Date Received: 08/16/21 12:00 Matrix: Water
Date Collected: 08/16/21 07:00

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			8/16/2021 07:00	X^
Secchi Disc	3		meters	1			8/16/2021 07:00	X^
Total Depth	3		meters	1			8/16/2021 07:00	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	48643		umhos/cm	1			8/16/2021 07:00	F^
DO Saturation %	82.9		%	1			8/16/2021 07:00	F^
Dissolved Oxygen	5.43		mg/L	1			8/16/2021 07:00	F^
Salinity	31.66		ppt	1			8/16/2021 07:00	F^
Temperature	28.1		°C	1			8/16/2021 07:00	F^
pH	7.87		SU	1			8/16/2021 07:00	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	10		MPN/100 mL	10	10	10	8/16/2021 14:56	F
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.319		mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	2.6		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368001** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **BARFIELD_BRIDGE** Date Collected: 08/16/21 07:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Kjeldahl Nitrogen	0.299	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.016		mg/L	1	0.010	0.0060	8/17/2021 10:10	T
Nitrate + Nitrite	0.020		mg/L	1	0.020	0.010	8/17/2021 10:10	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:10	T

Lab ID: **F2103368002** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **OLDE_MARCO** Date Collected: 08/16/21 07:15

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 07:15	X^
Secchi Disc	3		meters	1			8/16/2021 07:15	X^
Total Depth	3		meters	1			8/16/2021 07:15	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	53110		umhos/cm	1			8/16/2021 07:15	F^
DO Saturation %	78		%	1			8/16/2021 07:15	F^
Dissolved Oxygen	4.97		mg/L	1			8/16/2021 07:15	F^
Salinity	34.93		ppt	1			8/16/2021 07:15	F^
Temperature	28.7		°C	1			8/16/2021 07:15	F^
pH	7.98		SU	1			8/16/2021 07:15	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10	U	MPN/100 mL	10	10	10	8/16/2021 14:56	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368002**
 Sample ID: **OLDE_MARCO**

Date Received: 08/16/21 12:00 Matrix: Water
 Date Collected: 08/16/21 07:15

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.316		mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	4.1		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.316	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.014		mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.6	I	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0060	U	mg/L	1	0.010	0.0060	8/17/2021 10:12	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	8/17/2021 10:12	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:12	T

Lab ID: **F2103368003**
 Sample ID: **JH_PARK**

Date Received: 08/16/21 12:00 Matrix: Water
 Date Collected: 08/16/21 07:32

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 07:32	X^
Secchi Disc	3		meters	1			8/16/2021 07:32	X^
Total Depth	5		meters	1			8/16/2021 07:32	X^

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368003** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **JH_PARK** Date Collected: 08/16/21 07:32

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	46525		umhos/cm	1			8/16/2021 07:32	F^
DO Saturation %	82.3		%	1			8/16/2021 07:32	F^
Dissolved Oxygen	5.42		mg/L	1			8/16/2021 07:32	F^
Salinity	30.11		ppt	1			8/16/2021 07:32	F^
Temperature	28.4		°C	1			8/16/2021 07:32	F^
pH	7.96		SU	1			8/16/2021 07:32	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	158		MPN/100 mL	10	10	10	8/16/2021 14:56	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation						
Total Nitrogen	0.305		mg/L	1	0.20	0.12	9/2/2021 09:20	T

Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	2.0		NTU	1	0.10	0.10	8/16/2021 13:15	F

Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.292	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G

Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.023		mg/L	1	0.01	0.005	8/19/2021 15:06	G

Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G

Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0090	I	mg/L	1	0.010	0.0060	8/17/2021 10:13	T
Nitrate + Nitrite	0.013	I	mg/L	1	0.020	0.010	8/17/2021 10:13	T

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368003**

Date Received: 08/16/21 12:00 Matrix: Water

Sample ID: **JH_PARK**

Date Collected: 08/16/21 07:32

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:13	T

Lab ID: **F2103368004**

Date Received: 08/16/21 12:00 Matrix: Water

Sample ID: **KENDALL**

Date Collected: 08/16/21 07:45

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

Analysis Desc: FIELD - Sample Depth Analytical Method: DISRES

Sample Depth	0.3		meters	1			8/16/2021 07:45	X^
Secchi Disc	2.5		meters	1			8/16/2021 07:45	X^
Total Depth	4.5		meters	1			8/16/2021 07:45	X^

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	46260		umhos/cm	1			8/16/2021 07:45	F^
DO Saturation %	66.5		%	1			8/16/2021 07:45	F^
Dissolved Oxygen	4.35		mg/L	1			8/16/2021 07:45	F^
Salinity	29.91		ppt	1			8/16/2021 07:45	F^
Temperature	28.8		°C	1			8/16/2021 07:45	F^
pH	7.85		SU	1			8/16/2021 07:45	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	10		MPN/100 mL	10	10	10	8/16/2021 14:56	F
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WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water Analytical Method: Calculation

Total Nitrogen	0.381		mg/L	1	0.20	0.12	9/2/2021 09:20	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	1.9		NTU	1	0.10	0.10	8/16/2021 13:15	F
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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368004** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **KENDALL** Date Collected: 08/16/21 07:45

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.365	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.023		mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.8		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.014		mg/L	1	0.010	0.0060	8/17/2021 10:13	T
Nitrate + Nitrite	0.016	I	mg/L	1	0.020	0.010	8/17/2021 10:13	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:13	T

Lab ID: **F2103368005** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **COLLIER_BRIDGE** Date Collected: 08/16/21 07:55

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 07:55	X^
Secchi Disc	4		meters	1			8/16/2021 07:55	X^
Total Depth	5		meters	1			8/16/2021 07:55	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	46477		umhos/cm	1			8/16/2021 07:55	F^
DO Saturation %	74.8		%	1			8/16/2021 07:55	F^
Dissolved Oxygen	4.88		mg/L	1			8/16/2021 07:55	F^
Salinity	30.06		ppt	1			8/16/2021 07:55	F^

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368005**
 Sample ID: **COLLIER_BRIDGE**

Date Received: 08/16/21 12:00 Matrix: Water
 Date Collected: 08/16/21 07:55

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	28.9		°C	1			8/16/2021 07:55	F^
pH	7.87		SU	1			8/16/2021 07:55	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-
 QT Prep,Water Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	63		MPN/100 mL	10	10	10	8/16/2021 14:56	F
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WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water Analytical Method: Calculation

Total Nitrogen	0.343		mg/L	1	0.20	0.12	9/2/2021 09:20	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	1.2		NTU	1	0.10	0.10	8/16/2021 13:15	F
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Analysis Desc: TKN, E351.2, Water Preparation Method: Copper Sulfate Digestion
 Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.327	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
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Analysis Desc: Total Phosphorus, E365.3, Analysis Preparation Method: EPA 365.3
 Analytical Method: EPA 365.3

Total Phosphorus (as P)	0.047		mg/L	1	0.01	0.005	8/19/2021 15:06	G
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Analysis Desc: Chlorophylls, SM10200H, Water Analytical Method: SM 10200 H

Corrected Chlorophyll A	7.2		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G

Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F Analytical Method: SM 4500NO3-F (Low Level)

Nitrate (as N)	0.012		mg/L	1	0.010	0.0060	8/17/2021 10:14	T
Nitrate + Nitrite	0.016	I	mg/L	1	0.020	0.010	8/17/2021 10:14	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:14	T

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368006**

Date Received: 08/16/21 12:00 Matrix: Water

Sample ID: **HC_CENTER**

Date Collected: 08/16/21 08:25

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			8/16/2021 08:25	X^
Secchi Disc	3.5		meters	1			8/16/2021 08:25	X^
Total Depth	3.5		meters	1			8/16/2021 08:25	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	47032		umhos/cm	1			8/16/2021 08:25	F^
DO Saturation %	67.5		%	1			8/16/2021 08:25	F^
Dissolved Oxygen	4.39		mg/L	1			8/16/2021 08:25	F^
Salinity	30.46		ppt	1			8/16/2021 08:25	F^
Temperature	28.9		°C	1			8/16/2021 08:25	F^
pH	7.92		SU	1			8/16/2021 08:25	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	30		MPN/100 mL	10	10	10	8/16/2021 14:56	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.469		mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.67		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.469	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.012		mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	8/23/2021 09:30	G

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368006** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **HC_CENTER** Date Collected: 08/16/21 08:25

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0060	I	mg/L	1	0.010	0.0060	8/17/2021 10:15	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	8/17/2021 10:15	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:15	T

Lab ID: **F2103368007** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **LANDMARK** Date Collected: 08/16/21 08:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 08:08	X^
Secchi Disc	3.5		meters	1			8/16/2021 08:08	X^
Total Depth	5.5		meters	1			8/16/2021 08:08	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	46461		umhos/cm	1			8/16/2021 08:08	F^
DO Saturation %	74		%	1			8/16/2021 08:08	F^
Dissolved Oxygen	4.86		mg/L	1			8/16/2021 08:08	F^
Salinity	30.06		ppt	1			8/16/2021 08:08	F^
Temperature	28.6		°C	1			8/16/2021 08:08	F^
pH	8		SU	1			8/16/2021 08:08	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	213		MPN/100 mL	10	10	10	8/16/2021 14:56	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368007**
 Sample ID: **LANDMARK**

Date Received: 08/16/21 12:00 Matrix: Water
 Date Collected: 08/16/21 08:08

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Total Nitrogen	0.358		mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	0.87		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.358	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.021		mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.0		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0060	U	mg/L	1	0.010	0.0060	8/17/2021 10:16	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	8/17/2021 10:16	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:16	T

Lab ID: **F2103368008**
 Sample ID: **LANDMARK_DUP**

Date Received: 08/16/21 12:00 Matrix: Water
 Date Collected: 08/16/21 08:09

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 08:09	X^
Secchi Disc	3.5		meters	1			8/16/2021 08:09	X^
Total Depth	5.5		meters	1			8/16/2021 08:09	X^

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368008**
 Sample ID: **LANDMARK_DUP**

Date Received: 08/16/21 12:00 Matrix: Water
 Date Collected: 08/16/21 08:09

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	48281		umhos/cm	1			8/16/2021 08:09	F^
DO Saturation %	74.3		%	1			8/16/2021 08:09	F^
Dissolved Oxygen	4.82		mg/L	1			8/16/2021 08:09	F^
Salinity	31.37		ppt	1			8/16/2021 08:09	F^
Temperature	28.9		°C	1			8/16/2021 08:09	F^
pH	8.01		SU	1			8/16/2021 08:09	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	221		MPN/100 mL	10	10	10	8/16/2021 14:56	F
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.213	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water		Analytical Method: Calculation						
Total Nitrogen	0.213		mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity,E180.1,Water		Analytical Method: EPA 180.1						
Turbidity	0.79		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	5.6		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0060	U	mg/L	1	0.010	0.0060	8/17/2021 10:16	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	8/17/2021 10:16	T

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368008** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **LANDMARK_DUP** Date Collected: 08/16/21 08:09

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:16	T

Lab ID: **F2103368009** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 08/16/21 08:40

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

Analysis Desc: FIELD - Sample Depth Analytical Method: DISRES

Sample Depth	0.3		meters	1			8/16/2021 08:40	X^
Secchi Disc	2		meters	1			8/16/2021 08:40	X^
Total Depth	3.5		meters	1			8/16/2021 08:40	X^

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	49402		umhos/cm	1			8/16/2021 08:40	F^
DO Saturation %	55.5		%	1			8/16/2021 08:40	F^
Dissolved Oxygen	3.5		mg/L	1			8/16/2021 08:40	F^
Salinity	32.15		ppt	1			8/16/2021 08:40	F^
Temperature	30.3		°C	1			8/16/2021 08:40	F^
pH	7.83		SU	1			8/16/2021 08:40	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep, Water Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	10	U	MPN/100 mL	10	10	10	8/16/2021 14:56	F
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WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water Analytical Method: Calculation

Total Nitrogen	0.840		mg/L	1	0.20	0.12	9/2/2021 09:20	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	1.6		NTU	1	0.10	0.10	8/16/2021 13:15	F
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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368009** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **SWALLOW** Date Collected: 08/16/21 08:40

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.824		mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.036		mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.010		mg/L	1	0.010	0.0060	8/17/2021 10:17	T
Nitrate + Nitrite	0.016	I	mg/L	1	0.020	0.010	8/17/2021 10:17	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:17	T

Lab ID: **F2103368010** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 08/16/21 08:53

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 08:53	X^
Secchi Disc	2.5		meters	1			8/16/2021 08:53	X^
Total Depth	4.5		meters	1			8/16/2021 08:53	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50354		umhos/cm	1			8/16/2021 08:53	F^
DO Saturation %	77.9		%	1			8/16/2021 08:53	F^
Dissolved Oxygen	5		mg/L	1			8/16/2021 08:53	F^
Salinity	32.69		ppt	1			8/16/2021 08:53	F^

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368010** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **W_WINTERBERRY_BRIDGE** Date Collected: 08/16/21 08:53

Sample Description: _____ Location: _____

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	28.9		°C	1			8/16/2021 08:53	F^
pH	7.99		SU	1			8/16/2021 08:53	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10		MPN/100 mL	10	10	10	8/16/2021 14:56	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.241		mg/L	1	0.20	0.12	9/2/2021 09:20	T

Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	1.8		NTU	1	0.10	0.10	8/16/2021 13:15	F

Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.230	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G

Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.014		mg/L	1	0.01	0.005	8/19/2021 15:06	G

Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	5.6		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G

Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0070	I	mg/L	1	0.010	0.0060	8/17/2021 10:18	T
Nitrate + Nitrite	0.011	I	mg/L	1	0.020	0.010	8/17/2021 10:18	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:18	T

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368011** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 08/16/21 09:03

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth			Analytical Method: DISRES					
Sample Depth	0.3		meters	1			8/16/2021 09:03	X^
Secchi Disc	4.5		meters	1			8/16/2021 09:03	X^
Total Depth	5.5		meters	1			8/16/2021 09:03	X^
Analysis Desc: Data entry of field measurements			Analytical Method: Field Measurements					
Conductivity	50530		umhos/cm	1			8/16/2021 09:03	F^
DO Saturation %	79.8		%	1			8/16/2021 09:03	F^
Dissolved Oxygen	5.09		mg/L	1			8/16/2021 09:03	F^
Salinity	33		ppt	1			8/16/2021 09:03	F^
Temperature	29.3		°C	1			8/16/2021 09:03	F^
pH	8.11		SU	1			8/16/2021 09:03	F^
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep, Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	51		MPN/100 mL	10	10	10	8/16/2021 14:56	F
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.0060	I	mg/L	1	0.010	0.0060	8/17/2021 10:25	T
Nitrate + Nitrite	0.010	I	mg/L	1	0.020	0.010	8/17/2021 10:25	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:25	T
WET CHEMISTRY								
Analysis Desc: Total Nitrogen, Calculated, Water			Analytical Method: Calculation					
Total Nitrogen	0.495		mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity, E180.1, Water			Analytical Method: EPA 180.1					
Turbidity	3.0		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: TKN, E351.2, Water			Preparation Method: Copper Sulfate Digestion					
			Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.495	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368011** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **E_WINTERBERRY_BRIDGE** Date Collected: 08/16/21 09:03

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.007	I	mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	14		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G

Lab ID: **F2103368012** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **MCILVAINE** Date Collected: 08/16/21 09:25

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 09:25	X^
Secchi Disc	3.5		meters	1			8/16/2021 09:25	X^
Total Depth	3.25		meters	1			8/16/2021 09:25	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	50847		umhos/cm	1			8/16/2021 09:25	F^
DO Saturation %	90.9		%	1			8/16/2021 09:25	F^
Dissolved Oxygen	5.9		mg/L	1			8/16/2021 09:25	F^
Salinity	33.27		ppt	1			8/16/2021 09:25	F^
Temperature	28.1		°C	1			8/16/2021 09:25	F^
pH	8.08		SU	1			8/16/2021 09:25	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	10		MPN/100 mL	10	10	10	8/16/2021 14:56	F

WET CHEMISTRY

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368012** Date Received: 08/16/21 12:00 Matrix: Water
Sample ID: **MCILVAINE** Date Collected: 08/16/21 09:25

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.439		mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	3.3		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.439	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.041		mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	27		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0060	U	mg/L	1	0.010	0.0060	8/17/2021 10:27	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	8/17/2021 10:27	T
Nitrite (as N)	0.010		mg/L	1	0.010	0.0080	8/17/2021 10:27	T

Lab ID: **F2103368013** Date Received: 08/16/21 12:00 Matrix: Water
Sample ID: **HUMMINGBIRD** Date Collected: 08/16/21 10:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 10:08	X^
Secchi Disc	2.5		meters	1			8/16/2021 10:08	X^
Total Depth	3		meters	1			8/16/2021 10:08	X^

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368013**
Sample ID: **HUMMINGBIRD**

Date Received: 08/16/21 12:00 Matrix: Water
Date Collected: 08/16/21 10:08

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	44682		umhos/cm	1			8/16/2021 10:08	F^
DO Saturation %	71.2		%	1			8/16/2021 10:08	F^
Dissolved Oxygen	4.75		mg/L	1			8/16/2021 10:08	F^
Salinity	28.78		ppt	1			8/16/2021 10:08	F^
Temperature	27.9		°C	1			8/16/2021 10:08	F^
pH	7.83		SU	1			8/16/2021 10:08	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO- QT Prep, Water		Analytical Method: ENTEROLERT/ QUANTI-TRAY						
Enterococcus	20		MPN/100 mL	10	10	10	8/16/2021 14:56	F

WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water		Analytical Method: Calculation						
Total Nitrogen	0.564		mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity, E180.1, Water		Analytical Method: EPA 180.1						
Turbidity	1.9		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: TKN, E351.2, Water		Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.518		mg/L	1	0.50	0.20	8/24/2021 10:37	G
Analysis Desc: Total Phosphorus, E365.3, Analysis		Preparation Method: EPA 365.3 Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.021		mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H, Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	4.8		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.038		mg/L	1	0.010	0.0060	8/17/2021 10:28	T
Nitrate + Nitrite	0.046		mg/L	1	0.020	0.010	8/17/2021 10:28	T

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368013** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **HUMMINGBIRD** Date Collected: 08/16/21 10:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Nitrite (as N)	0.0080	I	mg/L	1	0.010	0.0080	8/17/2021 10:28	T

Lab ID: **F2103368014** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **HOLLYHOCK** Date Collected: 08/16/21 09:52

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
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FIELD PARAMETERS

Analysis Desc: FIELD - Sample Depth Analytical Method: DISRES

Sample Depth	0.3		meters	1			8/16/2021 09:52	X^
Secchi Disc	2.5		meters	1			8/16/2021 09:52	X^
Total Depth	3		meters	1			8/16/2021 09:52	X^

Analysis Desc: Data entry of field measurements Analytical Method: Field Measurements

Conductivity	45975		umhos/cm	1			8/16/2021 09:52	F^
DO Saturation %	68.9		%	1			8/16/2021 09:52	F^
Dissolved Oxygen	4.51		mg/L	1			8/16/2021 09:52	F^
Salinity	29.7		ppt	1			8/16/2021 09:52	F^
Temperature	28.8		°C	1			8/16/2021 09:52	F^
pH	7.97		SU	1			8/16/2021 09:52	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-QT Prep,Water Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	10		MPN/100 mL	10	10	10	8/16/2021 14:56	F
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WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water Analytical Method: Calculation

Total Nitrogen	0.458		mg/L	1	0.20	0.12	9/2/2021 09:20	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	1.2		NTU	1	0.10	0.10	8/16/2021 13:15	F
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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368014**
 Sample ID: **HOLLYHOCK**

Date Received: 08/16/21 12:00 Matrix: Water
 Date Collected: 08/16/21 09:52

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: TKN,E351.2,Water		Preparation Method: Copper Sulfate Digestion						
		Analytical Method: EPA 351.2						
Total Kjeldahl Nitrogen	0.447	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Total Phosphorus,E365.3,Analysis		Preparation Method: EPA 365.3						
		Analytical Method: EPA 365.3						
Total Phosphorus (as P)	0.027		mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water		Analytical Method: SM 10200 H						
Corrected Chlorophyll A	12		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low-Level,SM4500NO3F		Analytical Method: SM 4500NO3-F (Low Level)						
Nitrate (as N)	0.0060	U	mg/L	1	0.010	0.0060	8/17/2021 10:28	T
Nitrate + Nitrite	0.011	I	mg/L	1	0.020	0.010	8/17/2021 10:28	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:28	T

Lab ID: **F2103368015**
 Sample ID: **WINDMILL**

Date Received: 08/16/21 12:00 Matrix: Water
 Date Collected: 08/16/21 10:23

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Analysis Desc: FIELD - Sample Depth		Analytical Method: DISRES						
Sample Depth	0.3		meters	1			8/16/2021 10:23	X^
Secchi Disc	3.5		meters	1			8/16/2021 10:23	X^
Total Depth	4		meters	1			8/16/2021 10:23	X^
Analysis Desc: Data entry of field measurements		Analytical Method: Field Measurements						
Conductivity	46355		umhos/cm	1			8/16/2021 10:23	F^
DO Saturation %	70.8		%	1			8/16/2021 10:23	F^
Dissolved Oxygen	4.64		mg/L	1			8/16/2021 10:23	F^
Salinity	29.98		ppt	1			8/16/2021 10:23	F^

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368015**

Date Received: 08/16/21 12:00 Matrix: Water

Sample ID: **WINDMILL**

Date Collected: 08/16/21 10:23

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Temperature	28.6		°C	1			8/16/2021 10:23	F^
pH	7.92		SU	1			8/16/2021 10:23	F^

Microbiology

Analysis Desc: Enterococcus w/MICRO-
QT Prep,Water Analytical Method: ENTEROLERT/ QUANTI-TRAY

Enterococcus	30		MPN/100 mL	10	10	10	8/16/2021 14:56	F
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WET CHEMISTRY

Analysis Desc: Total Nitrogen, Calculated, Water Analytical Method: Calculation

Total Nitrogen	0.390		mg/L	1	0.20	0.12	9/2/2021 09:20	T
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Analysis Desc: Turbidity, E180.1, Water Analytical Method: EPA 180.1

Turbidity	1.7		NTU	1	0.10	0.10	8/16/2021 13:15	F
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Analysis Desc: TKN, E351.2, Water Preparation Method: Copper Sulfate Digestion
Analytical Method: EPA 351.2

Total Kjeldahl Nitrogen	0.378	I	mg/L	1	0.50	0.20	8/20/2021 09:46	G
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Analysis Desc: Total Phosphorus, E365.3, Analysis Preparation Method: EPA 365.3
Analytical Method: EPA 365.3

Total Phosphorus (as P)	0.01	I	mg/L	1	0.01	0.005	8/19/2021 15:06	G
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Analysis Desc: Chlorophylls, SM10200H, Water Analytical Method: SM 10200 H

Corrected Chlorophyll A	5.6		mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Phaeophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G

Analysis Desc: Nitrate+Nitrite Low-Level, SM4500NO3F Analytical Method: SM 4500NO3-F (Low Level)

Nitrate (as N)	0.0060	I	mg/L	1	0.010	0.0060	8/17/2021 10:29	T
Nitrate + Nitrite	0.012	I	mg/L	1	0.020	0.010	8/17/2021 10:29	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:29	T

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ANALYTICAL RESULTS

Workorder: F2103368 MARCO

Lab ID: **F2103368016** Date Received: 08/16/21 12:00 Matrix: Water
 Sample ID: **EQUIPMENT_BLANK** Date Collected: 08/16/21 10:29

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus w/MICRO- QT Prep,Water			Analytical Method: ENTEROLERT/ QUANTI-TRAY					
Enterococcus	1	U	MPN/100 mL	1	1	1	8/16/2021 14:56	F
WET CHEMISTRY								
Analysis Desc: Total Nitrogen,Calculated,Water			Analytical Method: Calculation					
Total Nitrogen	0.12	U	mg/L	1	0.20	0.12	9/2/2021 09:20	T
Analysis Desc: Turbidity,E180.1,Water			Analytical Method: EPA 180.1					
Turbidity	0.12		NTU	1	0.10	0.10	8/16/2021 13:15	F
Analysis Desc: TKN,E351.2,Water			Preparation Method: Copper Sulfate Digestion Analytical Method: EPA 351.2					
Total Kjeldahl Nitrogen	0.20	U	mg/L	1	0.50	0.20	8/20/2021 09:46	G
Analysis Desc: Total Phosphorus,E365.3,Analysis			Preparation Method: EPA 365.3 Analytical Method: EPA 365.3					
Total Phosphorus (as P)	0.005	U	mg/L	1	0.01	0.005	8/19/2021 15:06	G
Analysis Desc: Chlorophylls, SM10200H,Water			Analytical Method: SM 10200 H					
Corrected Chlorophyll A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Pheophytin A	2.5	U	mg/m3	1	3.0	2.5	8/23/2021 09:30	G
Analysis Desc: Nitrate+Nitrite Low- Level,SM4500NO3F			Analytical Method: SM 4500NO3-F (Low Level)					
Nitrate (as N)	0.0060	U	mg/L	1	0.010	0.0060	8/17/2021 10:30	T
Nitrate + Nitrite	0.010	U	mg/L	1	0.020	0.010	8/17/2021 10:30	T
Nitrite (as N)	0.0080	U	mg/L	1	0.010	0.0080	8/17/2021 10:30	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: F2103368 MARCO

PARAMETER QUALIFIERS

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

LAB QUALIFIERS

- F DOH Certification #E84492(AEL-F)(FL NELAC Certification)
- F^ Not Certified
- G DOH Certification #E82001(AEL-G)(FL NELAC Certification)
- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: F2103368 MARCO

QC Batch: MICf/1321 Analysis Method: ENTEROLERT/ QUANTI-TRAY
 QC Batch Method: ENTEROLERT/ QUANTI-TRAY Prepared:
 Associated Lab Samples: F2103368001, F2103368002, F2103368003, F2103368004, F2103368005, F2103368006, F2103368007,

METHOD BLANK: 3992643

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology Enterococcus	MPN/100	1	1 U

QC Batch: WCAf/1531 Analysis Method: EPA 180.1
 QC Batch Method: EPA 180.1 Prepared:
 Associated Lab Samples: F2103368001, F2103368002, F2103368003, F2103368004, F2103368005, F2103368006, F2103368007,

METHOD BLANK: 3993086

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY Turbidity	NTU	0.10	0.10 U

QC Batch: WCAf/6309 Analysis Method: SM 4500NO3-F (Low Level)
 QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
 Associated Lab Samples: F2103368001, F2103368002, F2103368003, F2103368004, F2103368005, F2103368006, F2103368007,

METHOD BLANK: 3993451

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY Nitrite (as N)	mg/L	0.0080	0.0080 U
Nitrate (as N)	mg/L	0.0060	0.0060 U
Nitrate + Nitrite	mg/L	0.010	0.010 U

QC Batch: WCAf/6310 Analysis Method: SM 4500NO3-F (Low Level)
 QC Batch Method: SM 4500NO3-F (Low Level) Prepared:
 Associated Lab Samples: F2103368011, F2103368012, F2103368013, F2103368014, F2103368015, F2103368016

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QUALITY CONTROL DATA

Workorder: F2103368 MARCO

METHOD BLANK: 3993456

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Nitrite (as N)	mg/L	0.0080	0.0080 U
Nitrate (as N)	mg/L	0.0060	0.0060 U
Nitrate + Nitrite	mg/L	0.010	0.010 U

QC Batch: WCAg/3532 Analysis Method: EPA 351.2
QC Batch Method: Copper Sulfate Digestion Prepared: 08/18/2021 16:20
Associated Lab Samples: F2103368001, F2103368002, F2103368003, F2103368004, F2103368005, F2103368006, F2103368007, F2103368008

METHOD BLANK: 3997058

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Kjeldahl Nitrogen	mg/L	0.20	0.20 U

QC Batch: WCAg/3533 Analysis Method: EPA 351.2
QC Batch Method: Copper Sulfate Digestion Prepared: 08/18/2021 16:20
Associated Lab Samples: F2103368009, F2103368010, F2103368011, F2103368012, F2103368014, F2103368015, F2103368016

METHOD BLANK: 3997101

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Kjeldahl Nitrogen	mg/L	0.20	0.20 U

QC Batch: WCAg/3551 Analysis Method: EPA 365.3
QC Batch Method: EPA 365.3 Prepared: 08/18/2021 10:55
Associated Lab Samples: F2103368001, F2103368002, F2103368003, F2103368004, F2103368005, F2103368006, F2103368007,

METHOD BLANK: 3998713

Parameter	Units	Blank Result	Reporting Limit Qualifiers
WET CHEMISTRY			
Total Phosphorus (as P)	mg/L	0.005	0.005 U

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QUALITY CONTROL DATA

Workorder: F2103368 MARCO

METHOD BLANK: 3998719

Parameter	Units	Blank Result	Reporting Limit Qualifiers
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WET CHEMISTRY			
Total Phosphorus (as P)	mg/L	0.005	0.005 U

QC Batch: WCAg/3565 Analysis Method: SM 10200 H

QC Batch Method: SM 10200 H Prepared:

Associated Lab Samples: F2103368001, F2103368002, F2103368003, F2103368004, F2103368005, F2103368006, F2103368007,

METHOD BLANK: 3999832

Parameter	Units	Blank Result	Reporting Limit Qualifiers
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WET CHEMISTRY			
Pheophytin A	mg/m3	2.5	2.5 U

QC Batch: WCAg/3575 Analysis Method: EPA 351.2

QC Batch Method: Copper Sulfate Digestion Prepared: 08/23/2021 15:45

Associated Lab Samples: F2103368013

METHOD BLANK: 4001547

Parameter	Units	Blank Result	Reporting Limit Qualifiers
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WET CHEMISTRY			
Total Kjeldahl Nitrogen	mg/L	0.20	0.20 U

QUALITY CONTROL DATA QUALIFIERS

Workorder: F2103368 MARCO

QUALITY CONTROL 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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2103368 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2103368001	BARFIELD_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368002	OLDE_MARCO			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368003	JH_PARK			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368004	KENDALL			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368005	COLLIER_BRIDGE			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368006	HC_CENTER			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368007	LANDMARK			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368008	LANDMARK_DUP			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368009	SWALLOW			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368010	W_WINTERBERRY_BRID GE			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368011	E_WINTERBERRY_BRIDG E			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368012	MCILVAINE			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368013	HUMMINGBIRD			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368014	HOLLYHOCK			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368015	WINDMILL			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368016	EQUIPMENT_BLANK			ENTEROLERT/ QUANTI-TRAY	MICf/1321
F2103368001	BARFIELD_BRIDGE			EPA 180.1	WCAf/1531
F2103368002	OLDE_MARCO			EPA 180.1	WCAf/1531
F2103368003	JH_PARK			EPA 180.1	WCAf/1531
F2103368004	KENDALL			EPA 180.1	WCAf/1531
F2103368005	COLLIER_BRIDGE			EPA 180.1	WCAf/1531
F2103368006	HC_CENTER			EPA 180.1	WCAf/1531
F2103368007	LANDMARK			EPA 180.1	WCAf/1531
F2103368008	LANDMARK_DUP			EPA 180.1	WCAf/1531
F2103368009	SWALLOW			EPA 180.1	WCAf/1531
F2103368010	W_WINTERBERRY_BRID GE			EPA 180.1	WCAf/1531
F2103368011	E_WINTERBERRY_BRIDG E			EPA 180.1	WCAf/1531
F2103368012	MCILVAINE			EPA 180.1	WCAf/1531

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2103368 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2103368013	HUMMINGBIRD			EPA 180.1	WCAf/1531
F2103368014	HOLLYHOCK			EPA 180.1	WCAf/1531
F2103368015	WINDMILL			EPA 180.1	WCAf/1531
F2103368016	EQUIPMENT_BLANK			EPA 180.1	WCAf/1531
F2103368001	BARFIELD_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368002	OLDE_MARCO			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368003	JH_PARK			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368004	KENDALL			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368005	COLLIER_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368006	HC_CENTER			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368007	LANDMARK			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368008	LANDMARK_DUP			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368009	SWALLOW			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368010	W_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/6309
F2103368011	E_WINTERBERRY_BRIDGE			SM 4500NO3-F (Low Level)	WCAf/6310
F2103368012	MCILVAINE			SM 4500NO3-F (Low Level)	WCAf/6310
F2103368013	HUMMINGBIRD			SM 4500NO3-F (Low Level)	WCAf/6310
F2103368014	HOLLYHOCK			SM 4500NO3-F (Low Level)	WCAf/6310
F2103368015	WINDMILL			SM 4500NO3-F (Low Level)	WCAf/6310
F2103368016	EQUIPMENT_BLANK			SM 4500NO3-F (Low Level)	WCAf/6310
F2103368001	BARFIELD_BRIDGE	Copper Sulfate Digestion	WCAg/3532	EPA 351.2	WCAg/3559
F2103368002	OLDE_MARCO	Copper Sulfate Digestion	WCAg/3532	EPA 351.2	WCAg/3559
F2103368003	JH_PARK	Copper Sulfate Digestion	WCAg/3532	EPA 351.2	WCAg/3559
F2103368004	KENDALL	Copper Sulfate Digestion	WCAg/3532	EPA 351.2	WCAg/3559
F2103368005	COLLIER_BRIDGE	Copper Sulfate Digestion	WCAg/3532	EPA 351.2	WCAg/3559
F2103368006	HC_CENTER	Copper Sulfate Digestion	WCAg/3532	EPA 351.2	WCAg/3559

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2103368 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2103368007	LANDMARK	Copper Sulfate Digestion	WCAG/3532	EPA 351.2	WCAG/3559
F2103368008	LANDMARK_DUP	Copper Sulfate Digestion	WCAG/3532	EPA 351.2	WCAG/3559
F2103368009	SWALLOW	Copper Sulfate Digestion	WCAG/3533	EPA 351.2	WCAG/3561
F2103368010	W_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/3533	EPA 351.2	WCAG/3561
F2103368011	E_WINTERBERRY_BRIDGE	Copper Sulfate Digestion	WCAG/3533	EPA 351.2	WCAG/3561
F2103368012	MCILVAINE	Copper Sulfate Digestion	WCAG/3533	EPA 351.2	WCAG/3561
F2103368014	HOLLYHOCK	Copper Sulfate Digestion	WCAG/3533	EPA 351.2	WCAG/3561
F2103368015	WINDMILL	Copper Sulfate Digestion	WCAG/3533	EPA 351.2	WCAG/3561
F2103368016	EQUIPMENT_BLANK	Copper Sulfate Digestion	WCAG/3533	EPA 351.2	WCAG/3561
F2103368001	BARFIELD_BRIDGE	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368002	OLDE_MARCO	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368003	JH_PARK	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368004	KENDALL	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368005	COLLIER_BRIDGE	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368006	HC_CENTER	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368007	LANDMARK	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368008	LANDMARK_DUP	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368009	SWALLOW	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368010	W_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368011	E_WINTERBERRY_BRIDGE	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368012	MCILVAINE	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368013	HUMMINGBIRD	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368014	HOLLYHOCK	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368015	WINDMILL	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368016	EQUIPMENT_BLANK	EPA 365.3	WCAG/3551	EPA 365.3	WCAG/3552
F2103368001	BARFIELD_BRIDGE			SM 10200 H	WCAG/3565
F2103368002	OLDE_MARCO			SM 10200 H	WCAG/3565
F2103368003	JH_PARK			SM 10200 H	WCAG/3565
F2103368004	KENDALL			SM 10200 H	WCAG/3565

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2103368 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2103368005	COLLIER_BRIDGE			SM 10200 H	WCAg/3565
F2103368006	HC_CENTER			SM 10200 H	WCAg/3565
F2103368007	LANDMARK			SM 10200 H	WCAg/3565
F2103368008	LANDMARK_DUP			SM 10200 H	WCAg/3565
F2103368009	SWALLOW			SM 10200 H	WCAg/3565
F2103368010	W_WINTERBERRY_BRIDGE			SM 10200 H	WCAg/3565
F2103368011	E_WINTERBERRY_BRIDGE			SM 10200 H	WCAg/3565
F2103368012	MCILVAINE			SM 10200 H	WCAg/3565
F2103368013	HUMMINGBIRD			SM 10200 H	WCAg/3565
F2103368014	HOLLYHOCK			SM 10200 H	WCAg/3565
F2103368015	WINDMILL			SM 10200 H	WCAg/3565
F2103368016	EQUIPMENT_BLANK			SM 10200 H	WCAg/3565
F2103368013	HUMMINGBIRD	Copper Sulfate Digestion	WCAg/3575	EPA 351.2	WCAg/3583
F2103368001	BARFIELD_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2103368001	BARFIELD_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2103368001	BARFIELD_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368002	OLDE_MARCO	Calculation	CLCt/	Calculation	CLCt/
F2103368002	OLDE_MARCO	DISRES	FLDx/	DISRES	FLDx/
F2103368002	OLDE_MARCO	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368003	JH_PARK	Calculation	CLCt/	Calculation	CLCt/
F2103368003	JH_PARK	DISRES	FLDx/	DISRES	FLDx/
F2103368003	JH_PARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368004	KENDALL	Calculation	CLCt/	Calculation	CLCt/
F2103368004	KENDALL	DISRES	FLDx/	DISRES	FLDx/
F2103368004	KENDALL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368005	COLLIER_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2103368005	COLLIER_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2103368005	COLLIER_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368006	HC_CENTER	Calculation	CLCt/	Calculation	CLCt/
F2103368006	HC_CENTER	DISRES	FLDx/	DISRES	FLDx/
F2103368006	HC_CENTER	Field Measurements	FLDf/	Field Measurements	FLDf/

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: F2103368 MARCO

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
F2103368007	LANDMARK	Calculation	CLCt/	Calculation	CLCt/
F2103368007	LANDMARK	DISRES	FLDx/	DISRES	FLDx/
F2103368007	LANDMARK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368008	LANDMARK_DUP	Calculation	CLCt/	Calculation	CLCt/
F2103368008	LANDMARK_DUP	DISRES	FLDx/	DISRES	FLDx/
F2103368008	LANDMARK_DUP	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368009	SWALLOW	Calculation	CLCt/	Calculation	CLCt/
F2103368009	SWALLOW	DISRES	FLDx/	DISRES	FLDx/
F2103368009	SWALLOW	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368010	W_WINTERBERRY_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2103368010	W_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2103368010	W_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368011	E_WINTERBERRY_BRIDGE	Calculation	CLCt/	Calculation	CLCt/
F2103368011	E_WINTERBERRY_BRIDGE	DISRES	FLDx/	DISRES	FLDx/
F2103368011	E_WINTERBERRY_BRIDGE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368012	MCILVAINE	Calculation	CLCt/	Calculation	CLCt/
F2103368012	MCILVAINE	DISRES	FLDx/	DISRES	FLDx/
F2103368012	MCILVAINE	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368013	HUMMINGBIRD	Calculation	CLCt/	Calculation	CLCt/
F2103368013	HUMMINGBIRD	DISRES	FLDx/	DISRES	FLDx/
F2103368013	HUMMINGBIRD	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368014	HOLLYHOCK	Calculation	CLCt/	Calculation	CLCt/
F2103368014	HOLLYHOCK	DISRES	FLDx/	DISRES	FLDx/
F2103368014	HOLLYHOCK	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368015	WINDMILL	Calculation	CLCt/	Calculation	CLCt/
F2103368015	WINDMILL	DISRES	FLDx/	DISRES	FLDx/
F2103368015	WINDMILL	Field Measurements	FLDf/	Field Measurements	FLDf/
F2103368016	EQUIPMENT_BLANK	Calculation	CLCt/	Calculation	CLCt/

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Advanced Environmental Laboratories, Inc.

Altamonte Springs: 360 Northlake Blvd., Ste. 1048, FL 32701 • 407-537-1584 • Lab ID: ES3006
 Fort Myers: 13100 Westlake Terrace, Ste. 10, FL 33913 • 239-674-8130 • Lab ID: ES4492
 Jacksonville: 6661 Southpoint Pkwy., FL 32216 • 904-363-9350 • Lab ID: ES2574
 Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 904-219-8274 • Lab ID: ES11095



1 of 2
 352.377.2349 • Lab ID: ES0001
 954.889.2288 • Lab ID: ES2535
 13.630.9616 • Lab ID: ES4599

Client Name: City of Marco Island		Project Name: MARCO	
Address: 50 Bald Eagle Dr., Marco Island, FL 314145		Project Number:	
Phone: 239-300-1462		FDEP Facility No:	
FAX:		FDEP Facility Addr:	
Contact: Jason Tomasesetti		Special Instructions:	
Sampled By: P. Manard		ADAPT	
Turn Around Time: Standard X Rush		EQUIS	
AEL Profile #: 65884		Other	
SAMPLE ID		WIN	
SAMPLE DESCRIPTION		Grab Comp	NO. COUNT
BARFIELD_BRIDGE	Grab	8/16/21 0730	SW 4
OLDE_MARCO	Grab	0715	SW 4
JH_PARK	Grab	0732	SW 4
KENDALL	Grab	0745	SW 4
COLLIER_BRIDGE	Grab	0755	SW 4
HC_CENTER	Grab	0825	SW 4
LANDMARK	Grab	0808	SW 4
LANDMARK_DUP	Grab	0809	SW 4
SWALLOW	Grab	0840	SW 4
W_WINTERBERRY_BRIDGE	Grab	0855	SW 4
Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge		ANALYSIS REQUIRED	
Received on Ice <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Temp taken from sample <input type="checkbox"/> Temp from blank <input checked="" type="checkbox"/> Where required, pH checked		BOTTLE SIZE & TYPE	
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)		NO2/NO3 250 mL Plastic	
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____		TKN/TP/TN 250 mL Plastic	
1 _____ 8/16/21 1200 _____ 8/16/21 1200 _____		Chlor-A/Turbidity 1L Amb Plastic	
2 _____ _____ _____ _____		Enterococci 100 mL Cup	
3 _____ _____ _____ _____			
4 _____ _____ _____ _____			
		LABORATORY I.D. NUMBER	

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



Advanced Environmental Laboratories, Inc.

Altamonte Springs: 380 Northlake Blvd., Ste. 1008, FL 32701 • 407.937.1594 • Lab ID: ES3076
 Fort Myers: 13100 Westlins Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: ES4492
 Jacksonville: 6681 Southpoint Pkwy., FL 32216 • 904.553.9350 • Lab ID: ES2574
 Tallahassee: 2639 North Monroe St., Suite D, FL 32303 • 905.219.6274 • Lab ID: ES11095

F2103368 Page 2 of 2
 Gainesville: 4665 SW 41st Blvd., FL 32608 • 352.377.2349 • Lab ID: ES2001
 Miramar: 10200 USA Today Way, FL 33025 • 954.889.2288 • Lab ID: ES2535
 Tampa: 9610 Princess Palm Ave., FL 33619 • 813.630.9616 • Lab ID: ES4589

Client Name: **City of Marco Island** Project Name: **MARCO**
 Address: **50 Bald Eagle Dr.** Project Number:
Marco Island, FL 3141445 PO Number:
 Phone: **239-300-1462** FDEP Facility No.:
 FAX: FDEP Facility Addr.:
 Contact: **Jason Tomasesetti** Special Instructions:
 Sampled By: **P. Manard**
 Turn Around Time: **Standard X Rush**

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	EQUIS		Other	NO. COUNT	WIN
			ADAPT	DATE			
	E_WINTERBERRY_BRIDGE	Grab		8/16/11	0903	SW	4
	MCILVAINE	Grab			0925	SW	4
	HUMMINGBIRD	Grab			1008	SW	4
	HOLLYHOCK	Grab			0952	SW	4
	WINDMILL	Grab			1023	SW	4
	EQUIPMENT_BLANK	Grab			1029	SW	4

ANALYSIS REQUIRED	BOTTLE SIZE & TYPE	Preservation Code:			
		Ice	H2SO4	Ice	NAT10
NO2/NO3	250 mL Plastic	X	X	X	X
TKN/TP/TN	250 mL Plastic	X	X	X	X
Chlor-A/Turbidity	1L Amb Plastic	X	X	X	X
Enterococci	100 mL Cup	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-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: _____ Date: 8/15/11 Time: 12:05 Received by: _____ Date: 8/16/11 Time: 12:00

Temp. when received (observed) 15.7 °C Temp. when received (corrected) 15.2 °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	7:05	7:06	7:18	7:19	7:34	7:35	7:49	7:50
SAMPLE DEPTH	0.30m top	2.25	0.30m top	2.75	0.30m top	4.00	0.30m top	4.00
TOTAL DEPTH	3.0	3.0	3.0	3.0	5.0	5.0	4.5	4.5
TEMP /C	28.1	28.2	28.7	28.7	28.4	29.0	28.8	29.2
D.O. mg / L	5.43	4.78	4.97	4.4	5.42	3.38	4.35	2.21
D.O. % sat.	82.9	72.6	78	69.2	82.3	52.4	66.5	34.1
CONDUCTIVITY(umhos)	48643	49203	53110	53160	46525	49077	46260	46881
SALINITY ppt.	31.66	32.07	34.93	34.96	30.11	31.95	29.91	30.94
pH su.	7.87	7.89	7.98	8	7.96	7.9	7.85	7.75
SECCHI DEPTH	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.5

FIELD COMMENTS:	Mostly Cloudy High Flow Outgoing Tide	Mostly Cloudy High Flow Outgoing Tide	Mostly Cloudy High Flow Outgoing Tide	Mostly Cloudy High Flow Outgoing Tide
WEATHER :	76 DEG F	76 DEG F	76 DEG F	76 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

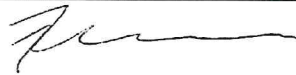
Authentication			
SAMPLED BY: (PRINT) /	FJF / APM / AEL	Sampler's Signature 	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			8/16/21

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	MCILVANE	MCILVANE
SAMPLE TIME	8:41	8:42	8:54	8:55	9:07	9:08	9:26	9:27
SAMPLE DEPTH	0.30m top	3.00	0.30m top	4.00	0.30m top	5.00	0.30m top	3.00
TOTAL DEPTH	3.50	3.50	4.50	4.50	5.5	5.5	3.25	3.25
TEMP /C	30.3	31	28.9	28.9	29.3	26.1	28.1	29.0
D.O. mg / L	3.5	.92	5	4.7	5.09	4.58	5.9	3.27
D.O. % sat.	55.5	14.9	77.9	73.2	79.8	71.9	90.9	51.5
CONDUCTIVITY(umhos)	49402	52483	50354	50484	50530	51678	50847	52487
SALINITY ppt.	32.15	34.38	32.69	32.98	33	33.86	33.27	34.46
pH su.	7.83	7.84	7.99	7.98	8.11	8.1	8.08	7.93
SECCHI DEPTH	2.0	2.0	2.5	2.5	4.5	4.5	3.5	3.5

FIELD COMMENTS:	Cloudy High Flow Outgoing Tide	Cloudy High Flow Outgoing Tide	Cloudy High Flow Outgoing Tide	Cloudy High Flow Outgoing Tide
WEATHER :	77 DEG F	77 DEG F	78 DEG F	79 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X


Authentication			
SAMPLED BY: (PRINT) /	FJF / APM / AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			8/16/21

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	HC CENTER	HC CENTER	LANDMARK	LANDMARK	LANDMARK DUP	LANDMARK DUP
SAMPLE TIME	8:01	8:02	8:28	8:29	8:11	8:12	8:13	8:14
SAMPLE DEPTH	0.30m top	3.75	0.30m top	3.25	0.30m top	5.00	0.30m top	5.00
TOTAL DEPTH	5.0	5.0	3.5	3.5	5.5	5.5	5.5	5.5
TEMP /C	28.9	29.3	28.9	29.7	28.6	30.3	28.9	30.4
D.O. mg / L	4.88	2.78	4.39	2.43	4.86	3.63	4.82	2.75
D.O. % sat.	74.8	43.3	67.5	38	74	58	74.3	44
CONDUCTIVITY(umhos)	46477	48742	47032	48076	46461	51208	48281	51245
SALINITY ppt.	30.06	31.69	30.46	31.2	30.06	33.47	31.37	33.49
pH su.	7.87	7.84	7.92	7.86	8	7.89	8.01	7.88
SECCHI DEPTH	4.0	4.0	3.5	3.5	3.5	3.5	3.5	3.5

FIELD COMMENTS:	Cloudy High Flow Outgoing Tide	Cloudy High Flow Outgoing Tide	Cloudy High Flow Outgoing Tide	Cloudy High Flow Outgoing Tide
WEATHER :	76 DEG F	77 DEG F	76 DEG F	78 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X


Authentication			
SAMPLED BY: (PRINT) /	FJF / APM / AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			8/16/21

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	10:10	10:11	9:55	9:56	10:28	10:29	10:35	
SAMPLE DEPTH	0.30m top	1.75	0.30m top	2.25	0.30m top	3.75	NA	
TOTAL DEPTH	3.0	3.0	3.0	3.0	4.00	4.00	NA	
TEMP /C	27.9	28.7	28.8	29.3	28.6	28.5	NA	
D.O. mg / L	4.75	3.32	4.51	2.71	4.64	4.14	NA	
D.O. % sat.	71.2	50.8	68.9	41.9	70.8	63.3	NA	
CONDUCTIVITY(umhos)	44682	46980	45975	47406	46355	47541	NA	
SALINITY ppt.	28.78	30.42	29.7	30.72	29.98	30.84	NA	
pH su.	7.83	7.8	7.97	7.82	7.92	7.87	NA	
SECCHI DEPTH	2.5	2.5	2.5	2.5	3.5	3.5	NA	

FIELD COMMENTS:	Hazy/Sun High Flow Outgoing Tide	Hazy/Sun High Flow Outgoing Tide	Hazy/Sun High Flow Outgoing Tide	Hazy/Sun High Flow Outgoing Tide
WEATHER :	81 DEG F	82 DEG F	83 DEG F	84 DEG F
FIELD EQUIP. USED: ID # :	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X	VAN DORN / F3X

Authentication			
SAMPLED BY: (PRINT) /	FJF / APM / AEL	Sampler's Signature	Date
AFFILIATION: / ADVANCED ENVIRONMENTAL LABORATORIES			8/16/21