

Project Title: Alva

Location Code: 27-6GR

Location Coordinates: N26.740151, W-81.736947

Location Description: Trout Creek @ SR78; upstream side

Sample Collection Time: 11:15

Lab ID# AD44731

Sample Collectors: Brian Ellis & Patrick Daughy

Date: 4/26/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD44731
@NP	1	1L	PE	N/A	AD44731
@NPFIL	1	250mL	PE	N/A	AD44731
@H2SO4	1	250mL	PE	No	AD44731
@HNO3	1	250mL	PE	No*	AD44731
@BACT	2	100mL	PP	Yes**	AD44731

	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	21.02	4077	38.9	3.42	7.33	0.1	8.49	0.3	0.3
Qualifiers									

SAMP = Regular Sample
FB = Field Blank
FCEB = Field Cleaned
Equipment Blank
SWF = Surface Water Fresh
PP = Polypropylene
PE = Polyethylene
CG = Clear Glass
G = Grab
GV = Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger and/or Sonde ID# 5D

Calibrated: 1/0/1900 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable): N/A

Velocity Meter ID# 2B

Distance Measuring Tool ID# 5349

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R6AA99050 Exp Date: 5/10/2017

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

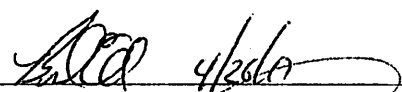
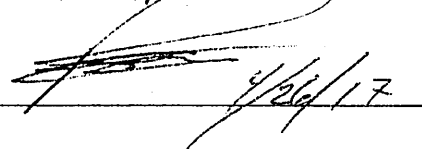
0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

- ☒ DFTOSTWS taken from middle of structure
☒ Samples submerged in ice within 15min.
☒ Samples preserved with Sulfuric Acid acidified in field within 15min.
☒ Filtered sample filtered on site
☒ Equipment & Bottles cleaned according to DEP
FC1000 and LCEL Field Sampling Quality Manual
☒ Velocity not detectable and/or is lower than MDL
☒ Acidified samples pH verified in field (quarterly)
Quarterly Months: January, April, July, October
☐ @NP bottle used to fill all other bottles.

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	160903	1/31/2020

Signature of Sample Collector(s) and Date:

 4/26/17
 4/26/17

Project Title: Alva
 Location Code: 29-8GR
 Location Coordinates: N26.730658, W-81.701564
 Location Description: Telegraph Creek @ SR78; upstream side
 Sample Collection Time: 1044
 Lab ID# AD44729
 Sample Collectors: Brian Ellis & Patrick Daughy

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD44729
@NP	1	1L	PE	N/A	AD44729
@NPFIL	1	250mL	PE	N/A	AD44729
@H2SO4	1	250mL	PE	No	AD44729
@HNO3	1	250mL	PE	No*	AD44729
@BACT	2	100mL	PP	Yes**	AD44729

Date: 4/26/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	23.53	12581	47.4	3.87	7.38	0.1	12.46	0.5	2.6
Qualifiers						U			

SAMP = Regular Sample

PP = Polypropylene

FB = Field Blank

PE = Polyethylene

FCEB = Field Cleaned

CG = Clear Glass

Equipment Blank

G = Grab

SWF = Surface Water Fresh

GV = Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger and/or Sonde ID# 5D

Calibrated: 1/0/1900 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable): N/A

Velocity Meter ID# 2B

Distance Measuring Tool ID# 5349

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R6AA99050 Exp Date: 5/10/2017

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

☒ DFTOSTWS taken from middle of bridge

☒ Samples submerged in ice within 15min.

☒ Samples preserved with Sulfuric Acid acidified in field within 15min.

☒ Filtered sample filtered on site

☒ Equipment & Bottles cleaned according to DEP

FC1000 and LCEL Field Sampling Quality Manual

Misc:

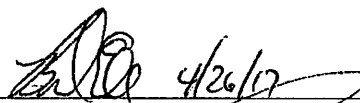
☒ Velocity not detectable and/or is lower than MDL

☒ Acidified samples pH verified in field (quarterly)

Quarterly Months: January, April, July, October

☐ @NP bottle used to fill all other bottles.

Signature of Sample Collector(s) and Date:

 4/26/17
 4/26/17

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	160903	1/31/2020

Project Title: Alva

Location Code: CYPRESSGR

Location Coordinates: N26.726014, W-81.627003

Location Description: Cypress Creek @ SR78; upstream side

Sample Collection Time: 1612

Lab ID# AD44727

Sample Collectors: Brian Ellis & Patrick Daughy

Date: 4/26/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD44727
@NP	1	1L	PE	N/A	AD44727
@NPFIL	1	250mL	PE	N/A	AD44727
@H2SO4	1	250mL	PE	No	AD44727
@HNO3	1	250mL	PE	No*	AD44727
@BACT	2	100mL	PP	Yes**	AD44727

4	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters	22.35	459	31.9	2.77	7.48	0.1	7.65	0.5	1.7
Qualifiers									

SAMP = Regular Sample

PP = Polypropylene

FB = Field Blank

PE = Polyethylene

FCEB = Field Cleaned

CG = Clear Glass

Equipment Blank

G = Grab

SWF = Surface Water Fresh

GV = Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger and/or Sonde ID# 5D

Calibrated: 1/01/2000 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable): N/A

Velocity Meter ID# 2B

Distance Measuring Tool ID# 5349

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R6AA99050 Exp Date: 5/10/2017

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

☒ DFTOSTWS taken from middle of structure

☒ Samples submerged in ice within 15min.

☒ Samples preserved with Sulfuric Acid acidified in field within 15min.

☒ Filtered sample filtered on site

☒ Equipment & Bottles cleaned according to DEP

FC1000 and LCEL Field Sampling Quality Manual

☒ Velocity not detectable and/or is lower than MDL

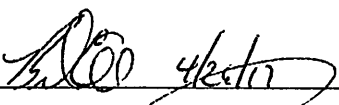
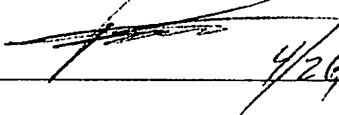
☒ Acidified samples pH verified in field (quarterly)

Quarterly Months: January, April, July, October

☐ @NP bottle used to fill all other bottles.

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	160903	1/31/2020

Signature of Sample Collector(s) and Date:



4/26/17

Project Title: Alva

Location Code: 270-GR20

Location Coordinates: N26.740289, W-81.755697

Location Description: Owl Creek @ SR78; upstream side

Sample Collection Time: 1/26

Lab ID# AD44732

Sample Collectors: Brian Ellis & Patrick Daughy

Date: 4/26/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD44732
@NP	1	1L	PE	N/A	AD44732
@NPFIL	1	250mL	PE	N/A	AD44732
@H2SO4	1	250mL	PE	No	AD44732
@HNO3	1	250mL	PE	No*	AD44732
@BACT	2	100mL	PP	Yes**	AD44732

	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)
Field Parameters									
Qualifiers									

SAMP = Regular Sample

PP = Polypropylene

FB = Field Blank

PE = Polyethylene

FCEB = Field Cleaned

CG = Clear Glass

Equipment Blank

G = Grab

SWF = Surface Water Fresh

GV = Grab Van Dorn

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Equipment Used

YSI Data Logger and/or Sonde ID# 5D

Calibrated: 1/0/1900 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable):

Velocity Meter ID# 2B

Distance Measuring Tool ID# 5349

0.45µm Filter, 47mm PP Filter Holder, & 60mL Syringe

Filter Lot # R6AA99050 Exp Date: 5/10/2017

30mL FEP Drop Bottle w/Sulfuric Acid (see preservatives)

0.0-3.0 pH Test Paper for pH Verification

Containers of Analyte Free Water for Rinsing and Blank

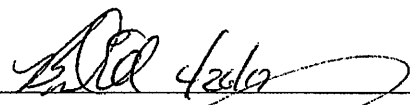
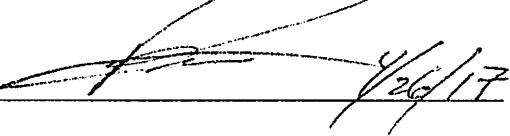
- ☐ DFTOSTWS taken from middle of structure
- ☒ Samples submerged in ice within 15min.
- ☐ Samples preserved with Sulfuric Acid acidified in field within 15min.
- ☐ Filtered sample filtered on site
- ☐ Equipment & Bottles cleaned according to DEP FC1000 and LCEL Field Sampling Quality Manual
- ☐ Velocity not detectable and/or is lower than MDL
- ☐ Acidified samples pH verified in field (quarterly)
Quarterly Months: January, April, July, October
- ☐ @NP bottle used to fill all other bottles.

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	160903	1/31/2020

Misc: Not Connected upstream or

Downstream.

Signature of Sample Collector(s) and Date:



4/26/17

Lab Certification: E45049
LCEL_FT2_COC Field 20160822R0

Analysis Request

LCEL does not accept any samples used for evidentiary purposes

[illegible]

Date of Request: 14-FEB-2017
Created By: ANDERSON_C On: 14-FEB-2017
Modified By: MATTHEWS_D On: 28-FEB-2017
Customer: SO-DIST
Project: SMP
Division: Not Applicable
District:
Sampling Event: Lee Co Tracers & Markers

Send Coolers To:

Phone: (239) 533-8600
Lee County Environmental Lab
60-2 Danley Dr
Fort Myers, FL 33907
Attn: Rick Armstrong

Program Module Number:
Priority: 3
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 27-FEB-2017
Biology Request Reviewed By: MATTHEWS_D On: 28-FEB-2017
Sampling Kit Required: YES Ship on: 06-MAR-2017
Sampling Kit Shipped: YES On: 06-MAR-2017
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 20-MAR-2017
Received By: REYNOLDS_T On: 26-APR-2017

Send Final Report To:

FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: Corey Anderson

Report Type: Final Only
FTP Data: NO
QC Report: YES
Date Log: NO
Authorization Log: NO

Comments: DEP Lab: please send at least 3 coolers

Lee county providing bacteria analysis and results.

Waterbodies:
Chapel (Bayshore) Creek
Cypress Creek
Powell Creek
Owl Creek
Telegraph Creek
Trout Creek
Whiskey Creek

Bottle Group A (Water) With 7 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 14	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-1L	Number of Bottles: 7	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.

Log-in Checklist

RQ- 2017-03-20-20

Shipping Method: Fed Ex

Date/Time of Receipt: 4/27/17 10:25

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	3.7°C	9		✓			

*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: JD

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☐ NA ☒ Init: JD

Coolers Unpacked/Checked by: JD Date: 4/27/17 NCRs (Y/N)? ☐

Event ID: SO-DIST-2017-04-27-01 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:

01000

03323

fedex.com 1800.GoFedEx 1800.463.3339

06325007

FedEx Package
Express US Airbill
FedEx
Tracking
Number

8111 7111 7448

MUR4

Form
ID No.

0215

1 From Please print and press hard.

Date 4/26/17 Sender's FedEx
Account NumberSender's
Name

Phone

239, 533-8600

Company

LEE COUNTY ENV. LAB

Address

60 Danley Dr #2

City

Ft. Myers

State

FL

ZIP

33907

2 Your Internal Billing Reference

First 24 characters will appear on invoice.

3 To

Recipient's
Name

Phone (850) 245-8085

Company

FLORIDA DEP/CHEMISTRY SECTION

Address

2600 BLAIRSTONE RD

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City

TALLAHASSEE

State

FL

ZIP

32399-6542

Hold Weekday
FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.Hold Saturday
FedEx location address
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.

0125636852


Shipping online just got easier.
Go to fedex.com/lite.

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
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. 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 _____ x _____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

☐ 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

FedEx Acct. No.

Credit Card No. 4490-2262-9

Exp.
Date

Total Packages

Total Weight

Total Declared Value¹

lbs. \$.00

¹Our liability is limited to US\$100 unless you declare a higher value. See back for details. By using this airbill you agree to the service conditions on the back of this airbill and in the current FedEx Service Guide, including terms that limit our liability.

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PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO FURTHER NEEDED