

Date of Request: 15-JAN-2020
 Created By: BUNCH_CA On: 15-JAN-2020
 Modified By: JASROTIA_P On: 21-JAN-2020
 Customer: NW-DIST
 Project: BMAP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: Bayou Chico BMAP/Blank

Send Coolers To:

Phone: 850-595-8300
 160 Government Center
 Suite 308
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

Send Final Report To:

160 Government Center
 Suite 308
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

Program Module Number:

Priority: 3

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 21-JAN-2020

Biology Request Reviewed By: JASROTIA_P On: 21-JAN-2020

Sampling Kit Required: YES Ship on: 31-JAN-2020

Sampling Kit Shipped: YES On: 28-JAN-2020

Sampling Kit Packed By: MCCOY_I

Preservatives Needed: NO

Date to Receive Samples: 10-FEB-2020

Received By:

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments:

Bottle Group A (Water) With 3 Samples:

Bottle Type: BP-1L	Number of Bottles: 3	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 3	Preserved With: ICE
NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert/QT by UWF in Pensacola
Bottle Type: P-250ML	Number of Bottles: 3	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Bottle Type: P-500ML	Number of Bottles: 3	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

Bottle Group B (Water) With 3 Samples:

Bottle Type: BP-1L	Number of Bottles: 3	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 3	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola
Bottle Type: P-250ML	Number of Bottles: 3	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Bottle Type: P-500ML	Number of Bottles: 3	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

Bottle Group C (Water) With 2 Samples:

Bottle Type: P-250ML	Number of Bottles: 2	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H2SO4

Bottle Group C (Water) With 2 Samples:

Bottle Type: P-500ML	Number of Bottles: 2	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
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	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

Additional Comments:

Infrared Thermometer ID:	REC_02_2018 EXP: 4/29/20
pH Test Strips 0 – 6 Lot #	213316AV Exp: 5/15/20
pH Paper 0 – 3 Lot #	
pH Paper 0 – 13 Lot #	208717 EXP: 3/31/20
Chlorine Test Strips Lot #	8261 EXP: 7/2021

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 _____ If No _____

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: _____

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: NW-DIST

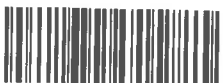
Requester: Cheryl Bunch

Field Report Prepared By: A. McCarver

Project ID: BMAP

Collected By: A. McCarver, D. McCarver

Sampling Agency: ECWECM

Location	WIN ID/Field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/9/20 Time 9:45	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	
Field ID		BMAP_EB		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/S	Location			Temp (C)	pH	Sample Depth	Sp. Conductance (umho/cm)	
Latitude	Equipment Blank-Group C		☐ dd ☐ dms	Salinity (ppt)	Comments			C
Location	WIN ID/Field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/9/20 Time 9:20	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID		33020J10		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
WIN/S	Location			Temp (C) 16.28	pH 7.43	Sample Depth 0.15	Sp. Conductance (umho/cm) 21301.0	
Latitude	Pensacola Bay at Sanders Beach-Bottle Group C		☐ dd ☐ dms	Salinity (ppt) 12.9	Comments windy 210 knots			C
Location	WIN ID/Field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/9/20 Time 9:55	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID		33020JD4		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
WIN/S	Location			Temp (C) 17.32	pH 7.50	Sample Depth 0.15	Sp. Conductance (umho/cm) 19319.5	
Latitude	Bayou Chico at Mandalay Drive-Bottle Group A		☐ dd ☐ dms	Salinity (ppt) 11.6	Comments			A
Location	WIN ID/Field ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/9/20 Time 10:25	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID		33020221		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
WIN/S	Location			Temp (C) 19.31	pH 7.76	Sample Depth 0.15	Sp. Conductance (umho/cm) 146.7	
Latitude	Jackson Creek @ Old Corry Road-Bottle Group B		☐ dd ☐ dms	Salinity (ppt) 0.1	Comments			B

Relinquished By: CABM	Date/Time 3/9/20 1630	Shipping Method FedEx	Number of Coolers Shipped: 2	Received By: IM	Date/Time 3/10/20 10:10
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Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: NW-UWF-ENQ	TEST HAS NO BOTTLE	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	overflow Lab
Group: A	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4 H2SO4 LOT# SA9301030 EXP: 10/28/2020	Enter Number of Bottles Sent to Lab	3
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
Group: B	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	overflow Lab
Group: B	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4 H2SO4 LOT# SA9301030 EXP: 10/28/2020	Enter Number of Bottles Sent to Lab	3
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4 H2SO4 LOT# SA9301030 EXP: 10/28/2020	Enter Number of Bottles Sent to Lab	2

Request Number: RQ-2020-02-10-26

Bayou Chico BMAP/Blank

Florida Department of Environmental Protection Central Laboratory Submittal Form

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last revised Jan 25, 2018

Customer: NW-DIST

Requester: Cheryl Bunch

Field Report Prepared By: A. McGarver

Project ID: BMAP

Collected By: A. McGarver, D. Morton

Sampling Agency: ECWGLM

Location	WIN ID/Field ID	33020222	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/9/20 Time 10:45	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)	
Field ID	Location	Jackson Creek at New Warrington Road-Group B	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	B	
WIN/ST	Temp (C)	19.43	pH	7.25	Sample Depth	0.15	Sp. Conductance (umho/cm)		129.3
Latitude	Salinity (ppt)	0.1	Comments						
☐ dms ☐ dd ☐ dms									
Location	WIN ID/Field ID	33020117	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/9/20 Time 11:05	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	Location	Jones Creek Upstream of New Warrington Rd-Bottle Group B	Matrix (type, e.g., Salt, Fresh, etc)	Fresh	Diss. Oxygen	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	B	
WIN/ST	Temp (C)	16.30	pH	7.03	Sample Depth	0.15	Sp. Conductance (umho/cm)		76.0
Latitude	Salinity (ppt)	0.0	Comments						
☐ dms ☐ dd ☐ dms									
Location	WIN ID/Field ID	33020203	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/9/20 Time 11:00	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	Location	Bayou Chico at at W St. Bridge-Bottle Group A	Matrix (type, e.g., Salt, Fresh, etc)	Salt	Diss. Oxygen	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A	
WIN/ST	Temp (C)	19.36	pH	6.29	Sample Depth	0.15	Sp. Conductance (umho/cm)		18451.2
Latitude	Salinity (ppt)	11.0	Comments						
☐ dms ☐ dd ☒ dms									
Location	WIN ID/Field ID	33020203	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/9/20 Time 13:15	Eastern Central	Composite end Date	Time	Bottle Group(s)	
Field ID	Location	Bayou Chico at Navy Blvd. Bridge-Bottle Group A	Matrix (type, e.g., Salt, Fresh, etc)	Salt	Diss. Oxygen	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A	
WIN/ST	Temp (C)	20.62	pH	6.63	Sample Depth	0.15	Sp. Conductance (umho/cm)		9256.6
Latitude	Salinity (ppt)	5.2	Comments						
☐ dms ☐ dd ☐ dms									

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				IN	3/10/20 10:10

Document Reference # 05 1.0

Sampler's initials : DM/Am

Page 1 of 1

Date/Time:

Date/Time:

If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

[illegible]

Sample Container Lot #: L19229

Contact name: Dana Morton 595-1865 , Cheryl Bunch Phone: 595-0571

Sampler's name: D. merton A. mclain

³ Recorded using IRT-2

²Type codes: G = grab, C = composite, X =

RQ- 2020-02-10-26

Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 3/10/2020 @ 10:10

Cooler Temperature*	Samples Frozen YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
		HNO ₃	Formalin		Present?		*Intact?		
					Yes	No	Yes	No	
3.6 1.8				12 12		✓			1278 4011 3980 1278 4011 3979

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO₃ and Formalin preserved samples do **NOT** have a temperature requirement. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.**

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

Yes

No

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes

No

IM
3/10/20

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

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 REQUIRED? (Blue dot on container)

Yes

No

Init: IM

Chlorine detected? (One container checked per Field ID)

Yes

No

Init:

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

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

**Acid Preserved Samples: pH ≤ 2.0?

Yes

No

NA

Init: IM

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes

No

NA

Init: IM

Coolers Unpacked/Checked by: IM

Date: 3/10/2020

NCRs (Y/N)?

Event ID:

Bayou Chico BMAP/Blank
NW-DIST-2020-03-10-02 (BMAP)

Date Received: 10-MAR-2020 10:10

R #