Log-in Checklist

RQ- 2019-02-11-43 Login Station ID: #4

Shipping Method: [FedEx] UPS | HD | Greyhound Date/Time of Receipt: 03/12/2019 @ 10:15am

Cooler Temperature*	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
				Present?		*Intact?		
	HNO_3	Formalin		Yes	No	Yes	No	
0.9°C			9		X			4751 8776 2078
1.2°C			12		X			4751 8776 2089

* HNO3 and Formalin persevered samples do **NOT** have a temperature requirement. For all others, 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 below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an **NCR**.

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

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No_____ Date 03/12/19

CONTAINER CHECK

****Evidence Tape on Bottles?** Yes_____ No X **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 X Init: M

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-E8321-DI, -MS, -21			W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		
W-PFAS-MS					

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No____ NA____ Init: M

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

Coolers Unpacked/Checked by: Tyler Reynolds **Date:** 03/12/2019 **NCRs (Y/N)?** N

Event I Bayou Chico BMAP/Blank
NW-DIST-2019-03-12-01 (BMAP)
Date Received: 12-MAR-2019 10:15
Federal Express BIOLOGY

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

Infrared Thermometer ID:	REC_04_2018
pH Paper 0.0 – 3.0 Lot #	
pH Paper 0 – 13 Lot #	222516EXP:09/15/2019
Chlorine Test Strips Lot #	091417V EXP:09/2021

Additional Comments:

ENCORE SAMPLES

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

Were Encore samples received? Yes_____ No_X_____

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: _____

Request Number: RQ-2019-02-11-43

Bayou Chico BMAP/Blank

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Project ID: BMAP

Requester: Cheryl Bunch

Collected By: A. McCarver, M. Kelly

Field Report Prepared By: A. McCarver

Sampling Agency: Escambia County

Location: Pensacola Bay at Sanders Beach-Bottle Group C

WIN ID/Field ID: 33020J10

Field ID:

WIN/ST:

Latitude: ☐ dms ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Eastern Central: Date 3/11/19 Time 9:25 | Composite end Date Time | Bottle Group(s) (See pg 2): C

Matrix (type, e.g., Salt, Fresh, etc): Salt | Diss. Oxygen: 9.91 / 106.2 ☑ mg/L ☑ % sat | Total Res. Chlorine (mg/L)

Temp (C): 20.39 | pH: 6.43 | Sample Depth: 0.15 ☐ ft ☑ m | Sp. Conductance (umho/cm): 22736.8

Salinity (ppt): 13.9 | Comments

Location: Bayou Chico at Mandalay Drive-Bottle Group A

WIN ID/Field ID: 33020JD4

Field ID:

WIN/ST:

Latitude: ☐ dms ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Eastern Central: Date 3/11/19 Time 9:45 | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Salt | Diss. Oxygen: 8.42 / 102.9 ☑ mg/L ☑ % sat | Total Res. Chlorine (mg/L)

Temp (C): 22.54 | pH: 6.96 | Sample Depth: 0.15 ☐ ft ☑ m | Sp. Conductance (umho/cm): 18902.1

Salinity (ppt): 11.4 | Comments

Location: Jones Creek Upstream of New Warrington Rd-Bottle Group B

WIN ID/Field ID DUP: 33020117

Field ID:

WIN/ST:

Latitude: ☐ dms ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Eastern Central: Date 3/11/19 Time 10:35 | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 6.05 / 66.4 ☑ mg/L ☑ % sat | Total Res. Chlorine (mg/L)

Temp (C): 20.29 | pH: 6.08 | Sample Depth: 0.15 ☐ ft ☑ m | Sp. Conductance (umho/cm): 67.5

Salinity (ppt): 0.0 | Comments

Location: Jackson Creek @ Old Corry Road-Bottle Group B

WIN ID/Field ID: 33020221

Field ID:

WIN/ST:

Latitude: ☐ dms ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Eastern Central: Date 3/11/19 Time 10:55 | Composite end Date Time | Bottle Group(s): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 8.31 / 94.5 ☑ mg/L ☑ % sat | Total Res. Chlorine (mg/L)

Temp (C): 22.12 | pH: 6.31 | Sample Depth: 0.15 ☐ ft ☑ m | Sp. Conductance (umho/cm): 130.4

Salinity (ppt): 0.1 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
[signature]	3/11/19 1630	FedEx	2	Tyler Reynolds	03/12/19 @ 1015

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# SA8197090 EXP: 07/16/2019	**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# SA8197090 EXP: 07/16/2019	**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**	1
Group: C	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 2	Preservative: ICE	**Enter Number of Bottles Sent to Lab**	1
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# SA8197090 EXP: 07/16/2019	**Enter Number of Bottles Sent to Lab**	1

Request Number: RQ-2019-02-11-43

Bayou Chico BMAP/Blank

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Project ID: BMAP

Requester: Cheryl Bunch

Collected By: A. McCranie, M. Kelly

Field Report Prepared By: A. McCranie

Sampling Agency: Escambia County

Location | **WIN ID/Field ID** 33020222

Location: Jackson Creek at New Warrington Road-Group B

Latitude ☐ dd ☐ dms

Field ID | WIN/STORET #

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/11/19 Time 11:10 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 6.83 / 78.2 ☒ mg/L ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 22.52 | pH 6.30 | Sample Depth 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm) 117.6

Salinity (ppt) 0.1 | Comments

Location | **WIN ID/Field ID** 3302JE20

Location: Bayou Chico at Navy Blvd. Bridge-Bottle Group A

Latitude ☐ dd ☐ dms

Field ID | WIN/STORET #

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/11/19 Time 11:30 Eastern Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Salt | Diss. Oxygen 7.22 / 85.9 ☒ mg/L ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 23.08 | pH 6.14 | Sample Depth 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm) 8710.7

Salinity (ppt) 4.9 | Comments

Location | **WIN ID/Field ID** 33020JF1

Location: Bayou Chico at at W St. Bridge-Bottle Group A

Latitude ☐ dd ☐ dms

Field ID | WIN/STORET #

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/11/19 Time 11:45 Eastern Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 3.58 / 45.5 ☒ mg/L ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 23.46 | pH 6.22 | Sample Depth 0.15 ☐ ft ☒ m | Sp. Conductance (umho/cm) 2036.4

Salinity (ppt) 1.1 | Comments

Location

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

Field ID | WIN/STORET #

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
			2	Tyler Reynolds	03/12/19 @10:15

Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: A	Bottle Type: NW-UWF-ENQ	TEST HAS NO BOTTLE	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: A	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** _____
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: B	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: B	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** _____
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: C	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** _____

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Project: FDEP (Bayou Chico BMAP) Laboratory: Wetlands Research Laboratory Sampler's intials : MTC/AAM

Method of transport: on ice, by hand Page 1 of 1

Samples delivered by: [signature] of Escambia County Water Quality Land Management Date/Time: 3/11/19 @ 1240

Sample received by: [signature] of WRL Date/Time: 03/11/19 @ 1240

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport. 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.

Lab ID	Field ID-Monitoring Location-WIN ID	Matrix	Type[1]	Container Type	Analyses Requested	Preservative	Sample (°C)[3]	Sampling Date/Time
19-44898	33020JD4- SW Arm Bayou Chico N of Mandalay Dr 33020JD4	SW	G	Sterile Plastic	Enterococci Group (QT)	Ice/$Na_2S_2O_3$	4.1	3/11/19 9:45
19-44899	33020221- Jackson Cr at Old Corry Rd 33020221	SW	G	Sterile Plastic	Escherichia coli by Colilert 18 (LaB Dup)	Ice/$Na_2S_2O_3$	3.3	3/11/19 10:55
19-44900	33020222- Jackson Creek @ New Warrington Rd-33020222	SW	G	Sterile Plastic	Escherichia coli by Colilert 18 Quanti-Tray	Ice/$Na_2S_2O_3$	3.1	3/11/19 11:10
19-44901	33020117-Jones Creek Upstream of New Warrington Road 33020117	SW	G	Sterile Plastic	Escherichia coli by Colilert 18 Quanti-Tray	Ice/$Na_2S_2O_3$	2.9	3/11/19 10:35
19-44902	3302JE20- Bayou Chico @ Navy Boulevard Bridge 3302JE20	SW	G	Sterile Plastic	Enterococci Group (QT)	Ice/$Na_2S_2O_3$	3.0	3/11/19 11:30
19-44903	33020JF1-Bayou Chico @ "W" St 33020JF1	SW	G	Sterile Plastic	Enterococci Group (QT)	Ice/$Na_2S_2O_3$	2.5	3/11/19 11:45

Comments: **RQ-2019-02-11-43** **Sample Container Lot #: L18145**

Contact organization: Escambia County and FDEP Contact name: Dana Morton 595-1865 , Cheryl Bunch Phone: 595-0571

Address 3363 West Park Place, Pensacola, FL 32505 Sampler's name:

[1]Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment, X =

[2]Type codes: G = grab, C = composite, X = [3] Recorded using IRT-2

RQ-2019-02-11-43

Date of Request: 25-JAN-2019
Created By: BUNCH_CA On: 25-JAN-2019
Modified By: JASROTIA_P On: 28-JAN-2019
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: 28-JAN-2019
Biology Request Reviewed By: JASROTIA_P On: 28-JAN-2019
Sampling Kit Required: YES Ship on: 01-FEB-2019
Sampling Kit Shipped: YES On: 30-JAN-2019
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 11-MAR-2019
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 Quanti-Tray method by UWF Laboratory 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) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Laboratory 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 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