



Collier County™

POLLUTION CONTROL

LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Wednesday, October 23, 2019

Sampler: Kamila Perez

Meter/Notes: Chris Lienhardt



Certificate No

[4262.01](#)

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

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: I

Sample Collector: Kamila Perez

Meter / Notes: Chris Lienhardt

Date: 10/23/2019

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)
AF57122	9:35	LANDMARK	29.8	52504	34.45	79.8	5.03	7.82	0.30		2.10	2.10
AF57122B	9:37	LANDMARK	29.8	52708	34.60	72.5	4.56	7.82	1.80		2.10	2.10
Collection Device		VanDorn; CDI: 08721	Cleaning Protocol: J		Flow:			Staff Gauge:			pH < 2:	YES
Comments: Tide appears to be outgoing. Fish observed swimming through 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)
AF57124	9:43	LANDMARK										
Collection Device		VanDorn; CDI: 08721	Cleaning Protocol:		Flow:		Staff Gauge:				pH < 2:	YES
Comments: FCEB taken from CDI13270 carboy.											Sample Type:	FCEB

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)
AF57114	10:05	W_WINTERBERRY_BRIDGE	29.6	52613	34.53	90.2	5.69	7.91	0.30			1.40
Collection Device		VanDorn; CDI: 08721	Cleaning Protocol: J		Flow:		Staff Gauge:				pH < 2:	YES
Comments: Unable to determine total depth due to strong outgoing tidal 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)
AF57112	10:30	MCILVAINE	29.3	52401	34.39	105.5	6.70	8.01	0.30		4.20	1.70
AF57112B	10:33	MCILVAINE	29.3	52780	34.66	88.9	5.63	7.94	3.90		4.20	1.70
Collection Device		VanDorn; CDI: 08721	Cleaning Protocol: J		Flow:		Staff Gauge:				pH < 2:	YES
Comments: Visibly outgoing tide.											Sample Type:	SAMP

Bottles Per Site / Shipped Per Site:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Partly cloudy and hot. Temps in the upper 80s, moving to the lower 90s	
Sampling SOP:	FSQM 03-03	24 HRS Prior Weather:	Similar.	

Prepared By: Christopher Lienhardt
Reviewed By: Kamila Diddle

Signed: 11/13/2019 11:43:44 AM
Signed: 10/23/2019 1:54:57 PM

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: I

Sample Collector: Kamila Perez

Meter / Notes: Chris Lienhardt

Date: 10/23/2019

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)
AF57109	10:59	WINDMILL	29.7	51830	33.95	88.1	5.57	7.78	0.30		2.40	1.10
AF57109B	11:01	WINDMILL	29.5	51964	34.06	78.8	4.99	7.75	2.10		2.40	1.10
Collection Device	VanDorn; CDI: 08721		Cleaning Protocol: J			Flow:		Staff Gauge:		pH < 2:	YES	
Comments:	Visibly outgoing tide. Bats living under bridge near sample location.										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)
AF57110	11:20	HOLLYHOCK	29.6	52466	34.42	68.8	4.34	7.58	0.30		1.50	1.30
AF57110B	11:22	HOLLYHOCK	29.5	52502	34.46	54.3	3.43	7.53	1.20		1.50	1.30
Collection Device	VanDorn; CDI: 08721		Cleaning Protocol: J			Flow:		Staff Gauge:		pH < 2:	YES	
Comments:	Organic sheen and grass clippings floating on surface near site. Unable to discern tidal flow. Charts show tide as outgoing until 3:42 PM.										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)
AF57111	11:43	HUMMINGBIRD	30.0	51430	33.65	107.7	6.79	7.87	0.30		1.60	1.60
AF57111B	11:45	HUMMINGBIRD	29.9	51511	33.71	105.4	6.66	7.87	1.30		1.60	1.60
Collection Device	VanDorn; CDI: 08721		Cleaning Protocol: J			Flow:		Staff Gauge:		pH < 2:	YES	
Comments:	Unable to determine tidal flow. Charts show tide as outgoing until 3:42 PM.										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)
AF57113	12:04	E_WINTERBERRY_BRIDGE	30.1	52681	34.57	106.7	6.68	7.93	0.30		1.90	1.40
AF57113B	12:06	E_WINTERBERRY_BRIDGE	29.8	52937	34.77	86.8	5.45	7.90	1.60		1.90	1.40
Collection Device	VanDorn; CDI: 08721		Cleaning Protocol: J			Flow:		Staff Gauge:		pH < 2:	YES	
Comments:	Unable to determine tidal flow. Charts show tide as outgoing until 3:42 PM.										Sample Type:	SAMP

Bottles Per Site / Shipped Per Site:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Partly cloudy and hot. Temps in the upper 80s, moving to the lower 90s	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar.	

Prepared By: Christopher Lienhardt

Reviewed By: Kamila Diddle

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: I

Sample Collector: Kamila Perez

Meter / Notes: Chris Lienhardt

Date: 10/23/2019

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)
AF57120	12:30	SWALLOW	29.7	50953	33.31	118.5	7.52	7.98	0.30		1.50	1.50
AF57120B	12:32	SWALLOW	30.2	52456	34.40	76.8	4.81	7.88	1.20		1.50	1.50
Collection Device	VanDorn; CDI: 08721		Cleaning Protocol: J			Flow: [REDACTED]		Staff Gauge:			pH < 2:	YES
Comments:	Unable to determine tidal flow. Charts show tide as outgoing until 3:42 PM. Vegetative debris on surface. Organic sheen observed on surface.										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)
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Collection Device	[REDACTED]		Cleaning Protocol: [REDACTED]			Flow: [REDACTED]		Staff Gauge:			pH < 2:	[REDACTED]
Comments:											Sample Type:	[REDACTED]

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)
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Collection Device	[REDACTED]		Cleaning Protocol: [REDACTED]			Flow: [REDACTED]		Staff Gauge:			pH < 2:	[REDACTED]
Comments:											Sample Type:	[REDACTED]

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)
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Collection Device	[REDACTED]		Cleaning Protocol: [REDACTED]			Flow: [REDACTED]		Staff Gauge:			pH < 2:	[REDACTED]
Comments:											Sample Type:	[REDACTED]

Bottles Per Site / Shipped Per Site:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Partly cloudy and hot. Temps in the upper 80s, moving to the lower 90s	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar.	

Prepared By: Christopher Lienhardt

Reviewed By: Kamila Diddle

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: I

Sample Collector: Kamila Perez

Meter / Notes: Chris Lienhardt

Date: 10/23/2019

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			Field 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:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Partly cloudy and hot. Temps in the upper 80s, moving to the lower 90s	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar.	

Prepared By: Christopher Lienhardt

Reviewed By: Kamila Diddle



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

PRESERVATION CODES	Lot#	Prs. Vol.	Prs. Lot#	Prs. Supp.	Prs. Date	Initials
2C 1L Opaque HDPE/Light-shielded/Ice	AF56301					
3S 125ml HDPE/H2SO4/Ice	CDI13022	8 Drops	RP13712	Fisher	10/23/2019	CTL, KP
4F 60ml Opaque HDPE/Filtered/Ice	AF55337					
5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI12140					
6N 250ml HDPE/H2SO4	CDI10488	16 Drops	RP13712	Fisher	10/23/2019	CTL, KP
14 Whatman Polydisc GW 0.45µm	A17569268					
1G 1L HDPE/Ice	73135					

Project	MARCO	MATRIX CODES
Sample Collector(s):		GW Ground Water
Kamila Perez		SW Surface Water
Sample Collector Signature:		WW Waste Water
		DW Drinking Water
		Other _____
Relinquished By: (Signature)		

Received By: (Signature)	Date/Time	10/23/19 1:59 PM
Relinquished By: (Signature)	Date/Time	10/23/19 1:59 PM
Received By: (Signature)	Date/Time	

Parameters										Sample Check-In		
Chlorophyll-PC, Pheophytin-PC, Prep-Chloro	Nitrate-Nitrite-PC, Nitrogen-TKN-PC, Prep-TKN	Nitrite-PC	Enterolert-PC	Phosphorus-CP-PC, Prep Metals	TN-PC, CC-Nitrate-N-PC	Turbidity					Sample(s) Intact?	
											Rec'd in wet ice?	
											Temp °C:	
											Proper Samp ID?	
											Rec'd within hold time?	
											Acid preserved samples pH<2?	
											Logged In?	
											Scanned?	

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	# of sample Containers Submitted										Lab ID #						
							2C	3S	4F	5J	6N	Calc	1G										
10/23/2019	9:35	7.82	52504	0.30	LANDMARK	SW	1	1	1	1	1		1										AF57122
10/23/2019	9:43	#N/A	#N/A	#N/A	LANDMARK	SW	1	1	1	1	1		1										AF57124
10/23/2019	10:05	7.91	52613	0.30	W_WINTERBERRY_BRIDGE	SW	1	1	1	1	1		1										AF57114
10/23/2019	10:30	8.01	52401	0.30	MCILVAINE	SW	1	1	1	1	1		1										AF57112
10/23/2019	10:59	7.78	51830	0.30	WINDMILL	SW	1	1	1	1	1		1										AF57109
10/23/2019	11:20	7.58	52466	0.30	HOLLYHOCK	SW	1	1	1	1	1		1										AF57110
10/23/2019	11:43	7.87	51430	0.30	HUMMINGBIRD	SW	1	1	1	1	1		1										AF57111
10/23/2019	12:04	7.93	52681	0.30	E_WINTERBERRY_BRIDGE	SW	1	1	1	1	1		1										AF57113
10/23/2019	12:30	7.98	50953	0.30	SWALLOW	SW	1	1	1	1	1		1										AF57120

Notes:

Collier County Pollution Control Surface Water Field Workbook
Audit Trail Worksheet

Sheet & Cell Reference	Initial Value	Changed To	User	Date & Time	Reason For Change	Analyst E-verified Signature
Calibration-B11		6.95	12630 Sampler	10/23/2019 8:02	Incorrect initial entry.	Christopher Lienhardt
Field Sheet-C12	W_WINTERBERRY_BRIDGE	LANDMARK	Sampler	10/23/2019 9:25	Blank taken	Christopher Lienhardt
Field Sheet-A12	af57114	AF57125	Sampler	10/23/2019 9:25	changed site	Christopher Lienhardt
Field Sheet-B47	Organic sheen and grass clippings floating on surface near site. Unable to discern tidal flow.	Organic sheen and grass clippings floating on surface near site. Unable to discern tidal flow. Charts show tide as outgoing until 3:42 PM.	Sampler	10/23/2019 11:48	more details	Christopher Lienhardt
Chain of Custody-K20		1 Enterolert-PC	Sampler	10/23/2019 13:40	Incorrect initial entry.	Christopher Lienhardt
Chain of Custody-K29		1 5J	Sampler	10/23/2019 13:41	Incorrect initial entry.	Christopher Lienhardt
Chain of Custody-N39		11	1 PCL	10/23/2019 13:56	Incorrect initial entry.	Christopher Lienhardt
Chain of Custody-E19		10/23/2019 13:55	10/23/2019 13:59 PCL	10/23/2019 13:57	Incorrect initial entry.	Christopher Lienhardt

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREATED: 10/23/2019 17:38

DATE	TIME	SITE	Barometer (mmHg)	Temp (°C)	Sp Cond (µS/cm)	TDS (mg/L)	Sal (ppt)	pH	pH (mV)	ODO (% Sat)	ODO (mg/L)	ODO (% LocalB)
10/23/2019	9:35:46 AM	af57122	761.8	29.8	52503.9	34128	34.45	7.82	-91.9	80	5.03	79.8
10/23/2019	9:37:29 AM	af57122	762	29.8	52708	34260	34.6	7.82	-91.8	72.7	4.56	72.5
10/23/2019	10:05:01 AM	af57122	761.7	29.6	52612.9	34198	34.53	7.91	-97.2	90.4	5.69	90.2
10/23/2019	10:30:05 AM	af57122	761.7	29.3	52401.2	34061	34.39	8.01	-103	105.8	6.7	105.5
10/23/2019	10:33:24 AM	af57122	761.6	29.3	52779.5	34307	34.66	7.94	-98.7	89.1	5.63	88.9
10/23/2019	10:59:50 AM	af57109	761.9	29.7	51830.2	33690	33.95	7.78	-89.5	88.3	5.57	88.1
10/23/2019	11:01:22 AM	af57109	762	29.5	51964.4	33777	34.06	7.75	-88	79	4.99	78.8
10/23/2019	11:20:33 AM	af57110	762.1	29.6	52466.3	34103	34.42	7.58	-77.6	69	4.34	68.8
10/23/2019	11:22:20 AM	af57110	762	29.5	52502	34126	34.46	7.53	-74.8	54.4	3.43	54.3
10/23/2019	11:43:04 AM	af57111	762.1	30	51429.7	33429	33.65	7.87	-94.6	108	6.79	107.7
10/23/2019	11:45:05 AM	af57111	762.2	29.9	51510.5	33482	33.71	7.87	-94.8	105.7	6.66	105.4
10/23/2019	12:04:49 PM	af57113	762	30.1	52681.4	34243	34.57	7.93	-98.2	107	6.68	106.7
10/23/2019	12:06:38 PM	af57113	762	29.8	52936.8	34409	34.77	7.9	-96.5	87	5.45	86.8
10/23/2019	12:30:44 PM	af57113	761.8	29.7	50953.3	33120	33.31	7.98	-101	118.8	7.52	118.5
10/23/2019	12:32:51 PM	af57113	761.8	30.2	52456	34096	34.4	7.88	-95.6	77	4.81	76.8



Collier County™

POLLUTION CONTROL

LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Wednesday, October 23, 2019

Sampler: Tensy Thatcher

Meter/Notes: Danny Berger



Certificate No

[4262.01](#)

Client: City of Marco Island

Project: Marco Island

Run: MARCO_II



CCV: Morning		Sonde / Handheld	ProDSS #11	Serial #:	19E104158	
Date/Time:	10/22/19 3:12 PM	Operator:	Danny Berger	Project:	MARCO	
*** Conductivity ***					Associated Calibration File:	
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail	Calibration_11_101819.xlsm		
10000	10547	10096	Pass			
70000	12490	69668	Pass			
*** pH ***						
pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail			
4.00						
7.00	12630	7.06	Pass	All CCV Results Pass?		
10.00	12634	10.02	Pass	Yes		
*** Dissolved Oxygen ***						
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	8.63	100.3	22.9	Pass	8.580	758.7
Notes:						
CCV: Afternoon		Date/Time:	10/23/2019 12:58	Operator:	Danny Berger	
*** Conductivity ***						
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail			
2000	11587	1996	Pass			
70000	12490	69781	Pass			
*** pH ***						
pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail			
4.00						
7.00	12630	7.04	Pass	All CCV Results Pass?		
10.00	12634	9.95	Pass	Yes		
*** Dissolved Oxygen ***						
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	7.86	100.3	27.9	Pass	7.844	760.5
Notes:						
Surface Water Field Workbook Rev 15.8 Effective September 24th, 2019						

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

MARCO_IL_102319_REV

4 of 17

Program: MARCO

Run: MARCO_II

Sample Collector: Tensy Thatcher

Meter / Notes: Danny Berger

Date:

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)
AF57125	10:06	OLDE_MARCO									
Collection Device	VanDorn; CDI: 06978		Cleaning Protocol:			Flow:		Staff Gauge:		pH < 2:	
Comments: EB taken from carboy CDI 13268.											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)
AF57121	10:16	OLDE_MARCO	29.1	51819	33.96	74.1	4.73	7.82	0.30		1.80
AF57121B	10:17	OLDE_MARCO	29.1	51829	33.97	74.3	4.74	7.82	1.50		1.80
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol: J			Flow: Flow.		Staff Gauge:		pH < 2:	
Comments: Tide appeared to still be incoming.											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)
AF57116	10:43	JH_PARK	30.0	50693	33.10	95.7	6.05	7.80	0.30		4.10
AF57116B	10:44	JH_PARK	30.0	50788	33.18	93.6	5.91	7.80	3.80		4.10
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol: J			Flow: Flow.		Staff Gauge:		pH < 2:	
Comments: Visible outgoing tide.											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)
AF57118	11:07	HC_CENTER	30.1	49912	32.53	125.4	7.94	7.89	0.30		1.50
AF57118B	11:08	HC_CENTER	30.0	49924	32.54	118.1	7.49	7.86	1.20		1.50
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol: J			Flow: No flow.		Staff Gauge:		pH < 2:	
Comments: Difficult to determine incoming or outgoing tide due to wind. Some grass clippings were present in the water.											Sample Type:

Bottles Per Site / Shipped Per Site:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Mid 80s and mostly sunny.	
Sampling SOP:	FSQM 03-03	24 HRS Prior Weather:	Similar.	

Prepared By: **Danny Berger**

Reviewed By: **Tensy Thatcher**

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

MARCO_II_102319_REV

5 of 17

Program: MARCO

Run: MARCO_II

Sample Collector: Tensy Thatcher

Meter / Notes: Danny Berger

Date:

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)
AF57117	11:24	COLLIER_BRIDGE	30.2	49842	32.47	97.7	6.18	7.75	0.30		1.50
AF57117B	11:25	COLLIER_BRIDGE	30.2	49967	32.56	86.4	5.46	7.72	1.20		1.50

Collection Device: Pole Sampler; CDI: 11852 Cleaning Protocol: J Flow: Flow. Staff Gauge: pH < 2:

Comments: Visible outgoing tide. 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)
AF57119	11:41	KENDALL	29.9	50705	33.12	81.3	5.14	7.74	0.30		1.20

Collection Device: Pole Sampler; CDI: 11852 Cleaning Protocol: J Flow: Flow. Staff Gauge: pH < 2:

Comments: Visible outgoing tide. 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)
AF57123	11:43	KENDALL	30.0	50700	33.11	81.5	5.15	7.75	0.30		1.20

Collection Device: Pole Sampler; CDI: 11852 Cleaning Protocol: J Flow: Flow. Staff Gauge: pH < 2:

Comments: Visible outgoing tide. 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)
AF57115	12:06	BARFIELD_BRIDGE	29.9	51623	33.79	105.3	6.64	7.82	0.30		2.10
AF57115B	12:08	BARFIELD_BRIDGE	29.9	51638	33.80	105.9	6.68	7.84	1.80		2.10

Collection Device: Pole Sampler; CDI: 11852 Cleaning Protocol: J Flow: Flow. Staff Gauge: pH < 2:

Comments: Small amount of grass clippings and vegetative debris in water. Visible outgoing tide. Sample Type:

Bottles Per Site / Shipped Per Site:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Mid 80s and mostly sunny.	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar.	

Prepared By: Danny Berger

Reviewed By: Tensy Thatcher

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: MARCO_IL

Sample Collector: Tensy Thatcher

Meter / Notes: Danny Berger

Date:

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)

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)

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)

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)

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

Comments: Sample Type:

Bottles Per Site / Shipped Per Site:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Mid 80s and mostly sunny.	

Prepared By: Danny Berger

Collier County Pollution Control Surface Water Field Workbook

Field Sheet Worksheet

Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar.
--------------------	------------	-----------------------	----------

Reviewed By: Tensy Thatcher

Program: MARCO

Run: MARCO_IL

Sample Collector: Tensy Thatcher

Meter / Notes: Danny Berger

Date:

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)

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)

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)

Collection Device:		Field 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)

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

Bottles Per Site / Shipped Per Site:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Mid 80s and mostly sunny.	

Prepared By: Danny Berger

Collier County Pollution Control Surface Water Field Workbook

Field Sheet Worksheet

Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar.
-----------------------	------------	-----------------------	----------

Reviewed By:

Tensy Thatcher

**Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet**

10/23/2019

SECCHI DEPTH (meters)
YES
EB
SECCHI DEPTH (meters)
0.90
0.90
YES
SAMP
SECCHI DEPTH (meters)
1.50
1.50
YES
SAMP
SECCHI DEPTH (meters)
1.10
1.10
YES
SAMP

Signed:
10/23/2019
3:19:10 PM
Signed:
10/23/2019
1:20:41 PM

**Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet**

10/23/2019

SECCHI DEPTH (meters)
1.50
1.50
YES
SAMP
SECCHI DEPTH (meters)
1.20
YES
SAMP
SECCHI DEPTH (meters)
1.20
YES
REP
SECCHI DEPTH (meters)
1.20
1.20
YES
SAMP

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

10/23/2019

SECCHI DEPTH (meters)
SECCHI DEPTH (meters)
SECCHI DEPTH (meters)
SECCHI DEPTH (meters)

10/23/2019

SECCHI DEPTH (meters)
SECCHI DEPTH (meters)
SECCHI DEPTH (meters)
SECCHI DEPTH (meters)



Collier County Pollution Control Department Chain of Custody

3339 Tamiami Trail East, Bldg. Ste. 304 Naples, Florida 34112

NELAC Certification: #E45464

Phone: (239) 252-2502 FAX: (239) 252-6479

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			PRESERVATION CODES	Lot#	Prs. Vol.	Prs. Lot#	Prs. Supp.	Prs. Date	Initials
			2C 1L Opaque HDPE/Light-shielded/Ice	AF56301					
			3S 125ml HDPE/H2SO4/Ice	CDI 13022, 72866	8 drops	RP 13651	10/23/2019	DB, TT	
			4F 60ml Opaque HDPE/Filtered/Ice	AF55337					
			5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI 12140, CDI 12145					
Project	MARCO	MATRIX CODES	6N 250ml HDPE/H2SO4	CDI 10488	16 drops	RP 13651	10/23/2019	DB, TT	
Sample Collector(s):	GW Ground Water		14 Whatman Polydisc GW 0.45µm	A15785627, AF17569268					
Tensy Thatcher	SW Surface Water								
Sample Collector Signature:	WW Waste Water								
	DW Drinking Water								
	Other								
Relinquished By: (Signature)									

Received By: (Signature)	Date/Time	10/23/19 1:22 PM	Parameters										Sample Check-In			
			Chlorophyll-P-C, Pheophytin-P-C, Chloro	Nitrate-Nitrite-P-C, Nitrogen-TKN, Prep-TKN	Nitrite-P-C	Enterolact-P-C	Phosphorus-CP-P-C, Prep Metals	TN-P-C, CC-Nitrate-N-P-C	Turbidity						Sample(s) Intact?	
	Date/Time	10/23/19 1:22 PM												Rec'd in wet ice?		
Relinquished By: (Signature)	Date/Time													Temp °C:		
Received By: (Signature)	Date/Time													Proper Samp ID?		
	Date/Time													Rec'd within hold time?		
	Date/Time													Acid preserved samples pH<2?		
	Date/Time		Bottle Codes										Logged In?			
			2C	3S	4F	5J	6N	Calc	1G					Scanned?		

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	# of sample Containers Submitted										Lab ID #	
10/23/2019	10:06	#N/A	#N/A	#N/A	OLDE_MARCO	SW	1	1	1	1	1							AF57125
10/23/2019	10:16	7.82	51819	0.30	OLDE_MARCO	SW	1	1	1	1	1							AF57121
10/23/2019	10:43	7.80	50693	0.30	JH_PARK	SW	1	1	1	1	1							AF57116
10/23/2019	11:07	7.89	49912	0.30	HC_CENTER	SW	1	1	1	1	1							AF57118
10/23/2019	11:24	7.75	49842	0.30	COLLIER_BRIDGE	SW	1	1	1	1	1							AF57117
10/23/2019	11:41	7.74	50705	0.30	KENDALL	SW	1	1	1	1	1							AF57119
10/23/2019	11:43	7.75	50700	0.30	REPLICATE	SW	1	1	1	1	1							AF57123
10/23/2019	12:06	7.82	51623	0.30	BARFIELD_BRIDGE	SW	1	1	1	1	1							AF57115

Notes:

Collier County Pollution Control Surface Water Field Workbook
Audit Trail Worksheet

Sheet & Cell Reference	Initial Value	Changed To	User	Date & Time	Reason For Change	Analyst E-verified Signature
Calibration-B2		10/22/2019	10/22/2019 15:12 Sampler	10/23/2019 7:43	Incorrect initial entry.	Danny Berger
Field Sheet-F60	H	J	Sampler	10/23/2019 12:11	Incorrect initial entry.	Danny Berger
Calibration-A6		5/18/1927	dannyberger	10/23/2019 15:03	Incorrect initial entry.	Danny Berger
Field Sheet-M54	SAMP	REP	dannyberger	11/15/2019 8:45	Rep. Not a sample.	Danny Berger

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREATED: 10/23/2019 16:32

DATE	TIME	SITE	Barometer (mmHg)	Temp (°C)	Cond (µS/cm)	Sp Cond (µS/cm)	nLFCCond (µS/cm)	Sal (ppt)	Sigma-T (s t)	Sigma (s)	pH	pH (mV)	ODO (% Sat)	ODO (mg/L)	ODO (% LocalB)
10/23/2019	10:16:31 AM	af57121	761.9	29.1	55868	51819.3	51375.2	33.96	21.3	21.3	7.82	-70.3	74.2	4.73	74.1
10/23/2019	10:17:54 AM	af57121	761.9	29.1	55873.3	51829.3	51385.7	33.97	21.3	21.3	7.82	-70.3	74.5	4.74	74.3
10/23/2019	10:43:18 AM	af57116	761.9	30	55504.4	50692.5	50158.7	33.1	20.3	20.3	7.8	-69.4	96	6.05	95.7
10/23/2019	10:44:54 AM	af57116	761.9	30	55603	50787.8	50253.6	33.18	20.4	20.4	7.8	-69.7	93.8	5.91	93.6
10/23/2019	11:07:50 AM	af57118	761.9	30.1	54744.3	49911.8	49375.1	32.53	19.9	19.9	7.89	-75.1	125.7	7.94	125.4
10/23/2019	11:08:55 AM	af57118	761.9	30	54654.6	49924.4	49399.7	32.54	19.9	19.9	7.86	-73.2	118.4	7.49	118.1
10/23/2019	11:24:10 AM	af57117	761.9	30.2	54798.2	49842.4	49291.1	32.47	19.8	19.8	7.75	-66.4	98	6.18	97.7
10/23/2019	11:25:20 AM	af57117	761.9	30.2	54952.7	49967.2	49412.4	32.56	19.8	19.8	7.72	-65.1	86.6	5.46	86.4
10/23/2019	11:41:29 AM	af57119	761.9	29.9	55492.1	50705	50174.1	33.12	20.3	20.3	7.74	-65.9	81.5	5.14	81.3
10/23/2019	11:43:19 AM	af57123	762	30	55499.4	50699.6	50167.2	33.11	20.3	20.3	7.75	-66.5	81.7	5.15	81.5
10/23/2019	12:06:50 PM	af57115	761.9	29.9	56449.4	51622.5	51087.5	33.79	20.9	20.9	7.82	-70.8	105.6	6.64	105.3
10/23/2019	12:08:03 PM	af57115	761.8	29.9	56458.8	51638.2	51104	33.8	20.9	20.9	7.84	-72	106.1	6.68	105.9



Collier County™

POLLUTION CONTROL

LIVE GREEN. SAVE BLUE.

www.LiveGreenSaveBlue.com

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

Collected by: CCPCD
Collection Date: 10/23/2019
Submittal Date: 10/23/2019 @ 13:59

Report Date : 11/4/2019
Report Time : 2:47:55PM

Project: MARCO
Report#: 1019_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.



Respectfully Submitted,

Nosbel Perez

Nosbel Perez
Laboratory Supervisor

ANALYTICAL RESULTS

Report # 1019_MRCO_I

<i>Location:</i> WINDMILL		<i>Field ID:</i> AF57109		<i>Lab ID:</i> AF57109		<i>Collect Date/Time:</i> 10/23/19 10:59				
<i>Analyte Name</i>	<i>Method</i>	<i>Result</i>	<i>Acceptable Limits</i>	<i>Qualifier</i>	<i>Units</i>	<i>MDL</i>	<i>PQL</i>	<i>DF</i>	<i>Analysis Date/Time</i>	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019	16:24
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.074	<0.046	I	mg/L	0.032	0.080	8	11/01/2019	13:52
Nitrogen- Total Kjeldahl	EPA 351.2	0.844			mg/L	0.230	0.500	1	10/31/2019	11:14
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/23/2019	15:15
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	10/23/2019	10:59
Dissolved Oxygen Saturation	FDEP FT1500	88.1	>42		%			1	10/23/2019	10:59
Nitrogen- Total	Nitrogen- Total	0.844	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	12.0	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	1.50			mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	4.8			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:35

ANALYTICAL RESULTS

Report # 1019_MRCO_I

<i>Location:</i> HOLLYHOCK		<i>Field ID:</i> AF57110		<i>Lab ID:</i> AF57110		<i>Collect Date/Time:</i> 10/23/19 11:20				
<i>Analyte Name</i>	<i>Method</i>	<i>Result</i>	<i>Acceptable Limits</i>	<i>Qualifier</i>	<i>Units</i>	<i>MDL</i>	<i>PQL</i>	<i>DF</i>	<i>Analysis Date/Time</i>	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019	16:24
Enterococci	Enterolert/QT	41	<130		MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.105	<0.046		mg/L	0.032	0.080	8	11/01/2019	14:01
Nitrogen- Total Kjeldahl	EPA 351.2	0.778			mg/L	0.230	0.500	1	10/31/2019	11:11
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/23/2019	15:22
pH	FDEP FT1100	7.6	6.5 - 8.5		SU			1	10/23/2019	11:20
Dissolved Oxygen Saturation	FDEP FT1500	68.8	>42		%			1	10/23/2019	11:20
Nitrogen- Total	Nitrogen- Total	0.778	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	24.1	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	1.10			mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	4.2			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:38

ANALYTICAL RESULTS

Report # 1019_MRCO_I

<i>Location:</i> HUMMINGBIRD		<i>Field ID:</i> AF57111		<i>Lab ID:</i> AF57111		<i>Collect Date/Time:</i> 10/23/19 11:43				
<i>Analyte Name</i>	<i>Method</i>	<i>Result</i>	<i>Acceptable Limits</i>	<i>Qualifier</i>	<i>Units</i>	<i>MDL</i>	<i>PQL</i>	<i>DF</i>	<i>Analysis Date/Time</i>	

CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019	16:24
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.079	<0.046	I	mg/L	0.032	0.080	8	11/01/2019	14:05
Nitrogen- Total Kjeldahl	EPA 351.2	1.14			mg/L	0.230	0.500	1	10/31/2019	11:03
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/23/2019	15:24
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	10/23/2019	11:43
Dissolved Oxygen Saturation	FDEP FT1500	107.7	>42		%			1	10/23/2019	11:43
Nitrogen- Total	Nitrogen- Total	1.14	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	13.9	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	1.5			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:39

ANALYTICAL RESULTS

Report # 1019_MRCO_I

Location: MCILVAINE		Field ID: AF57112		Lab ID: AF57112		Collect Date/Time: 10/23/19 10:30				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019	16:24
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.055	<0.046	I	mg/L	0.032	0.080	8	11/01/2019	14:08
Nitrogen- Total Kjeldahl	EPA 351.2	0.685			mg/L	0.230	0.500	1	10/31/2019	11:15
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/23/2019	15:27
pH	FDEP FT1100	8.0	6.5 - 8.5		SU			1	10/23/2019	10:30
Dissolved Oxygen Saturation	FDEP FT1500	105.5	>42		%			1	10/23/2019	10:30
Nitrogen- Total	Nitrogen- Total	0.685	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	6.5	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	3.3			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:40

ANALYTICAL RESULTS

Report # 1019_MRCO_I

Location: E_WINTERBERRY_BRIDGE		Field ID: AF57113		Lab ID: AF57113		Collect Date/Time: 10/23/19 12:04				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019	16:24
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019	15:39

Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.071	<0.046	I	mg/L	0.032	0.080	8	11/01/2019	14:11
Nitrogen- Total Kjeldahl	EPA 351.2	0.842			mg/L	0.230	0.500	1	10/31/2019	11:13
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/23/2019	15:29
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	10/23/2019	12:04
Dissolved Oxygen Saturation	FDEP FT1500	106.7	>42		%			1	10/23/2019	12:04
Nitrogen- Total	Nitrogen- Total	0.842	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	9.3	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	2.40			mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	3.5			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:41

ANALYTICAL RESULTS

Report # 1019_MRCO_I

Location: W_WINTERBERRY_BRIDGE		Field ID: AF57114		Lab ID: AF57114		Collect Date/Time: 10/23/19 10:05				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019 16:24	
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019 15:39	
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019 09:15	
Phosphorus- Total	EPA 200.8	0.080	<0.046		mg/L	0.032	0.080	8	11/01/2019 14:14	
Nitrogen- Total Kjeldahl	EPA 351.2	0.893			mg/L	0.230	0.500	1	10/31/2019 11:08	
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/23/2019 15:32	
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	10/23/2019 10:05	
Dissolved Oxygen Saturation	FDEP FT1500	90.2	>42		%			1	10/23/2019 10:05	
Nitrogen- Total	Nitrogen- Total	0.893	<0.3		mg/L	0.230	0.500	1	10/31/2019 15:41	
Chlorophyll a	SM 10200 H	10.4	<4.9		mg/m3	1.00	1.00	1	11/01/2019 10:15	
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019 14:48	
Pheophytin	SM 10200 H	2.20			mg/m3	1.00	1.00	1	11/01/2019 10:15	
Turbidity	SM 2130 B	4.6			NTU	0.10	0.50	1	10/24/2019 13:14	
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019 11:01	
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019 16:42	

ANALYTICAL RESULTS

Report # 1019_MRCO_II

Location: BARFIELD_BRIDGE		Field ID: AF57115		Lab ID: AF57115		Collect Date/Time: 10/23/19 12:06				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019 16:24	
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019 15:39	
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019 09:15	
Phosphorus- Total	EPA 200.8	0.065	<0.046	I	mg/L	0.032	0.080	8	11/01/2019 14:17	

Nitrogen- Total Kjeldahl	EPA 351.2	0.795		mg/L	0.230	0.500	1	10/31/2019	11:30
Nitrate-Nitrite (N)	EPA 353.2	0.011		U mg/L	0.011	0.020	1	10/23/2019	15:34
pH	FDEP FT1100	7.8	6.5 - 8.5	SU			1	10/23/2019	12:06
Dissolved Oxygen Saturation	FDEP FT1500	105.3	>42	%			1	10/23/2019	12:06
Nitrogen- Total	Nitrogen- Total	0.795	<0.3	mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	14.3	<4.9	mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed					1	10/24/2019	14:48
Pheophytin	SM 10200 H	2.60		mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	5.1		NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete					1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U mg/L	0.002	0.005	1	10/23/2019	16:43

ANALYTICAL RESULTS

Report # 1019_MRCO_II

<i>Location:</i> JH_PARK		<i>Field ID:</i> AF57116		<i>Lab ID:</i> AF57116		<i>Collect Date/Time:</i> 10/23/19 10:43			
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time
CC-Nitrate-N	CC-Nitrate-N	0.014		I	mg/L	0.011	0.020	1	10/24/2019 16:24
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	10/23/2019 15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019 09:15
Phosphorus- Total	EPA 200.8	0.070	<0.046	I	mg/L	0.032	0.080	8	11/01/2019 14:20
Nitrogen- Total Kjeldahl	EPA 351.2	0.751			mg/L	0.230	0.500	1	10/31/2019 11:36
Nitrate-Nitrite (N)	EPA 353.2	0.014		I	mg/L	0.011	0.020	1	10/23/2019 15:37
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	10/23/2019 10:43
Dissolved Oxygen Saturation	FDEP FT1500	95.7	>42		%			1	10/23/2019 10:43
Nitrogen- Total	Nitrogen- Total	0.765	<0.3		mg/L	0.230	0.500	1	10/31/2019 15:41
Chlorophyll a	SM 10200 H	10.9	<4.9		mg/m3	1.00	1.00	1	11/01/2019 10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019 14:48
Pheophytin	SM 10200 H	2.30			mg/m3	1.00	1.00	1	11/01/2019 10:15
Turbidity	SM 2130 B	3.2			NTU	0.10	0.50	1	10/24/2019 13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019 11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019 16:44

ANALYTICAL RESULTS

Report # 1019_MRCO_II

<i>Location:</i> COLLIER_BRIDGE		<i>Field ID:</i> AF57117		<i>Lab ID:</i> AF57117		<i>Collect Date/Time:</i> 10/23/19 11:24			
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019 16:24
Enterococci	Enterolert/QT	20	<130		MPN/100 mL	10	10	10	10/23/2019 15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019 09:15
Phosphorus- Total	EPA 200.8	0.078	<0.046	I	mg/L	0.032	0.080	8	11/01/2019 14:24
Nitrogen- Total Kjeldahl	EPA 351.2	0.787			mg/L	0.230	0.500	1	10/31/2019 11:29
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/23/2019 15:44

pH	FDEP FT1100	7.8	6.5 - 8.5	SU				1	10/23/2019	11:24
Dissolved Oxygen Saturation	FDEP FT1500	97.7	>42	%				1	10/23/2019	11:24
Nitrogen- Total	Nitrogen- Total	0.787	<0.3	mg/L	0.230	0.500		1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	7.8	<4.9	mg/m3	1.00	1.00		1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	1.70		mg/m3	1.00	1.00		1	11/01/2019	10:15
Turbidity	SM 2130 B	1.8		NTU	0.10	0.50		1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U mg/L	0.002	0.005		1	10/23/2019	16:47

ANALYTICAL RESULTS

Report # 1019_MRCO_II

<i>Location:</i> HC_CENTER		<i>Field ID:</i> AF57118		<i>Lab ID:</i> AF57118		<i>Collect Date/Time:</i> 10/23/19 11:07				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019	16:24
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.070	<0.046	I	mg/L	0.032	0.080	8	11/01/2019	14:43
Nitrogen- Total Kjeldahl	EPA 351.2	0.935			mg/L	0.230	0.500	1	10/31/2019	11:32
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/23/2019	15:46
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	10/23/2019	11:07
Dissolved Oxygen Saturation	FDEP FT1500	125.4	>42		%			1	10/23/2019	11:07
Nitrogen- Total	Nitrogen- Total	0.935	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	8.7	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	3.80			mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	2.3			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:48

ANALYTICAL RESULTS

Report # 1019_MRCO_II

<i>Location:</i> KENDALL		<i>Field ID:</i> AF57119		<i>Lab ID:</i> AF57119		<i>Collect Date/Time:</i> 10/23/19 11:41				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.018		I	mg/L	0.011	0.020	1	10/24/2019	16:24
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.092	<0.046		mg/L	0.032	0.080	8	11/01/2019	14:52
Nitrogen- Total Kjeldahl	EPA 351.2	0.828			mg/L	0.230	0.500	1	10/31/2019	11:33
Nitrate-Nitrite (N)	EPA 353.2	0.018		I	mg/L	0.011	0.020	1	10/24/2019	15:11
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	10/23/2019	11:41
Dissolved Oxygen Saturation	FDEP FT1500	81.3	>42		%			1	10/23/2019	11:41

Nitrogen- Total	Nitrogen- Total	0.846	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	9.5	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	2.40			mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	5.4			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:50

ANALYTICAL RESULTS

Report # 1019_MRCO_I

Location: SWALLOW		Field ID: AF57120		Lab ID: AF57120		Collect Date/Time: 10/23/19 12:30			
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time
CC-Nitrate-N	CC-Nitrate-N	0.037			mg/L	0.011	0.020	1	10/24/2019 16:24
Enterococci	Enterolert/QT	63	<130		MPN/100 mL	10	10	10	10/23/2019 15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019 09:15
Phosphorus- Total	EPA 200.8	0.103	<0.046		mg/L	0.032	0.080	8	11/01/2019 14:55
Nitrogen- Total Kjeldahl	EPA 351.2	0.718			mg/L	0.230	0.500	1	10/31/2019 11:34
Nitrate-Nitrite (N)	EPA 353.2	0.040			mg/L	0.011	0.020	1	10/24/2019 15:19
pH	FDEP FT1100	8.0	6.5 - 8.5		SU			1	10/23/2019 12:30
Dissolved Oxygen Saturation	FDEP FT1500	118.5	>42		%			1	10/23/2019 12:30
Nitrogen- Total	Nitrogen- Total	0.758	<0.3		mg/L	0.230	0.500	1	10/31/2019 15:41
Chlorophyll a	SM 10200 H	6.7	<4.9		mg/m3	1.00	1.00	1	11/01/2019 10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019 14:48
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/01/2019 10:15
Turbidity	SM 2130 B	2.1			NTU	0.10	0.50	1	10/24/2019 13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019 11:01
Nitrite (N)	SM 4500-NO2 B	0.003		I	mg/L	0.002	0.005	1	10/23/2019 16:53

ANALYTICAL RESULTS

Report # 1019_MRCO_II

Location: OLDE_MARCO		Field ID: AF57121		Lab ID: AF57121		Collect Date/Time: 10/23/19 10:16			
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019 16:24
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	10/23/2019 15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019 09:15
Phosphorus- Total	EPA 200.8	0.076	<0.046	I	mg/L	0.032	0.080	8	11/01/2019 14:58
Nitrogen- Total Kjeldahl	EPA 351.2	0.728			mg/L	0.230	0.500	1	10/31/2019 14:00
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/24/2019 15:21
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	10/23/2019 10:16
Dissolved Oxygen Saturation	FDEP FT1500	74.1	>42		%			1	10/23/2019 10:16
Nitrogen- Total	Nitrogen- Total	0.728	<0.3		mg/L	0.230	0.500	1	10/31/2019 15:41
Chlorophyll a	SM 10200 H	7.3	<4.9		mg/m3	1.00	1.00	1	11/01/2019 10:15

Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	2.50			mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	11			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:54

ANALYTICAL RESULTS

Report # 1019_MRCO_I

<i>Location:</i> LANDMARK		<i>Field ID:</i> AF57122		<i>Lab ID:</i> AF57122		<i>Collect Date/Time:</i> 10/23/19 09:35				
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	10/24/2019	16:24
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.066	<0.046	I	mg/L	0.032	0.080	8	11/01/2019	15:02
Nitrogen- Total Kjeldahl	EPA 351.2	1.17			mg/L	0.230	0.500	1	10/31/2019	11:10
Nitrate-Nitrite (N)	EPA 353.2	0.013		I	mg/L	0.011	0.020	1	10/24/2019	15:23
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	10/23/2019	09:35
Dissolved Oxygen Saturation	FDEP FT1500	79.8	>42		%			1	10/23/2019	09:35
Nitrogen- Total	Nitrogen- Total	1.18	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	3.0	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	0.65			NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:55

ANALYTICAL RESULTS

Report # 1019_MRCO_II

<i>Location:</i> DUP1		<i>Field ID:</i> AF57123		<i>Lab ID:</i> AF57123		<i>Collect Date/Time:</i> 10/23/19 11:43				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.014		I	mg/L	0.011	0.020	1	10/24/2019	16:25
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						8	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.085	<0.046		mg/L	0.032	0.080	8	11/01/2019	15:05
Nitrogen- Total Kjeldahl	EPA 351.2	0.806			mg/L	0.230	0.500	1	10/31/2019	11:20
Nitrate-Nitrite (N)	EPA 353.2	0.014		I	mg/L	0.011	0.020	1	10/24/2019	15:26
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	10/23/2019	11:43
Dissolved Oxygen Saturation	FDEP FT1500	81.5	>42		%			1	10/23/2019	11:43
Nitrogen- Total	Nitrogen- Total	0.820	<0.3		mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	8.8	<4.9		mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	2.00			mg/m3	1.00	1.00	1	11/01/2019	10:15

Turbidity	SM 2130 B	5.7		NTU	0.10	0.50	1	10/24/2019	13:14	
Digestion for TKN	SM 4500 NorgD	Complete					1	10/30/2019	11:01	
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:58

ANALYTICAL RESULTS

Report # 1019_MRCO_I

<i>Location:</i> FCEB_MARCO		<i>Field ID:</i> AF57124		<i>Lab ID:</i> AF57124		<i>Collect Date/Time:</i> 10/23/19 09:43				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019	16:25
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						1	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.004	<0.046	U	mg/L	0.004	0.010	1	11/01/2019	15:14
Nitrogen- Total Kjeldahl	EPA 351.2	0.230		U	mg/L	0.230	0.500	1	10/31/2019	11:07
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/24/2019	15:28
pH	FDEP FT1100	NA	6.5 - 8.5		SU			1	10/23/2019	09:43
Dissolved Oxygen Saturation	FDEP FT1500	NA	>42		%			1	10/23/2019	09:43
Nitrogen- Total	Nitrogen- Total	0.230	<0.3	U	mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	0.10		U	NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	10/23/2019	16:59

ANALYTICAL RESULTS

Report # 1019_MRCO_II

<i>Location:</i> EB_MARCO		<i>Field ID:</i> AF57125		<i>Lab ID:</i> AF57125		<i>Collect Date/Time:</i> 10/23/19 10:06				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		U	mg/L	0.011	0.020	1	10/24/2019	16:25
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	10/23/2019	15:39
Digestion for Metals	EPA 200.8	Completed						1	10/31/2019	09:15
Phosphorus- Total	EPA 200.8	0.004	<0.046	U	mg/L	0.004	0.010	1	11/01/2019	15:11
Nitrogen- Total Kjeldahl	EPA 351.2	0.230		U	mg/L	0.230	0.500	1	10/31/2019	11:21
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	10/24/2019	15:31
pH	FDEP FT1100	NA	6.5 - 8.5		SU			1	10/23/2019	10:06
Dissolved Oxygen Saturation	FDEP FT1500	NA	>42		%			1	10/23/2019	10:06
Nitrogen- Total	Nitrogen- Total	0.230	<0.3	U	mg/L	0.230	0.500	1	10/31/2019	15:41
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	11/01/2019	10:15
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	10/24/2019	14:48
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/01/2019	10:15
Turbidity	SM 2130 B	0.10		U	NTU	0.10	0.50	1	10/24/2019	13:14
Digestion for TKN	SM 4500 NorgD	Complete						1	10/30/2019	11:01

Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.005	1	10/23/2019	17:00
-------------	---------------	-------	---	------	-------	-------	---	------------	-------