

WBID 2056A

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: SO-DIST

Requester: Corey R. Anderson

Field Report Prepared By: Melynda Brown

Project ID: SMP

Collected By: J. Uduman / CHERWANN

Sampling Agency: DEP CHAP

Location Charlotte Harbor		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 6/6/16 Time 6:39		Eastern Central	Composite end Date Time		Bottle Group(s) (See pg 2)
Field ID CHV006		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 2.92	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET # CHV006		Temp (C) 29.5	pH 7.47	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 26.61		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				
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)		
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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				

Relinquished By: M. Brown	Date/Time: 6/6/16 8:22	Shipping Method: Fed Ex	Number of Coolers Shipped:	Received By: MUB	Date/Time: 6/7/16/10:15
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Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	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					

Date of Request: 04-FEB-2016
 Created By: ANDERSON_C On: 04-FEB-2016
 Modified By: WATTS_J On: 14-APR-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: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 14-APR-2016
 Biology Request Reviewed By:
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped: YES On: 07-APR-2016
 Sampling Kit Packed By: LASHLEY_C
 Preservatives Needed: NO
 Date to Receive Samples: 01-JUN-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 CaCO ₃ /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: HNO ₃
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 H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	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

RQ- 2016-04-18-03

Shipping Method: Fedex

Date/Time of Receipt: 6/7/16/10:15

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	
white	-0.5	3		✓			8099 4719 4031

*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: MB

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: MB

Coolers Unpacked/Checked by: MB Date: 6/7/16 NCRs (Y/N)? N

Event ID: SO-DIST-2016-06-07-01 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:

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

Site # CHV006 Date 6/06/16 Time Start 0620 Time End 0652 Sunrise time 0633Meter Monitor Joe UdvariSample Monitor Mike CropperEstuary Region: (check one) ☒ Charlotte Harbor ☐ Estero Bay ☐ Gasparilla Sound ☐ Lemon Bay☐ Matlacha Pass ☐ Pine Island Sound ☐ San Carlos BayWaterbody name: Gilchrist Park Pier e Punta Gorda, FL YSI ProPlus Meter SN #: 13D100027hazardous
driving could
+ possible sample
cancelled.
C 0455

Wind Direction:	N	NE	E	<u>SE</u>	S	SW	W	NW	Direction: <u>SE</u>	
Wind Speed:	0-1 mph	4-7 mph	13-18 mph	25-31 mph	≥ 32 mph	Speed: <u>3</u>				
Weather:	1= sunny	2= partly cloudy	3= overcast	4= fog/haze	5= drizzle	6= rain	#: <u>3/5</u>			
Precipitation:	(amount in inches for last 24 hours)								Inches: <u>2.0</u>	
Air temperature:									<u>24.5</u> °C	
Water surface conditions:									#: <u>1</u>	
1= Calm	2= Ripples	3= Waves	4= White caps							
Tide stage:	1= Incoming	2= High Slack	3= Outgoing	4= Low Slack						#: <u>2</u>
Secchi Depth:									Secchi Average:	
(to nearest .1 m)	Disappear: <u>1.3</u> m	Reappear: <u>1.4</u> m							<u>1.4</u> m	
Water depth: (to nearest .1 m)									Depth: <u>1.5</u> m	
Water Temperature:									<u>29.5</u> °C	
Dissolved Oxygen:	Barometer reading: <u>758.2</u> mm Hg								Dissolved Oxygen:	
Date	Time	DO mg/L	DO%	Air temp (°C)	Pass (± 0.3, office only)					
Calibrate	<u>6/6/16</u>	<u>0454</u>	Calibrate at 100% humidity	<u>25.6</u>					<u>2.92</u> mg/L	
ICV	<u>6/6/16</u>	<u>0456</u>	<u>99.7</u>	<u>8.11</u>	<u>25.7</u>	Y	N		<u>42.9</u> %	
Verify	<u>6/6/16</u>	<u>0633</u>	<u>103.5</u>	<u>8.38</u>	<u>25.9</u>	Y	N			
pH:	Lot #s 7: <u>2408A21</u> 10: <u>4005</u> 4: <u>N/A</u>								pH reading:	
Date	Time	4 buffer	7 buffer	10 buffer	Pass (± 0.2, office only)					
Check	<u>6/6/16</u>	<u>0437</u>	<u>xxxxx</u>	<u>7.08</u>	<u>9.92</u>	Y	N		<u>7.47</u>	
Calibrate	<u>6/6/16</u>	<u>N/A</u>	Calibrate with 7 and 10 pH buffers			Y	N	N/A		
ICV	<u>6/6/16</u>	<u>N/A</u>	<u>xxxxx</u>	<u>xxxxx</u>	<u>N/A</u>	Y	N			
Verify	<u>6/6/16</u>	<u>0643</u>	<u>N/A</u>	<u>OR 7.19</u>	<u>OR N/A</u>	Y	N			
Sp. Conductance (ms/cm):	Lot# 50: <u>15E100188</u> 10: <u>N/A</u>								Salinity ppt:	
Date	Time	50 standard	10 standard	Pass (± 5%, office only)						
Check	<u>6/6/16</u>	<u>0430</u>	<u>50.0</u>	<u>xxxxx</u>	Y	N		<u>21.61</u>		
Calibrate	<u>6/6/16</u>	<u>0432</u>	Calibrate with 50 ms/cm standard			Y	N	N/A		
ICV	<u>6/6/16</u>	<u>0433</u>	<u>50.0</u>	<u>50</u>	<u>xxxxx</u>	Y	N			
Verify	<u>6/6/16</u>	<u>0646</u>	<u>xxxxx</u>	verify w/ <u>10</u>	<u>48.6</u>	Y	N			
Water Color Observed:									#: <u>1</u>	
1=Med Brown	3= Red brown	5= Green	7=Yellow Brown	9= Blue						
2=Dark Brown	4= Green Brown	6= Yellow Green	8=Green Blue	10= Other						
Collect & Ice Chlorophyll a Sample*?	<u>Yes</u>	No			Samp. Collect. Time:					
Collect & Ice Phosphorus/Nitrogen*?	<u>Yes</u>	No			<u>0639</u>					
Collect & Ice Color/Turbidity Sample*?	<u>Yes</u>	No			Record same time on all bottles					
Collect & Ice Fecal Coliform Sample*?	<u>Yes</u>	No								

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

Observations and Comments:

8 Boats Anchored + 2 Crab Pots NearbyMoon e 4% WaxingTide: High e 0636 (1.2')OTE: Due to ss & on rain + temps inside + outsideBlank collected? Y (N) Time:Duplicate collected? Y (N) Time:

Collect & Ice Chlorophyll a	Yes	circle Y or N	<u>(NO)</u>
Collect & Ice Phosph./Nitrogen	Yes		<u>(NO)</u>
Collect & Ice Color/Turbidity	Yes		<u>(NO)</u>
Collect & Ice Fecal Coliform	Yes		<u>(NO)</u>

Collect & Ice Metals (HNO3) (Yes) No

Verified