

RUN 10

last revised Apr 7, 2016

Central Laboratory Submittal Form

Customer: WQAP

Requester: Judy Ashton

Field Report Prepared By: Judy Ashton

Project ID: SMP

Collected By: J. Ashton, L. BAKLER

Sampling Agency: FDEP

Location	RQ-2017-08-07-25 Date: 08-10-2017 Time:	G5SW0135 Field ID STORET	☐ Comp ☐ Grab	Collection (comp begin or grab) Date 8-10-17 Time 1000	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 3.84.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	Clam Bayou			Temp (C) 30.3	pH 7.3	Sample Depth 0.3	Sp. Conductance (umho/cm) 509008
Latitude			☐ dd ☐ dms	Salinity (ppt) 0.46	Comments SMP LIST REQ. MARINE SAMPLING KIT		
Location	RQ-2017-08-07-25 Date: 08-10-2017 Time:	G5SW0134 Field ID STORET	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8-10-17 Time 1050	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 4.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	PP Ditch #1			Temp (C) 30.3	pH 7.4	Sample Depth 0.3	Sp. Conductance (umho/cm) 529
Latitude			☐ dd ☐ dms	Salinity (ppt) 0.27	Comments SMP LIST REQ. MARINE SAMPLING KIT		
Location	RQ-2017-08-07-25 Date: 08-10-2017 Time:	G5SW0130 Field ID STORET	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8-10-17 Time 1145	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 2.9	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	Mckay Tidal			Temp (C) 32.2	pH 7.7	Sample Depth 0.3	Sp. Conductance (umho/cm) 54678
Latitude			☐ dd ☐ dms	Salinity (ppt) 21.5	Comments		
Location	RQ-2017-08-07-25 Date: 08-10-2017 Time:	G1SW0055 Field ID STORET	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8-10-17 Time 1235	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 4.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
STORET #	Mullet Crk Tidal			Temp (C) 30.0	pH 7.3	Sample Depth 0.3	Sp. Conductance (umho/cm) 2083
Latitude			☐ dd ☐ dms	Salinity (ppt) 1.05	Comments ENT. DROPPED W/ 2 AEL		

Relinquished By: J. Ashton	Date/Time 8-10-17 1700	Shipping Method Fed Ex	Number of Coolers Shipped: 2	Received By: ABG	Date/Time 8-10-17
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10:05

Group: A	Bottle Type: P-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY TURBIDITY W-F W-TSS				
Group: A	Bottle Type: BP-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W				
Group: A	Bottle Type: P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC				
Group: A	Bottle Type: P-125ML	# of Bottles: 3	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	3
	W-PO4-F				
Group: B	Bottle Type: QPCR-P-250ML	# of Bottles: 10	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER, PCR-GULL2				
Group: B	Bottle Type: P-120ML-WC-THI	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
	SWD-AEL-EN	DROPPED OFF ENTIRE @ ALL			
Group: B	Bottle Type: BG-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	3
	W-AHERB-AA W-SUC-AA-R W-UHERB-AA				
Group: C	Bottle Type: P-120ML-WC-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
	SWD-AEL-EC	DROPPED OFF E. COLI @ ALL			
Group: D	Bottle Type: QPCR-P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
	PCR-HF183, PCR-H183 PCR-FILTER				
Group: E	Bottle Type: QPCR-P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	PCR-GFD, PCR-FILTER				
Group: F	Bottle Type: QPCR-P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	PCR-GULL2				

GROUP G PCR-GFD QPCR-P-250ML

SENT 2



Advanced
Environmental Laboratories, Inc.

6501 Gulfpoint Pkwy. • Jacksonville, FL 32210 • 904.363.0350 • Fax 904.363.0354 • E62574
6510 Princess Palm Ave. • Tampa, FL 33619 • 813.630.5510 • Fax 813.630.4327 • E64553
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305 S. North Lake Blvd., Gte. 1015 • Altamonte Springs, FL 32701 • 407.337.1534 • Fax 407.337.1537 • E33076

LAB NUMBER:

Page 1 of 1

CLIENT NAME: FDEP - SW District		PROJECT NAME: TMDL / SMP		BOTTLE SIZE & TYPE		Sterile Plastic Bottle												LAB NUMBER	
ADDRESS: 13051 N. Telecom Pkwy		P.O. NUMBER/PROJECT NUMBER:		PROJECT LOCATION: Florida		AR													
PHONE: 813-470-5700		FAX: 813-470-5928		SAMPLED BY:		NE													
CONTACT: Matthew Boarden Genh-Emet		REMARKS/SPECIAL INSTRUCTIONS:		Fecal Coliforms		AQ													
TURN AROUND TIME:		PO AF315E		LU		YI													
☒ STANDARD				SR		IE													
☐ RUSH				SD															
Samples are ambient water and not suspected to contain chlorine																			
WW=waste water		SW=surface water		GW=ground water		DW=drinking water		Grab		Owl		Aest		SO=soil		SL=sediment			
Field ID		SITE NAME		Grab Comp		DATE		TIME		MATRIX		NO. COUNT		Preserv		Ice, T			
RQ-2017-08-07-25 Date: 08-10-2017 Time:		G5SW0135 Field ID STORET Clam Bayou		Grab		8-10-17		1000		SW									
RQ-2017-08-07-25 Date: 08-10-2017 Time:		G5SW0134 Field ID STORET PP Ditch #1		Grab		8-10-17		1050		SW									
RQ-2017-08-07-25 Date: 08-10-2017 Time:		G5SW0130 Field ID STORET Mckay Tidal		Grab		8-10-17		1145		SW									
RQ-2017-08-07-25 Date: 08-10-2017 Time:		G1SW0055 Field ID STORET Mullet Crk Tidal		Grab		8-10-17		1235		SW									
Shipment		Method		Sample ID		Container		RB		D/T		AB		D/T		Typ		EL	
Out:		Via:		Via:		Via:		Via:		Via:		Via:		Via:		Via:		Via:	
Ret:		Via:		Via:		Via:		Via:		Via:		Via:		Via:		Via:		Via:	
Received on		QC		sent		received													

Date of Request: 12-JUL-2017
 Created By: ASHTON_J On: 12-JUL-2017
 Modified By: SWANSON_C On: 20-JUL-2017
 Customer: WQAP
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District:
 Sampling Event: RUN 10

Send Coolers To:

Phone: 813-470-5772
 13051 N. Telecome Parkway

 Tampa, FL 33637
 Attn: Judy Ashton

Send Final Report To:

13051 N. Telecom Parkway

 Tampa, FL 33637
 Attn: Judy Ashton

Program Module Number:

Priority: 3

Event Status: R

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 20-JUL-2017

Biology Request Reviewed By: SWANSON_C On: 20-JUL-2017

Sampling Kit Required: YES Ship on: 26-JUL-2017

Sampling Kit Shipped: YES On: 26-JUL-2017

Sampling Kit Packed By: SHAIK_A

Preservatives Needed: NO

Date to Receive Samples: 10-AUG-2017

Received By: SHAIK_A On: 11-AUG-2017

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments: Group A: Marine Kit, No Metals

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	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-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: 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: P-500ML	Number of Bottles: 3	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
Bottle Type: P-125ML	Number of Bottles: 3	Preserved With: ICE-FLTR
W-PO ₄ -F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 5 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 10	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type:	Number of Bottles: 5	Preserved With: ICE
SWD-AEL-EN	Template: DEFAULT	(SM 9230 C) Enterococci by membrane filter method by Advanced Environmental Overflow Laboratories for SWD
Bottle Type: BG-1L	Number of Bottles: 5	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
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

Bottle Group C (Water) With 1 Samples:

Bottle Type:	Number of Bottles: 1	Preserved With: ICE
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Bottle Group C (Water) With 1 Samples:

Bottle Type: SWD-AEL-EC Number of Bottles: 1 Preserved With: ICE
Template: DEFAULT (EPA 1603) Escherichia coli by membrane filter method using modified mTEC by Advanced
Environmental Tampa Lab for SWD

Bottle Group D (Water) With 2 Samples:

Bottle Type: QPCR-P-250ML Number of Bottles: 4 Preserved With: ICE
PCR-HF183 Template: DEFAULT (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker
with quantitative polymerase chain reaction

Bottle Group E (Water) With 2 Samples:

Bottle Type: QPCR-P-250ML Number of Bottles: 4 Preserved With: ICE
PCR-GFD Template: DEFAULT (SOP-PCR-1.3) Detection and quantification of bird specific Helicobacter GFD genetic marker with
quantitative polymerase chain reaction

Bottle Group F (Water) With 2 Samples:

Bottle Type: QPCR-P-250ML Number of Bottles: 4 Preserved With: ICE
PCR-GULL2 Template: DEFAULT (SOP-PCR-1.2) Detection and quantification of coastal bird specific Catellicoccus marimammalium
Gull2 genetic marker with quantitative polymerase chain reaction

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

Log-in Checklist

RQ- 2017-08-07-25

Shipping Method: FedEx

Date/Time of Receipt: 8/11/17 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	
BLUE	3.9°C	13					
RED	6.7°C	15					

*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			W-CT-CI-R		

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: AB

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes No NA ✓ Init: J.O

Coolers Unpacked/Checked by: J.O Date: 8/11/17

NCRs (Y/N)?

Event ID: RUN 10

NCR #

WQAP-2017-08-11-04 (SMP)

Date Received: 11-AUG-2017 10:05

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:

to 8-10-17
Order's name
Phone 813 470-5700
Company FIDEP
Address 13651 N. FLORENCE PKWY
Tampa Terrace State FL ZIP 33637
Internal Billing Reference

Client's name SAMPLE RECEIVING
Phone 850 245-8085

Company FLORIDA DEP/CHEMISTRY SECTION

2600 BLAIRSTONE RD
not deliver to P.O. boxes or P.O. ZIP codes

2600 BLAIRSTONE RD
not deliver to P.O. boxes or P.O. ZIP codes

TALLAHASSEE State FL ZIP 32399-6542



8085 1642 7621

0119899085

4 Express Package Service * To most locations. NOTE: Service order has changed. Please select carefully.

Next Business Day

☐ FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Priority Overnight
Next business morning * Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight
Next business afternoon * Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M.
Second business morning * Saturday Delivery NOT available.

☐ FedEx 2Day
Second business afternoon * Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver
Third business day * Saturday Delivery NOT available.

5 Packaging * Declared value limit \$500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required
Package may be left without obtaining a signature for delivery.

☐ Direct Signature
Someone at recipient's address may sign for delivery. Fee applies.

☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies for residential deliveries only.

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

☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender Acct. No. in Section 1 will be billed. ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages Total Weight Credit Card Acct.

1 50 lbs

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

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to 8-10-17
Order's name
Phone 813 470-5700
Company FIDEP
Address 13651 N. FLORENCE PKWY
Tampa Terrace State FL ZIP 33637
Internal Billing Reference

Client's name SAMPLE RECEIVING
Phone 850 245-8085

Company FLORIDA DEP/CHEMISTRY SECTION

2600 BLAIRSTONE RD
not deliver to P.O. boxes or P.O. ZIP codes

2600 BLAIRSTONE RD
not deliver to P.O. boxes or P.O. ZIP codes

TALLAHASSEE State FL ZIP 32399-6542



8119 3904 5260

0127911085

4 Express Package Service * To most locations. NOTE: Service order has changed. Please select carefully.

Next Business Day

☐ FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Priority Overnight
Next business morning * Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Standard Overnight
Next business afternoon * Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M.
Second business morning * Saturday Delivery NOT available.

☐ FedEx 2Day
Second business afternoon * Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver
Third business day * Saturday Delivery NOT available.

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
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ No Signature Required
Package may be left without obtaining a signature for delivery.

☐ Direct Signature
Someone at recipient's address may sign for delivery.

☐ Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies for residential deliveries only.

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

☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

☐ Sender Acct. No. in Section 1 will be billed. ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages Total Weight Credit Card Acct.

1 50 lbs

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

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