



Collier County™

POLLUTION CONTROL

LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Monday, November 4, 2019

Sampler: Kamila Perez

Meter/Notes: Geoff Rosenaw



Certificate No

[4262.01](#)

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

CCV: Morning		Sonde / Handheld	ProDSS #9	Serial #:	18E104142	
Date/Time:	11/4/19 7:19 AM	Operator:	Geoff Rosenaw	Project:	MARCO	
*** Conductivity ***					Associated Calibration File:	
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail	Calibration_9_110119		
2000	11587	1958	Pass			
*** pH ***						
pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail			
4.00	12186	4.02	Pass			
7.00				All CCV Results Pass?		
10.00				Yes		
*** Dissolved Oxygen ***						
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	8.53	99.9	23.2	Pass	8.575	762.6
Notes:						
CCV: Afternoon		Date/Time:	11/4/2019 13:31	Operator:	Danny Berger	
*** Conductivity ***						
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail			
1000	12297	997	Pass			
70000	12490	68806	Pass			
*** pH ***						
pH (QA Criteria +.2)	CDI#	Reading	Pass/Fail			
4.00	12186	4.18	Pass			
7.00				All CCV Results Pass?		
10.00	12635	10.03	Pass	Yes		
*** Dissolved Oxygen ***						
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	7.85	99.7	27.6	Pass	7.895	761.4
Notes:						
Surface Water Field Workbook Rev 15.9 Effective October 25th, 2019						

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

MARCO_I_110419
3 of 10

Program: MARCO

Run: I

Sample Collector: Kamila Perez

Meter / Notes: Geoff Rosenaw

Date: 11/4/2019

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)
AF57484	9:13	LANDMARK	28.9	50905	33.30	63.9	4.12	7.18	0.30		1.90	1.90
AF57484B	9:16	LANDMARK	29.1	51237	33.53	61.7	3.95	7.78	1.60		1.90	1.90
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol: J			Flow: [REDACTED]		Staff Gauge:		pH < 2:		YES
Comments: Dead fish present at sampling site. Strong odor. No visible tidal movement however adjacent storm drain discharging.											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)
AF57476	9:39	W_WINTERBERRY_BRIDGE	28.8	51015	33.38	73.4	4.74	7.85	0.30		0.70	0.70
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol: J			Flow: [REDACTED]		Staff Gauge:		pH < 2:		YES
Comments: Strong odor of mothballs adjacent to 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)
AF57474	10:02	MCILVAINE	28.3	51487	33.74	81.5	5.29	7.95	0.30		0.70	0.70
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol: J			Flow: [REDACTED]		Staff Gauge:		pH < 2:		YES
Comments: Visible outgoing tide. Construction site upstream of site with silt fence that has been knocked down.											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)
AF57471	10:47	WINDMILL	29.5	50204	32.76	92.8	5.94	7.86	0.30		2.60	1.20
AF57471B	10:49	WINDMILL	29.5	50205	32.76	91.3	5.84	7.87	2.30		2.60	1.20
Collection Device	Pole Sampler; CDI: 11852		Cleaning Protocol: J			Flow: [REDACTED]		Staff Gauge:		pH < 2:		YES
Comments: Grass clippings in water. Visible 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:	Low 90s. Sunny. No rain.	
Sampling SOP:	FSQM 03-03	24 HRS Prior Weather:	Similar. No Rain	

Prepared By: **Geoff Rosenaw** Signed: 11/4/2019 2:02:42 PM

Reviewed By: **Kamila Diddle** Signed: 11/4/2019 2:03:05 PM

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

MARCO_I_110419
4 of 10

Program: MARCO

Run: I

Sample Collector: Kamila Perez

Meter / Notes: Geoff Rosenaw

Date: 11/4/2019

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)
AF57473	11:11	HUMMINGBIRD	29.1	49901	32.55	66.7	4.30	7.69	0.30		1.30	1.30
Collection Device:		Pole Sampler; CDI: 11852		Cleaning Protocol: J		Flow:		Staff Gauge:		pH < 2:		YES
Comments: Grass clipping covering surface of water by the time last sample bottle was collected. One photo taken. 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)
AF57486	11:19	HUMMINGBIRD										
Collection Device:		Sample Container		Cleaning Protocol:		Flow:		Staff Gauge:		pH < 2:		YES
Comments: FB taken from CDI 10967.											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)
AF57472	11:40	HOLLYHOCK	29.3	50784	33.19	76.6	4.90	7.66	0.30		1.30	1.30
Collection Device:		Pole Sampler; CDI: 11852		Cleaning Protocol: J		Flow:		Staff Gauge:		pH < 2:		YES
Comments: No visible tidal movement however tidal report indicates tide is still outgoing.											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)
AF57475	12:01	E_WINTERBERRY_BRIDGE	29.7	51336	33.59	85.5	5.43	7.92	0.30		1.40	1.40
Collection Device:		Pole Sampler; CDI: 11852		Cleaning Protocol: J		Flow:		Staff Gauge:		pH < 2:		YES
Comments: Iguana feces surrounding site. Strong odor present. Tide appears to be low slack.											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:	Low 90s. Sunny. No rain.	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar. No Rain	

Prepared By: Geoff Rosenaw

Reviewed By: Kamila Diddle

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

MARCO_I_110419
5 of 10

Program: MARCO

Run: I

Sample Collector: Kamila Perez

Meter / Notes: Geoff Rosenaw

Date: 11/4/2019

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)
AF57482	12:26	SWALLOW	29.2	49589	32.32	59.1	3.80	7.83	0.30		1.30	1.30
Collection Device		Pole Sampler; CDI: 11852		Cleaning Protocol:			Flow:			Staff Gauge:		pH < 2: YES
Comments: Culvert discharging at sample 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)
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:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Low 90s. Sunny. No rain.	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar. No Rain	

Prepared By: Geoff Rosenaw

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: Geoff Rosenaw

Date: 11/4/2019

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:	Low 90s. Sunny. No rain.	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Similar. No Rain	

Prepared By: Geoff Rosenaw

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
1G 1000mL HDPE/Ice	73367					
2C 1L Opaque HDPE/Light-shielded/Ice	AF57304					
3S 125ml HDPE/H2SO4/Ice	CDI 13022	8 drops	RP 13763	Fisher	11/4/2019	GR, KP
4F 60ml Opaque HDPE/Filtered/Ice	AF55337					
5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI 12144					
6N 250ml HDPE/H2SO4	CDI 10486	16 drops	RP 13763	Fisher	11/4/2019	GR, KP
14 Whatman Polydisc GW 0.45µm	A17569268					

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

Received By: (Signature) _____
 Date/Time: 11/4/19 2:07 PM
Relinquished By: (Signature) _____
 Date/Time: 11/4/19 2:07 PM
Received By: (Signature) _____
 Date/Time: _____

Parameters											Sample Check-In		
Turbidity-PC	Chlorophyll-PC, Pheophytin-PC, Prep-Chloro	Nitrogen-TKN-PC, Prep-TKN	Nitrite-PC, Nitrate-Nitrite-PC	Enterolert-PC	Phosphorus-CP-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?		
1G	2C	3S	4F	5J	6N	Calc						Scanned?	

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	# of sample Containers Submitted											Lab ID #								
11/4/2019	9:13	7.18	50905	0.30	LANDMARK	SW	1	1	1	1	1	1														AF57484
11/4/2019	9:39	7.85	51015	0.30	W_WINTERBERRY_BRIDGE	SW	1	1	1	1	1	1														AF57476
11/4/2019	10:02	7.95	51487	0.30	MCILVAINE	SW	1	1	1	1	1	1														AF57474
11/4/2019	10:47	7.86	50204	0.30	WINDMILL	SW	1	1	1	1	1	1														AF57471
11/4/2019	11:11	7.69	49901	0.30	HUMMINGBIRD	SW	1	1	1	1	1	1														AF57473
11/4/2019	11:19	#N/A	#N/A	#N/A	HUMMINGBIRD	SW	1	1	1	1	1	1														AF57486
11/4/2019	11:40	7.66	50784	0.30	HOLLYHOCK	SW	1	1	1	1	1	1														AF57472
11/4/2019	12:01	7.92	51336	0.30	E_WINTERBERRY_BRIDGE	SW	1	1	1	1	1	1														AF57475
11/4/2019	12:26	7.83	49589	0.30	SWALLOW	SW	1	1	1	1	1	1														AF57482

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-A6		1000	2000 Sampler	11/4/2019 7:24	Incorrect initial entry.	Geoff Rosenaw
Calibration-D10	4,		4.02 Sampler	11/4/2019 7:30	Incorrect initial entry.	Geoff Rosenaw
Field Sheet-B8	Dead fish present at sampling site. Strong odor.	Dead fish present at sampling site. Strong odor. No visible tidal movement however adjacent storm drain discharging.	Sampler	11/4/2019 9:22	Incorrect initial entry.	Geoff Rosenaw
Field Sheet-L5		9:36:00 PM	1.9 Sampler	11/4/2019 9:48	Incorrect initial entry.	Geoff Rosenaw
Field Sheet-B47	CDI 10967	FB taken from CDI 10967.	Sampler	11/4/2019 11:20	Incorrect initial entry.	Geoff Rosenaw
Field Sheet-B61	Iguana feces surrounding site. Strong odor present.	Iguana feces surrounding site. Strong odor present. Tide appears to be low slack.	Sampler	11/4/2019 12:08	Incorrect initial entry.	Geoff Rosenaw
Field Sheet-B5		0.384722222	0.384027778 Sampler	11/4/2019 13:51	Incorrect initial entry.	Danny Berger
Chain of Custody-H9	CDI 10486	CDI 13022	Sampler	11/4/2019 13:55	Incorrect initial entry.	Danny Berger
Field Sheet-B15	Stong odor of mothballs adjacent to site (540 S Heathwood Dr). Visible outgoing tide.	Stong odor of mothballs adjacent to site. Visible outgoing tide.	PCL	11/4/2019 14:02	removed address	Danny Berger
Field Sheet-B15	Stong odor of mothballs adjacent to site. Visible outgoing tide.	Stong odor of mothballs adjacent to site. Visible outgoing tide.	PCL	11/4/2019 14:02	Incorrect initial entry.	Danny Berger
Data Export-X:X			joshuagravlin	12/11/2019 8:22		Joshua Gravlin
Data Export-A2:W70			joshuagravlin	12/11/2019 8:22		Joshua Gravlin
Data Export-A2:X70			joshuagravlin	12/11/2019 8:26		Joshua Gravlin

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREATED: 11/4/2019 18:50

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)
11/4/2019	10:12:15 AM	smb	764	28.6	50867.3	33064	33.28	6.33	3.8	65.8	4.24	65.5
11/4/2019	9:13:23 AM	af57484	764	28.9	50905.4	33089	33.3	7.18	-45.9	64.2	4.12	63.9
11/4/2019	9:16:09 AM	af57484	764	29.1	51237.3	33304	33.53	7.78	-81.1	62	3.95	61.7
11/4/2019	9:39:57 AM	af57476	764	28.8	51014.6	33159	33.38	7.85	-85.2	73.8	4.74	73.4
11/4/2019	10:02:59 AM	af57474	764.1	28.3	51487	33467	33.74	7.95	-90.7	82	5.29	81.5
11/4/2019	10:47:20 AM	af57471	763.8	29.5	50204.3	32633	32.76	7.86	-85.9	93.3	5.94	92.8
11/4/2019	10:49:03 AM	af57471	763.9	29.5	50205.4	32634	32.76	7.87	-86.4	91.8	5.84	91.3
11/4/2019	11:11:28 AM	af57473	763.7	29.1	49900.9	32436	32.55	7.69	-75.8	67	4.3	66.7
11/4/2019	11:40:57 AM	af57472	763.6	29.3	50784.4	33010	33.19	7.66	-74	77	4.9	76.6
11/4/2019	12:01:58 PM	af54775	763.4	29.7	51335.5	33368	33.59	7.92	-89	85.9	5.43	85.5
11/4/2019	12:26:52 PM	af57482	763.1	29.2	49589.1	32233	32.32	7.83	-83.6	59.3	3.8	59.1



Collier County™

POLLUTION CONTROL

LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Monday, November 4, 2019

Sampler: Danny Berger

Meter/Notes: Chris Lienhardt



Certificate No

[4262.01](#)

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

CCV: Morning		Sonde / Handheld	ProDSS #11	Serial #:	19E104158		
Date/Time:	11/4/19 7:21 AM	Operator:	Geoff Rosenaw	Project:	MARCO		
*** Conductivity ***					Associated Calibration File:		
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail	Calibration_11_110119.xlsm			
10000	10547	9963	Pass				
*** pH ***							
pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail				
4.00	12186	4.04	Pass				
7.00				All CCV Results Pass?			
10.00				Yes			
*** Dissolved Oxygen ***							
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure	
CCV Readings --->	8.43	98.5	23.2	Pass	8.561	761.3	
Notes:							
CCV: Afternoon							
Date/Time:	11/4/2019 11:59	Operator:	Chris Lienhardt				
*** Conductivity ***					Associated Calibration File:		
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail	Calibration_11_110119.xlsm			
10000	10547	10097	Pass				
70000	12490	69527	Pass				
*** pH ***							
pH (QA Criteria +.2)	CDI#	Reading	Pass/Fail				
4.00							
7.00	13182	7.05	Pass				
10.00	12635	9.98	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 --->	8.49	99.6	23.3	Pass	8.546	761.4	
Notes:							
Surface Water Field Workbook Rev 15.9 Effective October 25th, 2019							

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: II

Sample Collector: Danny Berger

Meter / Notes: Chris Lienhardt

Date: 11/4/2019

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)
AF57483	8:53	OLDE_MARCO	27.8	52189	34.28	78.6	5.12	7.90	0.30		1.70	1.50
AF57483B	8:55	OLDE_MARCO	27.8	52209	34.29	80.4	5.24	7.91	1.40		1.70	1.50
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow: [REDACTED]		Staff Gauge:		pH < 2: YES		
Comments: Tide chart shows outgoing until 12:14.											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)
AF57487	9:02	OLDE_MARCO										
Collection Device	Sample Container		Cleaning Protocol: [REDACTED]			Flow: [REDACTED]		Staff Gauge: [REDACTED]		pH < 2: YES		
Comments: FB taken from CDI09208 carboy.											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)
AF57478	9:33	JH_PARK	29.0	50166	32.75	71.1	4.58	7.67	0.30		3.40	1.60
AF57478B	9:35	JH_PARK	29.0	50556	33.04	71.7	4.62	7.70	3.10		3.40	1.60
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow: [REDACTED]		Staff Gauge:		pH < 2: YES		
Comments: Tide chart shows outgoing until 12:14. Multiple boats passed during sampling.											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)
AF57485	9:37	JH_PARK	29.0	50316	32.86	70.9	4.56	7.70	0.30		3.40	1.60
AF57485B	9:39	JH_PARK	29.0	50543	33.03	71.5	4.60	7.71	3.10		3.40	1.60
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow: [REDACTED]		Staff Gauge:		pH < 2: YES		
Comments: Tide chart shows outgoing until 12:14. Multiple boats passed during sampling.											Sample Type:	REP

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

Prepared By: Christopher Lienhardt

Signed:
11/18/2019
2:54:14 PM

Reviewed By: Danny Berger

Signed: 11/4/2019
12:37:09 PM

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: II

Sample Collector: Danny Berger

Meter / Notes: Chris Lienhardt

Date: 11/4/2019

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)
AF57480	10:06	HC_CENTER	29.3	50333	32.86	88.4	5.67	7.75	0.30		1.50	1.50
AF57480B	10:08	HC_CENTER	28.9	50316	32.86	76.0	4.90	7.69	1.20		1.50	1.50
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow:		Staff Gauge:		pH < 2:	YES	
Comments:	Visibly 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)
AF57479	10:27	COLLIER_BRIDGE	29.3	50041	32.65	66.2	4.25	7.66	0.30		1.30	1.30
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow:		Staff Gauge:		pH < 2:	YES	
Comments:	Visibly 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)
AF57481	10:47	KENDALL	29.1	50235	32.80	65.2	4.19	7.66	0.30		0.75	0.75
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow:		Staff Gauge:		pH < 2:	YES	
Comments:	Visibly 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)
AF57477	11:12	BARFIELD_BRIDGE	28.8	50941	33.33	93.8	6.05	7.83	0.30		1.80	1.30
AF57477B	11:14	BARFIELD_BRIDGE	28.4	51571	33.80	83.5	5.40	7.84	1.50		1.80	1.30
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow:		Staff Gauge:		pH < 2:	YES	
Comments:	Visibly outgoing tide. One boat passed during sampling.										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:	Upper 80s and mostly sunny.	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Cooler with some scattered rain.	

Prepared By: Christopher Lienhardt

Reviewed By: Danny Berger

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: II

Sample Collector: Danny Berger

Meter / Notes: Chris Lienhardt

Date: 11/4/2019

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:	6 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Upper 80s and mostly sunny.	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Cooler with some scattered rain.	

Prepared By: Christopher Lienhardt

Reviewed By: Danny Berger

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: II

Sample Collector: Danny Berger

Meter / Notes: Chris Lienhardt

Date: 11/4/2019

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:	Upper 80s and mostly sunny.	
Sampling SOP Used:	FSQM 03-03	24 HRS Prior Weather:	Cooler with some scattered rain.	

Prepared By: Christopher Lienhardt

Reviewed By: Danny Berger



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
1G 1000mL HDPE/Ice	73367					
2C 1L Opaque HDPE/Light-shielded/Ice	AF57304					
3S 125ml HDPE/H2SO4/Ice	CDI13022	8 Drops	RP13762	Fisher	11/4/2019	CTL, DMB
4F 60ml Opaque HDPE/Filtered/Ice	AF55337					
5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI12144					
6N 250ml HDPE/H2SO4	CDI10487	16 Drops	RP13762	Fisher	11/4/2019	CTL, DMB
14 Whatman Polydisc GW 0.45µm	A17569268					

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

Received By: (Signature)	Date/Time	11/4/19 12:40 PM
Relinquished By: (Signature)	Date/Time	11/4/19 12:40 PM
Received By: (Signature)	Date/Time	

Parameters											Sample Check-In	
Turbidity-PC Chlorophyll-PC, Pheophytin-PC, Prep-Chloro Nitrogen-TKN-PC, Prep-TKN Nitrite-PC, Nitrate-Nitrite-PC Enterolert-PC Phosphorus-CP-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?	
											Logged In?	
Bottle Codes											Scanned?	

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	1G	2C	3S	4F	5J	6N	Calc	# of sample Containers Submitted					Lab ID #
11/4/2019	8:53	7.90	52189	0.30	OLDE MARCO	SW	1	1	1	1	1	1							AF57483
11/4/2019	9:02	#N/A	#N/A	#N/A	OLDE MARCO	SW	1	1	1	1	1	1							AF57487
11/4/2019	9:33	7.67	50166	0.30	JH PARK	SW	1	1	1	1	1	1							AF57478
11/4/2019	9:37	7.70	50316	0.30	REPLICATE	SW	1	1	1	1	1	1							AF57485
11/4/2019	10:06	7.75	50333	0.30	HC_CENTER	SW	1	1	1	1	1	1							AF57480
11/4/2019	10:27	7.66	50041	0.30	COLLIER_BRIDGE	SW	1	1	1	1	1	1							AF57479
11/4/2019	10:47	7.66	50235	0.30	KENDALL	SW	1	1	1	1	1	1							AF57481
11/4/2019	11:12	7.83	50941	0.30	BARFIELD_BRIDGE	SW	1	1	1	1	1	1							AF57477

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
Field Sheet-B5		9:53:00 AM	1/0/1900 Sampler	11/4/2019 9:02	Incorrect initial entry.	Geoff Rosenaw
Field Sheet-B6		0.413194444	0.371527778 Sampler	11/4/2019 9:03	Incorrect initial entry.	Geoff Rosenaw
Field Sheet-B22	To	Tide chart shows outgoing until 12:14.	Sampler	11/4/2019 9:49	more details	Geoff Rosenaw
Field Sheet-B22	To	Tide chart shows outgoing until 12:14.	Sampler	11/4/2019 9:49	more details	Geoff Rosenaw
Field Sheet-B22	To	Tide chart shows outgoing until 12:14.	Sampler	11/4/2019 9:49	more details	Geoff Rosenaw
Field Sheet-B22	Tide chart shows outgoing until 12:14.	Tide chart shows outgoing until 12:14. Multiple boats passed during sampling.	Sampler	11/4/2019 10:10	more details	Geoff Rosenaw
Field Sheet-B29	Tide chart shows outgoing until 12:14.	Tide chart shows outgoing until 12:14. Multiple boats passed during sampling.	Sampler	11/4/2019 10:11	more details	Geoff Rosenaw

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREATED: 11/4/2019 17:09

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)
11/4/2019	8:53:35 AM	af57483	762.9	27.8	54960.1	52189.4	51890.9	34.28	21.9	21.9	7.9	-77.3	78.9	5.12	78.6
11/4/2019	8:55:34 AM	af57483	762.8	27.8	54963	52209.1	51912.5	34.29	21.9	21.9	7.91	-77.6	80.7	5.24	80.4
11/4/2019	9:33:34 AM	af57483	762.9	29	54020.1	50165.7	49743.3	32.75	20.4	20.4	7.67	-63.6	71.4	4.58	71.1
11/4/2019	9:35:43 AM	af57483	762.9	29	54406.7	50555.5	50133.6	33.04	20.6	20.6	7.7	-65.3	72	4.62	71.7
11/4/2019	9:37:01 AM	af57485	762.9	29	54182.4	50315.8	49892	32.86	20.5	20.5	7.7	-65.2	71.1	4.56	70.9
11/4/2019	9:39:05 AM	af57485	762.9	29	54398.8	50542.8	50120.4	33.03	20.6	20.6	7.71	-65.9	71.7	4.6	71.5
11/4/2019	10:06:33 AM	af57480	762.9	29.3	54422.1	50333.2	49883.8	32.86	20.4	20.4	7.75	-68.2	88.7	5.67	88.4
11/4/2019	10:08:06 AM	af57480	762.9	28.9	54105.8	50315.7	49900.8	32.86	20.5	20.5	7.69	-64.9	76.3	4.9	76
11/4/2019	10:27:51 AM	af57479	762.9	29.3	54133.8	50040.7	49590.5	32.65	20.2	20.2	7.66	-63.1	66.4	4.25	66.2
11/4/2019	10:47:47 AM	af57481	762.9	29.1	54196.1	50235.3	49800.6	32.8	20.4	20.4	7.66	-63.1	65.5	4.19	65.2
11/4/2019	11:12:05 AM	af57477	762.8	28.8	54619.4	50941.2	50539.4	33.33	20.9	20.9	7.83	-73.3	94.2	6.05	93.8
11/4/2019	11:14:09 AM	af57477	762.8	28.4	54902.6	51570.8	51208.8	33.8	21.4	21.4	7.84	-73.8	83.8	5.4	83.5



Collier County™

POLLUTION CONTROL

LIVE GREEN. SAVE BLUE.

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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: 11/04/2019
Submittal Date: 11/04/2019 @ 14:07

Report Date : 12/2/2019
Report Time : 10:18:08AM

Project: MARCO
Report#: 1119_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 # 1119_MRCO_I

<i>Location:</i> WINDMILL		<i>Field ID:</i> AF57471		<i>Lab ID:</i> AF57471		<i>Collect Date/Time:</i> 11/4/19 10:47				
<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	11/06/2019	15:09
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	11/04/2019	15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.076	<0.046	I	mg/L	0.032	0.080	8	11/20/2019	12:59
Nitrogen- Total Kjeldahl	EPA 351.2	0.819			mg/L	0.230	0.500	1	11/08/2019	10:27
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	11/05/2019	12:19
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	11/04/2019	10:47
Dissolved Oxygen Saturation	FDEP FT1500	92.8	>42		%			1	11/04/2019	10:47
Nitrogen- Total	Nitrogen- Total	0.819	<0.3		mg/L	0.230	0.500	1	11/18/2019	15:36
Chlorophyll a	SM 10200 H	11.3	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	1.20			mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	3.1			NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019	11:59
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019	13:34

ANALYTICAL RESULTS

Report # 1119_MRCO_I

<i>Location:</i> HOLLYHOCK		<i>Field ID:</i> AF57472		<i>Lab ID:</i> AF57472		<i>Collect Date/Time:</i> 11/4/19 11:40				
<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	11/06/2019	15:09
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	11/04/2019	15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.076	<0.046	I	mg/L	0.032	0.080	8	11/20/2019	13:08
Nitrogen- Total Kjeldahl	EPA 351.2	1.23			mg/L	0.230	0.500	1	11/08/2019	10:28
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	11/05/2019	12:26
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	11/04/2019	11:40
Dissolved Oxygen Saturation	FDEP FT1500	76.6	>42		%			1	11/04/2019	11:40
Nitrogen- Total	Nitrogen- Total	1.23	<0.3		mg/L	0.230	0.500	1	11/18/2019	15:36
Chlorophyll a	SM 10200 H	15.2	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	2.7			NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019	11:59
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019	13:37

ANALYTICAL RESULTS

Report # 1119_MRCO_I

<i>Location:</i> HUMMINGBIRD		<i>Field ID:</i> AF57473		<i>Lab ID:</i> AF57473		<i>Collect Date/Time:</i> 11/4/19 11:11				
<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	0.015		I	mg/L	0.011	0.020	1	11/06/2019	15:09
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	11/04/2019	15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.089	<0.046		mg/L	0.032	0.080	8	11/20/2019	13:11
Nitrogen- Total Kjeldahl	EPA 351.2	1.03			mg/L	0.230	0.500	1	11/08/2019	10:25
Nitrate-Nitrite (N)	EPA 353.2	0.015		I	mg/L	0.011	0.020	1	11/05/2019	12:28
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	11/04/2019	11:11
Dissolved Oxygen Saturation	FDEP FT1500	66.7	>42		%			1	11/04/2019	11:11
Nitrogen- Total	Nitrogen- Total	1.04	<0.3		mg/L	0.230	0.500	1	11/18/2019	15:36
Chlorophyll a	SM 10200 H	17.5	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	2.7			NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019	11:59
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019	13:38

ANALYTICAL RESULTS

Report # 1119_MRCO_I

Location: MCILVAINE		Field ID: AF57474		Lab ID: AF57474		Collect Date/Time: 11/4/19 10:02				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		I	mg/L	0.011	0.020	1	11/06/2019	15:09
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	11/04/2019	15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.060	<0.046	I	mg/L	0.032	0.080	8	11/20/2019	13:14
Nitrogen- Total Kjeldahl	EPA 351.2	0.570			mg/L	0.230	0.500	1	11/08/2019	10:23
Nitrate-Nitrite (N)	EPA 353.2	0.011		I	mg/L	0.011	0.020	1	11/05/2019	12:31
pH	FDEP FT1100	8.0	6.5 - 8.5		SU			1	11/04/2019	10:02
Dissolved Oxygen Saturation	FDEP FT1500	81.5	>42		%			1	11/04/2019	10:02
Nitrogen- Total	Nitrogen- Total	0.581	<0.3		mg/L	0.230	0.500	1	11/18/2019	15:36
Chlorophyll a	SM 10200 H	4.1	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	2.6			NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019	11:59
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019	13:39

ANALYTICAL RESULTS

Report # 1119_MRCO_I

Location: E_WINTERBERRY_BRIDGE		Field ID: AF57475		Lab ID: AF57475		Collect Date/Time: 11/4/19 12:01				
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	11/06/2019	15:09
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	11/04/2019	15:13

Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.081	<0.046		mg/L	0.032	0.080	8	11/20/2019	13:18
Nitrogen- Total Kjeldahl	EPA 351.2	0.975			mg/L	0.230	0.500	1	11/08/2019	10:24
Nitrate-Nitrite (N)	EPA 353.2	0.021			mg/L	0.011	0.020	1	11/05/2019	12:33
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	11/04/2019	12:01
Dissolved Oxygen Saturation	FDEP FT1500	85.5	>42		%			1	11/04/2019	12:01
Nitrogen- Total	Nitrogen- Total	0.996	<0.3		mg/L	0.230	0.500	1	11/18/2019	15:36
Chlorophyll a	SM 10200 H	9.8	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	3.3			NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019	11:59
Nitrite (N)	SM 4500-NO2 B	0.003		I	mg/L	0.002	0.005	1	11/05/2019	13:40

ANALYTICAL RESULTS

Report # 1119_MRCO_I

Location: W_WINTERBERRY_BRIDGE		Field ID: AF57476		Lab ID: AF57476		Collect Date/Time: 11/4/19 09:39				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.015		I	mg/L	0.011	0.020	1	11/06/2019 15:09	
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	11/04/2019 15:13	
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019 09:30	
Phosphorus- Total	EPA 200.8	0.076	<0.046	I	mg/L	0.032	0.080	8	11/20/2019 13:21	
Nitrogen- Total Kjeldahl	EPA 351.2	0.757			mg/L	0.230	0.500	1	11/08/2019 10:20	
Nitrate-Nitrite (N)	EPA 353.2	0.015		I	mg/L	0.011	0.020	1	11/05/2019 12:36	
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	11/04/2019 09:39	
Dissolved Oxygen Saturation	FDEP FT1500	73.4	>42		%			1	11/04/2019 09:39	
Nitrogen- Total	Nitrogen- Total	0.772	<0.3		mg/L	0.230	0.500	1	11/18/2019 15:36	
Chlorophyll a	SM 10200 H	6.6	<4.9		mg/m3	1.00	1.00	1	11/08/2019 13:34	
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019 14:20	
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/08/2019 13:34	
Turbidity	SM 2130 B	3.5			NTU	0.10	0.50	1	11/06/2019 07:40	
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019 11:59	
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019 13:41	

ANALYTICAL RESULTS

Report # 1119_MRCO_II

Location: BARFIELD_BRIDGE		Field ID: AF57477		Lab ID: AF57477		Collect Date/Time: 11/4/19 11:12				
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	11/06/2019 15:09	
Enterococci	Enterolert/QT	20	<130		MPN/100 mL	10	10	10	11/04/2019 15:13	
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019 09:30	
Phosphorus- Total	EPA 200.8	0.086	<0.046		mg/L	0.032	0.080	8	11/20/2019 13:24	

Nitrogen- Total Kjeldahl	EPA 351.2	0.716		mg/L	0.230	0.500	1	11/15/2019	11:48
Nitrate-Nitrite (N)	EPA 353.2	0.011		U mg/L	0.011	0.020	1	11/05/2019	12:38
pH	FDEP FT1100	7.8	6.5 - 8.5	SU			1	11/04/2019	11:12
Dissolved Oxygen Saturation	FDEP FT1500	93.8	>42	%			1	11/04/2019	11:12
Nitrogen- Total	Nitrogen- Total	0.716	<0.3	mg/L	0.230	0.500	1	11/15/2019	16:50
Chlorophyll a	SM 10200 H	9.8	<4.9	mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed					1	11/05/2019	14:20
Pheophytin	SM 10200 H	1.30		mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	3.9		NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete					1	11/14/2019	10:50
Nitrite (N)	SM 4500-NO2 B	0.002		U mg/L	0.002	0.005	1	11/05/2019	13:42

ANALYTICAL RESULTS

Report # 1119_MRCO_II

<i>Location:</i> JH_PARK		<i>Field ID:</i> AF57478		<i>Lab ID:</i> AF57478		<i>Collect Date/Time:</i> 11/4/19 09:33			
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	11/06/2019 15:09
Enterococci	Enterolert/QT	63	<130	J	MPN/100 mL	10	10	10	11/04/2019 15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019 09:30
Phosphorus- Total	EPA 200.8	0.070	<0.046	I	mg/L	0.032	0.080	8	11/20/2019 13:47
Nitrogen- Total Kjeldahl	EPA 351.2	0.812			mg/L	0.230	0.500	1	11/15/2019 11:38
Nitrate-Nitrite (N)	EPA 353.2	0.014		I	mg/L	0.011	0.020	1	11/05/2019 12:40
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	11/04/2019 09:33
Dissolved Oxygen Saturation	FDEP FT1500	71.1	>42		%			1	11/04/2019 09:33
Nitrogen- Total	Nitrogen- Total	0.826	<0.3		mg/L	0.230	0.500	1	11/15/2019 16:50
Chlorophyll a	SM 10200 H	7.6	<4.9		mg/m3	1.00	1.00	1	11/08/2019 13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019 14:20
Pheophytin	SM 10200 H	1.80			mg/m3	1.00	1.00	1	11/08/2019 13:34
Turbidity	SM 2130 B	4.5			NTU	0.10	0.50	1	11/06/2019 07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/14/2019 10:50
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019 13:43

ANALYTICAL RESULTS

Report # 1119_MRCO_II

<i>Location:</i> COLLIER_BRIDGE		<i>Field ID:</i> AF57479		<i>Lab ID:</i> AF57479		<i>Collect Date/Time:</i> 11/4/19 10:27			
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	11/06/2019 15:09
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	11/04/2019 15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019 09:30
Phosphorus- Total	EPA 200.8	0.076	<0.046	I	mg/L	0.032	0.080	8	11/20/2019 13:56
Nitrogen- Total Kjeldahl	EPA 351.2	0.671			mg/L	0.230	0.500	1	11/15/2019 11:45
Nitrate-Nitrite (N)	EPA 353.2	0.018		I	mg/L	0.011	0.020	1	11/05/2019 12:43

pH	FDEP FT1100	7.7	6.5 - 8.5	SU				1	11/04/2019	10:27
Dissolved Oxygen Saturation	FDEP FT1500	66.2	>42	%				1	11/04/2019	10:27
Nitrogen- Total	Nitrogen- Total	0.689	<0.3	mg/L	0.230	0.500		1	11/15/2019	16:50
Chlorophyll a	SM 10200 H	5.5	<4.9	mg/m3	1.00	1.00		1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	2.60		mg/m3	1.00	1.00		1	11/08/2019	13:34
Turbidity	SM 2130 B	2.9		NTU	0.10	0.50		1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/14/2019	10:50
Nitrite (N)	SM 4500-NO2 B	0.002		U mg/L	0.002	0.005		1	11/05/2019	13:44

ANALYTICAL RESULTS

Report # 1119_MRCO_II

Location: HC_CENTER		Field ID: AF57480		Lab ID: AF57480		Collect Date/Time: 11/4/19 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	11/06/2019	15:09
Enterococci	Enterolert/QT	20	<130		MPN/100 mL	10	10	10	11/04/2019	15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.064	<0.046	I	mg/L	0.032	0.080	8	11/20/2019	13:59
Nitrogen- Total Kjeldahl	EPA 351.2	0.675			mg/L	0.230	0.500	1	11/15/2019	11:44
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	11/05/2019	12:45
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	11/04/2019	10:06
Dissolved Oxygen Saturation	FDEP FT1500	88.4	>42		%			1	11/04/2019	10:06
Nitrogen- Total	Nitrogen- Total	0.675	<0.3		mg/L	0.230	0.500	1	11/15/2019	16:50
Chlorophyll a	SM 10200 H	10.0	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	2.10			mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	2.3			NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/14/2019	10:50
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019	13:45

ANALYTICAL RESULTS

Report # 1119_MRCO_II

Location: KENDALL		Field ID: AF57481		Lab ID: AF57481		Collect Date/Time: 11/4/19 10:47				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.019		IJ	mg/L	0.011	0.020	1	11/06/2019	15:09
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	11/04/2019	15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.084	<0.046		mg/L	0.032	0.080	8	11/20/2019	14:03
Nitrogen- Total Kjeldahl	EPA 351.2	1.12			mg/L	0.230	0.500	1	11/15/2019	11:46
Nitrate-Nitrite (N)	EPA 353.2	0.022			mg/L	0.011	0.020	1	11/05/2019	12:57
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	11/04/2019	10:47
Dissolved Oxygen Saturation	FDEP FT1500	65.2	>42		%			1	11/04/2019	10:47

Nitrogen- Total	Nitrogen- Total	1.14	<0.3		mg/L	0.230	0.500	1	11/15/2019	16:50
Chlorophyll a	SM 10200 H	6.7	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	1.60			mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	5.6			NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/14/2019	10:50
Nitrite (N)	SM 4500-NO2 B	0.003		IJ	mg/L	0.002	0.005	1	11/05/2019	13:49

ANALYTICAL RESULTS

Report # 1119_MRCO_I

Location: SWALLOW		Field ID: AF57482		Lab ID: AF57482		Collect Date/Time: 11/4/19 12:26				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.026			mg/L	0.011	0.020	1	11/06/2019	15:09
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	11/04/2019	15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.086	<0.046		mg/L	0.032	0.080	8	11/20/2019	14:06
Nitrogen- Total Kjeldahl	EPA 351.2	0.850			mg/L	0.230	0.500	1	11/08/2019	10:18
Nitrate-Nitrite (N)	EPA 353.2	0.028			mg/L	0.011	0.020	1	11/05/2019	13:05
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	11/04/2019	12:26
Dissolved Oxygen Saturation	FDEP FT1500	59.1	>42		%			1	11/04/2019	12:26
Nitrogen- Total	Nitrogen- Total	0.878	<0.3		mg/L	0.230	0.500	1	11/18/2019	15:36
Chlorophyll a	SM 10200 H	7.9	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	2.30			mg/m3	1.00	1.00	1	11/08/2019	13:34
Turbidity	SM 2130 B	4.0			NTU	0.10	0.50	1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019	11:59
Nitrite (N)	SM 4500-NO2 B	0.002		I	mg/L	0.002	0.005	1	11/05/2019	13:52

ANALYTICAL RESULTS

Report # 1119_MRCO_II

Location: OLDE_MARCO		Field ID: AF57483		Lab ID: AF57483		Collect Date/Time: 11/4/19 08:53				
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	11/06/2019	15:09
Enterococci	Enterolert/QT	285	<130		MPN/100 mL	10	10	10	11/04/2019	15:13
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019	09:30
Phosphorus- Total	EPA 200.8	0.064	<0.046	I	mg/L	0.032	0.080	8	11/20/2019	14:09
Nitrogen- Total Kjeldahl	EPA 351.2	1.56			mg/L	0.230	0.500	1	11/15/2019	13:31
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	11/05/2019	13:07
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	11/04/2019	08:53
Dissolved Oxygen Saturation	FDEP FT1500	78.6	>42		%			1	11/04/2019	08:53
Nitrogen- Total	Nitrogen- Total	1.56	<0.3		mg/L	0.230	0.500	1	11/15/2019	16:50
Chlorophyll a	SM 10200 H	3.9	<4.9		mg/m3	1.00	1.00	1	11/08/2019	13:34

Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019	14:20
Pheophytin	SM 10200 H	1.10		mg/m3	1.00	1.00		1	11/08/2019	13:34
Turbidity	SM 2130 B	5.5		NTU	0.10	0.50		1	11/06/2019	07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/14/2019	10:50
Nitrite (N)	SM 4500-NO2 B	0.002		U mg/L	0.002	0.005		1	11/05/2019	13:53

ANALYTICAL RESULTS

Report # 1119_MRCO_I

<i>Location:</i> LANDMARK		<i>Field ID:</i> AF57484		<i>Lab ID:</i> AF57484		<i>Collect Date/Time:</i> 11/4/19 09:13				
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	11/06/2019 15:09	
Enterococci	Enterolert/QT	20	<130		MPN/100 mL	10	10	10	11/04/2019 15:13	
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019 09:30	
Phosphorus- Total	EPA 200.8	0.103	<0.046		mg/L	0.032	0.080	8	11/20/2019 14:12	
Nitrogen- Total Kjeldahl	EPA 351.2	1.15			mg/L	0.230	0.500	1	11/08/2019 10:14	
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	11/05/2019 13:10	
pH	FDEP FT1100	7.2	6.5 - 8.5		SU			1	11/04/2019 09:13	
Dissolved Oxygen Saturation	FDEP FT1500	63.9	>42		%			1	11/04/2019 09:13	
Nitrogen- Total	Nitrogen- Total	1.15	<0.3		mg/L	0.230	0.500	1	11/18/2019 15:36	
Chlorophyll a	SM 10200 H	13.8	<4.9		mg/m3	1.00	1.00	1	11/08/2019 13:34	
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019 14:20	
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/08/2019 13:34	
Turbidity	SM 2130 B	1.8			NTU	0.10	0.50	1	11/06/2019 07:40	
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019 11:59	
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019 13:54	

ANALYTICAL RESULTS

Report # 1119_MRCO_II

<i>Location:</i> DUP1		<i>Field ID:</i> AF57485		<i>Lab ID:</i> AF57485		<i>Collect Date/Time:</i> 11/4/19 09:37				
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	11/06/2019 15:09	
Enterococci	Enterolert/QT	10	<130	UJ	MPN/100 mL	10	10	10	11/04/2019 15:13	
Digestion for Metals	EPA 200.8	Completed						8	11/13/2019 09:30	
Phosphorus- Total	EPA 200.8	0.076	<0.046	I	mg/L	0.032	0.080	8	11/20/2019 14:15	
Nitrogen- Total Kjeldahl	EPA 351.2	0.741			mg/L	0.230	0.500	1	11/15/2019 11:42	
Nitrate-Nitrite (N)	EPA 353.2	0.016		I	mg/L	0.011	0.020	1	11/05/2019 13:12	
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	11/04/2019 09:37	
Dissolved Oxygen Saturation	FDEP FT1500	70.9	>42		%			1	11/04/2019 09:37	
Nitrogen- Total	Nitrogen- Total	0.757	<0.3		mg/L	0.230	0.500	1	11/15/2019 16:50	
Chlorophyll a	SM 10200 H	7.0	<4.9		mg/m3	1.00	1.00	1	11/08/2019 13:34	
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019 14:20	
Pheophytin	SM 10200 H	1.70			mg/m3	1.00	1.00	1	11/08/2019 13:34	

Turbidity	SM 2130 B	4.7		NTU	0.10	0.50	1	11/06/2019	07:40	
Digestion for TKN	SM 4500 NorgD	Complete					1	11/14/2019	10:50	
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019	13:55

ANALYTICAL RESULTS

Report # 1119_MRCO_I

<i>Location:</i> FCEB_MARCO		<i>Field ID:</i> AF57486		<i>Lab ID:</i> AF57486		<i>Collect Date/Time:</i> 11/4/19 11:19			
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	11/06/2019 15:09
Enterococci	Enterolert/QT	1	<130	U	MPN/100 mL	1	1	1	11/04/2019 15:13
Digestion for Metals	EPA 200.8	Completed						1	11/13/2019 09:30
Phosphorus- Total	EPA 200.8	0.004	<0.046	U	mg/L	0.004	0.010	1	11/20/2019 13:27
Nitrogen- Total Kjeldahl	EPA 351.2	0.230		U	mg/L	0.230	0.500	1	11/08/2019 10:21
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	11/05/2019 13:15
pH	FDEP FT1100	NA	6.5 - 8.5		SU			1	11/04/2019 11:19
Dissolved Oxygen Saturation	FDEP FT1500	NA	>42		%			1	11/04/2019 11:19
Nitrogen- Total	Nitrogen- Total	0.230	<0.3	U	mg/L	0.230	0.500	1	11/18/2019 15:36
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	11/08/2019 13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019 14:20
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/08/2019 13:34
Turbidity	SM 2130 B	0.10		U	NTU	0.10	0.50	1	11/06/2019 07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/07/2019 11:59
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	11/05/2019 13:56

ANALYTICAL RESULTS

Report # 1119_MRCO_II

<i>Location:</i> EB_MARCO		<i>Field ID:</i> AF57487		<i>Lab ID:</i> AF57487		<i>Collect Date/Time:</i> 11/4/19 09:02			
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	11/06/2019 15:09
Enterococci	Enterolert/QT	1	<130	U	MPN/100 mL	1	1	1	11/04/2019 15:13
Digestion for Metals	EPA 200.8	Completed						1	11/13/2019 09:30
Phosphorus- Total	EPA 200.8	0.004	<0.046	U	mg/L	0.004	0.010	1	11/20/2019 13:30
Nitrogen- Total Kjeldahl	EPA 351.2	0.230		U	mg/L	0.230	0.500	1	11/15/2019 11:37
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	11/05/2019 13:17
pH	FDEP FT1100	NA	6.5 - 8.5		SU			1	11/04/2019 09:02
Dissolved Oxygen Saturation	FDEP FT1500	NA	>42		%			1	11/04/2019 09:02
Nitrogen- Total	Nitrogen- Total	0.230	<0.3	U	mg/L	0.230	0.500	1	11/15/2019 16:50
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	11/08/2019 13:34
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	11/05/2019 14:20
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	11/08/2019 13:34
Turbidity	SM 2130 B	0.10		U	NTU	0.10	0.50	1	11/06/2019 07:40
Digestion for TKN	SM 4500 NorgD	Complete						1	11/14/2019 10:50

Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.005	1	11/05/2019	13:57
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