Request Number: ~~RQ-2015-12-14-09~~ 2016-05-09-60

~~WBID: 1448D~~ WBID: 1787A

Customer: SW-DIST

Project ID: SCIREF

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Nov 10, 2015

Requester: Matthew Bearden

Field Report Prepared By: Judy Ashton

Collected By: Judy Ashton, Ashley Spencer

Sampling Agency: FDEP

Location ~~RQ-2015-12-14-09 21000047~~ ~~Date: 12-15-2015 Time: Field ID: 21FLTPA~~			☐ Comp ☒ Grab	Collection (comp begin or grab) Date / Time /	Eastern Central	Composite end Date Time			Bottle Group(s) (See pg 2)
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 RQ-2016-05-09-60 Date: 05/10/16 Time: HORSEREF 25020111			☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5-10-16 Time 13:00	Eastern Central	Composite end Date Time			Bottle Group(s) A/B
Field ID			Matrix (type, e.g., Salt, Fresh, etc)			Diss. Oxygen 7.9 45	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	
STORET #			Temp (C) 25.0	pH 7.3		Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 469	
Latitude	☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.22	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)	
STORET #			Temp (C)	pH		Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
J. Ashton	5-10-16 5:00	FED EX					CA	5/11/16 9:33

1 COOLER SHIPPED

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab 1
	ALKALINITY TURBIDITY W-BR-IC W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab 1
	CHLSUITE-W					
Group: A	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab 2
	PCR-HF183					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab 1
	W-ICP					
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab 1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab 1
	W-SUC-AA-R W-UHB-AA-R					
Group: B	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab 1
	MI-FW-QLDC					
Group: C	Bottle Type:	P-120ML-WC-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab 0
	SWD-AEL-FC	ADDED @ AEL				11

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☐ 2105 NW 67th Place, Ste. 7 • Gainesville, FL 32606 • 352.367.1500 • Fax 352.367.0050 • E82620
☐ 528 S. North Lake Blvd., Ste. 1016 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597 • E83678

LAB NUMBER: 1606425

Page ____ of ____

CLIENT NAME: FDEP - SW District	PROJECT NAME: TMDL / SMP
ADDRESS: 13051 N. Telecom Pkwy	P.O. NUMBER/PROJECT NUMBER:
Temple Terrace, FL 33637	PROJECT LOCATION: Florida
PHONE: 813-470-5700	FAX: 813-470-5996
CONTACT: Matthew Bearden ~~Sarah Ernst~~	SAMPLED BY:
TURN AROUND TIME: ☑ STANDARD ☐ RUSH ____	REMARKS/SPECIAL INSTRUCTIONS:

Samples are ambient water and not suspected to contain chlorine

WW=waste water SW=surface water GW=ground water DW=drinking water O=oil A=air SO=soil SL=sludge

Field ID	SITE NAME	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	Preserv	Ice, T	BOTTLE SIZE & TYPE: Sterile Plastic Bottle — Fecal Coliforms	LAB NUMBER
RQ-2016-05-09-60 Date: 05/10/16 Time:	HORSEREF 25020111	Grab	5-10-16	13:00	SW	1			1	09
		Grab			SW					
		Grab			SW					
		Grab			SW					
		Grab			SW					
		Grab			SW					

I-Ice H=(HCl) S=(H_2SO_4) N=(HNO_3) T=(Sodium Thiosulfate)

Shipment	Method	Sample Kit	Cooler #
Out:	Via:	RB ____ D/T	
Ret:	Via:	AB ____ D/T	
		Trip Bl.	

Received on Ic ☐ Yes ☐ No QC ☐ sent ☐ received

	Relinquish by:	Date	Time	Received by:	Date	Time
1		5/10/16	1545		5/10/16	1545
2						
3						
4						

revised 1/12

RQ-2016-05-09-60

Date of Request: 21-APR-2016
Created By: ASHTON_J On: 21-APR-2016
Modified By: WATTS_J On: 25-APR-2016
Customer: SW-DIST
Project: SCIREF
Division: Division of Environmental Assessment and Restoration
District: Southwest District
Sampling Event: Horse Ref

Send Coolers To:

Phone: 813-470-5951
FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
Attn: Matthew Bearden

Send Final Report To:

FL Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926
Attn: matthew.bearden@dep.state.fl.us

Program Module Number:
Priority: 3
Event Status: A
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 25-APR-2016
Biology Request Reviewed By: SWANSON_C On: 25-APR-2016
Sampling Kit Required: NO Ship on:
Sampling Kit Shipped:
Sampling Kit Packed By:
Preservatives Needed: NO
Date to Receive Samples: 10-MAY-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 CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride 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-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Bottle Type: BP-1L Number of Bottles: 1 Preserved With: ICE

CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Bottle Type: QPCR-P-250ML Number of Bottles: 2 Preserved With: ICE

PCR-HF183	Template: DEFAULT	(SOP-PCR01) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO3

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
Calcium		
Magnesium		
Potassium		
Sodium		

Bottle Type: P-500ML Number of Bottles: 1 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 A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4	
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices	
Bottle Type: BG-1L	Number of Bottles: 1	Preserved With: ICE	
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS	
W-UHB-AA-R	Template: DEFAULT	(EPA 8321B) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS	

Bottle Group B (Biological) With 2 Samples:

Bottle Type: PJ-2L	Number of Bottles: 4	Preserved With: Formalin
MI-FW-QLDC	Template:	(SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Bottle Group C (Water) With 2 Samples:

Bottle Type:	Number of Bottles: 2	Preserved With: ICE
SWD-AEL-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by membrane filter method by Advanced Environmental Overflow Laboratories for SWD

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

Log-in Checklist

RQ- 2016-05-09-60

Shipping Method: Fedex Date/Time of Receipt: 5/11/16 9:33

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	2.7	8		✓			8092 3436 1974

*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: cr

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes_____ No_____ NA ✓ Init: cr

Coolers Unpacked/Checked by: cr **Date:** 5/11/16 **NCRs (Y/N)?** N

Event ID: SW-DEST-2016-05-11-02 **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:

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528 S. North Lake Blvd., Ste. 1016 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597 • E53076

LAB NUMBER:

Page _____ of _____

CLIENT NAME: FDEP - SW District	PROJECT NAME: TMDL / SMP		
ADDRESS: 13051 N. Telecom Pkwy	P.O. NUMBER/PROJECT NUMBER:		
Temple Terrace, FL 33637	PROJECT LOCATION: Florida		
PHONE: 813-470-5700	FAX: 813-470-5996		
CONTACT: Matthew Pearcen ~~Sarah Ernst~~	SAMPLED BY:		
TURN AROUND TIME: ☑ STANDARD ☐ RUSH _____	REMARKS/SPECIAL INSTRUCTIONS		

Samples are ambient water and not suspected to contain chlorine

WW=waste water SW=surface water GW=ground water DW=drinking water O=oil A=air SO=soil SL=sludge

Field ID	SITE NAME	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	Preserv	Ice, T
RQ-2016-05-09-60 Date: 05/10/16 Time:	HORSEREF 25020111	Grab	5-10-16	15:20	SW	1		1
		Grab			SW			
		Grab			SW			
		Grab			SW			
		Grab			SW			
		Grab			SW			

BOTTLE SIZE & TYPE: Sterile Plastic Bottle — Fecal Coliforms

ANALYSIS REQUIRED / LAB NUMBER

I-Ice H=(HCl) S=(H_2SO_4) N=(HNO_3) T=(Sodium Thiosulfate)

Shipment	Method	Sample Kit	Cooler #
Out: _____	Via: _____	RB _____ D/T	
Ret: _____	Via: _____	AB _____ D/T	
		Trip Bl.	

	Relinquish by:	Date	Time	Received by:	Date	Time
1		5/10/16	15:45		5/10/16	15:45
2						
3						
4						

Received on Ice ☐ Yes ☐ No QC ☐ sent ☐ received

revised 1/12