



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: 02/04/2020
Submittal Date: 02/04/2020 @ 14:27

Report Date : 3/11/2020
Report Time : 3:35:50PM

Project: MARCO
Report#: 0220_MRCO_II

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 # 0220_MRCO_II

<i>Location:</i> OLDE_MARCO		<i>Field ID:</i> AF59099		<i>Lab ID:</i> AF59099		<i>Collect Date/Time:</i> 2/4/20 10:33				
<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	02/05/2020	11:26
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/04/2020	15:20
Nitrogen- Total Kjeldahl	EPA 351.2	0.747			mg/L	0.230	0.500	1	02/12/2020	14:57
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	02/05/2020	09:59
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	02/04/2020	10:33
Dissolved Oxygen Saturation	FDEP FT1500	94.6	>42		%			1	02/04/2020	10:33
Nitrogen- Total	Nitrogen- Total	0.747	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	1.6	<4.9		mg/m3	1.00	1.00	1	02/28/2020	12:47
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/05/2020	14:47
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/28/2020	12:47
Turbidity	SM 2130 B	6.0			NTU	0.10	0.50	1	02/06/2020	09:45
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/05/2020	10:36
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.025	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:40

ANALYTICAL RESULTS

Report # 0220_MRCO_II

<i>Location:</i> JH_PARK		<i>Field ID:</i> AF59100		<i>Lab ID:</i> AF59100		<i>Collect Date/Time:</i> 2/4/20 11:04				
<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	0.018		I	mg/L	0.011	0.020	1	02/05/2020	11:26
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/04/2020	15:20
Nitrogen- Total Kjeldahl	EPA 351.2	0.745			mg/L	0.230	0.500	1	02/12/2020	15:02
Nitrate-Nitrite (N)	EPA 353.2	0.018		I	mg/L	0.011	0.020	1	02/05/2020	10:06
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	02/04/2020	11:04
Dissolved Oxygen Saturation	FDEP FT1500	86.1	>42		%			1	02/04/2020	11:04
Nitrogen- Total	Nitrogen- Total	0.763	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	02/28/2020	12:47
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/05/2020	14:47
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/28/2020	12:47
Turbidity	SM 2130 B	3.4			NTU	0.10	0.50	1	02/06/2020	09:45
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/05/2020	10:39
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.024	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:41

ANALYTICAL RESULTS

Report # 0220_MRCO_II

<i>Location:</i> HC_CENTER		<i>Field ID:</i> AF59101		<i>Lab ID:</i> AF59101		<i>Collect Date/Time:</i> 2/4/20 11:39				
<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	0.021			mg/L	0.011	0.020	1	02/05/2020	11:26
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/04/2020	15:20
Nitrogen- Total Kjeldahl	EPA 351.2	0.564			mg/L	0.230	0.500	1	02/12/2020	14:52
Nitrate-Nitrite (N)	EPA 353.2	0.021			mg/L	0.011	0.020	1	02/05/2020	10:09
pH	FDEP FT1100	7.6	6.5 - 8.5		SU			1	02/04/2020	11:39
Dissolved Oxygen Saturation	FDEP FT1500	87.7	>42		%			1	02/04/2020	11:39
Nitrogen- Total	Nitrogen- Total	0.585	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	2.4	<4.9		mg/m3	1.00	1.00	1	02/28/2020	12:47
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/05/2020	14:47
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/28/2020	12:47
Turbidity	SM 2130 B	1.0			NTU	0.10	0.50	1	02/06/2020	09:45
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/05/2020	10:40
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.018	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:32

ANALYTICAL RESULTS

Report # 0220_MRCO_II

Location: COLLIER_BRIDGE		Field ID: AF59102			Lab ID: AF59102	Collect Date/Time: 2/4/20 12:04				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.032			mg/L	0.011	0.020	1	02/05/2020	11:26
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/04/2020	15:20
Nitrogen- Total Kjeldahl	EPA 351.2	0.577			mg/L	0.230	0.500	1	02/12/2020	15:01
Nitrate-Nitrite (N)	EPA 353.2	0.032			mg/L	0.011	0.020	1	02/05/2020	10:11
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	02/04/2020	12:04
Dissolved Oxygen Saturation	FDEP FT1500	101.4	>42		%			1	02/04/2020	12:04
Nitrogen- Total	Nitrogen- Total	0.609	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	2.0	<4.9		mg/m3	1.00	1.00	1	02/28/2020	12:47
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/05/2020	14:47
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/28/2020	12:47
Turbidity	SM 2130 B	1.7			NTU	0.10	0.50	1	02/06/2020	09:45
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/05/2020	10:40
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.031	<0.046		mg/L	0.007	0.020	1	02/07/2020	12:35

ANALYTICAL RESULTS

Report # 0220_MRCO_II

Location: KENDALL		Field ID: AF59103			Lab ID: AF59103	Collect Date/Time: 2/4/20 12:25				
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	02/05/2020	11:26
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/04/2020	15:20

Nitrogen- Total Kjeldahl	EPA 351.2	0.711			mg/L	0.230	0.500	1	02/12/2020	14:41
Nitrate-Nitrite (N)	EPA 353.2	0.016		I	mg/L	0.011	0.020	1	02/05/2020	10:14
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	02/04/2020	12:25
Dissolved Oxygen Saturation	FDEP FT1500	87.9	>42		%			1	02/04/2020	12:25
Nitrogen- Total	Nitrogen- Total	0.727	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	1.5	<4.9		mg/m3	1.00	1.00	1	02/28/2020	12:47
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/05/2020	14:47
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/28/2020	12:47
Turbidity	SM 2130 B	3.7			NTU	0.10	0.50	1	02/06/2020	09:45
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/05/2020	10:41
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P)	0.030	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:26

ANALYTICAL RESULTS

Report # 0220_MRCO_II

Location: BARFIELD_BRIDGE		Field ID: AF59104		Lab ID: AF59104		Collect Date/Time: 2/4/20 12:55				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.019		I	mg/L	0.011	0.020	1	02/05/2020	11:26
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/04/2020	15:20
Nitrogen- Total Kjeldahl	EPA 351.2	0.688			mg/L	0.230	0.500	1	02/12/2020	14:51
Nitrate-Nitrite (N)	EPA 353.2	0.019		I	mg/L	0.011	0.020	1	02/05/2020	10:16
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	02/04/2020	12:55
Dissolved Oxygen Saturation	FDEP FT1500	87.9	>42		%			1	02/04/2020	12:55
Nitrogen- Total	Nitrogen- Total	0.707	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	2.5	<4.9		mg/m3	1.00	1.00	1	02/28/2020	12:47
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/05/2020	14:47
Pheophytin	SM 10200 H	2.70			mg/m3	1.00	1.00	1	02/28/2020	12:47
Turbidity	SM 2130 B	4.7			NTU	0.10	0.50	1	02/06/2020	09:45
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/05/2020	10:42
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P)	0.031	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:31

ANALYTICAL RESULTS

Report # 0220_MRCO_I

Location: LANDMARK		Field ID: AF59105		Lab ID: AF59105		Collect Date/Time: 2/3/20 09:45				
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	02/05/2020	10:06
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	02/03/2020	16:40
Nitrogen- Total Kjeldahl	EPA 351.2	0.718			mg/L	0.230	0.500	1	02/12/2020	14:38
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	02/04/2020	15:58

pH	FDEP FT1100	7.9	6.5 - 8.5	SU				1	02/03/2020	09:45
Dissolved Oxygen Saturation	FDEP FT1500	100.8	>42	%				1	02/03/2020	09:45
Nitrogen- Total	Nitrogen- Total	0.718	<0.3	mg/L	0.230	0.500		1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	4.6	<4.9	J	mg/m3	1.00	1.00	1	02/20/2020	08:40
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020	14:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/20/2020	08:40
Turbidity	SM 2130 B	1.5			NTU	0.10	0.50	1	02/04/2020	14:22
Digestion for TKN	SM 4500 NorgD	Completed						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/04/2020	17:58
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.039	<0.046		mg/L	0.007	0.020	1	02/07/2020	12:23

ANALYTICAL RESULTS

Report # 0220_MRCO_I

<i>Location:</i> W_WINTERBERRY_BRIDGE		<i>Field ID:</i> AF59106		<i>Lab ID:</i> AF59106		<i>Collect Date/Time:</i> 2/3/20 10:35				
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	02/05/2020 10:06	
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/03/2020 16:40	
Nitrogen- Total Kjeldahl	EPA 351.2	0.701			mg/L	0.230	0.500	1	02/12/2020 14:34	
Nitrate-Nitrite (N)	EPA 353.2	0.016		I	mg/L	0.011	0.020	1	02/04/2020 16:05	
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	02/03/2020 10:35	
Dissolved Oxygen Saturation	FDEP FT1500	83.7	>42		%			1	02/03/2020 10:35	
Nitrogen- Total	Nitrogen- Total	0.717	<0.3		mg/L	0.230	0.500	1	02/24/2020 11:58	
Chlorophyll a	SM 10200 H	1.2	<4.9		mg/m3	1.00	1.00	1	02/20/2020 08:40	
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020 14:30	
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/20/2020 08:40	
Turbidity	SM 2130 B	3.9			NTU	0.10	0.50	1	02/04/2020 14:22	
Digestion for TKN	SM 4500 NorgD	Completed						1	02/06/2020 11:10	
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/04/2020 18:01	
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020 09:54	
Phosphorus- Total	SM 4500-P E (P	0.021	<0.046	I	mg/L	0.014	0.040	2	02/07/2020 12:25	

ANALYTICAL RESULTS

Report # 0220_MRCO_I

<i>Location:</i> MCILVAINE		<i>Field ID:</i> AF59107		<i>Lab ID:</i> AF59107		<i>Collect Date/Time:</i> 2/3/20 11:46				
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	02/05/2020 10:06	
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/03/2020 16:40	
Nitrogen- Total Kjeldahl	EPA 351.2	0.679			mg/L	0.230	0.500	1	02/12/2020 14:45	
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	02/04/2020 16:07	
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	02/03/2020 11:46	
Dissolved Oxygen Saturation	FDEP FT1500	93.9	>42		%			1	02/03/2020 11:46	

Nitrogen- Total	Nitrogen- Total	0.679	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	2.6	<4.9		mg/m3	1.00	1.00	1	02/20/2020	08:40
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020	14:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/20/2020	08:40
Turbidity	SM 2130 B	7.1			NTU	0.10	0.50	1	02/04/2020	14:22
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/04/2020	18:02
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.017	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:27

ANALYTICAL RESULTS

Report # 0220_MRCO_I

Location: WINDMILL		Field ID: AF59108		Lab ID: AF59108		Collect Date/Time: 2/3/20 08:27				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.012		I	mg/L	0.011	0.020	1	02/05/2020	10:06
Enterococci	Enterolert/QT	10	<130	UQ	MPN/100 mL	10	10	10	02/03/2020	16:40
Nitrogen- Total Kjeldahl	EPA 351.2	0.689			mg/L	0.230	0.500	1	02/12/2020	14:47
Nitrate-Nitrite (N)	EPA 353.2	0.012		I	mg/L	0.011	0.020	1	02/04/2020	16:10
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	02/03/2020	08:27
Dissolved Oxygen Saturation	FDEP FT1500	84.4	>42		%			1	02/03/2020	08:27
Nitrogen- Total	Nitrogen- Total	0.701	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	2.3	<4.9		mg/m3	1.00	1.00	1	02/20/2020	08:40
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020	14:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/20/2020	08:40
Turbidity	SM 2130 B	5.4			NTU	0.10	0.50	1	02/04/2020	14:22
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/04/2020	18:03
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.029	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:28

ANALYTICAL RESULTS

Report # 0220_MRCO_I

Location: HUMMINGBIRD		Field ID: AF59109		Lab ID: AF59109		Collect Date/Time: 2/3/20 09:21				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.021			mg/L	0.011	0.020	1	02/05/2020	10:06
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/03/2020	16:40
Nitrogen- Total Kjeldahl	EPA 351.2	0.795			mg/L	0.230	0.500	1	02/12/2020	14:48
Nitrate-Nitrite (N)	EPA 353.2	0.021			mg/L	0.011	0.020	1	02/04/2020	16:12
pH	FDEP FT1100	7.8	6.5 - 8.5		SU			1	02/03/2020	09:21
Dissolved Oxygen Saturation	FDEP FT1500	87.8	>42		%			1	02/03/2020	09:21
Nitrogen- Total	Nitrogen- Total	0.816	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	3.3	<4.9		mg/m3	1.00	1.00	1	02/20/2020	08:40

Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020	14:30
Pheophytin	SM 10200 H	2.00			mg/m3	1.00	1.00	1	02/20/2020	08:40
Turbidity	SM 2130 B	2.6			NTU	0.10	0.50	1	02/04/2020	14:22
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/04/2020	18:04
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.018	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:29

ANALYTICAL RESULTS

Report # 0220_MRCO_I

Location: HOLLYHOCK		Field ID: AF59110		Lab ID: AF59110		Collect Date/Time: 2/3/20 09:02				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.034			mg/L	0.011	0.020	1	02/05/2020	10:06
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/03/2020	16:40
Nitrogen- Total Kjeldahl	EPA 351.2	0.888			mg/L	0.230	0.500	1	02/12/2020	14:49
Nitrate-Nitrite (N)	EPA 353.2	0.034			mg/L	0.011	0.020	1	02/04/2020	16:15
pH	FDEP FT1100	7.6	6.5 - 8.5		SU			1	02/03/2020	09:02
Dissolved Oxygen Saturation	FDEP FT1500	69.4	>42		%			1	02/03/2020	09:02
Nitrogen- Total	Nitrogen- Total	0.922	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	1.3	<4.9		mg/m3	1.00	1.00	1	02/20/2020	08:40
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020	14:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/20/2020	08:40
Turbidity	SM 2130 B	4.7			NTU	0.10	0.50	1	02/04/2020	14:22
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/04/2020	18:05
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.039	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:30

ANALYTICAL RESULTS

Report # 0220_MRCO_I

Location: E_WINTERBERRY_BRIDGE		Field ID: AF59111		Lab ID: AF59111		Collect Date/Time: 2/3/20 10:53				
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	02/05/2020	10:06
Enterococci	Enterolert/QT	10	<130		MPN/100 mL	10	10	10	02/03/2020	16:40
Nitrogen- Total Kjeldahl	EPA 351.2	0.626			mg/L	0.230	0.500	1	02/12/2020	15:04
Nitrate-Nitrite (N)	EPA 353.2	0.015		I	mg/L	0.011	0.020	1	02/04/2020	16:17
pH	FDEP FT1100	7.9	6.5 - 8.5		SU			1	02/03/2020	10:53
Dissolved Oxygen Saturation	FDEP FT1500	83.3	>42		%			1	02/03/2020	10:53
Nitrogen- Total	Nitrogen- Total	0.641	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	2.2	<4.9		mg/m3	1.00	1.00	1	02/20/2020	08:40
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020	14:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/20/2020	08:40

Turbidity	SM 2130 B	3.2			NTU	0.10	0.50	1	02/04/2020	14:22
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/04/2020	18:06
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.016	<0.046	I	mg/L	0.014	0.040	2	02/07/2020	12:41

ANALYTICAL RESULTS

Report # 0220_MRCO_I

<i>Location:</i> SWALLOW		<i>Field ID:</i> AF59112		<i>Lab ID:</i> AF59112		<i>Collect Date/Time:</i> 2/3/20 10:07				
Analyte Name	Method	Result	Acceptable Limits	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.074			mg/L	0.011	0.020	1	02/05/2020	10:06
Enterococci	Enterolert/QT	10	<130	U	MPN/100 mL	10	10	10	02/03/2020	16:40
Nitrogen- Total Kjeldahl	EPA 351.2	0.774			mg/L	0.230	0.500	1	02/12/2020	15:05
Nitrate-Nitrite (N)	EPA 353.2	0.076			mg/L	0.011	0.020	1	02/04/2020	16:20
pH	FDEP FT1100	7.7	6.5 - 8.5		SU			1	02/03/2020	10:07
Dissolved Oxygen Saturation	FDEP FT1500	67.1	>42		%			1	02/03/2020	10:07
Nitrogen- Total	Nitrogen- Total	0.850	<0.3		mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	1.2	<4.9		mg/m3	1.00	1.00	1	02/20/2020	08:40
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020	14:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/20/2020	08:40
Turbidity	SM 2130 B	4.6			NTU	0.10	0.50	1	02/04/2020	14:22
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		I	mg/L	0.002	0.005	1	02/04/2020	18:07
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P	0.058	<0.046		mg/L	0.014	0.040	2	02/07/2020	12:42

ANALYTICAL RESULTS

Report # 0220_MRCO_II

<i>Location:</i> MARCO_BLANK		<i>Field ID:</i> AF59113		<i>Lab ID:</i> AF59113		<i>Collect Date/Time:</i> 2/4/20 11:13				
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	02/05/2020	11:26
Enterococci	Enterolert/QT	1	<130	U	MPN/100 mL	1	1	1	02/04/2020	15:20
Nitrogen- Total Kjeldahl	EPA 351.2	0.230		U	mg/L	0.230	0.500	1	02/12/2020	14:40
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	02/05/2020	10:19
pH	FDEP FT1100	NA	6.5 - 8.5		SU			1	02/04/2020	11:13
Dissolved Oxygen Saturation	FDEP FT1500	NA	>42		%			1	02/04/2020	11:13
Nitrogen- Total	Nitrogen- Total	0.230	<0.3	U	mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	02/28/2020	12:47
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/05/2020	14:47
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/28/2020	12:47
Turbidity	SM 2130 B	0.10		U	NTU	0.10	0.50	1	02/06/2020	09:45
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10

Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/05/2020	10:43
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P)	0.007	<0.046	U	mg/L	0.007	0.020	1	02/07/2020	13:40

ANALYTICAL RESULTS

Report # 0220_MRCO_I

<i>Location:</i> MARCO_BLANK		<i>Field ID:</i> AF59114		<i>Lab ID:</i> AF59114		<i>Collect Date/Time:</i> 2/3/20 11:03				
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	02/05/2020	10:06
Enterococci	Enterolert/QT	1	<130		MPN/100 mL	1	1	1	02/03/2020	16:40
Nitrogen- Total Kjeldahl	EPA 351.2	0.230		U	mg/L	0.230	0.500	1	02/12/2020	15:06
Nitrate-Nitrite (N)	EPA 353.2	0.011		U	mg/L	0.011	0.020	1	02/04/2020	16:22
pH	FDEP FT1100	NA	6.5 - 8.5		SU			1	02/03/2020	11:03
Dissolved Oxygen Saturation	FDEP FT1500	NA	>42		%			1	02/03/2020	11:03
Nitrogen- Total	Nitrogen- Total	0.230	<0.3	U	mg/L	0.230	0.500	1	02/24/2020	11:58
Chlorophyll a	SM 10200 H	1.0	<4.9	U	mg/m3	1.00	1.00	1	02/20/2020	08:40
Filtration for Chlorophyll and Phe	SM 10200 H	Completed						1	02/03/2020	14:30
Pheophytin	SM 10200 H	1.00		U	mg/m3	1.00	1.00	1	02/20/2020	08:40
Turbidity	SM 2130 B	0.10		U	NTU	0.10	0.50	1	02/04/2020	14:22
Digestion for TKN	SM 4500 NorgD	Complete						1	02/06/2020	11:10
Nitrite (N)	SM 4500-NO2 B	0.002		U	mg/L	0.002	0.005	1	02/04/2020	18:08
Persulfate Digestion for Total P	SM 4500-P B	Complete						1	02/06/2020	09:54
Phosphorus- Total	SM 4500-P E (P)	0.007	<0.046	U	mg/L	0.007	0.020	1	02/07/2020	13:41



Collier County™

POLLUTION CONTROL

LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Monday, February 3, 2020

Sampler: Samantha Gibson

Meter/Notes: Josh Gravlin



Certificate No

[4262.01](#)

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

CCV: Morning		Sonde / Handheld		ProDSS #11		Serial #:		19E104158			
Date/Time:		2/3/20 7:23 AM		Operator:		Josh Gravlin		Project: MARCO			
*** Conductivity ***							Associated Calibration File:				
Standard (µmhos/cm) ± 5%		CDI#		Reading		Pass/Fail		Calibration_11_013120			
1000		11735		1005		Pass					
*** pH ***											
pH (QA Criteria ±.2)		CDI#		Reading		Pass/Fail					
4.00		13187		3.98		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 --->		9.29		99.3		18.9		Pass		9.363	765.3
Notes:											
CCV: Afternoon				Date/Time:		2/3/2020 12:53		Operator:		Josh Gravlin	
*** Conductivity ***											
Standard (µmhos/cm) ± 5%		CDI#		Reading		Pass/Fail					
10000		11626		9968		Pass					
70000		13302		69966		Pass					
*** pH ***											
pH (QA Criteria +.2)		CDI#		Reading		Pass/Fail					
4.00											
7.00		13184		7.08		Pass		All CCV Results Pass?			
10.00		13191		9.97		Pass		Yes			
*** Dissolved Oxygen ***											
D.O. (QA Criteria ±3mg/l)		mg/L		%		°C		Pass/Fail		True Value	Barometric Pressure
CCV Readings --->		9.34		99.7		18.9		Pass		9.360	765
Notes:											
Surface Water Field Workbook Rev 16.4 Effective February 1st, 2020											

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: I

Sample Collector: Samantha Gibson

Meter / Notes: Josh Gravlin

Date: 2/3/2020

LAB ID	TIME	STATION	Temp (°C)	Sp Cond (µS/cm)	Sal (ppt)	DO (% Local)	ODO (mg/L)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF59108	8:27	WINDMILL	18.7	50585	33.24	84.4	6.52	7.67	0.30		2.50	1.30
AF59108B	8:28	WINDMILL	18.7	50762	33.37	84.4	6.51	7.71	2.20		2.50	1.30
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow:	No flow.	Staff Gauge:		pH < 2:	Yes	Sample Type: SAMP
Comments: High slack tide; no visible tidal movement. Dolphins active within 100m of sample site.												

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)
AF59110	9:02	HOLLYHOCK	19.1	50681	33.31	69.4	5.32	7.63	0.30		1.30	1.30
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow:	No flow.	Staff Gauge:		pH < 2:	Yes	Sample Type: SAMP
Comments: No visible tidal movement.												

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)
AF59109	9:21	HUMMINGBIRD	19.1	49536	32.47	87.8	6.77	7.75	0.30		1.40	1.40
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow:	Flow.	Staff Gauge:		pH < 2:	Yes	Sample Type: SAMP
Comments: Visibly outgoing tide. Vegetative debris on water surface. Landscape maintenance occurring on adjacent lot during sampling event.												

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)
AF59105	9:45	LANDMARK	19.2	50614	33.26	100.8	7.72	7.93	0.30		1.80	1.80
AF59105B	9:47	LANDMARK	19.5	51205	33.69	103.7	7.87	7.96	1.50		1.80	1.80
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow:	No flow.	Staff Gauge:		pH < 2:	Yes	Sample Type: SAMP
Comments: No visible tidal movement. Water is crystal clear. Light vegetative debris on water surface.												

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Sunny. High in the 70s.	
Sampling SOP:	FSQM 03-04	24 HRS Prior Weather:	Similar in the 60s.	

Prepared By: *Joshua Gravlin* Signed: 2/26/2020 7:19:18 AM

Reviewed By: **Samantha Gibson** Signed: 2/3/2020 1:15:47 PM

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: I

Sample Collector: Samantha Gibson

Meter / Notes: Josh Gravlin

Date: 2/3/2020

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)
AF59112	10:07	SWALLOW	17.7	44608	28.89	67.1	5.42	7.70	0.30		1.80	1.20
AF59112B	10:08	SWALLOW	20.7	51174	33.67	68.5	5.09	7.81	1.50		1.80	1.20
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow: No flow.		Staff Gauge:			pH < 2:	Yes
Comments:	Vegetative debris and lawn clippings on water surface. Construction across bay without proper silt fences in place. Adjacent construction lot with failing silt fences.										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)
AF59106	10:35	W_WINTERBERRY_BRIDGE	19.4	50764	33.37	83.7	6.38	7.83	0.30		2.80	1.40
AF59106B	10:37	W_WINTERBERRY_BRIDGE	19.1	51041	33.57	83.6	6.40	7.86	2.50		2.80	1.40
Collection Device	VanDorn; CDI: 08721		Cleaning Protocol: J			Flow: 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)
AF59111	10:53	E_WINTERBERRY_BRIDGE	19.3	50665	33.30	83.3	6.37	7.86	0.30		1.70	1.70
AF59111B	10:55	E_WINTERBERRY_BRIDGE	19.2	50977	33.53	82.3	6.29	7.88	1.40		1.70	1.70
Collection Device	Pole Sampler; CDI: 10882		Cleaning Protocol: J			Flow: Flow.		Staff Gauge:			pH < 2:	Yes
Comments:	Visibly outgoing tide. Vegetative debris on water 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)
AF59114	11:03	E_WINTERBERRY_BRIDGE										
Collection Device	Sample Container		Cleaning Protocol:			Flow:		Staff Gauge:			pH < 2:	Yes
Comments:	FB collected from CDI 13270 carboy.										Sample Type:	FB

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Sunny. High in the 70s.	
Sampling SOP Used:	FSQM 03-04	24 HRS Prior Weather:	Similar in the 60s.	

Prepared By: Joshua Gravlin

Reviewed By: Samantha Gibson

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: I

Sample Collector: Samantha Gibson

Meter / Notes: Josh Gravin

Date: 2/3/2020

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)
AF59107	11:46	MCILVAINE	18.9	51358	33.81	93.9	7.20	7.92	0.30		1.40	1.20
Collection Device:		Pole Sampler; CDI: 10882		Cleaning Protocol: J		Flow: 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)
Collection Device:				Cleaning Protocol:		Flow:		Staff Gauge:		pH < 2:		
Comments:											Sample Type:	

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
Collection Device:				Cleaning Protocol:		Flow:		Staff Gauge:		pH < 2:		
Comments:											Sample Type:	

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
Collection Device:				Cleaning Protocol:		Flow:		Staff Gauge:		pH < 2:		
Comments:											Sample Type:	

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Sunny. High in the 70s.	
Sampling SOP Used:	FSQM 03-04	24 HRS Prior Weather:	Similar in the 60s.	

Prepared By: Joshua Gravin

Reviewed By: Samantha Gibson

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: I

Sample Collector: Samantha Gibson

Meter / Notes: Josh Gravlin

Date: 2/3/2020

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:		

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
Collection Device			Cleaning Protocol:			Flow:		Staff Gauge:		pH < 2:		
Comments:										Sample Type:		

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Sunny. High in the 70s.	
Sampling SOP Used:	FSQM 03-04	24 HRS Prior Weather:	Similar in the 60s.	

Prepared By: Joshua Gravlin

Reviewed By: Samantha Gibson



Collier County Pollution Control Department Chain of Custody

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

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

NELAC Certification: #E45464

Client Information

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

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

PRESERVATION CODES	Lot#	Prs. Vol.	Prs. Lot#	Prs. Supp.	Prs. Date	Initials
1G 1000mL HDPE/Ice	75529					
2C 1L Opaque HDPE/Light-shielded/Ice	AF58280					
3S 250ml HDPE/H2SO4/Ice	CDI 13015	16 drops	RP 14386	Fisher	2/3/2020	JAG
4F 60ml Opaque HDPE/Filtered/Ice	AF55358					
5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI 12139					
14 Whatman Polydisc GW 0.45µm	A24365266					

Date/Time		Parameters										Sample Check-In		
Received By: (Signature)	2/3/20 1:17 PM	Turbidity-PC	Chlorophyll-PC, Pheophytin-PC, Prep-Chloro	Nitrogen-TKN-PC, Phosphorous-Total-PC, Prep-TKN	Nitrite-PC, Nitrate-Nitrite-PC	Enterolert-PC	TN-PC, CC-Nitrate-N-PC						Sample(s) Intact?	
Relinquished By: (Signature)	2/3/20 1:17 PM												Rec'd in wet ice?	
Received By: (Signature)													Temp °C:	
Relinquished By: (Signature)													Proper Samp ID?	
Received By: (Signature)													Rec'd within hold time?	
Relinquished By: (Signature)													Acid preserved samples pH<2?	
Received By: (Signature)													Logged In?	
Relinquished By: (Signature)													Scanned?	

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	# of sample Containers Submitted										Lab ID #			
							1G	2C	3S	4F	5J	Calc								
2/3/2020	8:27	7.67	50585	0.30	WINDMILL	SW	1	1	1	1	1									AF59108
2/3/2020	9:02	7.63	50681	0.30	HOLLYHOCK	SW	1	1	1	1	1									AF59110
2/3/2020	9:21	7.75	49536	0.30	HUMMINGBIRD	SW	1	1	1	1	1									AF59109
2/3/2020	9:45	7.93	50614	0.30	LANDMARK	SW	1	1	1	1	1									AF59105
2/3/2020	10:07	7.70	44608	0.30	SWALLOW	SW	1	1	1	1	1									AF59112
2/3/2020	10:35	7.83	50764	0.30	W_WINTERBERRY_BRIDGE	SW	1	1	1	1	1									AF59106
2/3/2020	10:53	7.86	50665	0.30	E_WINTERBERRY_BRIDGE	SW	1	1	1	1	1									AF59111
2/3/2020	11:03	#N/A	#N/A	#N/A	E_WINTERBERRY_BRIDGE	SW	1	1	1	1	1									AF59114
2/3/2020	11:46	7.92	51358	0.30	MCILVAINE	SW	1	1	1	1	1									AF59107

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-G2	PC / Other	MARCO	Sampler	2/3/2020 7:24	Incorrect initial entry.	Joshua Gravlin
Calibration-G2	PC / Other	MARCO	Sampler	2/3/2020 7:24	Incorrect initial entry.	Joshua Gravlin
Calibration-G2	PC / Other	MARCO	Sampler	2/3/2020 7:24	Incorrect initial entry.	Joshua Gravlin
Calibration-G2	PC / Other	MARCO	Sampler	2/3/2020 7:24	Incorrect initial entry.	Joshua Gravlin
Calibration-G2	PC / Other	MARCO	Sampler	2/3/2020 7:24	Incorrect initial entry.	Joshua Gravlin
Calibration-G2	PC / Other	MARCO	Sampler	2/3/2020 7:24	Incorrect initial entry.	Joshua Gravlin
Calibration-G2	PC / Other	MARCO	Sampler	2/3/2020 7:24	Incorrect initial entry.	Joshua Gravlin
Field Sheet-B22	Visibly outgoing tide. Vegetative debris on water surface.	Visibly outgoing tide. Vegetative debris on water surface. Landscape maintenance occurring on adjacent lot during sampling event.	Sampler	2/3/2020 9:26	Added lanscape maintenance event.	Joshua Gravlin

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREATED: 2/3/2020 16:58

DATE	TIME	SITE	DATA ID	GPS Latitude (°)	GPS Longitude (°)	Barometer (mmHg)	Temp (°C)	Cond (µS/cm)	Sp Cond (µS/cm)	Sal (ppt)	pH	pH (mV)	ODO (mg/L)	ODO (% LocalB)
2/3/2020	8:27:40 AM	af59108	25.94997 °	-81.70806 °	766.8	18.7	44492.1	50585	33.24	7.67	-72.8	6.52	84.4	
2/3/2020	8:28:27 AM	af59108	25.94997 °	-81.70807 °	766.8	18.7	44697	50762	33.37	7.71	-75.2	6.51	84.4	
2/3/2020	9:02:32 AM	af59110	25.94347 °	-81.69252 °	767	19.1	45007.8	50680.7	33.31	7.63	-70.4	5.32	69.4	
2/3/2020	9:21:06 AM	af59109	25.94350 °	-81.70358 °	767.1	19.1	43915.3	49535.8	32.47	7.75	-77.7	6.77	87.8	
2/3/2020	9:45:55 AM	af59105	25.93619 °	-81.72668 °	767.4	19.2	44975.8	50613.5	33.26	7.93	-88.2	7.72	100.8	
2/3/2020	9:47:02 AM	af59105	25.93618 °	-81.72668 °	767.2	19.5	45834.4	51204.6	33.69	7.96	-89.7	7.87	103.7	
2/3/2020	10:07:24 AM	af59112	25.91326 °	-81.72407 °	767.4	17.7	38430.6	44607.9	28.89	7.7	-74.4	5.42	67.1	
2/3/2020	10:08:20 AM	af59112	25.91327 °	-81.72408 °	767.4	20.7	47013.4	51173.6	33.67	7.81	-81.1	5.09	68.5	
2/3/2020	10:35:09 AM	wwint	25.92338 °	-81.71425 °	767	19.4	45322.7	50764.1	33.37	7.83	-82.5	6.38	83.7	
2/3/2020	10:37:02 AM	wwint	25.92339 °	-81.71426 °	767.1	19.1	45312.6	51041.2	33.57	7.86	-84.1	6.4	83.6	
2/3/2020	10:53:29 AM	af59111	25.92573 °	-81.70311 °	767.1	19.3	45131.8	50664.5	33.3	7.86	-83.7	6.37	83.3	
2/3/2020	10:55:03 AM	af59111	25.92573 °	-81.70308 °	767.1	19.2	45359.7	50976.8	33.53	7.88	-84.9	6.29	82.3	
2/3/2020	11:46:27 AM	af59107	25.91206 °	-81.70889 °	766.7	18.9	45390.7	51358	33.81	7.92	-87.5	7.2	93.9	



Collier County™

POLLUTION CONTROL

LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Tuesday, February 4, 2020

Sampler: Krystal Silas

Meter/Notes: Danny Berger



Certificate No

[4262.01](#)

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

CCV: Morning		Sonde / Handheld	ProDSS #11	Serial #:	19E104158	
Date/Time:	2/3/20 12:53 PM	Operator:	Josh Gravlin		Project:	MARCO
*** Conductivity ***						Associated Calibration File: Calibration_11_013119.xlsm
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail			
10000	11626	9968	Pass			
70000	13302	69966	Pass			
*** pH ***						
pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail			
4.00						
7.00	13184	7.08	Pass		All CCV Results Pass?	
10.00	13191	9.97	Pass		Yes	
*** Dissolved Oxygen ***						
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	9.34	99.7	18.9	Pass	9.360	765
Notes:						
CCV: Afternoon			Date/Time:	2/4/2020 13:49	Operator:	Danny Berger
*** Conductivity ***						Associated Calibration File: Calibration_11_013119.xlsm
Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail			
10000	11626	9977	Pass			
70000	13504	70429	Pass			
*** pH ***						
pH (QA Criteria +.2)	CDI#	Reading	Pass/Fail			
4.00						
7.00	13184	7.10	Pass		All CCV Results Pass?	
10.00	13191	9.95	Pass		Yes	
*** Dissolved Oxygen ***						
D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	8.98	99.6	20.6	Pass	9.013	762.1
Notes:						
Surface Water Field Workbook Rev 16.4 Effective February 1st, 2020						

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: III

Sample Collector: Krystal Silas

Meter / Notes: Danny Berger

Date: 2/4/2020

LAB ID	TIME	STATION	Temp (°C)	Sp Cond (µS/cm)	Sal (ppt)	DO (% Local)	ODO (mg/L)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF59099	10:33	OLDE_MARCO	18.6	51142	33.65	94.6	7.30	7.83	0.30		1.60	1.40
AF59099B	10:35	OLDE_MARCO	18.6	51174	33.67	94.6	7.29	7.85	1.30		1.60	1.40
Collection Device	Pole Sampler; CDI: 11853		Cleaning Protocol: J			Flow:	Flow.	Staff Gauge:			pH < 2:	YES
Comments: 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)
AF59100	11:04	JH_PARK	19.9	49834	32.69	86.1	6.52	7.77	0.30		3.80	1.70
AF59100B	11:05	JH_PARK	19.3	50520	33.19	84.2	6.42	7.80	3.50		3.80	1.70
Collection Device	Pole Sampler; CDI: 11853		Cleaning Protocol: J			Flow:	Flow.	Staff Gauge:			pH < 2:	YES
Comments: Two boats passed during sampling. 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)
AF59113	11:13	JH_PARK										
Collection Device	Sample Container		Cleaning Protocol:			Flow:		Staff Gauge:			pH < 2:	YES
Comments: Sample taken from carboy CDI 13270.											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)
AF59101	11:39	HC_CENTER	20.0	49071	32.13	87.7	6.64	7.65	0.30		1.60	1.60
AF59101B	11:40	HC_CENTER	20.9	49787	32.65	80.2	5.95	7.66	1.30		1.60	1.60
Collection Device	Pole Sampler; CDI: 11853		Cleaning Protocol: J			Flow:	Flow.	Staff Gauge:			pH < 2:	YES
Comments: Visible outgoing tide.											Sample Type:	SAMP

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Upper 70s and sunny.	
Sampling SOP:	FSQM 03-04	24 HRS Prior Weather:	Similar and cooler.	

Prepared By: **Danny Berger** Signed: 2/4/2020 3:20:04 PM

Reviewed By: *Krystal Silas* Signed: 2/4/2020 2:25:07 PM

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: III

Sample Collector: Krystal Silas

Meter / Notes: Danny Berger

Date: 2/4/2020

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)
AF59102	12:04	COLLIER_BRIDGE	20.7	48762	31.90	101.4	7.59	7.69	0.30		1.30	1.30
Collection Device		Pole Sampler; CDI: 11853		Cleaning Protocol: J		Flow: Flow.		Staff Gauge:		pH < 2:		YES
Comments: Small amount of leaf debris present. Visible outgoing tide.										Sample Type:		SAMP

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
AF59103	12:25	KENDALL	20.0	50127	32.90	87.9	6.63	7.73	0.30		0.90	0.90
Collection Device		Pole Sampler; CDI: 11853		Cleaning Protocol: J		Flow: Flow.		Staff Gauge:		pH < 2:		YES
Comments: 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)
AF59104	12:55	BARFIELD_BRIDGE	20.4	50221	32.97	87.9	6.57	7.74	0.30		1.90	1.60
AF59104B	12:58	BARFIELD_BRIDGE	19.2	50876	33.45	93.9	7.14	7.85	1.60		1.90	1.60
Collection Device		Pole Sampler; CDI: 11853		Cleaning Protocol: J		Flow: Flow.		Staff Gauge:		pH < 2:		YES
Comments: Boat passed by during sampling. 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)
Collection Device				Cleaning Protocol:		Flow:		Staff Gauge:		pH < 2:		
Comments:										Sample Type:		

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Upper 70s and sunny.	
Sampling SOP Used:	FSQM 03-04	24 HRS Prior Weather:	Similar and cooler.	

Prepared By: Danny Berger

Reviewed By: Krystal Silas

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: III

Sample Collector: Krystal Silas

Meter / Notes: Danny Berger

Date: 2/4/2020

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
Collection Device			Cleaning Protocol:			Flow:		Staff Gauge:		pH < 2:		
Comments:										Sample Type:		

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
Collection Device			Cleaning Protocol:			Flow:		Staff Gauge:		pH < 2:		
Comments:										Sample Type:		

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
Collection Device			Cleaning Protocol:			Flow:		Staff Gauge:		pH < 2:		
Comments:										Sample Type:		

LAB ID	TIME	STATION	TEMP. (° C)	SPEC. COND. (µmhos/cm)	SALINITY (ppt)	D.O. (% SAT)	D.O. (mg/l)	pH	SAMPLE DEPTH (meters)	STAFF GAUGE (feet)	WATER DEPTH (meters)	SECCHI DEPTH (meters)
Collection Device			Cleaning Protocol:			Flow:		Staff Gauge:		pH < 2:		
Comments:										Sample Type:		

Bottles Per Site / Shipped Per Site:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Upper 70s and sunny.	
Sampling SOP Used:	FSQM 03-04	24 HRS Prior Weather:	Similar and cooler.	

Prepared By: Danny Berger

Reviewed By: Krystal Silas

Collier County Pollution Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO

Run: III

Sample Collector: Krystal Silas

Meter / Notes: Danny Berger

Date: 2/4/2020

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:	5 / 0	Matrix: SW	Named storm event that impacted sampling event?	No
Sites Access By:	Truck	Weather:	Upper 70s and sunny.	
Sampling SOP Used:	FSQM 03-04	24 HRS Prior Weather:	Similar and cooler.	

Prepared By: Danny Berger

Reviewed By: Krystal Silas



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		PRESERVATION CODES		Lot#	Prs. Vol.	Prs. Lot#	Prs. Supp.	Prs. Date	Initials
Company Name: Collier County Natural Resources		1G 1000mL HDPE/Ice		75529					
Address: 2685 South Horseshoe Drive Ste 103, Fl 34104		2C 1L Opaque HDPE/Light-shielded/Ice		AF58694					
Phone: (239) 252-2502 Ext. 6049		3S 250ml HDPE/H2SO4/Ice		CDI 13015	16 drops	RP 14386	Fisher	2/4/2020	DB
Fax: (239) 252-6479		4F 60ml Opaque HDPE/Filtered/Ice		AF55358					
Project	MARCO	MATRIX CODES		5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI 12139				
Sample Collector(s):		GW Ground Water		14 Whatman Polydisc GW 0.45µm	A24365266				
Krystal Silas		SW Surface Water							
Sample Collector Signature:		WW Waste Water							
		DW Drinking Water							
		Other _____							
Relinquished By: (Signature)									

Received By: (Signature)	Date/Time	2/4/20 2:27 PM	Parameters										Sample Check-In			
			Turbidity-PC	Chlorophyll-PC, Pheophytin-PC, Prep-Chloro	Nitrogen-TKN-PC, Phosphorous-Total-PC, Prep-TKN	Nitrite-PC, Nitrate-Nitrite-PC	Enterolert-PC	TN-PC, CC-Nitrate-N-PC							Sample(s) Intact?	
															Rec'd in wet ice?	
															Temp °C:	
															Proper Samp ID?	
Relinquished By: (Signature)	Date/Time	2/4/20 2:27 PM													Rec'd within hold time?	
															Acid preserved samples pH<2?	
															Logged In?	
Received By: (Signature)	Date/Time		Bottle Codes										Scanned?			

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	1G	2C	3S	4F	5J	Calc	# of sample Containers Submitted				Lab ID #
2/4/2020	10:33	7.83	51142	0.30	OLDE MARCO	SW	1	1	1	1	1						AF59099
2/4/2020	11:04	7.77	49834	0.30	JH_PARK	SW	1	1	1	1	1						AF59100
2/4/2020	11:13	#N/A	#N/A	#N/A	JH_PARK	SW	1	1	1	1	1						AF59113
2/4/2020	11:39	7.65	49071	0.30	HC_CENTER	SW	1	1	1	1	1						AF59101
2/4/2020	12:04	7.69	48762	0.30	COLLIER_BRIDGE	SW	1	1	1	1	1						AF59102
2/4/2020	12:25	7.73	50127	0.30	KENDALL	SW	1	1	1	1	1						AF59103
2/4/2020	12:55	7.74	50221	0.30	BARFIELD_BRIDGE	SW	1	1	1	1	1						AF59104

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-G2	PC / Other	MARCO	Sampler	2/4/2020 8:29	Incorrect initial entry.	Danny Berger
Calibration-A7		100	70000 Sampler	2/4/2020 8:31	Incorrect initial entry.	Danny Berger
Calibration-B29		6/1/1936	13504 Sampler	2/4/2020 14:09	Incorrect initial entry.	Danny Berger

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREATED: 2/4/2020 19:16

DATE	TIME	SITE	DATA ID	GPS Latitude (°)	GPS Longitude (°)	Barometer (mmHg)	Temp (°C)	Cond (µS/cm)	Sp Cond (µS/cm)	Sal (ppt)	pH	pH (mV)	ODO (mg/L)	ODO (% LocalB)
2/4/2020	10:33:59 AM	af59099	25.96680 °	-81.73090 °	765.9	18.6	44903.8	51142.3	33.65	7.83	-82	7.3	94.6	
2/4/2020	10:35:09 AM	af59099	25.96680 °	-81.73089 °	765.9	18.6	44923.9	51173.9	33.67	7.85	-83.2	7.29	94.6	
2/4/2020	11:04:20 AM	af59100	25.95206 °	-81.73023 °	765.6	19.9	44989.9	49834.4	32.69	7.77	-78.9	6.52	86.1	
2/4/2020	11:05:34 AM	af59100	25.95198 °	-81.73035 °	765.5	19.3	45056.3	50520.2	33.19	7.8	-80.5	6.42	84.2	
2/4/2020	11:39:13 AM	af59101	25.93759 °	-81.71959 °	765	20	44388.1	49070.8	32.13	7.65	-72.1	6.64	87.7	
2/4/2020	11:40:31 AM	af59101	25.93758 °	-81.71959 °	765	20.9	45902.3	49787	32.65	7.66	-72.9	5.95	80.2	
2/4/2020	12:04:09 PM	af59102	25.94571 °	-81.73290 °	764.5	20.7	44713.3	48761.7	31.9	7.69	-74.5	7.59	101.4	
2/4/2020	12:25:53 PM	af59103	25.95359 °	-81.74102 °	764.3	20	45310.9	50126.6	32.9	7.73	-76.4	6.63	87.9	
2/4/2020	12:55:21 PM	af59104	25.96148 °	-81.72233 °	764.1	20.4	45774.4	50221.1	32.97	7.74	-77.1	6.57	87.9	
2/4/2020	12:56:59 PM	af59104	25.96144 °	-81.72229 °	763.9	19.4	45331.3	50793.9	33.39	7.82	-81.8	7.01	92.3	
2/4/2020	12:57:00 PM	af59104	25.96145 °	-81.72230 °	764	19.4	45331.3	50797.1	33.39	7.82	-81.8	7.01	92.3	
2/4/2020	12:58:13 PM	af59104	25.96143 °	-81.72234 °	764	19.2	45277.9	50875.7	33.45	7.85	-83.1	7.14	93.9	

