Collier County™
POLLUTION CONTROL
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Report To:

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

Collected by: CCPCD
Collection Date: 02/08/2018
Submittal Date: 02/08/2018 @ 11:36

Report Date : 4/23/2018
Report Time : 10:51:10AM

Report#: 0218MRCO
Project: MARCO

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.

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.

NELAP ACCREDITED TNI LABORATORY

NELAP ACCREDITED TNI

Respectfully Submitted,

Nosbel Perez

Nosbel Perez
Laboratory Supervisor

ANALYTICAL RESULTS

Location: **WINDMILL** ***Field ID:*** **AF46956** ***Lab ID:*** **AF46956** ***Collect Date/Time:*** **2/8/18 08:27**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.004	I	mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	10	J	mpn/100ml	10	10	10	02/08/2018	14:00
Ammonia	EPA 350.1	0.018	I	mg/L	0.010	0.050	1	03/06/2018	12:05
Nitrogen- Total Kjeldahl	EPA 351.2	0.231	I	mg/L	0.084	0.255	1	03/05/2018	10:55
Nitrate-Nitrite (N)	EPA 353.2	0.004	IV	mg/L	0.002	0.010	1	03/07/2018	13:39
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	2.8		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.008	I	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.235	IV	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **HOLLYHOCK** ***Field ID:*** **AF46957** ***Lab ID:*** **AF46957** ***Collect Date/Time:*** **2/8/18 08:46**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.011		mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	10	U	mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.268		mg/L	0.084	0.255	1	03/05/2018	10:57
Nitrate-Nitrite (N)	EPA 353.2	0.014	JV	mg/L	0.002	0.010	1	02/20/2018	14:48
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	1.5		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.003	I	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.007	U	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.282	V	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **MCILVAINE** ***Field ID:*** **AF46959** ***Lab ID:*** **AF46959** ***Collect Date/Time:*** **2/8/18 09:33**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.012		mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	10		mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.278		mg/L	0.084	0.255	1	03/05/2018	10:58
Nitrate-Nitrite (N)	EPA 353.2	0.012	JV	mg/L	0.002	0.010	1	02/20/2018	14:49
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	2.1		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33

Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.021		mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.290	V	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **E_WINTERBERRY_BRIDGE** ***Field ID:*** **AF46960** ***Lab ID:*** **AF46960** ***Collect Date/Time:*** **2/8/18 10:03**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.003	I	mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	31		mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.261		mg/L	0.084	0.255	1	03/05/2018	10:59
Nitrate-Nitrite (N)	EPA 353.2	0.006	IJV	mg/L	0.002	0.010	1	02/20/2018	15:09
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	3.0		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.003	I	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.013	I	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.267	V	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **W_WINTERBERRY_BRIDGE** ***Field ID:*** **AF46961** ***Lab ID:*** **AF46961** ***Collect Date/Time:*** **2/8/18 10:22**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.010		mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	10		mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.290		mg/L	0.084	0.255	1	03/05/2018	11:00
Nitrate-Nitrite (N)	EPA 353.2	0.013	JV	mg/L	0.002	0.010	1	02/20/2018	15:10
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	2.3		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.003	I	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.007	U	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.303	V	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **BARFIELD_BRIDGE** ***Field ID:*** **AF46962** ***Lab ID:*** **AF46962** ***Collect Date/Time:*** **2/8/18 08:35**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.002	U	mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	10		mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.177	I	mg/L	0.084	0.255	1	03/05/2018	11:02
Nitrate-Nitrite (N)	EPA 353.2	0.002	UJ	mg/L	0.002	0.010	1	02/20/2018	15:12

Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	3.4		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.010	I	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.179	I	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **JH_PARK** ***Field ID:*** **AF46963** ***Lab ID:*** **AF46963** ***Collect Date/Time:*** **2/8/18 09:04**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.002	U	mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	10	U	mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.225	IJ	mg/L	0.084	0.255	1	03/05/2018	11:13
Nitrate-Nitrite (N)	EPA 353.2	0.002	IJV	mg/L	0.002	0.010	1	02/20/2018	15:13
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	4.0		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.002	I	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.007	U	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.227	IV	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **COLLIER_BRIDGE** ***Field ID:*** **AF46964** ***Lab ID:*** **AF46964** ***Collect Date/Time:*** **2/8/18 09:42**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.004	I	mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	10		mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.140	I	mg/L	0.084	0.255	1	03/05/2018	11:17
Nitrate-Nitrite (N)	EPA 353.2	0.006	IV	mg/L	0.002	0.010	1	03/07/2018	13:41
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	2.4		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.002	I	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.022		mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.146	IV	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **HC_CENTER** ***Field ID:*** **AF46965** ***Lab ID:*** **AF46965** ***Collect Date/Time:*** **2/8/18 10:06**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.002	U	mg/L	0.002	0.010	1	04/09/2018	15:36

Enterococci	Enterolert/QT	10		mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	1.16		mg/L	0.084	0.255	1	03/05/2018	11:18
Nitrate-Nitrite (N)	EPA 353.2	0.003	IVJ	mg/L	0.002	0.010	1	03/07/2018	13:42
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	2.7		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.004	IJ	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.007	U	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	1.163	V	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **KENDALL** ***Field ID:*** **AF46966** ***Lab ID:*** **AF46966** ***Collect Date/Time:*** **2/8/18 10:33**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.002	I	mg/L	0.002	0.010	1	04/09/2018	15:36
Enterococci	Enterolert/QT	10	U	mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.134	I	mg/L	0.084	0.255	1	03/05/2018	11:19
Nitrate-Nitrite (N)	EPA 353.2	0.002	IV	mg/L	0.002	0.010	1	03/07/2018	13:44
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Chlorophyll a	SM 10200 H	1.4		mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.007	U	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.136	IV	mg/L	0.084	0.255	1	04/09/2018	15:36

Location: **FCEB_MARCO** ***Field ID:*** **AF46968** ***Lab ID:*** **AF46968** ***Collect Date/Time:*** **2/8/18 10:29**

Analyte Name	Method	Result	Qualifier	Units	MDL	PQL	DF	Analysis Date/Time	
CC-Nitrate-N	CC-Nitrate-N	0.002		mg/L	0.002	0.010	1	03/14/2018	16:02
Enterococci	Enterolert/QT	10	U	mpn/100ml	10	10	10	02/08/2018	14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.084	U	mg/L	0.084	0.255	1	03/05/2018	11:20
Nitrate-Nitrite (N)	EPA 353.2	0.002	U	mg/L	0.002	0.010	1	03/07/2018	16:02
Chlorophyll a	SM 10200 H	1.0	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018	10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018	08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/02/2018	10:04
Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.01	1	02/09/2018	09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018	10:35
Phosphorus- Total	SM 4500-P E (P	0.007	U	mg/L	0.007	0.020	1	02/20/2018	13:01
TN	TN	0.084	U	mg/L	0.084	0.255	1	03/14/2018	16:02

ANALYTICAL RESULTS

Location: EB_MARCO		*Field ID:* AF46969		*Lab ID:* AF46969			*Collect Date/Time:* 2/8/18 08:20	
Analyte Name	**Method**	**Result**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**
CC-Nitrate-N	CC-Nitrate-N	0.002	U	mg/L	0.002	0.010	1	03/14/2018 16:02
Enterococci	Enterolert/QT	10	U	mpn/100ml	10	10	10	02/08/2018 14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.084	UQ	mg/L	0.084	0.255	1	03/08/2018 12:28
Nitrate-Nitrite (N)	EPA 353.2	0.002	U	mg/L	0.002	0.010	1	03/07/2018 13:47
Chlorophyll a	SM 10200 H	1.0	U	mg/m3	1.00	1.00	1	02/28/2018 10:15
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018 10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018 08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/07/2018 10:21
Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.01	1	02/09/2018 09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/22/2018 10:39
Phosphorus- Total	SM 4500-P E (P	0.007	U	mg/L	0.007	0.020	1	02/23/2018 10:51
TN	TN	0.084	U	mg/L	0.084	0.255	1	03/14/2018 16:02

Location: DUP1		*Field ID:* AF46970		*Lab ID:* AF46970			*Collect Date/Time:* 2/8/18 08:49	
Analyte Name	**Method**	**Result**	**Qualifier**	**Units**	**MDL**	**PQL**	**DF**	**Analysis Date/Time**
CC-Nitrate-N	CC-Nitrate-N	0.011		mg/L	0.002	0.010	1	04/09/2018 15:36
Enterococci	Enterolert/QT	10		mpn/100ml	10	10	10	02/08/2018 14:00
Nitrogen- Total Kjeldahl	EPA 351.2	0.329	Q	mg/L	0.084	0.255	1	03/08/2018 12:25
Nitrate-Nitrite (N)	EPA 353.2	0.011	V	mg/L	0.002	0.010	1	03/07/2018 13:48
Pheophytin	SM 10200 H	1.00	U	mg/m3	1.00	1.00	1	02/28/2018 10:15
Chlorophyll a	SM 10200 H	1.7		mg/m3	1.00	1.00	1	02/28/2018 10:15
Filtration for Chlorophyll and Pheo	SM 10200 H	Completed					1	02/09/2018 08:33
Digestion for TKN	SM 4500 NorgD	Done					1	03/07/2018 10:21
Nitrite (N)	SM 4500-NO2 B	0.002	U	mg/L	0.002	0.01	1	02/09/2018 09:39
Persulfate Digestion for Total P	SM 4500-P B	Completed					1	02/14/2018 10:35
Phosphorus- Total	SM 4500-P E (P	0.016	IJ	mg/L	0.007	0.020	1	02/20/2018 13:01
TN	TN	0.340	V	mg/L	0.084	0.255	1	04/09/2018 15:36

Collier County™
POLLUTION CONTROL
LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Thursday, February 08, 2018
Sampler: Danny Berger
Meter/Notes: Geoff Rosenaw

ACCREDITED
Certificate No
4262.01

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

CCV: Morning

Sonde / Handheld	ProDSS #7	Serial #:	15K101015
Date/Time:	2/8/18 6:37 AM	Operator:	Josh Gravlin
Project:	MARCO		

***** Conductivity *****

Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail
2000	09783	1980	Pass

Associated Calibration File: Calibration_7_013118.xlsm

***** pH *****

pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail
4.00			
7.00	09683	7.02	Pass
10.00			

All CCV Results Pass? **Yes**

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

D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	8.89	101.0	21.6	Pass	8.887	766.4

Notes:

CCV: Afternoon

Date/Time: 2/8/2018 11:45 | Operator: Geoff Rosenaw

***** Conductivity *****

Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail
10000	08353	9878	Pass
70000	09792	68861	Pass

***** pH *****

pH (QA Criteria +.2)	CDI#	Reading	Pass/Fail
4.00			
7.00	09683	7.09	Pass
10.00	09693	10.00	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 --->	8.58	100.6	23.3	Pass	8.606	766.8

Notes:

Collier County Pollition Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | Run: I | Sample Collector: Danny Berger | Meter / Notes: Geoff Rosenaw | Date: 2/8/2018

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)
AF46969	8:20	BARFIELD_BRIDG										
Collection Device	VanDorn; CDI: 05512		Cleaning Protocol:		Flow:			Staff Gauge:			pH < 2:	YES
Comments:	EB taken from CDI08333.										Sample Type:	EB
AF46962	8:35	BARFIELD_BRIDG	22.2	52714	34.79	95.7	6.88	7.80	0.30		1.60	1.60
AF46962B	8:37	BARFIELD_BRIDG	22.3	53035	35.03	88.4	6.34	7.87	1.30		1.60	1.60
Collection Device	Pole Sampler; CDI: 09976		Cleaning Protocol:	J	Flow:			Staff Gauge:			pH < 2:	YES
Comments:	Outgoing tide. Vegetative debris on water surface. Two boats passed during sample collection.										Sample Type:	SAMP
AF46963	9:04	JH_PARK	22.3	51948	34.22	96.4	6.94	7.82	0.30		2.90	2.90
AF46963B	9:06	JH_PARK	22.3	52224	34.43	95.0	6.84	7.89	2.60		2.90	2.90
Collection Device	Pole Sampler; CDI: 09976		Cleaning Protocol:	J	Flow:			Staff Gauge:			pH < 2:	YES
Comments:	Outgoing tide.										Sample Type:	SAMP
AF46964	9:42	COLLIER_BRIDGE	22.6	51150	33.63	102.5	7.37	7.79	0.30		2.30	2.30
AF46964B	9:44	COLLIER_BRIDGE	22.2	51929	34.21	88.9	6.41	7.84	2.00		2.30	2.30
Collection Device	Pole Sampler; CDI: 09976		Cleaning Protocol:	J	Flow:			Staff Gauge:			pH < 2:	YES
Comments:	Outgoing tide. Vegetative debris on surface.										Sample Type:	SAMP

Bottles Per Site:	4	Matrix: SW	Named storm event that impacted sampling event?	No	
Bottles Shipped Per Site:	0	Weather:	Sunny. Low 80s. No rain.		
Sampling SOP:	FSQM 03-02	24 HRS Prior Weather:	Similar.		

Prepared By: Geoff Rosenaw — Signed: 2/8/2018 12:02:24 PM
Reviewed By: Danny Berger — Signed: 2/16/2018 1:51:22 PM

Collier County Pollition Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | Run: I | Sample Collector: Danny Berger | Meter / Notes: Geoff Rosenaw | Date: 2/8/2018

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)
AF46965	10:06	HC_CENTER	22.4	51088	33.59	103.0	7.44	7.79	0.30		2.20	2.20
AF46965B	10:08	HC_CENTER	22.3	51804	34.12	81.0	5.84	7.75	1.90		2.20	2.20

Collection Device: Pole Sampler; CDI: 09976 | Cleaning Protocol: J | Flow: | Staff Gauge: | pH < 2: YES
Comments: 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)
AF46966	10:33	KENDALL	22.8	51969	34.23	105.3	7.52	7.89	0.30		0.90	0.90

Collection Device: Pole Sampler; CDI: 09976 | Cleaning Protocol: J | Flow: No flow. | Staff Gauge: | pH < 2: YES
Comments: | 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:

Number of Bottles at Each Site:	4	Matrix: SW	Named storm event that impacted sampling event?	No	
Number of Bottles Being Shipped:	0	Weather:	Sunny. Low 80s. No rain.	Prepared By:	Geoff Rosenaw
Sampling SOP Used:	FSQM 03-02	24 HRS Prior Weather:	Similar.	Reviewed By:	Danny Berger

Collier County Pollition Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO
Run: I
Sample Collector: Danny Berger
Meter / Notes: Geoff Rosenaw
Date: 2/8/2018

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:

Number of Bottles at Each Site:	4	Matrix: SW	Named storm event that impacted sampling event?	No
Number of Bottles Being Shipped:	0	Weather:	Sunny. Low 80s. No rain.	
Sampling SOP Used:	FSQM 03-02	24 HRS Prior Weather:	Similar.	

Prepared By: Geoff Rosenaw
Reviewed By: Danny Berger

Collier County Pollition Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | Run: I | Sample Collector: Danny Berger | Meter / Notes: Geoff Rosenaw | Date: 2/8/2018

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

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

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

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

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

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

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

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

Number of Bottles at Each Site:	4	Matrix: SW	Named storm event that impacted sampling event?	No	
Number of Bottles Being Shipped:	0	Weather:	Sunny. Low 80s. No rain.	Prepared By:	Geoff Rosenaw
Sampling SOP Used:	FSQM 03-02	24 HRS Prior Weather:	Similar.	Reviewed By:	Danny Berger

Collier County
POLLUTION CONTROL
SAV BLUE

Collier County Pollution Control Department Chain of Custody

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

NELAC Certification: #E45464

Client Information

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

Project	MARCO
Sample Collector(s):	
Danny Berger	
Sample Collector Signature:	
Relinquished By: (Signature)	
Received By: (Signature)	
Relinquished By: (Signature)	
Received By: (Signature)	

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

Date/Time	2/8/18 11:59 AM
Date/Time	2/8/18 11:59 AM
Date/Time	
Date/Time	

PRESERVATION CODES	Lot#	Prs. Vol.	Prs. Lot#	Prs. Supp.	Prs. Date	Initials
2C 1L Opaque HDPE/Light-shielded/Ice	AF46123					
3S 250ml HDPE/H2SO4/Ice	69632	16 Drops	RP09375	Fisher	2/8/2018	GR
4F 250ml HDPE/Filtered/Ice	69632					
5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI 10103					
14 Whatman Polydisc GW 0.45µm	A10217943					

Parameters	Chlorophyll-PC, Phaeophytin-PC, Prep-Chloro	Nitrate-Nitrite-PC, Nitrogen-TKN-PC, Phosphorus-PC, Prep-TKN, Prep-TP	Nitrite-PC	Enterolert-PC	TN-PC, CC-Nitrate-N-PC						
Bottle Codes	2C	3S	4F	5J	Calc						
# of sample Containers Submited	1	1	1	1							

Sample Check-In	
Sample(s) Intact?	
Rec'd in wet ice?	
Temp °C:	
Proper Sample ID?	
Rec'd within hold time?	
Acid preserved samples pH<2?	
Chlorine Residual 0 ppm?	
Logged In?	
Scanned?	

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	Lab ID #
2/8/2018	8:20	#N/A	#N/A	#N/A	BARFIELD_BRIDGE	SW	AF46961
2/8/2018	8:35	7.80	52714	0.30	BARFIELD_BRIDGE	SW	AF46962
2/8/2018	9:04	7.82	51948	0.30	JH_PARK	SW	AF46963
2/8/2018	9:42	7.79	51150	0.30	COLLIER_BRIDGE	SW	AF46964
2/8/2018	10:06	7.79	51088	0.30	HC_CENTER	SW	AF46965
2/8/2018	10:33	7.89	51969	0.30	KENDALL	SW	AF46966

Notes:

Sheet & Cell Reference	Initial Value	Changed To	User	Date & Time	Reason For Change	Analyst E-verified Signature
Field Sheet-H1	Geoff Rosenaw	Danny Berger	Sampler	2/8/2018 8:20	Incorrect initial entry.	Joshua Gravlin
Field Sheet-F7	J		Sampler	2/8/2018 8:21	Incorrect initial entry.	Joshua Gravlin
Field Sheet-B22	Outgoing tide. Vegetative debris on water surface. Two boats passed during sample collection.	Outgoing tide.	Sampler	2/8/2018 9:14	Incorrect initial entry.	Joshua Gravlin
Field Sheet-B28	Pole Sampler; CDI: 09650	Pole Sampler; CDI: 09978	Sampler	2/8/2018 9:51	Incorrect initial entry.	Joshua Gravlin
Field Sheet-M46	NO	YES	Sampler	2/8/2018 10:39	Incorrect initial entry.	Joshua Gravlin
Calibration-B33	1/7/1900 2:09	9683	Sampler	2/8/2018 11:51	Incorrect initial entry.	Joshua Gravlin
Field Sheet-A44	AF46967	AF48968	Sampler	2/8/2018 11:54	Incorrect initial entry.	Joshua Gravlin

KorDEG MEASUREMENT DATA FILE EXPORT

FILE CREATED 2/6/2018 16:44

DATE	TIME	SITE	Barometric Temp (°C)		Sp Cond (µ	TDS (mg/L)	Sal (ppt)	pH		pH (mV)	TSS (mg/L)	Turbidity	DOC	DO (mg/L)	DO (% Local Sat)
2/6/2018	8:35:40 AM	sf46962	767.9	22.2	52713.5	34264	34.79	7.8	-68.1	0	1.55	96.7	6.88	95.7
2/6/2018	8:37:19 AM	sf46962	767.9	22.3	53034.5	34473	35.03	7.87	-72.9	0	7.29	89.3	6.94	88.4
2/6/2018	9:34:01 AM	sf46963	767.8	22.3	51947.7	33765	34.22	7.82	-69.4	0	0.69	97.4	6.84	96.4
2/6/2018	9:36:38 AM	sf46963	767.9	22.3	52224.4	33946	34.43	7.89	-73.5	0	1.12	96	6.84	96
2/6/2018	9:52:22 AM	sf46964	768.1	22.6	51149.7	33247	33.83	7.79	-67.6	0	0.44	104	7.87	102.6
2/6/2018	9:44:16 AM	sf46964	768.1	22.2	51629.1	33754	34.21	7.84	-70.4	0	1.22	88.8	6.41	86.8
2/6/2018	10:30:35 AM	sf46965	768	22.4	51088.1	33207	33.59	7.78	-67.5	0	0.28	104	7.44	103
2/6/2018	10:26:31 AM	sf46965	768	22.3	51803.7	33672	34.12	7.75	-65.1	0	0.87	81.8	5.84	81
2/6/2018	10:33:12 AM	sf46967	768.1	22.6	51959.4	33790	34.23	7.86	-73.6	0	0.88	106	7.82	105.3

[illegible]

[illegible]

Collier County™
POLLUTION CONTROL
LIVE GREEN. SAVE BLUE.

Field Sampling Report

Date: Thursday, February 08, 2018
Sampler: Chris Lienhardt
Meter/Notes: Josh Gravlin

A2LA ACCREDITED
Certificate No
4262.01

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

CCV: Morning

Sonde / Handheld	ProDSS #9	Serial #:	15L100504
Date/Time:	2/8/18 6:39 AM	Operator:	Josh Gravlin
Project:	MARCO		

***** Conductivity *****

Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail
2000	09783	1989	Pass

Associated Calibration File: Calibration_9_13118.xlsm

***** pH *****

pH (QA Criteria ±.2)	CDI#	Reading	Pass/Fail
4.00			
7.00	09683	7.10	Pass
10.00			

All CCV Results Pass? Yes

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

D.O. (QA Criteria ±3mg/l)	mg/L	%	°C	Pass/Fail	True Value	Barometric Pressure
CCV Readings --->	9.05	100.0	20.7	Pass	9.056	767.3

Notes:

CCV: Afternoon

Date/Time:	2/8/2018 11:33	Operator:	Josh Gravlin

***** Conductivity *****

Standard (µmhos/cm) ± 5%	CDI#	Reading	Pass/Fail
10000	08353	10157	Pass
70000	09792	71255	Pass

***** pH *****

pH (QA Criteria +.2)	CDI#	Reading	Pass/Fail
4.00			
7.00	09683	7.02	Pass
10.00	09692	10.02	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 --->	8.66	101.1	23.6	Pass	8.569	767.8

Notes:

Collier County Pollition Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | Run: II | Sample Collector: Chris Lienhardt | Meter / Notes: Josh Gravlin | Date: 2/8/2018

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)
AF46956	8:27	WINDMILL	22.5	53536	35.40	93.8	6.69	7.76	0.30		2.60	1.50
AF46956B	8:28	WINDMILL	22.6	54118	35.83	86.7	6.16	7.78	2.30		2.60	1.50
Collection Device: Pole Sampler; CDI: 08650				Cleaning Protocol: J		Flow: Flow.			Staff Gauge:		pH < 2: Yes	
Comments: Visibly outgoing tide. Stormwater outflow discharging visibly turbid water adjacent to 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)
AF46957	8:46	HOLLYHOCK	22.7	53845	35.62	82.7	5.87	7.74	0.30		1.20	1.20
Collection Device: Pole Sampler; CDI: 08650				Cleaning Protocol: J		Flow: No flow.			Staff Gauge:		pH < 2: Yes	
Comments: Lawn clippings on surface of water. Ray disturbed benthic surface during sampling event. No visible tidal movement.											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)
AF46970	8:49	HOLLYHOCK	22.7	53888	35.66	82.5	5.85	7.75	0.30		1.20	1.20
Collection Device: Pole Sampler; CDI: 08650				Cleaning Protocol: J		Flow: No flow.			Staff Gauge:		pH < 2: Yes	
Comments: Lawn clippings on surface of water. Ray disturbed benthic surface during sampling event. No visible tidal movement.											Sample Type:	REP

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)
AF46959	9:33	MCILVAINE	21.4	54238	35.93	94.1	6.83	7.96	0.30		1.60	1.00
AF46959B	9:34	MCILVAINE	21.3	54229	35.93	92.6	6.73	7.95	1.30		1.60	1.00
Collection Device: Pole Sampler; CDI: 08650				Cleaning Protocol: J		Flow: No flow.			Staff Gauge:		pH < 2: Yes	
Comments: No visible tidal movement. Vegetative debris and organic sheen present on water surface.											Sample Type:	SAMP

Bottles Per Site:	4	Matrix: SW	Named storm event that impacted sampling event?	No
Bottles Shipped Per Site:	0	Weather:	Sunny w/some clouds. High in the 80s.	
Sampling SOP:	FSQM 03-02	24 HRS Prior Weather:	Similar.	

Prepared By: Joshua Gravlin — Signed: 2/8/2018 12:14:43 PM

Reviewed By: Christopher Lienhardt — Signed: 2/27/2018 1:07:41 PM

Collier County Pollition Control Surface Water Field Workbook
Field Sheet Worksheet

Program: MARCO | Run: II | Sample Collector: Chris Lienhardt | Meter / Notes: Josh Gravlin | Date: 2/8/2018

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)
AF46960	10:03	INTERBERRY_BR	22.3	53609	35.45	101.9	7.30	7.91	0.30		1.70	1.70
AF46960B	10:04	INTERBERRY_BR	22.1	53875	35.65	100.5	7.22	7.94	1.40		1.70	1.70

Collection Device: Pole Sampler; CDI: 08650 | Cleaning Protocol: J | Flow: No flow. | Staff Gauge: | pH < 2: Yes
Comments: Strong smell of bat guano coming from bridge adjacent to site. No visible tidal movement. | 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)
AF46961	10:22	INTERBERRY_BR	22.1	53490	35.37	98.1	7.05	7.91	0.30			1.70

Collection Device: VanDorn; CDI: 08721 | Cleaning Protocol: J | Flow: Flow. | Staff Gauge: | pH < 2: Yes
Comments: Visibly outgoing tide. Could not obtain Total Depth or bottom parameter reading due to current strength in channel. | 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)
AF46968	10:29	INTERBERRY_BR										

Collection Device: VanDorn; CDI: 08721 | Cleaning Protocol: | Flow: | Staff Gauge: | pH < 2: Yes
Comments: FB collected from CDI 08507. | Sample Type: FCEB

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

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

Number of Bottles at Each Site:	4	Matrix: SW	Named storm event that impacted sampling event?	No	
Number of Bottles Being Shipped:	0	Weather:	Sunny w/some clouds. High in the 80s.	Prepared By:	Joshua Gravlin
Sampling SOP Used:	FSQM 03-02	24 HRS Prior Weather:	Similar.	Reviewed By:	Christopher Lienhardt

Program: MARCO | Run: II | Sample Collector: Chris Lienhardt | Meter / Notes: Josh Gravlin | Date: 2/8/2018

Collier County Pollition Control Surface Water Field Workbook
Field Sheet Worksheet

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:	

Number of Bottles at Each Site:	4	Matrix: SW	Named storm event that impacted sampling event?	No
Number of Bottles Being Shipped:	0	Weather:	Sunny w/some clouds. High in the 80s.	
Sampling SOP Used:	FSQM 03-02	24 HRS Prior Weather:	Similar.	

Prepared By: Joshua Gravlin

Reviewed By: Christopher Lienhardt

Program: MARCO

Run: II

Sample Collector: Chris Lienhardt

Meter / Notes: Josh Gravlin

Date: 2/8/2018

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

									(meters)	(feet)	(meters)	(meters)

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

Comments:

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

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

Comments:

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

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

Comments:

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

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

Comments:

Number of Bottles at Each Site:	4	Matrix: SW	Named storm event that impacted sampling event?	No	
Number of Bottles Being Shipped:	0	Weather:	Sunny w/some clouds. High in the 80s.		
Sampling SOP Used:	FSQM 03-02	24 HRS Prior Weather:	Similar.		

Prepared By: Joshua Gravlin

Reviewed By: Christopher Lienhardt

Collier County
POLLUTION CONTROL
LIVE GREEN.

Collier County Pollution Control Department Chain of Custody

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

NELAC Certification: #E45464

Client Information

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

Project	MARCO
Sample Collector(s):	
Chris Lienhardt	
Sample Collector Signature:	
Relinquished By: (Signature)	
Received By: (Signature)	
Relinquished By: (Signature)	
Received By: (Signature)	

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

Date/Time	2/8/18 11:36 AM
Date/Time	2/8/18 11:36 AM
Date/Time	
Date/Time	

PRESERVATION CODES	Lot#	Prs. Vol.	Prs. Lot#	Prs. Supp.	Prs. Date	Initials
2C 1L Opaque HDPE/Light-shielded/Ice	AF46123					
3S 250ml HDPE/H2SO4/Ice	69632	16 drops	RP 09374	Fisher	2/8/2018	JAG/CTL
4F 250ml HDPE/Filtered/Ice	69632					
5J 120mL HDPE w/Sodium Thiosulfate/Ice	CDI 10103					
1A Whatman Polydisc GW 0.45µm	A10217943					

Parameters	Sample Check-In	
Chlorophyll-PC, Phaeophytin-PC, Prep-Chloro	Sample(s) Intact?	
Nitrate-Nitrite-PC, Nitrogen-TKN-PC, Phosphorus-PC, Prep-TKN, Prep-TP	Rec'd in wet ice?	
Nitrite-PC	Temp °C:	
Enterolert-PC	Proper Sample ID?	
TN-PC, CC-Nitrate-N-PC	Rec'd within hold time?	
	Acid preserved samples pH<2?	
	Chlorine Residual 0 ppm?	
Bottle Codes	Logged In?	
2C 3S 4F 5J Calc	Scanned?	
# of sample Containers Submited	Lab ID #	

Date	Time	Field pH	Sp. Cond.	Sample Depth	Location	Matrix	2C	3S	4F	5J	Calc	Lab ID #
2/8/2018	8:27	7.76	53536	0.30	WINDMILL	SW	1	1	1	1		AF46956
2/8/2018	8:46	7.74	53845	0.30	HOLLYHOCK	SW	1	1	1	1		AF46957
2/8/2018	8:49	7.75	53888	0.30	HOLLYHOCK	SW	1	1	1	1		AF46970
2/8/2018	9:33	7.96	54238	0.30	MCILVAINE	SW	1	1	1	1		AF46959
2/8/2018	10:03	7.91	53609	0.30	E_WINTERBERRY_BRIDG	SW	1	1	1	1		AF46960
2/8/2018	10:22	7.91	53490	0.30	W_WINTERBERRY_BRIDG	SW	1	1	1	1		AF46961
2/8/2018	10:29	#N/A	#N/A	#N/A	W_WINTERBERRY_BRIDG	SW	1	1	1	1		AF46968

Notes:

Sheet & Cell Reference	Initial Value	Changed To	User	Date & Time	Reason For Change	Analyst E-verified Signature
Field Sheet-B47	Visibly outgoing tide.	Visibly outgoing tide. Could not obtain Total Depth or bottom parameter reading due to current strength in channel.	Sampler	2/8/2018 10:35	Added additional info	Joshua Gravlin
Field Sheet-M54	FB	FCEB	joshuagravlin	4/24/2018 7:48	Should have been on FCEB as the equipment was previously used.	Joshua Gravlin

KorDSS MEASUREMENT DATA FILE EXPORT

FILE CREA ########

DATE	TIME	SITE	Barometer	Temp (°C)	Cond (µS/c	Sp Cond (µ	nLFCond (	Sal (ppt)	Sigma-T (s	Sigma (s)	pH	pH (mV)	ORP (mV)	ODO (% S	ODO (mg/l	ODO (% LocalB)
2/8/2018	########	af46958	768.5	22.5	51010.2	53535.9	53784.4	35.4	24.4	24.4	7.76	-65	225.1	94.8	6.69	93.8
2/8/2018	########	af46956	768.5	22.6	51619.2	54117.7	54363.8	35.83	24.7	24.7	7.76	-66.6	237.2	87.6	6.16	86.7
2/8/2018	########	af46957	768.7	22.7	51485.7	53844.7	54077.5	35.62	24.5	24.5	7.74	-64.1	297.3	83.7	5.87	82.7
2/8/2018	########	af46970	768.6	22.7	51535.6	53887.7	54120	35.66	24.5	24.5	7.75	-64.9	287.7	83.4	5.85	82.5
2/8/2018	########	af46959	768.7	21.4	50469.6	54237.8	54599.2	35.93	25.1	25.1	7.96	-76.4	268.5	95.2	6.83	94.1
2/8/2018	########	af46958	768.8	21.3	50393.2	54228.7	54595.1	35.93	25.1	25.1	7.95	-75.9	262.9	93.7	6.73	92.6
2/8/2018	########	af46960	768.9	22.3	50866.8	53609.4	53878	35.45	24.5	24.5	7.91	-74	267.8	103.1	7.3	101.9
2/8/2018	########	af46950	769	22.1	50863.1	53874.8	54168.2	35.65	24.7	24.7	7.94	-75.2	265.3	101.7	7.22	100.5
2/8/2018	########	af46961	768.7	22.1	50510.9	53490.4	53780.8	35.37	24.5	24.5	7.91	-73.8	268	99.2	7.05	98.1

[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]	[illegible]	[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]	[illegible]	[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen	[illegible]	[illegible]	mg/L	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen Saturation	[illegible]	[illegible]	%	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen Saturation	[illegible]	[illegible]	%	[illegible]		[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen Saturation	[illegible]	[illegible]	%	[illegible]	[illegible]	[illegible]
[illegible]	MARCO	[illegible]	[illegible]	Field	Field Testing	[illegible]	[illegible]	Dissolved Oxygen Saturation	[illegible]	[illegible]	%	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ClientSampleId	StationID	SampleType	LabAnalysisRefMethodID	LabSampleId	LabID	ClientAnalyteID	AnalyteName	Result	Error
AF46956	WINDMILL	SAMP	SM 10200 H	AF46956	E45464	WIN-001	Chlorophyll a- correcte	2.8	
AF46957	HOLLYHOCK	SAMP	SM 10200 H	AF46957	E45464	WIN-001	Chlorophyll a- correcte	1.5	
AF46959	MCILVAINE	SAMP	SM 10200 H	AF46959	E45464	WIN-001	Chlorophyll a- correcte	2.1	
AF46960	E_WINTERBERRY_BR	SAMP	SM 10200 H	AF46960	E45464	WIN-001	Chlorophyll a- correcte	3	
AF46961	W_WINTERBERRY_BI	SAMP	SM 10200 H	AF46961	E45464	WIN-001	Chlorophyll a- correcte	2.3	
AF46962	BARFIELD_BRIDGE	SAMP	SM 10200 H	AF46962	E45464	WIN-001	Chlorophyll a- correcte	3.4	
AF46963	JH_PARK	SAMP	SM 10200 H	AF46963	E45464	WIN-001	Chlorophyll a- correcte	4	
AF46964	COLLIER_BRIDGE	SAMP	SM 10200 H	AF46964	E45464	WIN-001	Chlorophyll a- correcte	2.4	
AF46965	HC_CENTER	SAMP	SM 10200 H	AF46965	E45464	WIN-001	Chlorophyll a- correcte	2.7	
AF46966	KENDALL	SAMP	SM 10200 H	AF46966	E45464	WIN-001	Chlorophyll a- correcte	1.4	
AF46968	FIELD QC BLANK	FCEB	SM 10200 H	AF46968	E45464	WIN-001	Chlorophyll a- correcte	1	
AF46969	FIELD QC BLANK	EB	SM 10200 H	AF46969	E45464	WIN-001	Chlorophyll a- correcte	1	
AF46970	HOLLYHOCK	FD	SM 10200 H	AF46970	E45464	WIN-001	Chlorophyll a- correcte	1.7	
AF46956	WINDMILL	SAMP	Enterolert/(	AF46956	E45464	WIN-031	Enterococci (MPN)	10	
AF46957	HOLLYHOCK	SAMP	Enterolert/(	AF46957	E45464	WIN-031	Enterococci (MPN)	10	
AF46959	MCILVAINE	SAMP	Enterolert/(	AF46959	E45464	WIN-031	Enterococci (MPN)	10	
AF46960	E_WINTERBERRY_BR	SAMP	Enterolert/(	AF46960	E45464	WIN-031	Enterococci (MPN)	31	
AF46961	W_WINTERBERRY_BI	SAMP	Enterolert/(	AF46961	E45464	WIN-031	Enterococci (MPN)	10	
AF46962	BARFIELD_BRIDGE	SAMP	Enterolert/(	AF46962	E45464	WIN-031	Enterococci (MPN)	10	
AF46963	JH_PARK	SAMP	Enterolert/(	AF46963	E45464	WIN-031	Enterococci (MPN)	10	
AF46964	COLLIER_BRIDGE	SAMP	Enterolert/(	AF46964	E45464	WIN-031	Enterococci (MPN)	10	
AF46965	HC_CENTER	SAMP	Enterolert/(	AF46965	E45464	WIN-031	Enterococci (MPN)	10	
AF46966	KENDALL	SAMP	Enterolert/(	AF46966	E45464	WIN-031	Enterococci (MPN)	10	
AF46968	FIELD QC BLANK	FCEB	Enterolert/(	AF46968	E45464	WIN-031	Enterococci (MPN)	10	
AF46969	FIELD QC BLANK	EB	Enterolert/(	AF46969	E45464	WIN-031	Enterococci (MPN)	10	
AF46970	HOLLYHOCK	FD	Enterolert/(	AF46970	E45464	WIN-031	Enterococci (MPN)	10	
AF46956	WINDMILL	SAMP	CC-Nitrate-I	AF46956	E45464	620	Nitrate (N)	0.004	
AF46957	HOLLYHOCK	SAMP	CC-Nitrate-I	AF46957	E45464	620	Nitrate (N)	0.011	
AF46959	MCILVAINE	SAMP	CC-Nitrate-I	AF46959	E45464	620	Nitrate (N)	0.012	
AF46960	E_WINTERBERRY_BR	SAMP	CC-Nitrate-I	AF46960	E45464	620	Nitrate (N)	0.003	
AF46961	W_WINTERBERRY_BI	SAMP	CC-Nitrate-I	AF46961	E45464	620	Nitrate (N)	0.01	

AF46962	BARFIELD_BRIDGE	SAMP	CC-Nitrate-N	AF46962	E45464	620 Nitrate (N)	0.002
AF46963	JH_PARK	SAMP	CC-Nitrate-N	AF46963	E45464	620 Nitrate (N)	0.002
AF46964	COLLIER_BRIDGE	SAMP	CC-Nitrate-N	AF46964	E45464	620 Nitrate (N)	0.004
AF46965	HC_CENTER	SAMP	CC-Nitrate-N	AF46965	E45464	620 Nitrate (N)	0.002
AF46966	KENDALL	SAMP	CC-Nitrate-N	AF46966	E45464	620 Nitrate (N)	0.002
AF46968	FIELD QC BLANK	FCEB	CC-Nitrate-N	AF46968	E45464	620 Nitrate (N)	0.002
AF46969	FIELD QC BLANK	EB	CC-Nitrate-N	AF46969	E45464	620 Nitrate (N)	0.002
AF46970	HOLLYHOCK	FD	CC-Nitrate-N	AF46970	E45464	620 Nitrate (N)	0.011
AF46956	WINDMILL	SAMP	EPA 353.2 (I	AF46956	E45464	1820 Nitrate-Nitrite (N)	0.004
AF46957	HOLLYHOCK	SAMP	EPA 353.2 (I	AF46957	E45464	1820 Nitrate-Nitrite (N)	0.014
AF46959	MCILVAINE	SAMP	EPA 353.2 (I	AF46959	E45464	1820 Nitrate-Nitrite (N)	0.012
AF46960	E_WINTERBERRY_BR	SAMP	EPA 353.2 (I	AF46960	E45464	1820 Nitrate-Nitrite (N)	0.006
AF46961	W_WINTERBERRY_BI	SAMP	EPA 353.2 (I	AF46961	E45464	1820 Nitrate-Nitrite (N)	0.013
AF46962	BARFIELD_BRIDGE	SAMP	EPA 353.2 (I	AF46962	E45464	1820 Nitrate-Nitrite (N)	0.002
AF46963	JH_PARK	SAMP	EPA 353.2 (I	AF46963	E45464	1820 Nitrate-Nitrite (N)	0.002
AF46964	COLLIER_BRIDGE	SAMP	EPA 353.2 (I	AF46964	E45464	1820 Nitrate-Nitrite (N)	0.006
AF46965	HC_CENTER	SAMP	EPA 353.2 (I	AF46965	E45464	1820 Nitrate-Nitrite (N)	0.003
AF46966	KENDALL	SAMP	EPA 353.2 (I	AF46966	E45464	1820 Nitrate-Nitrite (N)	0.002
AF46968	FIELD QC BLANK	FCEB	EPA 353.2 (I	AF46968	E45464	1820 Nitrate-Nitrite (N)	0.002
AF46969	FIELD QC BLANK	EB	EPA 353.2 (I	AF46969	E45464	1820 Nitrate-Nitrite (N)	0.002
AF46970	HOLLYHOCK	FD	EPA 353.2 (I	AF46970	E45464	1820 Nitrate-Nitrite (N)	0.011
AF46956	WINDMILL	SAMP	SM 4500-NO	AF46956	E45464	1835 Nitrite (N)	0.002
AF46957	HOLLYHOCK	SAMP	SM 4500-NO	AF46957	E45464	1835 Nitrite (N)	0.003
AF46959	MCILVAINE	SAMP	SM 4500-NO	AF46959	E45464	1835 Nitrite (N)	0.002
AF46960	E_WINTERBERRY_BR	SAMP	SM 4500-NO	AF46960	E45464	1835 Nitrite (N)	0.003
AF46961	W_WINTERBERRY_BI	SAMP	SM 4500-NO	AF46961	E45464	1835 Nitrite (N)	0.003
AF46962	BARFIELD_BRIDGE	SAMP	SM 4500-NO	AF46962	E45464	1835 Nitrite (N)	0.002
AF46963	JH_PARK	SAMP	SM 4500-NO	AF46963	E45464	1835 Nitrite (N)	0.002
AF46964	COLLIER_BRIDGE	SAMP	SM 4500-NO	AF46964	E45464	1835 Nitrite (N)	0.002
AF46965	HC_CENTER	SAMP	SM 4500-NO	AF46965	E45464	1835 Nitrite (N)	0.004
AF46966	KENDALL	SAMP	SM 4500-NO	AF46966	E45464	1835 Nitrite (N)	0.002
AF46968	FIELD QC BLANK	FCEB	SM 4500-NO	AF46968	E45464	1835 Nitrite (N)	0.002
AF46969	FIELD QC BLANK	EB	SM 4500-NO	AF46969	E45464	1835 Nitrite (N)	0.002
AF46970	HOLLYHOCK	FD	SM 4500-NO	AF46970	E45464	1835 Nitrite (N)	0.002

AF46956	WINDMILL	SAMP	TN	AF46956	E45464	FL-INORG-0	Nitrogen- Total	0.235
AF46957	HOLLYHOCK	SAMP	TN	AF46957	E45464	FL-INORG-0	Nitrogen- Total	0.282
AF46959	MCILVAINE	SAMP	TN	AF46959	E45464	FL-INORG-0	Nitrogen- Total	0.29
AF46960	E_WINTERBERRY_BR	SAMP	TN	AF46960	E45464	FL-INORG-0	Nitrogen- Total	0.267
AF46961	W_WINTERBERRY_BI	SAMP	TN	AF46961	E45464	FL-INORG-0	Nitrogen- Total	0.303
AF46962	BARFIELD_BRIDGE	SAMP	TN	AF46962	E45464	FL-INORG-0	Nitrogen- Total	0.179
AF46963	JH_PARK	SAMP	TN	AF46963	E45464	FL-INORG-0	Nitrogen- Total	0.227
AF46964	COLLIER_BRIDGE	SAMP	TN	AF46964	E45464	FL-INORG-0	Nitrogen- Total	0.146
AF46965	HC_CENTER	SAMP	TN	AF46965	E45464	FL-INORG-0	Nitrogen- Total	1.163
AF46966	KENDALL	SAMP	TN	AF46966	E45464	FL-INORG-0	Nitrogen- Total	0.136
AF46968	FIELD QC BLANK	FCEB	TN	AF46968	E45464	FL-INORG-0	Nitrogen- Total	0.084
AF46969	FIELD QC BLANK	EB	TN	AF46969	E45464	FL-INORG-0	Nitrogen- Total	0.084
AF46970	HOLLYHOCK	FD	TN	AF46970	E45464	FL-INORG-0	Nitrogen- Total	0.34
AF46956	WINDMILL	SAMP	EPA 351.2	AF46956	E45464	1790	Nitrogen- Total Kjeldah	0.231
AF46957	HOLLYHOCK	SAMP	EPA 351.2	AF46957	E45464	1790	Nitrogen- Total Kjeldah	0.268
AF46959	MCILVAINE	SAMP	EPA 351.2	AF46959	E45464	1790	Nitrogen- Total Kjeldah	0.278
AF46960	E_WINTERBERRY_BR	SAMP	EPA 351.2	AF46960	E45464	1790	Nitrogen- Total Kjeldah	0.261
AF46961	W_WINTERBERRY_BI	SAMP	EPA 351.2	AF46961	E45464	1790	Nitrogen- Total Kjeldah	0.29
AF46962	BARFIELD_BRIDGE	SAMP	EPA 351.2	AF46962	E45464	1790	Nitrogen- Total Kjeldah	0.177
AF46963	JH_PARK	SAMP	EPA 351.2	AF46963	E45464	1790	Nitrogen- Total Kjeldah	0.225
AF46964	COLLIER_BRIDGE	SAMP	EPA 351.2	AF46964	E45464	1790	Nitrogen- Total Kjeldah	0.14
AF46965	HC_CENTER	SAMP	EPA 351.2	AF46965	E45464	1790	Nitrogen- Total Kjeldah	1.16
AF46966	KENDALL	SAMP	EPA 351.2	AF46966	E45464	1790	Nitrogen- Total Kjeldah	0.134
AF46968	FIELD QC BLANK	FCEB	EPA 351.2	AF46968	E45464	1790	Nitrogen- Total Kjeldah	0.084
AF46969	FIELD QC BLANK	EB	EPA 351.2	AF46969	E45464	1790	Nitrogen- Total Kjeldah	0.084
AF46970	HOLLYHOCK	FD	EPA 351.2	AF46970	E45464	1790	Nitrogen- Total Kjeldah	0.329
AF46956	WINDMILL	SAMP	SM 10200 H	AF46956	E45464	603178	Pheophytin a	1
AF46957	HOLLYHOCK	SAMP	SM 10200 H	AF46957	E45464	603178	Pheophytin a	1
AF46959	MCILVAINE	SAMP	SM 10200 H	AF46959	E45464	603178	Pheophytin a	1
AF46960	E_WINTERBERRY_BR	SAMP	SM 10200 H	AF46960	E45464	603178	Pheophytin a	1
AF46961	W_WINTERBERRY_BI	SAMP	SM 10200 H	AF46961	E45464	603178	Pheophytin a	1
AF46962	BARFIELD_BRIDGE	SAMP	SM 10200 H	AF46962	E45464	603178	Pheophytin a	1
AF46963	JH_PARK	SAMP	SM 10200 H	AF46963	E45464	603178	Pheophytin a	1
AF46964	COLLIER_BRIDGE	SAMP	SM 10200 H	AF46964	E45464	603178	Pheophytin a	1

AF46965	HC_CENTER	SAMP	SM 10200 H	AF46965	E45464	603178	Pheophytin a	1
AF46966	KENDALL	SAMP	SM 10200 H	AF46966	E45464	603178	Pheophytin a	1
AF46968	FIELD QC BLANK	FCEB	SM 10200 H	AF46968	E45464	603178	Pheophytin a	1
AF46969	FIELD QC BLANK	EB	SM 10200 H	AF46969	E45464	603178	Pheophytin a	1
AF46970	HOLLYHOCK	FD	SM 10200 H	AF46970	E45464	603178	Pheophytin a	1
AF46956	WINDMILL	SAMP	SM 4500-P I	AF46956	E45464	1910	Phosphorus- Total	0.008
AF46957	HOLLYHOCK	SAMP	SM 4500-P I	AF46957	E45464	1910	Phosphorus- Total	0.007
AF46959	MCILVAINE	SAMP	SM 4500-P I	AF46959	E45464	1910	Phosphorus- Total	0.021
AF46960	E_WINTERBERRY_BR	SAMP	SM 4500-P I	AF46960	E45464	1910	Phosphorus- Total	0.013
AF46961	W_WINTERBERRY_BI	SAMP	SM 4500-P I	AF46961	E45464	1910	Phosphorus- Total	0.007
AF46962	BARFIELD_BRIDGE	SAMP	SM 4500-P I	AF46962	E45464	1910	Phosphorus- Total	0.01
AF46963	JH_PARK	SAMP	SM 4500-P I	AF46963	E45464	1910	Phosphorus- Total	0.007
AF46964	COLLIER_BRIDGE	SAMP	SM 4500-P I	AF46964	E45464	1910	Phosphorus- Total	0.022
AF46965	HC_CENTER	SAMP	SM 4500-P I	AF46965	E45464	1910	Phosphorus- Total	0.007
AF46966	KENDALL	SAMP	SM 4500-P I	AF46966	E45464	1910	Phosphorus- Total	0.007
AF46968	FIELD QC BLANK	FCEB	SM 4500-P I	AF46968	E45464	1910	Phosphorus- Total	0.007
AF46969	FIELD QC BLANK	EB	SM 4500-P I	AF46969	E45464	1910	Phosphorus- Total	0.007
AF46970	HOLLYHOCK	FD	SM 4500-P I	AF46970	E45464	1910	Phosphorus- Total	0.016
AF46926MS		LABQC	EPA 353.2 (I	AF46926MS	E45464	1820	Nitrate-Nitrite (N)	0.518
AF47000MS		LABQC	EPA 353.2 (I	AF47000MS	E45464	1820	Nitrate-Nitrite (N)	0.568
AF47034MS		LABQC	EPA 353.2 (I	AF47034MS	E45464	1820	Nitrate-Nitrite (N)	0.515
AF46956MS		LABQC	SM 4500-NC	AF46956MS	E45464	1835	Nitrite (N)	0.051
AF46925MS		LABQC	EPA 351.2	AF46925MS	E45464	1790	Nitrogen- Total Kjeldah	2.69
AF46963MS		LABQC	EPA 351.2	AF46963MS	E45464	1790	Nitrogen- Total Kjeldah	2.37
AF46972MS		LABQC	EPA 351.2	AF46972MS	E45464	1790	Nitrogen- Total Kjeldah	3.22
AF46608MS		LABQC	SM 4500-P I	AF46608MS	E45464	1910	Phosphorus- Total	0.062
AF46970MS		LABQC	SM 4500-P I	AF46970MS	E45464	1910	Phosphorus- Total	0.075
AF46620MB		LABQC	SM 10200 H	AF46620ME	E45464	WIN-001	Chlorophyll a- correcte	1
AF46853MB		LABQC	SM 10200 H	AF46853ME	E45464	WIN-001	Chlorophyll a- correcte	1
AF46956MB		LABQC	Enterolert/C	AF46956ME	E45464	WIN-031	Enterococci (MPN)	1
AF46926MB		LABQC	EPA 353.2 (I	AF46926ME	E45464	1820	Nitrate-Nitrite (N)	0.002
AF47000MB		LABQC	EPA 353.2 (I	AF47000ME	E45464	1820	Nitrate-Nitrite (N)	0.003
AF47034MB		LABQC	EPA 353.2 (I	AF47034ME	E45464	1820	Nitrate-Nitrite (N)	0.197
AF46956MB		LABQC	SM 4500-NC	AF46956ME	E45464	1835	Nitrite (N)	0.002

AF46925MB	LABQC	EPA 351.2	AF46925ME	E45464	1790	Nitrogen- Total Kjeldah	0.084
AF46963MB	LABQC	EPA 351.2	AF46963ME	E45464	1790	Nitrogen- Total Kjeldah	0.084
AF46972MB	LABQC	EPA 351.2	AF46972ME	E45464	1790	Nitrogen- Total Kjeldah	0.084
AF46620MB	LABQC	SM 10200 H	AF46620ME	E45464	603178	Pheophytin a	1
AF46853MB	LABQC	SM 10200 H	AF46853ME	E45464	603178	Pheophytin a	1
AF46608MB	LABQC	SM 4500-P I	AF46608ME	E45464	1910	Phosphorus- Total	0.007
AF46970MB	LABQC	SM 4500-P I	AF46970ME	E45464	1910	Phosphorus- Total	0.007
AF46620LCS	LABQC	SM 10200 H	AF46620LCS	E45464	WIN-001	Chlorophyll a- correcte	95.1
AF46853LCS	LABQC	SM 10200 H	AF46853LCS	E45464	WIN-001	Chlorophyll a- correcte	105
AF46926LCS	LABQC	EPA 353.2 (I	AF46926LCS	E45464	1820	Nitrate-Nitrite (N)	0.53
AF47000LCS	LABQC	EPA 353.2 (I	AF47000LCS	E45464	1820	Nitrate-Nitrite (N)	0.525
AF47034LCS	LABQC	EPA 353.2 (I	AF47034LCS	E45464	1820	Nitrate-Nitrite (N)	1.48
AF46956LCS	LABQC	SM 4500-N(	AF46956LCS	E45464	1835	Nitrite (N)	0.026
AF46925LCS	LABQC	EPA 351.2	AF46925LCS	E45464	1790	Nitrogen- Total Kjeldah	2.39
AF46963LCS	LABQC	EPA 351.2	AF46963LCS	E45464	1790	Nitrogen- Total Kjeldah	2.47
AF46972LCS	LABQC	EPA 351.2	AF46972LCS	E45464	1790	Nitrogen- Total Kjeldah	2.35
AF46608LCS	LABQC	SM 4500-P I	AF46608LCS	E45464	1910	Phosphorus- Total	0.111
AF46970LCS	LABQC	SM 4500-P I	AF46970LCS	E45464	1910	Phosphorus- Total	0.106
AF46620DUP	LABQC	SM 10200 H	AF46620DU	E45464	WIN-001	Chlorophyll a- correcte	4
AF46853DUP	LABQC	SM 10200 H	AF46853DU	E45464	WIN-001	Chlorophyll a- correcte	14.1
AF46956DUP	LABQC	Enterolert/(	AF46956DU	E45464	WIN-031	Enterococci (MPN)	10
AF46926DUP	LABQC	EPA 353.2 (I	AF46926DU	E45464	1820	Nitrate-Nitrite (N)	0.002
AF47000DUP	LABQC	EPA 353.2 (I	AF47000DU	E45464	1820	Nitrate-Nitrite (N)	0.064
AF47034DUP	LABQC	EPA 353.2 (I	AF47034DU	E45464	1820	Nitrate-Nitrite (N)	0.002
AF46956DUP	LABQC	SM 4500-N(	AF46956DU	E45464	1835	Nitrite (N)	0.002
AF46925DUP	LABQC	EPA 351.2	AF46925DU	E45464	1790	Nitrogen- Total Kjeldah	0.484
AF46963DUP	LABQC	EPA 351.2	AF46963DU	E45464	1790	Nitrogen- Total Kjeldah	0.175
AF46972DUP	LABQC	EPA 351.2	AF46972DU	E45464	1790	Nitrogen- Total Kjeldah	0.848
AF46620DUP	LABQC	SM 10200 H	AF46620DU	E45464	603178	Pheophytin a	2
AF46853DUP	LABQC	SM 10200 H	AF46853DU	E45464	603178	Pheophytin a	1
AF46608DUP	LABQC	SM 4500-P I	AF46608DU	E45464	1910	Phosphorus- Total	0.013
AF46970DUP	LABQC	SM 4500-P I	AF46970DU	E45464	1910	Phosphorus- Total	0.013
207181135	LABQC	SM 10200 H	AF46620	E45464	WIN-001	Chlorophyll a- correcte	3.6
AF47034	LABQC	EPA 353.2 (I	AF47034	E45464	1820	Nitrate-Nitrite (N)	0.002

AF46926	LABQC	EPA 353.2 (I	AF46926	E45464	1820	Nitrate-Nitrite (N)	0.002
AF46925	LABQC	EPA 351.2	AF46925	E45464	1790	Nitrogen- Total Kjeldah	0.507
207181135	LABQC	SM 10200 H	AF46620	E45464	603178	Pheophytin a	1.8
AF46853	LABQC	SM 10200 H	AF46853	E45464	603178	Pheophytin a	1
221181030	LABQC	SM 4500-P I	AF46608	E45464	1910	Phosphorus- Total	0.012
AF46853	LABQC	SM 10200 H	AF46853	E45464	WIN-001	Chlorophyll a- correcte	14.2
AF47000	LABQC	EPA 353.2 (I	AF47000	E45464	1820	Nitrate-Nitrite (N)	0.056
AF46972	LABQC	EPA 351.2	AF46972	E45464	1790	Nitrogen- Total Kjeldah	0.768

ResultUnits	LabQualifiers	DetectionLimit	AnalyteType	Dilution	PercentMoisture	PercentRecovery	RelativePercentDifference	ReportingLimit	ProjectNumber	ProjectName	DateCollected
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1				1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1				1	MARCO	MARCO	#########
mg/m3		1	TRG	1				1	MARCO	MARCO	#########
mpn/100ml	J	10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml	U	10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml		10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml		10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml		10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml		10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml	U	10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml		10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml		10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml	U	10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml	U	10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml	U	10	TRG	10				10	MARCO	MARCO	#########
mpn/100ml		10	TRG	10				10	MARCO	MARCO	#########
mg/L	I	0.002	TRG	1				0.01	MARCO	MARCO	#########
mg/L		0.002	TRG	1				0.01	MARCO	MARCO	#########
mg/L		0.002	TRG	1				0.01	MARCO	MARCO	#########
mg/L	I	0.002	TRG	1				0.01	MARCO	MARCO	#########
mg/L		0.002	TRG	1				0.01	MARCO	MARCO	#########

mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	I	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	I	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L		0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	IV	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	JV	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	JV	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	IJV	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	JV	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	UJ	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	IJV	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	IV	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	IVJ	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	IV	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	V	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	I	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	I	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	I	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	I	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	I	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	IJ	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########
mg/L	U	0.002 TRG	1	0.01 MARCO	MARCO	#########

mg/L	IV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	JV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	JV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	JV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	JV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	IJV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	IJV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	IV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	V	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	IV	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	U	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	U	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	V	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	I	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L		0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L		0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L		0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L		0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	I	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	IJ	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	I	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L		0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	I	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	U	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L	U	0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/L		0.084	TRG	1	0.255	MARCO	MARCO	#########
mg/m3	U	1	TRG	1	1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1	1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1	1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1	1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1	1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1	1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1	1	MARCO	MARCO	#########
mg/m3	U	1	TRG	1	1	MARCO	MARCO	#########

mg/m3	U	1	TRG	1		1	MARCO	MARCO
mg/m3	U	1	TRG	1		1	MARCO	MARCO
mg/m3	U	1	TRG	1		1	MARCO	MARCO
mg/m3	U	1	TRG	1		1	MARCO	MARCO
mg/m3	U	1	TRG	1		1	MARCO	MARCO
mg/L	I	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	U	0.007	TRG	1		0.02	MARCO	MARCO
mg/L		0.007	TRG	1		0.02	MARCO	MARCO
mg/L	I	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	U	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	I	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	U	0.007	TRG	1		0.02	MARCO	MARCO
mg/L		0.007	TRG	1		0.02	MARCO	MARCO
mg/L	U	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	U	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	U	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	U	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	UJ	0.007	TRG	1		0.02	MARCO	MARCO
mg/L	JV	0.002	SPK	1	103	0.01	COCORIVES	COCORIVES
mg/L		0.002	SPK	1	102	0.01	PELICAN BA	PELICAN BA
mg/L	JV	0.002	SPK	1	103	0.01	CCGWTM	CCGWTM
mg/L		0.002	SPK	1	98	0.01	MARCO	MARCO
mg/L	J	0.084	SPK	1	87.3	0.255	COCORIVES	COCORIVES
mg/L	J	0.084	SPK	1	85.8	0.255	MARCO	MARCO
mg/L		0.084	SPK	1	98.1	0.255	PELICAN BA	PELICAN BA
mg/L		0.007	SPK	1	100	0.02	NBAYWQ	NBAYWQ
mg/L	J	0.007	SPK	1	118	0.02	MARCO	MARCO
mg/m3	U	1	TRG	1		1	MBAYWQ	MBAYWQ
mg/m3	U	1	TRG	1		1	CCWQ	CCWQ
mpn/100ml	U	1	TRG	1		1	MARCO	MARCO
mg/L	UJ	0.002	TRG	1		0.01	COCORIVES	COCORIVES
mg/L	IJ	0.002	TRG	1		0.01	PELICAN BA	PELICAN BA
mg/L	J	0.002	TRG	1		0.01	CCGWTM	CCGWTM
mg/L	U	0.002	TRG	1		0.01	MARCO	MARCO

mg/L	U	0.084	TRG	1			0.255	COCORIVES	COCORIVES	#########
mg/L	U	0.084	TRG	1			0.255	MARCO	MARCO	#########
mg/L	U	0.084	TRG	1			0.255	PELICAN BA	PELICAN BA	#########
mg/m3	U	1	TRG	1			1	MBAYWQ	MBAYWQ	#########
mg/m3	U	1	TRG	1			1	CCWQ	CCWQ	#########
mg/L	U	0.007	TRG	1			0.02	NBAYWQ	NBAYWQ	#########
mg/L	U	0.007	TRG	1			0.02	MARCO	MARCO	#########
mg/m3		1	SPK	1	95.1		1	MBAYWQ	MBAYWQ	#########
mg/m3		1	SPK	1	105		1	CCWQ	CCWQ	#########
mg/L		0.002	SPK	1	106		0.01	COCORIVES	COCORIVES	#########
mg/L		0.002	SPK	1	105		0.01	PELICAN BA	PELICAN BA	#########
mg/L		0.002	SPK	1	296		0.01	CCGWTM	CCGWTM	#########
mg/L		0.002	SPK	1	104		0.01	MARCO	MARCO	#########
mg/L		0.084	SPK	1	95.6		0.255	COCORIVES	COCORIVES	#########
mg/L		0.084	SPK	1	98.8		0.255	MARCO	MARCO	#########
mg/L		0.084	SPK	1	94		0.255	PELICAN BA	PELICAN BA	#########
mg/L		0.007	SPK	1	111		0.02	NBAYWQ	NBAYWQ	#########
mg/L		0.007	SPK	1	106		0.02	MARCO	MARCO	#########
mg/m3		1	TRG	1		10.5	1	MBAYWQ	MBAYWQ	#########
mg/m3		1	TRG	1		0.707	1	CCWQ	CCWQ	#########
mpn/100ml	UJ	10	TRG	10		0	10	MARCO	MARCO	#########
mg/L	UJ	0.002	TRG	1		0	0.01	COCORIVES	COCORIVES	#########
mg/L		0.002	TRG	1		-13.3	0.01	PELICAN BA	PELICAN BA	#########
mg/L	UJ	0.002	TRG	1		0	0.01	CCGWTM	CCGWTM	#########
mg/L	U	0.002	TRG	1		0	0.01	MARCO	MARCO	#########
mg/L	J	0.084	TRG	1		4.6	0.255	COCORIVES	COCORIVES	#########
mg/L	IJ	0.084	TRG	1		25	0.255	MARCO	MARCO	#########
mg/L		0.084	TRG	1		-9.9	0.255	PELICAN BA	PELICAN BA	#########
mg/m3		1	TRG	1		10.5	1	MBAYWQ	MBAYWQ	#########
mg/m3	U	1	TRG	1		0	1	CCWQ	CCWQ	#########
mg/L	I	0.007	TRG	1		8	0.02	NBAYWQ	NBAYWQ	#########
mg/L	IJ	0.007	TRG	1		20.7	0.02	MARCO	MARCO	#########
mg/m3		1	TRG	1			1	MBAYWQ	MBAYWQ	#########
mg/L	UJ	0.002	TRG	1			0.01	CCGWTM	CCGWTM	#########

mg/L	UJ	0.002	TRG	1	0.01	COCORIVES	COCORIVES	#########
mg/L	J	0.084	TRG	1	0.255	COCORIVES	COCORIVES	#########
mg/m3		1	TRG	1	1	MBAYWQ	MBAYWQ	#########
mg/m3	U	1	TRG	1	1	CCWQ	CCWQ	#########
mg/L	I	0.007	TRG	1	0.02	NBAYWQ	NBAYWQ	#########
mg/m3		1	TRG	1	1	CCWQ	CCWQ	#########
mg/L		0.002	TRG	1	0.01	PELICAN BA	PELICAN BA	#########
mg/L		0.084	TRG	1	0.255	PELICAN BA	PELICAN BA	#########

MatrixID	QCType	ShippingBatchID	Temperature	PreparationType	AnalysisType	ReportableResult	DatePrepared	DateAnalyzed	TotalOrDissolved	PrepBatchID	MethodBatchID
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107597	M_107597
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S	N			GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018

AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107695	M_107695
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107501	M_107501
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107501	M_107501
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107493	M_107493
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107493	M_107493
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107493	M_107493
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107493	M_107493
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107695	M_107695
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107695	M_107695
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AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107695	M_107695
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107695	M_107695
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107695	M_107695
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226

AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_282018	M_282018
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107657	M_107657
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107657	M_107657
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107657	M_107657
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107657	M_107657
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107657	M_107657
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107657	M_107657
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107659	M_107659
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107659	M_107659
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107659	M_107659
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107659	M_107659
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107659	M_107659
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107661	M_107661
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107661	M_107661
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594

AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107597	M_107597
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107502	M_107502
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S MS	GEN PREP	RES	YES	#########	#########	TOT	P_107501	M_107501
AQUEOUS-F MS	GEN PREP	RES	YES	#########	#########	TOT	P_107695	M_107695
AQUEOUS-F MS	GEN PREP	RES	YES	#########	#########	TOT	P_107493	M_107493
AQUEOUS-S MS	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226
AQUEOUS-S MS	GEN PREP	RES	YES	#########	#########	TOT	P_107657	M_107657
AQUEOUS-S MS	GEN PREP	RES	YES	#########	#########	TOT	P_107659	M_107659
AQUEOUS-F MS	GEN PREP	RES	YES	#########	#########	TOT	P_107661	M_107661
AQUEOUS-S MS	GEN PREP	RES	YES	#########	#########	TOT	P_107502	M_107502
AQUEOUS-S MS	GEN PREP	RES	YES	#########	#########	TOT	P_107351	M_107351
AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107594	M_107594
AQUEOUS-F MB	GEN PREP	RES	YES	#########	#########	TOT	P_107597	M_107597
AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107228	M_107228
AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107501	M_107501
AQUEOUS-F MB	GEN PREP	RES	YES	#########	#########	TOT	P_107695	M_107695
AQUEOUS-F MB	GEN PREP	RES	YES	#########	#########	TOT	P_107493	M_107493
AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107226	M_107226

AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107657 M_107657
AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107659 M_107659
AQUEOUS-F MB	GEN PREP	RES	YES	#########	#########	TOT	P_107661 M_107661
AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107594 M_107594
AQUEOUS-F MB	GEN PREP	RES	YES	#########	#########	TOT	P_107597 M_107597
AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107502 M_107502
AQUEOUS-S MB	GEN PREP	RES	YES	#########	#########	TOT	P_107351 M_107351
AQUEOUS-S LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107594 M_107594
AQUEOUS-F LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107597 M_107597
AQUEOUS-S LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107501 M_107501
AQUEOUS-F LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107695 M_107695
AQUEOUS-F LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107493 M_107493
AQUEOUS-S LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107226 M_107226
AQUEOUS-S LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107657 M_107657
AQUEOUS-S LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107659 M_107659
AQUEOUS-F LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107661 M_107661
AQUEOUS-S LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107502 M_107502
AQUEOUS-S LCS	GEN PREP	RES	YES	#########	#########	TOT	P_107351 M_107351
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107594 M_107594
AQUEOUS-F DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107597 M_107597
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107228 M_107228
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107501 M_107501
AQUEOUS-F DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107695 M_107695
AQUEOUS-F DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107493 M_107493
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107226 M_107226
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107657 M_107657
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107659 M_107659
AQUEOUS-F DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107661 M_107661
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107594 M_107594
AQUEOUS-F DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107597 M_107597
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107502 M_107502
AQUEOUS-S DUP	GEN PREP	RES	YES	#########	#########	TOT	P_107351 M_107351
AQUEOUS-S N	GEN PREP	RES	YES	#########	#########	TOT	P_107594 M_107594
AQUEOUS-F N	GEN PREP	RES	YES	#########	#########	TOT	P_107493 M_107493

AQUEOUS-S	N	GEN PREP	RES	YES	#########	#########	TOT	P_107501 M_107501
AQUEOUS-S	N	GEN PREP	RES	YES	#########	#########	TOT	P_107657 M_107657
AQUEOUS-S	N	GEN PREP	RES	YES	#########	#########	TOT	P_107594 M_107594
AQUEOUS-F	N	GEN PREP	RES	YES	#########	#########	TOT	P_107597 M_107597
AQUEOUS-S	N	GEN PREP	RES	YES	#########	#########	TOT	P_107502 M_107502
AQUEOUS-F	N	GEN PREP	RES	YES	#########	#########	TOT	P_107597 M_107597
AQUEOUS-F	N	GEN PREP	RES	YES	#########	#########	TOT	P_107695 M_107695
AQUEOUS-F	N	GEN PREP	RES	YES	#########	#########	TOT	P_107661 M_107661

PreservationIntact	QCSpikeAdded	ResultComments	LabReportingBatchID
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES		DUP Failed (	CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
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YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018

YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES	END LCS fail	CC022018
YES	END LCS fail	CC022018
YES	LCS failed Q	CC022018
YES	LCS failed Q	CC022018
YES	LCS failed Q	CC022018
YES	LCS failed Q	CC022018
YES		CC022018
YES	NO2>NOX	CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES	NO2>NOX	CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018

YES		CC022018
YES	END LCS fail	CC022018
YES	END LCS fail	CC022018
YES	LCS failed Q	CC022018
YES	LCS failed Q	CC022018
YES	LCS failed Q	CC022018
YES	LCS failed Q	CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES	MS Failed Q	CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018
YES		CC022018

YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES		Verified	CC022018
YES			CC022018
YES		MS Failed Q	CC022018
YES	0.5	END LCS fail	CC022018
YES	0.5		CC022018
YES	0.5	LCS failed Q	CC022018
YES	0.05		CC022018
YES	2.5	MS Failed Q	CC022018
YES	2.5	MS Failed Q	CC022018
YES	2.5		CC022018
YES	0.05		CC022018
YES	0.05	MS Failed Q	CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES		END LCS fail	CC022018
YES		MB failed Q	CC022018
YES		LCS failed Q	CC022018
YES			CC022018

YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES	100		CC022018
YES	100		CC022018
YES	0.5		CC022018
YES	0.5		CC022018
YES	0.5		CC022018
YES	0.025		CC022018
YES	2.5		CC022018
YES	2.5		CC022018
YES	2.5		CC022018
YES	0.1		CC022018
YES	0.1		CC022018
YES			CC022018
YES			CC022018
YES		DUP Failed (	CC022018
YES		END LCS fail	CC022018
YES			CC022018
YES		LCS failed Q	CC022018
YES			CC022018
YES		MS Failed Q	CC022018
YES		MS Failed Q	CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES			CC022018
YES		MS Failed Q	CC022018
YES		parent	CC022018
YES		parent LCS f	CC022018

YES	parent END	CC022018
YES	parent MS F	CC022018
YES	parent	CC022018
YES	parent	CC022018
YES	parent	CC022018
YES	parent	CC022018
YES	parent	CC022018
YES	parent	CC022018