Collier County™
POLLUTION CONTROL
LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Wednesday, August 7, 2019
Sampler: Josh Gravlin
Meter/Notes: Danny Berger

NEFAP ACCREDITED
TNI
FIELD SAMPLING & MEASUREMENT ORGANIZATION

Certificate No
4262.01

Client: City of Marco Island
Project: Marco Island
Run: I

CCV: Morning		Sonde / Handheld	ProDSS #7	Serial #:	15K101015	
Date/Time:	8/7/19 6:34 AM		Operator:	Josh Gravlin	Project:	MARCO

*** Conductivity ***			Associated Calibration File:
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail	Calibration_7_080219.xlsm
2000	11431	1994	Pass	

*** pH ***			
pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail
4.00			
7.00			
10.00	12319	9.96	Pass

All CCV Results Pass?
Yes

*** Dissolved Oxygen ***						
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	8.46	99.8	23.6	Pass	8.485	760.3

Notes:

CCV: Afternoon		Date/Time:	8/7/2019 12:17	Operator:	Danny Berger

*** Conductivity ***			
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail
10000	10547	10132	Pass
70000	12488	70230	Pass

*** pH ***			
pH (QA Criteria +.2)	CDI#	Reading	Pass/Fail
4.00			
7.00	12190	7.02	Pass
10.00	12319	9.99	Pass

All CCV Results Pass?
Yes

*** Dissolved Oxygen ***						
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	8.13	99.5	25.6	Pass	8.184	761.2

Notes:

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

MARCO_I_080719.xlsm

Program: MARCO | **Run:** I | **Sample Collector:** Josh Gravlin | **Meter / Notes:** Danny Berger | **Date:** 8/7/2019

LAB ID	TIME	STATION	Temp (°C)	Sp Cond (µS/cm)	Sal (ppt)	ODO (% LocalB)	ODO (mg/L)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56200	8:40	WINDMILL										

Collection Device	VanDorn; CDI: 05512	Cleaning Protocol:		Flow:	Staff Gauge:	pH < 2: YES
Comments:	**CDI taken from carboy CDI 10964.**					Sample Type: **EB**

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56187	8:56	WINDMILL	30.4	46308	29.90	74.1	4.74	7.78	0.30		3.30	1.80
AF56187B	8:57	WINDMILL	30.3	46763	30.23	72.3	4.62	7.79	3.00		3.30	1.80

Collection Device	Pole Sampler; CDI: 11852	Cleaning Protocol: J	Flow: Flow.	Staff Gauge:	pH < 2: YES	
Comments:	**Small bits of foamy algae floating along surface. Small amount of leaf debris also present. Visible outgoing tide.**				Sample Type:	**SAMP**

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56188	9:19	HOLLYHOCK	30.5	46080	29.73	77.8	4.97	7.71	0.30		1.70	1.70
AF56188B	9:20	HOLLYHOCK	30.6	46509	30.03	67.6	4.31	7.70	1.40		1.70	1.70

Collection Device	Pole Sampler; CDI: 11852	Cleaning Protocol: J	Flow: No flow.	Staff Gauge:	pH < 2: YES	
Comments:	**Small amount of floating foamy algae clumps along surface. Slight white film on surface. Tide did not appear to be moving. Tide charts showed outgoing tide.**				Sample Type:	**SAMP**

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56201	9:24	HOLLYHOCK	30.6	46323	29.90	75.8	4.83	7.70	0.30		1.70	1.70
AF56201B	9:25	HOLLYHOCK	30.6	46550	30.06	67.0	4.26	7.71	1.40		1.70	1.70

Collection Device	Pole Sampler; CDI: 11852	Cleaning Protocol: J	Flow: Flow.	Staff Gauge:	pH < 2: YES	
Comments:	**Small amount of floating foamy algae clumps along surface. Slight white film on surface. Tide appeared to be outgoing only for the DUP.**				Sample Type:	**REP**

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No	
Sites Access By:	Truck	Weather:	Mostly sunny and upper 80s.		
Sampling SOP:	FSQM 03-03	24 HRS Prior Weather:	Similar with some evening rain.		

Prepared By: **Danny Berger** Signed: 8/7/2019 3:17:29 PM

Reviewed By: *Joshua Gravlin* Signed: 8/23/2019 2:06:51 PM

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | **Run:** I | **Sample Collector:** Josh Gravlin | **Meter / Notes:** Danny Berger | **Date:** 8/7/2019

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56189	9:46	HUMMINGBIRD	30.5	44512	28.60	86.2	5.55	7.73	0.30		1.70	1.70
AF56189B	9:47	HUMMINGBIRD	30.7	46384	29.94	64.5	4.10	7.73	1.40		1.70	1.70
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol:	J	Flow:	Flow.		Staff Gauge:			pH < 2:	YES
Comments:	**Small bits of foamy algae floating on surface. Visible outgoing tide. Some comb jellyfish present.**										Sample Type:	**SAMP**

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56190	10:26	MCILVAINE	30.7	50359	32.84	100.2	6.28	7.95	0.30		1.60	1.60
AF56190B	10:27	MCILVAINE	30.6	50434	32.89	99.3	6.22	7.97	1.30		1.60	1.60
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol:	J	Flow:	Flow.		Staff Gauge:			pH < 2:	YES
Comments:	**Suspended solids present in samples. Visible outgoing tide. Very small amount of leaf debris present.**										Sample Type:	**SAMP**

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56191	10:50	E_WINTERBERRY_BRIDGE	31.2	49283	32.03	98.4	6.13	7.91	0.30		1.70	1.70
AF56191B	10:51	E_WINTERBERRY_BRIDGE	30.9	50037	32.59	84.6	5.29	7.90	1.40		1.70	1.70
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol:	J	Flow:	Flow.		Staff Gauge:			pH < 2:	YES
Comments:	**Visible outgoing tide. Some leaf debris and a small amount of foamy algae clumps present. Person was fishing near sampling site. Bats heard underneath bridge.**										Sample Type:	**SAMP**

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56192	11:12	W_WINTERBERRY_BRIDGE	30.9	47139	30.48	108.0	6.83	8.00	0.30		2.50	1.60
AF56192B	11:13	W_WINTERBERRY_BRIDGE	30.8	49784	32.41	78.7	4.93	7.90	2.20		2.50	1.60
Collection Device	VanDorn; CDI: 05512		Cleaning Protocol:		Flow:	Flow.		Staff Gauge:			pH < 2:	YES
Comments:	**Visible outgoing tide. Some leaf debris and a small amount of foamy algae clumps present. Lots of small fish and a few large ones near sampling site.**										Sample Type:	**SAMP**

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No	
Sites Access By:	Truck	Weather:	Mostly sunny and upper 80s.	Prepared By:	Danny Berger
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar with some evening rain.	Reviewed By:	Joshua Gravlin

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | Run: I | Sample Collector: Josh Gravlin | Meter / Notes: Danny Berger | Date: 8/7/2019

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: | Sample Type:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: | Sample Type:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: | Sample Type:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: | Sample Type:

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Mostly sunny and upper 80s.	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar with some evening rain.	

Prepared By: Danny Berger

Reviewed By: Joshua Gravlin

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | **Run:** I | **Sample Collector:** Josh Gravlin | **Meter / Notes:** Danny Berger | **Date:** 8/7/2019

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: | Sample Type:

Comments:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: | Sample Type:

Comments:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Field Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: | Sample Type:

Comments:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: | Sample Type:

Comments:

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No	
Sites Access By:	Truck	Weather:	Mostly sunny and upper 80s.	Prepared By:	Danny Berger
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar with some evening rain.	Reviewed By:	Joshua Gravlin

Collier County
POLLUTION CONTROL
LIVE GREEN. SAVE BLUE.

Collier County Pollution Control Department Chain of Custody

3339 Tamiami Trail East, Bldg. Ste. 304 Naples, Florida 34112
Phone: (239) 252-2502 FAX: (239) 252-6479

NELAC Certification: **#E45464**

Client Information

Name: Rhonda Watkins
Company Name: Collier County Natural Resources
Address: 2685 South Horseshoe Drive Ste 103, Fl 34104
Phone: (239) 252-2502 Ext. 6049
Fax: (239) 252-6479

Project	MARCO
Sample Collector(s):	
Josh Gravlin	
Sample Collector Signature:	
Relinquished By: (Signature)	
Received By: (Signature)	
Relinquished By: (Signature)	
Received By: (Signature)	

MATRIX CODES	
GW	Ground Water
SW	Surface Water
WW	Waste Water
DW	Drinking Water
Other	

Date/Time	8/7/19 12:34 PM
Date/Time	8/7/19 12:34 PM
Date/Time	
Date/Time	

PRESERVATION CODES	Lot#	Prs. Vol.	Prs. Lot#	Prs. Supp.	Prs. Date	Initials
2C 1L Opaque HDPE/Light-shielded/Ice	AF55325					
3S 125ml HDPE/H2SO4/Ice	CDI 10508	8 drops	RP 13118	Fisher	8/7/2019	DB, JG
4F 60ml Opaque HDPE/Filtered/Ice	AF55337					
5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI 12138					
6N 250ml HDPE/HNO3/H2SO4	CDI 10479	16 drops	RP 13118	Fisher	8/7/2019	DB, JG
14 Whatman Polydisc GW 0.45µm	A15785267					

Parameters	Sample Check-In	
Chlorophyll-FC, Pheophytin-FC, Prep-Chloro	Sample(s) Intact?	
Nitrate-Nitrite-PC, Nitrogen-TKN-PC, Prep-TKN	Rec'd in wet ice?	
Nitrite-PC	Temp °C:	
Enterolert-PC	Proper Samp ID?	
Phosphorus-ICP-PC, Prep Metals	Rec'd within hold time?	
TN-PC, CC-Nitrate-N-PC	Acid preserved samples pH<2?	
Bottle Codes	Logged In?	
2C 3S 4F 5J 6N Calc	Scanned?	

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	# of sample Containers Submited												Lab ID #
8/7/2019	8:40	#N/A	#N/A	#N/A	WINDMILL	SW	1	1	1	1	1								AF56200
8/7/2019	8:56	7.78	46308	0.30	WINDMILL	SW	1	1	1	1	1								AF56187
8/7/2019	9:19	7.71	46080	0.30	HOLLYHOCK	SW	1	1	1	1	1								AF56188
8/7/2019	9:24	7.70	46323	0.30	REPLICATE	SW	1	1	1	1	1								AF56201
8/7/2019	9:46	7.73	44512	0.30	HUMMINGBIRD	SW	1	1	1	1	1								AF56189
8/7/2019	10:26	7.95	50359	0.30	MCILVAINE	SW	1	1	1	1	1								AF56190
8/7/2019	10:50	7.91	49283	0.30	E_WINTERBERRY_BRIDGE	SW	1	1	1	1	1								AF56191
8/7/2019	11:12	8.00	47139	0.30	W_WINTERBERRY_BRIDGE	SW	1	1	1	1	1								AF56192

Notes:

Sheet & Cell Reference	Initial Value	Changed To	User	Date & Time	Reason For Change	Analyst E-verified Signature
Field Sheet-B8	CDI taken from carboy CDI 10964	CDI taken from carboy CDI 10964.	Sampler	8/7/2019 8:46	Added a period at end.	Danny Berger
Chain of Custody-W8	DB	DB, JG	Sampler	8/7/2019 9:03	JG also acidified.	Danny Berger
Chain of Custody-W11	DB	DB, JG	Sampler	8/7/2019 9:03	JG also acidified.	Danny Berger
Field Sheet-B40	Small bits of foamy algae floating on surface. Visible outgoing tide.	Small bits of foamy algae floating on surface. Visible outgoing tide. Some comb jellyfish present.	Sampler	8/7/2019 11:38	Added jellyfish note.	Danny Berger

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREATED: 8/7/2019 15:39

DATE	TIME	SITE	Barometer (mmHg)	Temp (°C)	Cond (uS/cm)	Sp Cond (uS/cm)	nLFCond (uS/cm)	Sal (ppt)	Sigma-T (s t)	Sigma (s)	pH	pH (mV)	ODO (% Sat)	ODO (mg/L)	ODO (% Local)
8/7/2019	8:56:20 AM	af56187	761.9	30.4	51045.6	46307.9	45779.8	29.9	17.8	17.8	7.78	-79.6	74.3	4.74	74.1
8/7/2019	8:57:35 AM	af56187	761.9	30.3	51515.6	46763	46233.4	30.23	18	18	7.79	-79.8	72.5	4.62	72.3
8/7/2019	9:19:20 AM	af56188	762.3	30.5	50941.7	46080	45537	29.73	17.6	17.6	7.71	-75.3	78.1	4.97	77.8
8/7/2019	9:20:37 AM	af56188	762.4	30.6	51478.5	46508.5	45952.9	30.03	17.8	17.8	7.7	-74.7	67.9	4.31	67.6
8/7/2019	9:24:38 AM	af56201	762.3	30.6	51275.4	46323	45769.4	29.9	17.7	17.7	7.7	-74.5	76	4.83	75.8
8/7/2019	9:25:59 AM	af56201	762.3	30.6	51530.4	46550.4	45993.7	30.06	17.8	17.8	7.71	-75.2	67.2	4.26	67
8/7/2019	9:46:41 AM	af56189	762.4	30.5	49148.4	44512.3	43994.9	28.6	16.8	16.8	7.73	-76.3	86.5	5.55	86.2
8/7/2019	9:47:53 AM	af56189	762.3	30.7	51422.8	46384.3	45820.4	29.94	17.7	17.7	7.73	-76.6	64.7	4.1	64.5
8/7/2019	10:26:08 AM	af56190	762.4	30.7	55829.7	50358.6	49746.3	32.84	19.9	19.9	7.95	-89	100.6	6.28	100.2
8/7/2019	10:27:35 AM	af56190	762.4	30.6	55874.9	50434.2	49825.6	32.89	19.9	19.9	7.97	-90.4	99.6	6.22	99.3
8/7/2019	10:50:24 AM	af56191	762.4	31.2	55150.7	49282.5	48621.6	32.03	19.1	19.1	7.91	-87	98.7	6.13	98.4
8/7/2019	10:51:41 AM	af56191	762.4	30.9	55640	50036.5	49408.1	32.59	19.6	19.6	7.9	-86.5	84.9	5.29	84.6
8/7/2019	11:12:02 AM	af56192	762.2	30.9	52417.4	47138.9	46546.9	30.48	18	18	8	-92.3	108.3	6.83	108
8/7/2019	11:13:24 AM	af56192	762.2	30.8	55273.9	49783.8	49168.7	32.41	19.5	19.5	7.9	-86.5	78.9	4.93	78.7

Activity ID	Project ID	Activity Start Date Time	Monitoring Location ID	Activity Type	Sample Collection Equipment	Sample Collection Equipment Name	MDL	Activity Depth	Activity Depth Unit	Characteristic Name	Characteristic Fraction	Result Value	Result Unit	Result Value Type	Result Status ID	Result Comment	Method Qualifier	Method Name	Analysis Start	Result Analytical Method	Laboratory Name	Detection Quantitation Limit Type	Detection Quantitation Limit Measure	Detection Quantitation Limit Unit	Result Comment
AF-WQ-0179	MARCO	9/13/2013 8:55	WMEDALL	Field	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen		7.5	mg/L		SS										
AF-WQ-0179F	MARCO	9/13/2013 8:57	WMEDALL	Field	Field Testing-Electronic	Meter Field Events	0.01	3.66	Decimeter	Oxygen		8.62	mg/L		SS										
AF-WQ-0180	MARCO	9/13/2013 9:10	WDOLLYHOCH	Field	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen		4.57	mg/L		SS										
AF-WQ-0180F	MARCO	9/13/2013 9:25	WDOLLYHOCH	Field	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen		4.31	mg/L		SS										
AF-WQ-0181	MARCO	9/13/2013 9:34	WDOLLYHOCH	Field	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen		4.93	mg/L		SS										
AF-WQ-0181F	MARCO	9/13/2013 9:23	WDOLLYHOCH	Field	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen		4.26	mg/L		SS										
AF-WQ-0182	MARCO	9/13/2013 9:48	WHUMMINGBIRD	Field	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen		5.53	mg/L		SS										
AF-WQ-0182F	MARCO	9/13/2013 9:47	WHUMMINGBIRD	Field	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen		4.15	mg/L		SS										
AF-WQ-1828	MARCO	4/28/2015 13:24	WDOLLYHOCH	Field	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen		6.24	mg/L		SS										
AF-WQ-1828F	MARCO	4/28/2015 13:37	WDOLLYHOCH	Field	Field Testing-Electronic	Meter Field Events	0.01	1.35	Decimeter	Oxygen		4.22	mg/L		SS										
AF-WQ-1829	MARCO	4/28/2015 14:55	WDOLLYHOCH	Field	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen		6.19	mg/L		SS										
AF-WQ-0183	MARCO	9/13/2013 11:51	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen		1.09	mg/L		SS	AF-WQ-183									
AF-WQ-1830	MARCO	4/7/2015 11:42	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen		4.85	mg/L		SS	AF-WQ-1830									
AF-WQ-1830F	MARCO	4/7/2015 11:41	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	1.30	Decimeter	Oxygen		4.69	mg/L		SS	AF-WQ-1830									
AF-WQ-1831	MARCO	4/7/2015 9:44	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen Saturation	40%-111	51.1	%		SS	AF-WQ-1831									
AF-WQ-1831F	MARCO	4/7/2015 9:41	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	3.45	Decimeter	Oxygen Saturation	40%-111	57.2	%		SS	AF-WQ-1831									
AF-WQ-1832	MARCO	4/7/2015 9:16	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen Saturation	40%-111	77.6	%		SS	AF-WQ-1832	AF-WQ-183								
AF-WQ-1832F	MARCO	4/7/2015 9:20	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen Saturation	40%-111	87.5	%		SS	AF-WQ-1832	AF-WQ-183								
AF-WQ-0184F2	MARCO	9/13/2013 9:34	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen Saturation	40%-111	76.4	%		SS	AF-WQ-1832	AF-WQ-183								
AF-WQ-0184F3	MARCO	9/13/2013 9:33	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen Saturation	40%-111	87.6	%		SS	AF-WQ-1832	AF-WQ-183								
AF-WQ-0185F	MARCO	9/13/2013 9:40	WHUMMINGBIRD	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen Saturation	40%-111	84.2	%		SS	AF-WQ-1833									
AF-WQ-0185F	MARCO	9/13/2013 9:41	WHUMMINGBIRD	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen Saturation	40%-111	84.5	%		SS	AF-WQ-1833									
AF-WQ-1833	MARCO	4/7/2015 11:25	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen Saturation	40%-111	100.2	%		SS	AF-WQ-1833									
AF-WQ-1833F	MARCO	4/7/2015 11:27	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.20	Decimeter	Oxygen Saturation	40%-111	100.1	%		SS	AF-WQ-1833									
AF-WQ-1834	MARCO	4/7/2015 11:50	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen Saturation	40%-111	98.4	%		SS	AF-WQ-1834									
AF-WQ-1834F	MARCO	4/7/2015 11:53	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.30	Decimeter	Oxygen Saturation	40%-111	98.4	%		SS	AF-WQ-1834									
AF-WQ-1835F	MARCO	4/7/2015 12:10	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen Saturation	40%-111	84.6	%		SS	AF-WQ-1835									
AF-WQ-1835	MARCO	4/7/2015 12:08	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen Saturation	40%-111	84.5	%		SS	AF-WQ-1835									
AF-WQ-1836	MARCO	4/7/2015 12:19	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Decimeter	Oxygen Saturation	40%-111	84.2	%		SS	AF-WQ-1836									
AF-WQ-1836F	MARCO	4/7/2015 12:21	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Decimeter	Oxygen Saturation	40%-111	84.4	%		SS	AF-WQ-1836									
AF-WQ-0186	MARCO	9/13/2013 9:14	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	pH			7.75	SU		SS	AF-WQ-186									
AF-WQ-0186F	MARCO	9/13/2013 9:15	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	pH			7.91	SU		SS	AF-WQ-186									
AF-WQ-0186F2	MARCO	9/13/2013 9:12	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	pH			7.71	SU		SS	AF-WQ-186									
AF-WQ-0187	MARCO	9/13/2013 9:44	WHUMMINGBIRD	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	pH			7.73	SU		SS	AF-WQ-187									
AF-WQ-0187F	MARCO	9/13/2013 9:47	WHUMMINGBIRD	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	pH			7.74	SU		SS	AF-WQ-187									
AF-WQ-1837	MARCO	4/7/2015 13:40	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	pH			7.95	SU		SS	AF-WQ-187									
AF-WQ-1837F	MARCO	4/7/2015 13:37	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	pH			7.91	SU		SS	AF-WQ-187									
AF-WQ-1838	MARCO	4/7/2015 14:11	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	pH			7.91	SU		SS	AF-WQ-187									
AF-WQ-0188	MARCO	9/13/2013 9:19	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	34.81	ppt		SS	AF-WQ-188									
AF-WQ-0188F	MARCO	9/13/2013 9:21	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	3.45	Salinity		1373	34.81	ppt		SS	AF-WQ-188									
AF-WQ-0189	MARCO	9/13/2013 9:55	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	29.73	ppt		SS	AF-WQ-189	AF-WQ-189								
AF-WQ-0189F	MARCO	9/13/2013 9:53	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.63	ppt		SS	AF-WQ-189	AF-WQ-189								
AF-WQ-0189F2	MARCO	9/13/2013 9:54	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	31.99	ppt		SS	AF-WQ-189	AF-WQ-189								
AF-WQ-0190	MARCO	9/13/2013 9:31	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.09	ppt		SS	AF-WQ-189	AF-WQ-189								
AF-WQ-0191	MARCO	9/13/2013 9:45	WHUMMINGBIRD	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	34.81	ppt		SS	AF-WQ-191									
AF-WQ-0191F	MARCO	9/13/2013 9:47	WHUMMINGBIRD	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	34.84	ppt		SS	AF-WQ-191									
AF-WQ-1840	MARCO	4/7/2015 14:29	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	32.84	ppt		SS	AF-WQ-191									
AF-WQ-1840F	MARCO	4/7/2015 14:26	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.63	ppt		SS	AF-WQ-191									
AF-WQ-1841	MARCO	4/7/2015 14:45	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	32.09	ppt		SS	AF-WQ-191									
AF-WQ-1841F	MARCO	4/7/2015 14:43	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.09	ppt		SS	AF-WQ-191									
AF-WQ-0192	MARCO	9/13/2013 9:59	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	34.81	ppt		SS	AF-WQ-192									
AF-WQ-0192F	MARCO	9/13/2013 10:01	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	3.45	Salinity		1373	34.84	ppt		SS	AF-WQ-192									
AF-WQ-1842	MARCO	4/7/2015 15:23	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	34.81	ppt		SS	AF-WQ-192									
AF-WQ-1842F	MARCO	4/7/2015 15:21	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	3.45	Salinity		1373	34.84	ppt		SS	AF-WQ-192									
AF-WQ-1843	MARCO	4/7/2015 15:41	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	32.84	ppt		SS	AF-WQ-192									
AF-WQ-1843F	MARCO	4/7/2015 15:39	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.63	ppt		SS	AF-WQ-192									
AF-WQ-1844	MARCO	4/7/2015 16:14	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	32.09	ppt		SS	AF-WQ-192									
AF-WQ-1844F	MARCO	4/7/2015 16:12	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.09	ppt		SS	AF-WQ-192									
AF-WQ-1845	MARCO	4/7/2015 16:29	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	32.09	ppt		SS	AF-WQ-192									
AF-WQ-1845F	MARCO	4/7/2015 16:31	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.09	ppt		SS	AF-WQ-192									
AF-WQ-0193	MARCO	9/13/2013 9:49	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	34.81	ppt		SS	AF-WQ-193									
AF-WQ-0193F	MARCO	9/13/2013 9:51	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	3.45	Salinity		1373	34.84	ppt		SS	AF-WQ-193									
AF-WQ-1846	MARCO	4/7/2015 17:01	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	32.84	ppt		SS	AF-WQ-193									
AF-WQ-1846F	MARCO	4/7/2015 16:58	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.84	ppt		SS	AF-WQ-193									
AF-WQ-1847	MARCO	4/7/2015 17:19	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Salinity		1373	32.84	ppt		SS	AF-WQ-193									
AF-WQ-1847F	MARCO	4/7/2015 17:17	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Salinity		1373	32.84	ppt		SS	AF-WQ-193									
AF-WQ-0194	MARCO	9/13/2013 10:15	E_I-WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Depth, Secchi Disk Depth		40%-112	1.65	m		SS	AF-WQ-194									
AF-WQ-0194F	MARCO	9/13/2013 9:59	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Depth, Secchi Disk Depth		40%-112	1.75	m		SS	AF-WQ-194	AF-WQ-193								
AF-WQ-0195	MARCO	9/13/2013 9:54	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Depth, Secchi Disk Depth		40%-112	1.75	m		SS	AF-WQ-194	AF-WQ-193								
AF-WQ-0195F	MARCO	9/13/2013 9:52	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Depth, Secchi Disk Depth		40%-112	1.65	m		SS	AF-WQ-194									
AF-WQ-1848	MARCO	4/7/2015 15:58	E_I-WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Depth, Secchi Disk Depth		40%-112	1.75	m		SS	AF-WQ-194									
AF-WQ-1849	MARCO	4/7/2015 16:17	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Depth, Secchi Disk Depth		40%-112	1.65	m		SS	AF-WQ-194									
AF-WQ-1850	MARCO	4/7/2015 8:54	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Turbidity Condenstivens		10/42	2.89	Depth, Secchi Disk Depth		SS	AF-WQ-194									
AF-WQ-1851	MARCO	4/7/2015 8:57	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Turbidity Condenstivens		10/42	3.96	Turbidity Condenstivens		SS	AF-WQ-194									
AF-WQ-1851F	MARCO	4/7/2015 8:57	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	3.45	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194									
AF-WQ-1852	MARCO	4/7/2015 9:10	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Turbidity Condenstivens		10/42	4199.5	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1852F	MARCO	4/7/2015 9:08	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Turbidity Condenstivens		10/42	4468.5	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1853	MARCO	4/7/2015 9:28	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Turbidity Condenstivens		10/42	4468.5	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1853F	MARCO	4/7/2015 9:26	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1854	MARCO	4/7/2015 9:47	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1854F	MARCO	4/7/2015 9:45	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1855	MARCO	4/7/2015 10:04	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1855F	MARCO	4/7/2015 10:01	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1856	MARCO	4/7/2015 10:21	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1856F	MARCO	4/7/2015 10:17	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-0196	MARCO	9/13/2013 10:19	E_I-WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Turbidity Condenstivens		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1857	MARCO	4/7/2015 10:51	E_I-WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Specific Conductance		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1858	MARCO	4/7/2015 10:49	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Specific Conductance		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1859	MARCO	4/7/2015 11:11	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Specific Conductance		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1860	MARCO	4/7/2015 11:14	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	2.30	Specific Conductance		10/42	4579.3	Turbidity Condenstivens		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1861	MARCO	4/7/2015 8:54	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1861F	MARCO	4/7/2015 8:57	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	3.45	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1862	MARCO	4/7/2015 9:10	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1862F	MARCO	4/7/2015 9:08	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1863	MARCO	4/7/2015 9:28	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-1863F	MARCO	4/7/2015 9:26	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194	AF-WQ-194								
AF-WQ-0197	MARCO	9/13/2013 10:23	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-0197F	MARCO	9/13/2013 10:25	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	3.45	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1864	MARCO	4/7/2015 9:47	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1864F	MARCO	4/7/2015 9:45	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1865	MARCO	4/7/2015 10:04	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1865F	MARCO	4/7/2015 10:01	WDOLLYHOCH	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1866	MARCO	4/7/2015 10:21	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1866F	MARCO	4/7/2015 10:17	WCLYMHE	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-0198	MARCO	9/13/2013 10:19	E_I-WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-0198F	MARCO	9/13/2013 10:17	E_I-WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	1.40	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1867	MARCO	4/7/2015 10:51	E_I-WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1867F	MARCO	4/7/2015 10:49	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1868	MARCO	4/7/2015 11:11	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-1868F	MARCO	4/7/2015 11:14	W_WATERBERRY_BRIDGE	Water	Field Testing-Electronic	Meter Field Events	0.01	2.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									
AF-WQ-0199	MARCO	9/13/2013 8:49	WMEDALL	Water	Field Testing-Electronic	Meter Field Events	0.01	0.30	Temperature, Water		25/30	30.4	deg C		SS	AF-WQ-194									

Collier County™
POLLUTION CONTROL
LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Wednesday, August 7, 2019
Sampler: Patricia Romaine
Meter/Notes: Geoff Rosenaw

NEFAP ACCREDITED
TNI
FIELD SAMPLING & MEASUREMENT ORGANIZATION

Certificate No
4262.01

Client: City of Marco Island
Project: Marco Island
Run: II

CCV: Morning

Sonde / Handheld	ProDSS #9	Serial #:	18E104142
Date/Time:	8/7/19 6:33 AM	Operator:	Josh Gravlin
Project:	MARCO		

***** Conductivity *****

Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail
2000	11431	1972	Pass

***** pH *****

pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail
4.00			
7.00			
10.00	12319	9.89	Pass

Associated Calibration File: Calibration_9_080219.xlsm

All CCV Results Pass? **Yes**

***** Dissolved Oxygen *****

D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	8.51	99.9	23.4	Pass	8.526	761.1

Notes:

CCV: Afternoon

Date/Time:	8/7/2019 12:46	Operator:	Geoff Rosenaw

***** Conductivity *****

Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail
10000	10547	10298	Pass
70000	12488	71522	Pass

***** pH *****

pH (QA Criteria +.2)	CDI#	Reading	Pass/Fail
4.00	11628	4.11	Pass
7.00			
10.00	12319	9.96	Pass

All CCV Results Pass? **Yes**

***** Dissolved Oxygen *****

D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	8.12	99.1	25.5	Pass	8.208	762

Notes:

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | **Run:** II | **Sample Collector:** Patricia Romaine | **Meter / Notes:** Geoff Rosenaw | **Date:** 8/7/2019

LAB ID	TIME	STATION	Temp (°C)	Sp Cond (µS/cm)	Sal (ppt)	ODO (% LocalB)	ODO (mg/L)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56194	8:47	JH_PARK	30.0	45887	29.60	113.6	7.32	7.97	0.30		3.00	1.10
AF56194B	8:50	JH_PARK	30.1	47847	31.02	96.4	6.16	7.92	2.70		3.00	1.10

Collection Device: Pole Sampler; CDI: 10882 | Cleaning Protocol: J | Flow: | Staff Gauge: | pH < 2: YES

Comments: Floating brown algal mats present at sire. Visible outgoing tide. | Sample Type: SAMP

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56193	9:38	BARFIELD_BRIDGE	30.3	47246	30.58	95.2	6.09	7.91	0.30		2.20	1.70
AF56193B	9:42	BARFIELD_BRIDGE	29.8	52099	34.15	80.4	5.08	7.96	1.90		2.20	1.70

Collection Device: Pole Sampler; CDI: 10882 | Cleaning Protocol: J | Flow: | Staff Gauge: | pH < 2: YES

Comments: Floating brown algal mats present at site. Visible outgoing tide. | Sample Type: SAMP

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56197	10:27	KENDALL	30.5	46640	30.13	105.2	6.72	7.93	0.30		1.10	0.80

Collection Device: Pole Sampler; CDI: 10882 | Cleaning Protocol: J | Flow: | Staff Gauge: | pH < 2: YES

Comments: Grass clippings and yard debris blown into water by landscapers directly upstream of site. | Sample Type: SAMP

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56918	10:40	PERRINE										

Collection Device | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: Home built on site. No access. One photo taken by GGR. | Sample Type: NO SAMPLE

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No	
Sites Access By:	Truck	Weather:	Sunny. 90s.		
Sampling SOP:	FSQM 03-03	24 HRS Prior Weather:	Similar. Heavy Rain.		

Prepared By: **Geoff Rosenaw** Signed: 8/23/2019 1:13:18 PM

Reviewed By: **Patty Romaine** Signed: 8/23/2019 3:36:17 PM

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | **Run:** II | **Sample Collector:** Patricia Romaine | **Meter / Notes:** Geoff Rosenaw | **Date:** 8/7/2019

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56195	10:58	COLLIER_BRIDGE	31.4	43844	28.09	145.1	9.23	7.99	0.30		1.20	1.20

Collection Device: Pole Sampler; CDI: 10882 | Cleaning Protocol: J | Flow: | Staff Gauge: | pH < 2: YES

Comments: Drainage discharging adjacent to site. Site moved 2 feet upstream. Unable to determine tide or flow.

Sample Type: SAMP

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56199	11:18	COLLIER_BRIDGE										

Collection Device: Sample Container | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: YES

Comments: FB taken from CDI10967.

Sample Type: FB

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF56196	11:35	HC_CENTER	31.7	43288	27.69	163.3	10.36	8.14	0.30		1.90	0.90
AF56196B	11:37	HC_CENTER	30.9	48047	31.14	128.2	8.09	7.98	1.60		1.90	0.90

Collection Device: Pole Sampler; CDI: 10882 | Cleaning Protocol: J | Flow: No flow. | Staff Gauge: | pH < 2: YES

Comments: Floating mats on surface of water. Lawn clippings on surface of water.

Sample Type: SAMP

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device: | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments:

Sample Type:

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No	
Sites Access By:	Truck	Weather:	Sunny. 90s.	Prepared By:	Geoff Rosenaw
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar. Heavy Rain.	Reviewed By:	Patty Romaine

Program: MARCO | **Run:** II | **Sample Collector:** Patricia Romaine | **Meter / Notes:** Geoff Rosenaw | **Date:** 8/7/2019

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: | Sample Type:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: | Sample Type:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: | Sample Type:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2:

Comments: | Sample Type:

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?		No
Sites Access By:	Truck	Weather:	Sunny. 90s.		
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:		Similar. Heavy Rain.	

Prepared By: Geoff Rosenaw

Reviewed By: Patty Romaine

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | **Run:** II | **Sample Collector:** Patricia Romaine | **Meter / Notes:** Geoff Rosenaw | **Date:** 8/7/2019

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: | Sample Type:

Comments:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: | Sample Type:

Comments:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device | Field Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: | Sample Type:

Comments:

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)

Collection Device | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: | Sample Type:

Comments:

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No	
Sites Access By:	Truck	Weather:	Sunny. 90s.	Prepared By:	Geoff Rosenaw
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar. Heavy Rain.	Reviewed By:	Patty Romaine

Collier County POLLUTION CONTROL
LIVE GREEN. SAVE BLUE.

Collier County Pollution Control Department Chain of Custody

3339 Tamiami Trail East, Bldg. Ste. 304 Naples, Florida 34112
Phone: (239) 252-2502 FAX: (239) 252-6479

NELAC Certification: **#E45464**

Client Information

Name: Rhonda Watkins
Company Name: Collier County Natural Resources
Address: 2685 South Horseshoe Drive Ste 103, Fl 34104
Phone: (239) 252-2502 Ext. 6049
Fax: (239) 252-6479

Project	MARCO
Sample Collector(s):	
Patricia Romaine	
Sample Collector Signature:	
Relinquished By: (Signature)	
Received By: (Signature)	
Relinquished By: (Signature)	
Received By: (Signature)	

MATRIX CODES	
GW	Ground Water
SW	Surface Water
WW	Waste Water
DW	Drinking Water
Other	

Date/Time: 8/7/19 1:30 PM
Date/Time: 8/7/19 1:30 PM
Date/Time:
Date/Time:

PRESERVATION CODES	Lot#	Prs. Vol.	Prs. Lot#	Prs. Supp.	Prs. Date	Initials
2C 1L Opaque HDPE/Light-shielded/Ice	AF55363					
3S 125ml HDPE/H2SO4/Ice	CDI10508	8 Drops	RP13213	Fisher	8/7/2019	GR
4F 60ml Opaque HDPE/Filtered/Ice	AF55227					
5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI12138,12143					
6N 250ml HDPE/HNO3/H2SO4	CDI10479	16 Drops	RP13213	Fisher	8/7/2019	GR
14 Whatman Polydisc GW 0.45µm	A15785267					

Parameters												Sample Check-In	
Chlorophyll-PC, Pheophytin-PC, Prep-Chloro	Nitrate-Nitrite-PC, Nitrogen-TKN-PC, Prep-TKN	Nitrite-PC	Enterolert-PC	Phosphorus-ICP-PC, Prep Metals	TN-PC, CC-Nitrate-N-PC							Sample(s) Intact?	
												Rec'd in wet ice?	
												Temp °C:	
												Proper Samp ID?	
												Rec'd within hold time?	
												Acid preserved samples pH<2?	
Bottle Codes												Logged In?	
2C	3S	4F	5J	6N	Calc							Scanned?	

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	# of sample Containers Submited												Lab ID #
8/7/2019	8:47	7.97	45887	0.30	JH_PARK	SW	1	1	1	1	1								AF56194
8/7/2019	9:38	7.91	47246	0.30	BARFIELD_BRIDGE	SW	1	1	1	1	1								AF56193
8/7/2019	10:27	7.93	46640	0.30	KENDALL	SW	1	1	1	1	1								AF56197
~~8/7/2019~~	~~10:40~~			~~#N/A~~	~~PERRINE~~	~~SW~~	1	1	1	1	1								~~AF56918~~
8/7/2019	10:58	7.99	43844	0.30	COLLIER_BRIDGE	SW	1	1	1	1	1								AF56195
8/7/2019	11:18	#N/A	#N/A	#N/A	COLLIER_BRIDGE	SW	1	1	1	1	1								AF56199
8/7/2019	11:35	8.14	43288	0.30	HC_CENTER	SW	1	1	1	1	1								AF56196

Notes:

AF59618 not collected. House built on site and no access is available.

Sheet & Cell Reference	Initial Value	Changed To	User	Date & Time	Reason For Change	Analyst E-verified Signature
Field Sheet-A12	AF56918	AF56193	Sampler	8/7/2019 9:54	Incorrect initial entry.	Joshua Gravlin
Field Sheet-B29	Home built on site. No access.	Home built on site. No access. One photo taken by GGR.	Sampler	8/7/2019 10:40	Incorrect initial entry.	Joshua Gravlin
Field Sheet-L37	1/1/1900 4:48	1.2	Sampler	8/7/2019 11:03	1	Joshua Gravlin
Field Sheet-L37	1/1/1900 4:48	1.2	Sampler	8/7/2019 11:03	1	Joshua Gravlin
Field Sheet-L37	1/1/1900 4:48	1.2	Sampler	8/7/2019 11:03	1	Joshua Gravlin
Field Sheet-L37	1/1/1900 4:48	1.2	Sampler	8/7/2019 11:03	1	Joshua Gravlin
Field Sheet-L44	1.2		Sampler	8/7/2019 11:18	Incorrect initial entry.	Joshua Gravlin
Field Sheet-M47	SAMP	FCEB	Sampler	8/7/2019 11:18	Incorrect initial entry.	Joshua Gravlin
Field Sheet-M47	FCEB	FB	Sampler	8/7/2019 11:18	Incorrect initial entry.	Joshua Gravlin
Field Sheet-H1	Patricia Romaine	Simi	Sampler	8/7/2019 11:43	Incorrect initial entry.	Joshua Gravlin
Field Sheet-H1	Simi	Patricia Romaine	Sampler	8/7/2019 11:43	Incorrect initial entry.	Joshua Gravlin
Calibration-F34	Yes		Sampler	8/7/2019 12:46	not completed at time of entry	Joshua Gravlin
Chain of Custody-L11	16Drops	16 Drops	Sampler	8/7/2019 12:53	Incorrect initial entry.	Joshua Gravlin
Calibration-D29	714	71522	Sampler	8/7/2019 13:04	Incorrect initial entry.	Joshua Gravlin
Field Sheet-F32	R	Similar. Heavy Rain.	PCL	8/7/2019 13:15	Incorrect initial entry.	Geoff Rosenaw
Chain of Custody-E19	8/7/201912:59 PM		PCL	8/7/2019 13:31	Incorrect initial entry.	Geoff Rosenaw
Field Sheet-B40	Drainage dischargine adjacent to site. Site moved 2 feet upstream. Unable to determine tide or flow.	Drainage discharging adjacent to site. Site moved 2 feet upstream. Unable to determine tide or flow.	ChristopherLienhardt	8/23/2019 11:33	spelling	Christopher Lienhardt

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREATED: 8/7/2019 17:09

DATE	TIME	SITE	Barometer (mmHg)	Temp (°C)	Sp Cond (µS/cm)	TDS (mg/L)	Sal (ppt)	pH	pH (mV)	TSS (mg/L)	Turbidty (NTU)	ODO (% Sat)	ODO (mg/L)	ODO (% LocalB)
8/7/2019	8:47:13 AM	af56194	763.2	30	45887.1	29827	29.6	7.97	-87.6	0	2	114.1	7.32	113.6
8/7/2019	8:50:19 AM	af56194	763.1	30.1	47846.8	31100	31.02	7.92	-84.8	0	2.75	96.8	6.16	96.4
8/7/2019	9:38:35 AM	af56918	763.3	30.3	47245.9	30710	30.58	7.91	-84.1	0	1.88	95.7	6.09	95.2
8/7/2019	9:42:18 AM	af56918	763.2	29.8	52098.7	33864	34.15	7.96	-87.2	0	2.78	80.8	5.08	80.4
8/7/2019	10:27:53 AM	af56197	763.3	30.5	46639.5	30316	30.13	7.93	-85.4	0	2.69	105.7	6.72	105.2
8/7/2019	10:55:52 AM	af56197	763.2	31	42828.8	27839	27.38	7.85	-80.7	0	1.57	118.2	7.57	117.7
8/7/2019	10:58:22 AM	af56195	763.4	31.4	43844.4	28499	28.09	7.99	-89.4	0	1.69	145.7	9.23	145.1
8/7/2019	11:35:01 AM	af56196	763.2	31.7	43288.4	28137	27.69	8.14	-98.5	0	2.01	164	10.36	163.3
8/7/2019	11:37:20 AM	af56196	763.3	30.9	48046.8	31230	31.14	7.98	-88.5	0	2.36	128.7	8.09	128.2

Activity ID	Record ID	Activity Start Date Time	Monitoring Location ID	Activity Type	Sampling Collection Type	Sample Collection Equipment Name	Depth	Activity Depth	Top Depth Unit	Dep Analysis Meth	AU/AT Analyst ID	Analysis Method	Dep Result Value	Dep Result Unit	Dep Detect Result ID	Equipment Blank Result ID	Matrix Activity ID	Lab Blank Result ID	Dep Qualifier	Dep Comments	Activity Comments	Sampler Name	Sample Collection Method	Sample Collection Equipment
AF-20-1007	MARCO	5/7/2019 9:47	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	0.15	0.15	Dissolved Oxygen	WMC	FQM-77-1536	7.52	mg/L	FQ_AF-20-189						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1008F	MARCO	5/7/2019 9:34	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	2.75	2.45	Dissolved Oxygen	WMC	FQM-77-1536	6.16	mg/L	FQ_AF-20-190						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1009	MARCO	5/7/2019 9:38	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	0.25	Dissolved Oxygen	WMC	FQM-77-1536	6.99	mg/L	FQ_AF-20-191						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1010M	MARCO	5/7/2019 9:40	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	1.50	1.00	Dissolved Oxygen	WMC	FQM-77-1536	5.50	mg/L	FQ_AF-20-192						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1011	MARCO	5/7/2019 10:27	KENDALL	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.10	Dissolved Oxygen	WMC	FQM-77-1536	8.72	mg/L	FQ_AF-20-193						Green clippings and yard debris blown into water by landscape crews. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1012	MARCO	5/7/2019 10:53	COLLIER_BRIDGE	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	1.20	Dissolved Oxygen	WMC	FQM-77-1536	9.51	mg/L	FQ_AF-20-194						Drainage discharging adjacent to stn. Est moved 2 feet upstream. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1104	MARCO	6/18/2019 11:20	HC_CENTER	Field	Field Testing-Grassroot	Misc Field Devices	SW	0.50	1.40	Dissolved Oxygen	WMC	FQM-77-1536	10.56	mg/L	FQ_AF-20-195						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1105M	MARCO	6/17/2019 11:37	HC_CENTER	Field	Field Testing-Deionize	Misc Field Devices	SW	1.60	1.50	Dissolved Oxygen	WMC	FQM-77-1536	9.99	mg/L	FQ_AF-20-196						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1106	MARCO	6/17/2019 9:47	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	0.20	Dissolved Oxygen Saturation	WMC611	FQM-77-1536	113.8	%	FQ_AF-20-197						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1106M	MARCO	6/17/2019 9:51	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	2.75	2.45	Dissolved Oxygen Saturation	WMC611	FQM-77-1536	84.4	%	FQ_AF-20-198						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1107	MARCO	6/17/2019 9:38	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	0.25	Dissolved Oxygen Saturation	WMC611	FQM-77-1536	86.2	%	FQ_AF-20-199						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1108	MARCO	6/17/2019 9:40	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	1.50	1.00	Dissolved Oxygen Saturation	WMC611	FQM-77-1536	85.0	%	FQ_AF-20-200						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1109	MARCO	6/17/2019 10:27	KENDALL	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	1.10	Dissolved Oxygen Saturation	WMC611	FQM-77-1536	105.2	%	FQ_AF-20-201						Green clippings and yard debris blown into water by landscape crews. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1110	MARCO	6/17/2019 10:53	COLLIER_BRIDGE	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.20	Dissolved Oxygen Saturation	WMC611	FQM-77-1536	105.1	%	FQ_AF-20-202						Drainage discharging adjacent to stn. Est moved 2 feet upstream. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1103	MARCO	6/18/2019 11:20	HC_CENTER	Field	Field Testing-Grassroot	Misc Field Devices	SW	0.50	1.40	Dissolved Oxygen Saturation	WMC611	FQM-77-1536	103.2	%	FQ_AF-20-203						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1102F	MARCO	6/17/2019 11:37	HC_CENTER	Field	Field Testing-Deionize	Misc Field Devices	SW	1.60	1.50	Dissolved Oxygen Saturation	WMC611	FQM-77-1536	179.2	%	FQ_AF-20-204						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1101F	MARCO	6/17/2019 9:47	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	0.20	pH	WMC	FQM-77-1150	7.87	SU	FQ_AF-20-205						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1101M	MARCO	6/17/2019 9:51	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	2.75	2.25	pH	WMC	FQM-77-1150	7.93	SU	FQ_AF-20-206						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1101F	MARCO	6/17/2019 9:38	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	0.25	pH	WMC	FQM-77-1150	7.91	SU	FQ_AF-20-207						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1103M	MARCO	6/17/2019 9:40	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	1.50	1.00	pH	WMC	FQM-77-1150	7.90	SU	FQ_AF-20-208						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1102	MARCO	6/17/2019 10:27	KENDALL	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	1.10	pH	WMC	FQM-77-1150	7.93	SU	FQ_AF-20-209						Green clippings and yard debris blown into water by landscape crews. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1103	MARCO	6/17/2019 10:53	COLLIER_BRIDGE	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.20	pH	WMC	FQM-77-1150	7.99	SU	FQ_AF-20-210						Drainage discharging adjacent to stn. Est moved 2 feet upstream. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1104F	MARCO	6/17/2019 11:20	HC_CENTER	Field	Field Testing-Grassroot	Misc Field Devices	SW	0.50	1.40	pH	WMC	FQM-77-1150	8.14	SU	FQ_AF-20-211						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1104M	MARCO	6/17/2019 11:37	HC_CENTER	Field	Field Testing-Deionize	Misc Field Devices	SW	1.60	1.50	pH	WMC	FQM-77-1150	7.98	SU	FQ_AF-20-212						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1104F	MARCO	6/17/2019 9:47	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	0.20	Salinity	WMC	FQM-77-1150	29.10	ppt	FQ_AF-20-213						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1104M	MARCO	6/17/2019 9:51	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	2.75	2.45	Salinity	WMC	FQM-77-1150	31.50	ppt	FQ_AF-20-214						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1101F	MARCO	6/17/2019 9:38	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	0.25	Salinity	WMC	FQM-77-1150	30.58	ppt	FQ_AF-20-215						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1103M	MARCO	6/17/2019 9:40	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	1.50	1.00	Salinity	WMC	FQM-77-1150	34.10	ppt	FQ_AF-20-216						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1102	MARCO	6/17/2019 10:27	KENDALL	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	1.10	Salinity	WMC	FQM-77-1150	33.12	ppt	FQ_AF-20-217						Green clippings and yard debris blown into water by landscape crews. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1103	MARCO	6/17/2019 10:53	COLLIER_BRIDGE	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.20	Salinity	WMC	FQM-77-1150	29.56	ppt	FQ_AF-20-218						Drainage discharging adjacent to stn. Est moved 2 feet upstream. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1104F	MARCO	6/17/2019 11:20	HC_CENTER	Field	Field Testing-Grassroot	Misc Field Devices	SW	0.50	1.40	Salinity	WMC	FQM-77-1150	27.68	ppt	FQ_AF-20-219						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1104M	MARCO	6/17/2019 11:37	HC_CENTER	Field	Field Testing-Deionize	Misc Field Devices	SW	1.60	1.50	Salinity	WMC	FQM-77-1150	31.14	ppt	FQ_AF-20-220						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1101F	MARCO	6/17/2019 9:47	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	0.20	Depth, Bottom Dist Depth	WMC613	FQM-77-1734	1.12	m	FQ_AF-20-221						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1101M	MARCO	6/17/2019 9:38	SHIRTELL_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	2.20	Depth, Bottom Dist Depth	WMC613	FQM-77-1734	1.10	m	FQ_AF-20-222						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1101F	MARCO	6/17/2019 10:27	KENDALL	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.10	Depth, Bottom Dist Depth	WMC613	FQM-77-1734	0.90	m	FQ_AF-20-223						Green clippings and yard debris blown into water by landscape crews. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1105	MARCO	6/17/2019 10:53	COLLIER_BRIDGE	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.20	Depth, Bottom Dist Depth	WMC613	FQM-77-1734	1.00	m	FQ_AF-20-224						Drainage discharging adjacent to stn. Est moved 2 feet upstream. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1106F	MARCO	6/17/2019 11:20	HC_CENTER	Field	Field Testing-Deionize	Misc Field Devices	SW	0.50	1.40	Depth, Bottom Dist Depth	WMC613	FQM-77-1734	0.97	m	FQ_AF-20-225						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1106M	MARCO	6/17/2019 11:37	HC_CENTER	Field	Field Testing-Deionize	Misc Field Devices	SW	1.60	1.50	Depth, Bottom Dist Depth	WMC613	FQM-77-1734	0.97	m	FQ_AF-20-226						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1105F	MARCO	6/17/2019 9:47	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	0.25	Specific Conductance	WMC	FQM-77-1730	45447	umhos/cm	FQ_AF-20-227						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1105M	MARCO	6/17/2019 9:51	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	2.75	2.25	Specific Conductance	WMC	FQM-77-1730	47547	umhos/cm	FQ_AF-20-228						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1107F	MARCO	6/17/2019 9:38	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	0.25	Specific Conductance	WMC	FQM-77-1730	47548	umhos/cm	FQ_AF-20-229						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1109F	MARCO	6/17/2019 9:40	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	1.50	1.00	Specific Conductance	WMC	FQM-77-1730	52004	umhos/cm	FQ_AF-20-230						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1107	MARCO	6/17/2019 10:27	KENDALL	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.10	Specific Conductance	WMC	FQM-77-1730	48947	umhos/cm	FQ_AF-20-231						Green clippings and yard debris blown into water by landscape crews. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1107	MARCO	6/17/2019 10:53	COLLIER_BRIDGE	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.20	Specific Conductance	WMC	FQM-77-1730	47884	umhos/cm	FQ_AF-20-232						Drainage discharging adjacent to stn. Est moved 2 feet upstream. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1108F	MARCO	6/17/2019 11:20	HC_CENTER	Field	Field Testing-Grassroot	Misc Field Devices	SW	0.50	1.40	Specific Conductance	WMC	FQM-77-1730	52088	umhos/cm	FQ_AF-20-233						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1108M	MARCO	6/17/2019 11:37	HC_CENTER	Field	Field Testing-Deionize	Misc Field Devices	SW	1.60	1.50	Specific Conductance	WMC	FQM-77-1730	48947	umhos/cm	FQ_AF-20-234						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1107F	MARCO	6/17/2019 9:47	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	0.25	Temperature, Water	WMC	FQM-77-1454	30.6	deg C	FQ_AF-20-235						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1109F	MARCO	6/17/2019 9:51	JH_PARK	Field	Field Testing-Deionize	Misc Field Devices	SW	2.75	2.25	Temperature, Water	WMC	FQM-77-1454	30.1	deg C	FQ_AF-20-236						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1107F	MARCO	6/17/2019 9:38	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	0.25	Temperature, Water	WMC	FQM-77-1454	30.1	deg C	FQ_AF-20-237						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1109F	MARCO	6/17/2019 9:40	SHIRTELL_D_MARCO2	Field	Field Testing-Deionize	Misc Field Devices	SW	1.50	1.00	Temperature, Water	WMC	FQM-77-1454	29.8	deg C	FQ_AF-20-238						Floating brown algal mats present at stn. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1107	MARCO	6/17/2019 10:27	KENDALL	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.10	Temperature, Water	WMC	FQM-77-1454	30.3	deg C	FQ_AF-20-239						Green clippings and yard debris blown into water by landscape crews. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1107	MARCO	6/17/2019 10:53	COLLIER_BRIDGE	Field	Field Testing-Deionize	Misc Field Devices	SW	0.75	1.20	Temperature, Water	WMC	FQM-77-1454	31.4	deg C	FQ_AF-20-240						Drainage discharging adjacent to stn. Est moved 2 feet upstream. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1108F	MARCO	6/17/2019 11:20	HC_CENTER	Field	Field Testing-Grassroot	Misc Field Devices	SW	0.50	1.40	Temperature, Water	WMC	FQM-77-1454	31.7	deg C	FQ_AF-20-241						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
AF-20-1108M	MARCO	6/17/2019 11:37	HC_CENTER	Field	Field Testing-Deionize	Misc Field Devices	SW	1.60	1.50	Temperature, Water	WMC	FQM-77-1454	30.9	deg C	FQ_AF-20-242						Floating filaria on surface of water. Lower clippings on surface. Visible outgoing flow.	DRussow/WMcInerney	Direct Grab	Water Bottle
[illegible]	MARCO	6/17/2019 11:[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SW	0.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	MARCO	6/17/2019 10:[illegible]	FIELDBLANK	[illegible]	[illegible]	[illegible]	SW	0.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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Report To: Tonia Selmeski
City of Marco Island
50 Bald Eagle Drive
Marco Island, FL 34145

Collected by: CCPCD
Collection Date: 08/07/2019
Submittal Date: 08/07/2019 @ 12:34

Report Date : 9/5/2019
Report Time : 10:31:32AM

Project: MARCO
Report#: 0819_MRCO_I

Data Qualifier Code Key:

- I: The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
- U: The compound was analyzed for but not detected
- Q: Sample held beyond acceptable holding time
- J: Estimate value; the reported value failed to meet established criteria for either precision or accuracy
- V: Analyte detected in both the sample and the associated method blank
- B: Colony count is generated from plates in which the total number of colonies is outside the method indicated ideal range
- Y: The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
- G: Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated field blank, equipment blank, or trip blank, and the blank value was greater than 10% of the associated sample value.

Analyses performed using EPA or Standard Methods and certified to meet NELAC Standards. Data qualifiers assigned according to F.A.C. 62-160. Results contained in this report relate only to the samples collected.

NEFAP ACCREDITED TNI FIELD SAMPLING & MEASUREMENT ORGANIZATION

NELAP ACCREDITED TNI LABORATORY

Respectfully Submitted,

Nosbel Perez

Nosbel Perez
Laboratory Supervisor

ANALYTICAL RESULTS Report # 0819_MRCO_I

Location: WINDMILL	*Field ID:* AF56187		*Lab ID:* AF56187		*Collect Date/Time:* 8/7/19 08:56			
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019 12:08
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	08/07/2019 14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019 09:25
Phosphorus- Total	EPA 200.8	0.084	<0.046		mg/L	0.028	0.070	7	08/15/2019 12:09
Nitrogen- Total Kjeldahl	EPA 351.2	0.665			mg/L	0.230	0.500	1	08/19/2019 16:02
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019 14:09
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	08/07/2019 08:56
Dissolved Oxygen Saturation	FDEP FT1500	74.1	>42		%			1	08/07/2019 08:56
Nitrogen- Total	Nitrogen- Total	0.665	<0.3		mg/L	0.230	0.500	1	08/20/2019 09:26
Chlorophyll a	SM 10200 H	6.8	<4.9		mg/m3	1.00	1.00	1	08/23/2019 13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/07/2019 14:31
Pheophytin	SM 10200 H	3.50			mg/m3	1.00	1.00	1	08/23/2019 13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/14/2019 13:15
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019 15:41

ANALYTICAL RESULTS Report # 0819_MRCO_I

Location: HOLLYHOCK	*Field ID:* AF56188		*Lab ID:* AF56188		*Collect Date/Time:* 8/7/19 09:19			
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**
CC-Nitrate-N	CC-Nitrate-N	0.016		I	mg/L	0.011	0.020	1	08/09/2019 12:08
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	08/07/2019 14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019 09:25
Phosphorus- Total	EPA 200.8	0.072	<0.046		mg/L	0.028	0.070	7	08/15/2019 12:19
Nitrogen- Total Kjeldahl	EPA 351.2	0.911			mg/L	0.230	0.500	1	08/19/2019 17:38
Nitrate-Nitrite (N)	EPA 353.2	0.016		I	mg/L	0.011	0.020	1	08/08/2019 14:15
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	08/07/2019 09:19
Dissolved Oxygen Saturation	FDEP FT1500	77.8	>42		%			1	08/07/2019 09:19
Nitrogen- Total	Nitrogen- Total	0.927	<0.3		mg/L	0.230	0.500	1	08/20/2019 09:26
Chlorophyll a	SM 10200 H	6.0	<4.9	J	mg/m3	1.00	1.00	1	08/23/2019 13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/07/2019 14:31
Pheophytin	SM 10200 H	1.00		UJ	mg/m3	1.00	1.00	1	08/23/2019 13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/14/2019 13:15
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019 15:45

ANALYTICAL RESULTS Report # 0819_MRCO_I

Location: HUMMINGBIRD	*Field ID:* AF56189		*Lab ID:* AF56189		*Collect Date/Time:* 8/7/19 09:46			
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019 12:08
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	08/07/2019 14:22

Digestion for Metals	EPA 200.8	Completed						7	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.077	<0.046		mg/L	0.028	0.070	7	08/15/2019	12:22
Nitrogen- Total Kjeldahl	EPA 351.2	0.684			mg/L	0.230	0.500	1	08/15/2019	11:51
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:17
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	08/07/2019	09:46
Dissolved Oxygen Saturation	FDEP FT1500	86.2	>42		%			1	08/07/2019	09:46
Nitrogen- Total	Nitrogen- Total	0.684	<0.3		mg/L	0.230	0.500	1	08/15/2019	15:29
Chlorophyll a	SM 10200 H	8.4	<4.9		mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/08/2019	11:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/13/2019	09:54
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	15:46

ANALYTICAL RESULTS Report # 0819_MRCO_I

Location: **MCILVAINE** ***Field ID:*** **AF56190** ***Lab ID:*** **AF56190** ***Collect Date/Time:*** **8/7/19 10:26**

Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019	12:08
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	08/07/2019	14:22
Digestion for Metals	EPA 200.8	Completed						8	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.050	<0.046	I	mg/L	0.032	0.080	8	08/15/2019	13:07
Nitrogen- Total Kjeldahl	EPA 351.2	0.704			mg/L	0.230	0.500	1	08/15/2019	11:59
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:19
pH	FDEP FT1100	8.0	6.5 - 8.5		SU			1	08/07/2019	10:26
Dissolved Oxygen Saturation	FDEP FT1500	100.2	>42		%			1	08/07/2019	10:26
Nitrogen- Total	Nitrogen- Total	0.704	<0.3		mg/L	0.230	0.500	1	08/15/2019	15:29
Chlorophyll a	SM 10200 H	3.2	<4.9		mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/08/2019	11:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/13/2019	09:54
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	15:47

ANALYTICAL RESULTS Report # 0819_MRCO_I

Location: **E_WINTERBERRY_BRIDGE** ***Field ID:*** **AF56191** ***Lab ID:*** **AF56191** ***Collect Date/Time:*** **8/7/19 10:50**

Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019	12:08
Enterococci	Enterolert/QT	20	<130		MPN/100 mL	10	10	10	08/07/2019	14:22
Digestion for Metals	EPA 200.8	Completed						8	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.056	<0.046	I	mg/L	0.032	0.080	8	08/15/2019	13:10
Nitrogen- Total Kjeldahl	EPA 351.2	0.658			mg/L	0.230	0.500	1	08/15/2019	12:03
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:20

pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	08/07/2019	10:50
Dissolved Oxygen Saturation	FDEP FT1500	98.4	>42		%			1	08/07/2019	10:50
Nitrogen- Total	Nitrogen- Total	0.658	<0.3		mg/L	0.230	0.500	1	08/15/2019	15:29
Chlorophyll a	SM 10200 H	5.3	<4.9		mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/08/2019	11:30
Pheophytin	SM 10200 H	1.20			mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/13/2019	09:54
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	15:48

ANALYTICAL RESULTS Report # 0819_MRCO_I

Location: **W_WINTERBERRY_BRIDGE** ***Field ID:*** **AF56192** ***Lab ID:*** **AF56192** ***Collect Date/Time:*** **8/7/19 11:12**

Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019	12:08
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	08/07/2019	14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.070	<0.046	I	mg/L	0.028	0.070	7	08/15/2019	12:25
Nitrogen- Total Kjeldahl	EPA 351.2	0.668			mg/L	0.230	0.500	1	08/15/2019	12:02
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:22
pH	FDEP FT1100	8.0	6.5 - 8.5		SU			1	08/07/2019	11:12
Dissolved Oxygen Saturation	FDEP FT1500	108	>42		%			1	08/07/2019	11:12
Nitrogen- Total	Nitrogen- Total	0.668	<0.3		mg/L	0.230	0.500	1	08/15/2019	15:29
Chlorophyll a	SM 10200 H	6.4	<4.9		mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/08/2019	11:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/13/2019	09:54
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	15:49

ANALYTICAL RESULTS Report # 0819_MRCO_II

Location: **BARFIELD_BRIDGE** ***Field ID:*** **AF56193** ***Lab ID:*** **AF56193** ***Collect Date/Time:*** **8/7/19 09:38**

Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019	12:08
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	08/07/2019	14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.062	<0.046	I	mg/L	0.028	0.070	7	08/15/2019	12:28
Nitrogen- Total Kjeldahl	EPA 351.2	0.680			mg/L	0.230	0.500	1	08/19/2019	16:09
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:24
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	08/07/2019	09:38
Dissolved Oxygen Saturation	FDEP FT1500	95.2	>42		%			1	08/07/2019	09:38
Nitrogen- Total	Nitrogen- Total	0.680	<0.3		mg/L	0.230	0.500	1	08/20/2019	09:26
Chlorophyll a	SM 10200 H	3.3	<4.9		mg/m3	1.00	1.00	1	08/23/2019	13:02

Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/07/2019	14:31
Pheophytin	SM 10200 H	8.10			mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/14/2019	13:15
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	15:50

ANALYTICAL RESULTS Report # 0819_MRCO_II

Location: **JH_PARK**	***Field ID:***	**AF56194**		***Lab ID:***	**AF56194**	***Collect Date/Time:***			**8/7/19**	**08:47**
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**	
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019	12:08
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	08/07/2019	14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.066	<0.046	I	mg/L	0.028	0.070	7	08/15/2019	12:31
Nitrogen- Total Kjeldahl	EPA 351.2	0.707			mg/L	0.230	0.500	1	08/19/2019	16:07
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:26
pH	FDEP FT1100	8.0	6.5 - 8.5		SU			1	08/07/2019	08:47
Dissolved Oxygen Saturation	FDEP FT1500	113.6	>42		%			1	08/07/2019	08:47
Nitrogen- Total	Nitrogen- Total	0.707	<0.3		mg/L	0.230	0.500	1	08/20/2019	09:26
Chlorophyll a	SM 10200 H	7.2	<4.9		mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/07/2019	14:31
Pheophytin	SM 10200 H	6.70			mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/14/2019	13:15
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	15:51

ANALYTICAL RESULTS Report # 0819_MRCO_II

Location: **COLLIER_BRIDGE**	***Field ID:***	**AF56195**		***Lab ID:***	**AF56195**	***Collect Date/Time:***			**8/7/19**	**10:58**
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**	
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019	12:08
Enterococci	Enterolert/QT	63	<130		MPN/100 mL	10	10	10	08/07/2019	14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.085	<0.046		mg/L	0.028	0.070	7	08/15/2019	12:34
Nitrogen- Total Kjeldahl	EPA 351.2	0.492		I	mg/L	0.230	0.500	1	08/19/2019	16:06
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:31
pH	FDEP FT1100	8.0	6.5 - 8.5		SU			1	08/07/2019	10:58
Dissolved Oxygen Saturation	FDEP FT1500	145.1	>42		%			1	08/07/2019	10:58
Nitrogen- Total	Nitrogen- Total	0.492	<0.3	I	mg/L	0.230	0.500	1	08/20/2019	09:26
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/07/2019	14:31
Pheophytin	SM 10200 H	11.5			mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/14/2019	13:15
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	15:54

ANALYTICAL RESULTS Report # 0819_MRCO_II

Location: HC_CENTER	*Field ID:* AF56196		*Lab ID:* AF56196		*Collect Date/Time:* 8/7/19 11:35				
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019 12:08
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	08/07/2019 14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019 09:25
Phosphorus- Total	EPA 200.8	0.065	<0.046	I	mg/L	0.028	0.070	7	08/15/2019 12:38
Nitrogen- Total Kjeldahl	EPA 351.2	0.397		I	mg/L	0.230	0.500	1	08/19/2019 16:05
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019 14:36
pH	FDEP FT1100	8.1	6.5 - 8.5		SU			1	08/07/2019 11:35
Dissolved Oxygen Saturation	FDEP FT1500	163.3	>42		%			1	08/07/2019 11:35
Nitrogen- Total	Nitrogen- Total	0.397	<0.3	I	mg/L	0.230	0.500	1	08/20/2019 09:26
Chlorophyll a	SM 10200 H	7.5	<4.9		mg/m3	1.00	1.00	1	08/23/2019 13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/07/2019 14:31
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	08/23/2019 13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/14/2019 13:15
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019 15:57

ANALYTICAL RESULTS Report # 0819_MRCO_II

Location: KENDALL	*Field ID:* AF56197		*Lab ID:* AF56197		*Collect Date/Time:* 8/7/19 10:27				
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019 12:08
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	08/07/2019 14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019 09:25
Phosphorus- Total	EPA 200.8	0.074	<0.046		mg/L	0.028	0.070	7	08/15/2019 12:41
Nitrogen- Total Kjeldahl	EPA 351.2	0.590			mg/L	0.230	0.500	1	08/19/2019 16:03
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019 14:38
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	08/07/2019 10:27
Dissolved Oxygen Saturation	FDEP FT1500	105.2	>42		%			1	08/07/2019 10:27
Nitrogen- Total	Nitrogen- Total	0.590	<0.3		mg/L	0.230	0.500	1	08/20/2019 09:26
Chlorophyll a	SM 10200 H	11.7	<4.9		mg/m3	1.00	1.00	1	08/23/2019 13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/07/2019 14:31
Pheophytin	SM 10200 H	1.40			mg/m3	1.00	1.00	1	08/23/2019 13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/14/2019 13:15
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019 15:58

ANALYTICAL RESULTS Report # 0819_MRCO_II

Location: FCEB_MARCO	*Field ID:* AF56199		*Lab ID:* AF56199		*Collect Date/Time:* 8/7/19 11:18				
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019 12:08
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	08/07/2019 14:22

Digestion for Metals	EPA 200.8	Completed						1	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.004	<0.046	U	mg/L	0.004	0.010	1	08/15/2019	13:13
Nitrogen- Total Kjeldahl	EPA 351.2	0.230		U	mg/L	0.230	0.500	1	08/19/2019	17:42
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:41
pH	FDEP FT1100	NA	6.5 - 8.5		SU			1	08/07/2019	11:18
Dissolved Oxygen Saturation	FDEP FT1500	NA	>42		%			1	08/07/2019	11:18
Nitrogen- Total	Nitrogen- Total	<MDL	<0.3	U	mg/L	0.230	0.500	1	08/20/2019	09:26
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/07/2019	14:31
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/14/2019	13:15
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	16:01

ANALYTICAL RESULTS Report # 0819_MRCO_I

Location: **EB_MARCO**	***Field ID:*** **AF56200**			***Lab ID:*** **AF56200**		***Collect Date/Time:*** **8/7/19**			**08:40**	
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**	
CC-Nitrate-N	CC-Nitrate-N	<MDL		U	mg/L	0.011	0.020	1	08/09/2019	12:08
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	08/07/2019	14:22
Digestion for Metals	EPA 200.8	Completed						1	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.004	<0.046	U	mg/L	0.004	0.010	1	08/15/2019	13:16
Nitrogen- Total Kjeldahl	EPA 351.2	0.230		U	mg/L	0.230	0.500	1	08/15/2019	12:01
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	08/08/2019	14:42
pH	FDEP FT1100	NA	6.5 - 8.5		SU			1	08/07/2019	08:40
Dissolved Oxygen Saturation	FDEP FT1500	NA	>42		%			1	08/07/2019	08:40
Nitrogen- Total	Nitrogen- Total	<MDL	<0.3	U	mg/L	0.230	0.500	1	08/15/2019	15:29
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/08/2019	11:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/13/2019	09:54
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	16:02

ANALYTICAL RESULTS Report # 0819_MRCO_I

Location: **DUP1**	***Field ID:*** **AF56201**			***Lab ID:*** **AF56201**		***Collect Date/Time:*** **8/7/19**			**09:24**	
Analyte Name	**Method**	**Result**	**Acceptable Limits**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**	
CC-Nitrate-N	CC-Nitrate-N	0.013		I	mg/L	0.011	0.020	1	08/09/2019	12:08
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	08/07/2019	14:22
Digestion for Metals	EPA 200.8	Completed						7	08/13/2019	09:25
Phosphorus- Total	EPA 200.8	0.071	<0.046		mg/L	0.028	0.070	7	08/15/2019	12:57
Nitrogen- Total Kjeldahl	EPA 351.2	0.543			mg/L	0.230	0.500	1	08/15/2019	11:58
Nitrate-Nitrite (N)	EPA 353.2	0.013		I	mg/L	0.011	0.020	1	08/08/2019	14:43

pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	08/07/2019	09:24
Dissolved Oxygen Saturation	FDEP FT1500	75.8	>42		%			1	08/07/2019	09:24
Nitrogen- Total	Nitrogen- Total	0.556	<0.3		mg/L	0.230	0.500	1	08/15/2019	15:29
Chlorophyll a	SM 10200 H	3.4	<4.9	J	mg/m3	1.00	1.00	1	08/23/2019	13:02
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	08/08/2019	11:30
Pheophytin	SM 10200 H	6.80		J	mg/m3	1.00	1.00	1	08/23/2019	13:02
Digestion for TKN	SM 4500 NorgD	Complete						1	08/13/2019	09:54
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	08/08/2019	16:03