

Bayou Chico BMAP

Customer: NW-DIST

Project ID: BMAP

Requester: Cheryl Bunch

Field Report Prepared By: M. Taylor

Collected By: D. Morton M. Taylor

Sampling Agency: ESCWQLM

Location	Field ID A STORET 33020221	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-18-2016 Time 1055	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Location: Jackson Creek at Old Corry Road RQ-2016-06-20-10 Date: 7/18/16 Time: 1055 CST		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 6.2	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Temp (C) 26.6	pH 7.7	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 140			
Salinity (ppt) 0.1	Comments						
☐ dd ☐ dms							
Location	Field ID B STORET 33020JF1	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-18-2016 Time 1305	Eastern Central	Composite end Date	Time	Bottle Group(s)
Location: Bayou Chico at W Street RQ-2016-06-20-10 Date: 7/18/16 Time: 1305 CST		Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 3.8	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Temp (C) 29.4	pH 6.8	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 9260			
Salinity (ppt) 5.3	Comments						
☐ dd ☐ dms							
Location	Field ID C STORET 3302JE20	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-18-2016 Time 1235	Eastern Central	Composite end Date	Time	Bottle Group(s)
Location: Bayou Chico at Navy Blvd Bridge RQ-2016-06-20-10 Date: 7/18/16 Time: 1235 CST		Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 8.0	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Temp (C) 32.2	pH 7.1	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 11088			
Salinity (ppt) 6.8	Comments						
☐ dd ☐ dms							
Location	Field ID D STORET 33020118	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7-18-2016 Time 1030	Eastern Central	Composite end Date	Time	Bottle Group(s)
Location: Jones Creek at Old Corry Road RQ-2016-06-20-10 Date: 7/18/16 Time: 1030 CST		Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 1.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		A
Temp (C) 29.0	pH 7.4	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 10440			
Salinity (ppt) 6.0	Comments						
☐ dd ☐ dms							

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By: [Signature]	Date/Time 7-19-16/10:05
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Group: A	Bottle Type: BP-1L	# of Bottles: 9	Preservative: ICE	Enter Number of Bottles Sent to Lab	8
CHLSUITE-W					
Group: A	Bottle Type: TEST HAS NO BOTTLE	# of Bottles: 9	Preservative: ICE	Enter Number of Bottles Sent to Lab	14
NW-UWF-ENT NW-UWF-FC					
Group: A	Bottle Type: QPCR-P-250ML	# of Bottles: 18	Preservative: ICE	Enter Number of Bottles Sent to Lab	14
PCR-GULL2 PCR-HF183					
Group: A	Bottle Type: P-250ML	# of Bottles: 9	Preservative: ICE	Enter Number of Bottles Sent to Lab	8
TURBIDITY					
Group: A	Bottle Type: P-500ML	# of Bottles: 9	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	8
W-NH3 W-NO2NO3 W-S-A-TP W-TKN					
Group: A	Bottle Type: BG-1L	# of Bottles: 9	Preservative: ICE	Enter Number of Bottles Sent to Lab	8
W-SUC-AA-R W-UHERB-AA					

Bayou Chico BMAP

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NW-DIST

Requester: Cheryl Bunch

Field Report Prepared By: M. Taylor

Project ID: BMAP

Collected By: D. Morton, M. Taylor

Sampling Agency: ESCWOLM

Location	Location: Bayou Chico	Field ID	E	STORET	33020JD4	☐ Comp ☒ Grab	Collection (comp begin or grab)	Date 7.18.2016	Time 0950	Eastern	Composite end	Bottle Group(s)
Field ID	at Mandalay Park	STORE					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☒ mg/L	Total Res. Chlorine	A
STORE	RQ-2016-06-20-10						Temp (C)	31.3	pH	8.4	(mg/L)	
Latitude	Date: 7/18/16						Salinity (ppt)	13.5	Sample Depth	0.2	Sp. Conductance (umho/cm)	
Longitude	Time: 0950 CST						Comments					
Location	Location: Pensacola Bay	Field ID	F	STORET	33020J10	☐ Comp ☒ Grab	Collection (comp begin or grab)	Date 7.18.2016	Time 0920	Eastern	Composite end	Bottle Group(s)
Field ID	at Sanders Beach	STORE					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☒ mg/L	Total Res. Chlorine	A
STORE	RQ-2016-06-20-10						Temp (C)	30.1	pH	7.7	(mg/L)	
Latitude	Date: 7/18/16						Salinity (ppt)	15.7	Sample Depth	0.2	Sp. Conductance (umho/cm)	
Longitude	Time: 0920 CST						Comments					
Location	Location: Jackson Creek	Field ID	G	STORET	33020220	☐ Comp ☒ Grab	Collection (comp begin or grab)	Date 7.18.2016	Time 1120	Eastern	Composite end	Bottle Group(s)
Field ID	at New Warrington Road	STORE					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☒ mg/L	Total Res. Chlorine	A
STORE	RQ-2016-06-20-10						Temp (C)	27.8	pH	7.4	(mg/L)	
Latitude	Date: 7/18/16						Salinity (ppt)	0.1	Sample Depth	0.2	Sp. Conductance (umho/cm)	
Longitude	Time: CST						Comments					
Location	Clean Equipment	Field ID		FIELD BLANK		☐ Comp ☒ Grab	Collection (comp begin or grab)	Date 7.18.2016	Time 0910	Eastern	Composite end	Bottle Group(s)
Field ID	Blank	STORE					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen	☐ mg/L	Total Res. Chlorine	A
STORE	RQ-2016-06-20-10						Temp (C)		pH		(mg/L)	
Latitude	Date: 7/18/16						Salinity (ppt)		Sample Depth		Sp. Conductance (umho/cm)	
Longitude	Time: 0910 CST						Comments					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By: SK	Date/Time 7-19-16/10:05
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Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 9	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>8</u>
Group: A	Bottle Type: NW-UWF-ENT NW-UWF-FC	TEST HAS NO BOTTLE	# of Bottles: 9	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>14</u>
Group: A	Bottle Type: PCR-GULL2 PCR-HF183	QPCR-P-250ML	# of Bottles: 18	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>14</u>
Group: A	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 9	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>8</u>
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 9	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>8</u>
Group: A	Bottle Type: W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 9	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>8</u>

Date of Request: 11-MAY-2016
 Created By: BUNCH_CA On: 11-MAY-2016
 Modified By: MATTHEWS_D On: 31-MAY-2016
 Customer: NW-DIST
 Project: BMAP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: Bayou Chico BMAP

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: 27-MAY-2016
 Biology Request Reviewed By: MATTHEWS_D On: 31-MAY-2016
 Sampling Kit Required: YES Ship on: 10-JUN-2016
 Sampling Kit Shipped: YES On: 13-JUN-2016
 Sampling Kit Packed By: BOWDEN_M
 Preservatives Needed: NO
 Date to Receive Samples: 20-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 9 Samples:**

Bottle Type: BP-1L	Number of Bottles: 9	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 9	Preserved With: ICE
NW-UWF-ENT	Template: DEFAULT	(EPA 1600 (MF)) Enterococci by membrane filter method by UWF Overflow Laboratory for NWD
NW-UWF-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by membrane filter method by UWF Overflow Laboratory for NWD
Bottle Type: QPCR-P-250ML	Number of Bottles: 18	Preserved With: ICE
PCR-GULL2	Template:	(SOP-PCR01) Detection and quantification of coastal bird specific <i>Catellibacoccus marimammali</i> genetic marker with quantitative polymerase chain reaction
PCR-HF183	Template: DEFAULT	(SOP-PCR01) Detection and quantification of human-specific HF183 <i>Bacteroides</i> genetic marker with quantitative polymerase chain reaction
Bottle Type: P-250ML	Number of Bottles: 9	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Bottle Type: P-500ML	Number of Bottles: 9	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: BG-1L	Number of Bottles: 9	Preserved With: ICE
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

RQ- 2016-06-20-10

Log-in Checklist

Shipping Method: FedexDate/Time of Receipt: 7-19-16/10:05

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	
Red	0.0	12		✓			
Red	2.3	6		✓			
Red	2.3	15		✓			
Red	1.7	12		✓			

*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: SK

Coolers Unpacked/Checked by: SK Date: 7-19-16

NCRs (Y/N)? N

Event ID: NW-DIST-2016-07-19-02

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:

7/18/16
Cheryl Bunch Phone 850 5950571
F O E P
166 W. Government St.
Pensacola State FL ZIP 32502

Internal Billing Reference

Client's Name: SAMPLE RECEIVING Phone: 850 245-8085

Company: FLORIDA DEP/CHEMISTRY SECTION

Address: 2600 BLAIRSTONE RD
Dept./Floor/Suite/Room

City: TALLAHASSEE State: FL ZIP: 32399

0123448864



7/18/16
Cheryl Bunch Phone 850 5950571
F O E P
166 W. Government St.
Pensacola State FL ZIP 32502

Internal Billing Reference

Client's Name: SAMPLE RECEIVING Phone: 850 245-8085

Company: FLORIDA DEP/CHEMISTRY SECTION

Address: 2600 BLAIRSTONE RD
Dept./Floor/Suite/Room

City: TALLAHASSEE State: FL ZIP: 32399

0123448864



4 Express Package Service * To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day
☐ FedEx First Overnight
☒ FedEx Priority Overnight
☐ FedEx Standard Overnight

2 or 3 Business Days
☐ FedEx 2Day A.M.
☐ FedEx 2Day
☐ FedEx Express Saver

5 Packaging * Declared value limit \$500.
☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.
☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature

Does this shipment contain dangerous goods?
One box must be checked.
☐ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9 UN 1845 x kg
Restrictions apply for dangerous goods — see the current FedEx Service Guide. ☐ Cargo Aircraft Only

7 Payment Bill to:
Sender ☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages Total Weight
611

4 Express Package Service * To most locations. Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

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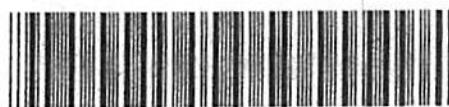
7 Payment Bill to:
Sender ☐ Recipient ☒ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages Total Weight
611

m 7/18/16
der's ne Cheryl Bunch Phone 850 595 0571
pany FDEP
ress 160 W. Government St.
Pensacola State FL ZIP 32502
Internal Billing Reference

ipient's te SAMPLE RECEIVING Phone 850 245-8085
pany FLORIDA DEP/CHEMISTRY SECTION
ress 2600 BLAIRSTONE RD
not deliver to P.O. boxes or P.O. ZIP codes.
ress
is line for the HOLD location address or for continuation of your shipping address.
TALLAHASSEE State FL ZIP 32399

0123448864



8100 1918 4040

m 7/18/16
der's ne Cheryl Bunch Phone 850 595 0571
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ress 160 W. Government St.
Pensacola State FL ZIP 32502
Internal Billing Reference

ipient's te SAMPLE RECEIVING Phone 850 245-8085
pany FLORIDA DEP/CHEMISTRY SECTION
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TALLAHASSEE State FL ZIP 32399

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☐ FedEx Standard Overnight
2 or 3 Business Days
☐ FedEx 2Day A.M.
☐ FedEx 2Day
☐ FedEx Express Saver

5 Packaging *Declared value limit \$500.
☐ FedEx Envelope*
☐ FedEx Pak*
☐ FedEx Box
☐ FedEx Tube
☒ Other

6 Special Handling and Delivery Signature Options
☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature
Does this shipment contain dangerous goods?
☐ No
☐ Yes
☐ Yes
☐ Dry Ice
☐ Cargo Aircraft Only

7 Payment Bill to:
Sender
Recipient
Third Party
Credit Card
Cash/Check
Total Packages
Total Weight
Credit Card Auth.
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☐ FedEx Standard Overnight
2 or 3 Business Days
☐ FedEx 2Day A.M.
☐ FedEx 2Day
☐ FedEx Express Saver

5 Packaging *Declared value limit \$500.
☐ FedEx Envelope*
☐ FedEx Pak*
☐ FedEx Box
☐ FedEx Tube
☒ Other

6 Special Handling and Delivery Signature Options
☐ Saturday Delivery
☐ No Signature Required
☐ Direct Signature
☐ Indirect Signature
Does this shipment contain dangerous goods?
☐ No
☐ Yes
☐ Yes
☐ Dry Ice
☐ Cargo Aircraft Only

7 Payment Bill to:
Sender
Recipient
Third Party
Credit Card
Cash/Check
Total Packages
Total Weight
Credit Card Auth.
611

*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.