Request Number: RQ-2016-10-31-01

WBID 2056A

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SO-DIST

Project ID: SMP

Requester: Corey R. Anderson

Collected By: J. Vavari/CHEVWQMN

Field Report Prepared By: Melynda Brown

Sampling Agency: CHEVWQMN CHAP

Location: Charlotte Harbor		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 12/5/2016 Time 7:03	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID: CHV006		Matrix (type, e.g., Salt, Fresh, etc) — Salt (circled)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #: CHV006		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments			

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Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By: [illegible]	Date/Time 12/6/16, 10:18

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-COLOR					
	W-F					
	W-TSS					

Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					

Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					

Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network YSI Field Data Sheet- V. 5/16

Site # CHV-006 Date 12-5-16 Time Start 0640 Time End 0720 Sunrise time 0703

Meter Monitor Joe Udvari Sample Monitor Joe Udvari

Estuary Region: (check one) X Charlotte Harbor ___Estero Bay ___Gasparilla Sound ___Lemon Bay ___Matlacha Pass ___Pine Island Sound ___San Carlos Bay

Waterbody name: Gilchrist Park Pier - Punta Gorda YSI ProPlus Meter SN #: 13D100027

Wind Direction: N NE E SE S SW W NW	**Direction:** ESE	
Wind Speed: 0-1 mph 4-7 mph 13-18 mph 25-31mph; 2-3 mph 8-12 mph 19-24 mph ≥ 32 mph	**Speed:** 1→3	Note: Fog rolled in while sampling + wind picked up to 3mph w/ ripple on water.
Weather: 1= sunny 2= partly cloudy → 3= overcast 4= fog/haze 5= drizzle 6= rain	**#:** 2 to 4	
Precipitation: (amount in inches for last 24 hours) None	**Inches:** 0.0	
Air temperature:	20.0 °C	
Water surface conditions: 1= Calm → 2=Ripples 3=Waves 4=White caps	**#:** 1→2	
Tide stage: 1= Incoming 2= High Slack 3= Outgoing 4= Low Slack	**#:** 3	
Secchi Depth: (to nearest .1 m) *Disappear:* >.B m *Reappear:* >.B m	**Secchi Average:** >.B m	
Water depth: (to nearest .1 m)	**Depth:** 1.3 m	
Water Temperature:	21.4 °C	21.4

Dissolved Oxygen: Barometer reading: 761.8 mm Hg

	Date	Time	DO mg/L	DO%	Air temp (°C)	Pass (± 0.3, office only)
Calibrate	12-5	0645	Calibrate at 100% humidity		23.8	
ICV	12-5	0647	8.52	99.9	23.4	Y N
Verify	12-5	0708	8.74	99.2	21.9	Y N

Dissolved Oxygen: 6.22 mg/L; 82.2 %

pH: Lot #s 7: 3905 10: 2510858 4: N/A

	Date	Time	4 buffer	7 buffer	10 buffer	Pass (± 0.2, office only)
Check	12-5	0544	xxxxx	7.11	10.06	Y N
Calibrate	12-5	N/A	Calibrate with 7 and 10 pH buffers			Y N N/A
ICV	12-5	N/A	xxxxx	xxxxx	N/A	Y N
Verify	12-5	0658	N/A OR	7.20 OR	10.18	Y N

pH reading: 7.94

Sp. Conductance (ms/cm): Lot# 50: 15M100211 10: 2606B89

	Date	Time	50 standard	10 standard	Pass (± 5%, office only)
Check	12-5	0538	49.9	xxxxx	Y N
Calibrate	12-5	0540	Calibrate with 50 ms/cm standard		Y N N/A
ICV	12-5	0541	50.0	xxxxx	Y N
Verify	12-5	0701	xxxxx verify w/ 10	10.03	Y N

Salinity ppt: 26.93

Sp. Cond. (ms/cm): 41.90

Water Color Observed: 1=Med Brown 2=Dark Brown 3= Red brown 4= Green Brown 5= Green 6= Yellow Green 7=Yellow Brown 8=Green Blue 9= Blue 10= Other — **#:** 7

	circle Y or N		
Collect & Ice Chlorophyll a Sample*?	Yes	No	Record same time on all bottles
Collect & Ice Phosphorus/Nitrogen*?	Yes	No	
Collect & Ice Color/Turbidity Sample*?	Yes	No	
Collect & Ice Fecal Coliform Sample*?	Yes	No	

Samp. Collect. Time: 0703

*Surface water collected at 0.5m depth using intermediate plastic bucket

Blank collected? Y (N) **Time:**

Duplicate collected? Y (N) **Time:**

		circle Y or N	
Collect & Ice Chlorophyll a	Yes		No
Collect & Ice Phosph./Nitrogen	Yes		No
Collect & Ice Color/Turbidity	Yes		No
Collect & Ice Fecal Coliform	Yes		No

Observations and Comments:

Boats nearby: 9 Crab Pots Nearby: 0

Tide: High @ 0430 (1.6')

Moon: 33% waxing

Note: Also, collected sample preserved w/ HNO_3 + Red Tide sample (not iced)

Preserved w/ acid expiring 2017 + iced samp

RQ-2016-10-31-01

Date of Request: 07-JUN-2016
Created By: ANDERSON_C On: 07-JUN-2016
Modified By: WATTS_J On: 07-OCT-2016
Customer: SO-DIST
Project: SMP
Division: Office of Coastal and Aquatic Managed Areas
District:
Sampling Event: WBID 2056A

Send Coolers To:

Phone: 941-575-5861
Charlotte Harbor Aquatic Preserves
12301 Burnt Store Rd
Punta Gorda, FL 33955
Attn: Melynda Brown

Send Final Report To:

FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: Corey Anderson

Program Module Number:
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 07-OCT-2016
Biology Request Reviewed By:
Sampling Kit Required: YES Ship on: 01-NOV-2016
Sampling Kit Shipped: YES On: 31-OCT-2016
Sampling Kit Packed By: WATTS_J
Preservatives Needed: NO
Date to Receive Samples: 01-DEC-2016
Received By:

Report Type: Final Only
FTP Data: NO
QC Report: YES
Date Log: NO
Authorization Log: NO

Comments:

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L Number of Bottles: 1 Preserved With: ICE

ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO3

W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Chromium		
Iron		
Zinc		
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Nickel		
Silver		

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: ICE And H2SO4

W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices

Log-in Checklist

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Shipping Method: FedEx

Date/Time of Receipt: 12/6/16, 10:19

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
Blue	0.9°C	3		✓			8104 1261 8841

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

Note: If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an **NCR.

**Chain of Custody/ Field Sheet(s) Included? Yes ✓ No_____

CONTAINER CHECK

**Evidence Tape on Bottles? Yes_____ No ✓ If yes, is it intact? Yes_____ No_____

**Caps on tight? Yes ✓ No_____ **Containers intact? Yes ✓ No_____

**Sufficient Sample Volume: Yes ✓ No_____

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R					

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No____ NA_____ Init: SK

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes____ No____ NA ✓ Init: MR

Coolers Unpacked/Checked by: MR Date: 12/6/16 NCRs (Y/N)? N

Event ID: SO-DIST-2016-12-06-03 NCR # _____

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

***S-VOC-MS* samples in Encores must be frozen within 48 hours of collection.**

Were Encore samples received? Yes____ No__✓__

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes_____ No_____

If no, were samples shipped on dry ice? Yes_____ No_____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

Additional Comments: