

Project Title: Alva

Location Code: CYPRESSGR

Location Coordinates: N26.726014, W-81.627003

Location Description: Cypress Creek @ SR78; upstream side

Sample Collection Time: 9:55

Lab ID# AD44953

Sample Collectors: Liza Rollins & Brian Ellis

Date: 5/1/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD44953
@NP	1	1L	PE	N/A	AD44953
@NPFIL	1	250mL	PE	N/A	AD44953
@H2SO4	1	250mL	PE	No	AD44953
@HNO3	1	250mL	PE	No*	AD44953
@BACT	2	100mL	PP	Yes**	AD44953

6	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	25.84	495	36.50	2.97	7.42	0.100	7.50	0.50	1.60
Qualifiers						U			

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

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/Sonde #

G

Calibrated: 5/1/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter #

2b

Sonin Electronic Distance Measuring Tool

4994

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

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: ___ duck weed present on surface

Signature of Sample Collector(s) and Date:

Liza Rollins

5/1/17

Tyler Reynolds 05/03/17
@ 9:45a

Project Title: Alva

Location Code: 29-8GR

Location Coordinates: N26.730658, W-81.701564

Location Description: Telegraph Creek @ SR78; upstream side

Sample Collection Time: 10:20

Lab ID# AD44955

Sample Collectors: Liza Rollins & Brian Ellis

Date: 5/1/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD44955
@NP	1	1L	PE	N/A	AD44955
@NPFIL	1	250mL	PE	N/A	AD44955
@H2SO4	1	250mL	PE	No	AD44955
@HNO3	1	250mL	PE	No*	AD44955
@BACT	2	100mL	PP	Yes**	AD44955

8	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	27.26	12274	49.40	3.77	7.20	0.100	11.55	0.50	2.00
Qualifiers						U			

*Nitric Acid added upon return to Lab

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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/Sonde #

G

Calibrated: 5/1/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter # 2b

Sonin Electronic Distance Measuring Tool 4994

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

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
☒ 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:

Signature of Sample Collector(s) and Date:

Liza Rollins 5/1/17

Tyler Reynolds 05/03/17
@ 9:45a

Project Title: Alva

Location Code: 27-6GR

Location Coordinates: N26.740151, W-81.736947

Location Description: Trout Creek @ SR78; upstream side

Sample Collection Time: 10:56

Lab ID# AD44957

Sample Collectors: Liza Rollins & Brian Ellis

Date: 5/1/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD44957
@NP	1	1L	PE	N/A	AD44957
@NPFIL	1	250mL	PE	N/A	AD44957
@H2SO4	1	250mL	PE	No	AD44957
@HNO3	1	250mL	PE	No*	AD44957
@BACT	2	100mL	PP	Yes**	AD44957

10	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	24.96	8275	30.50	2.46	7.29	0.100	7.52	0.40	0.40
Qualifiers						U			

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

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FB = Field Blank
FCBB = 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/Sonde #

G

Calibrated: 5/1/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter # 2h

Sonin Electronic Distance Measuring Tool 4994

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

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:

Signature of Sample Collector(s) and Date:

Liza Rollins 5/1/17

Tyler Reynolds 05/03/17
@ 9:45a

Project Title: Alva

Location Code: 27O-GR20

Location Coordinates: N26.740289, W-81.755697

Location Description: Owl Creek @ SR78; upstream side

Sample Collection Time: 11:10

Lab ID# AD44958

Sample Collectors: Liza Rollins & Brian Ellis

Date: 5/1/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD44958
@NP	1	1L	PE	N/A	AD44958
@NPFIL	1	250mL	PE	N/A	AD44958
@H2SO4	1	250mL	PE	No	AD44958
@HNO3	1	250mL	PE	No*	AD44958
@BACT	2	100mL	PP	Yes**	AD44958

11	Temp (°C)	SpCond (µS/cm)	D.O. (%)	D.O. (mg/L)	pH	Velocity (ft/s)	DFTOSTWS (ft)	Sample Depth (m)	Total Depth (m)	SAMP = Regular Sample	PP = Polypropylene
Field Parameters										FB = Field Blank	PE = Polyethylene
Qualifiers										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/Sonde # G

Calibrated: 5/1/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter # 2b

Sonin Electronic Distance Measuring Tool 4994

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

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.

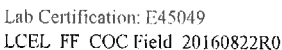
Preservatives:	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	160903	1/31/2020

Misc: dry site

Signature of Sample Collector(s) and Date:

Liza Rollins

5/1/17



Analysis Request

LCEL does not accept any samples used for evidentiary purposes

Report/Result Information			Billing/Invoice Information			Matrix Codes:			Preservative Codes:					
Name: DNRM			Name: DNRM			DW-Drinking Water GW-Ground Water WW-Wastewater CONC-Concentrate SO-Soil SE-Sediment SL-Sludge SA-Saline			SW-Surface Water SWF-Surface Water Fresh SWE-Surface Water Estuarine SWM-Surface Water Marine LE-Landfill Leachate RA-Atmospheric Deposition WWS-Wastewater Sludge O-Other			NP-No Preservative N-Nitric Acid FD-Field Parameter ST-Sodium Thiosulfate AA-Ascorbic Acid M-Monochloroacetic Acid EDA-Ethylene Diamine MS-Manganous Sulfate Solution AIA-Alkaline-Iodide-Azide Reagent		
Address: 1500 Monroe St. Ft. Myers, FL 33901			Address: 1500 Monroe St. Myers, FL 33901											
Phone/Fax/Cell: 239-533-8109			Phone/Fax/Cell: 239-533-8109											
Sample Collector(s) (please print):			Sample Collector Signature:											
Liza Rollins & Brian Ellis			Liza Rollins & Brian Ellis											
Relinquished By: (signature)			Date & Time (24hr):			Received By: (signature)								
Relinquished By: (signature)			Date & Time (24hr):			Received By: (signature)								
Relinquished By: (signature)			Date & Time (24hr):			Received By: (signature)								
Sample(s) on wet ice? ☒ Y ☐ No			Temp (°C): 0.2											
Collection Date & Time (24hr)			Sample Location & Description			Sample Matrix			# of Sample Containers Submitted			Lab ID#		
5/1/2017 8:50			39-GR20 Olga @ SR 80			SWF			X X X X 4 1 2 1 1 1			AD44948		
5/1/2017 9:04			38-3GR Hickey Cr/SR80, Up			SWF			X X X X 2 1 1 1 1 1			AD44949		
5/1/2017 9:16			37-15GR Bedman Creek Trib @ Tuckahoe Rd; Upstre			SWF			X X X X 2 1 1 1 1 1			AD44950		
5/1/2017 9:24			37-4GR Bedman Cr/SR 80, Up			SWF			X X X X 2 1 1 1 1 1			AD44951		
5/1/2017 9:44			SPANISHGR Spanish Creek			SWF			X X X X 2 1 1 1 1 1			AD44952		
5/1/2017 9:55			CYPRESSGR Cypress Creek @ 78			SWF			X X X X 2 1 1 1 1 1			AD44953		
5/1/2017 10:05			FICHTERSGR Fichters Creek @ SR 78			SWF			X X X X 2 1 1 1 1 1			AD44954		
5/1/2017 10:20			29-8GR Bridge at Telegraph Cr E, Up			SWF			X X X X 2 1 1 1 1 1			AD44955		
5/1/2017 10:40			28-5GR Single Culv Under Duke Hwy/Ott			SWF			X X X X 2 1 1 1 1 1			AD44956		
5/1/2017 10:56			27-6GR N River Rd/Trout Cr, Up side			SWF			X X X X 2 1 1 1 1 1			AD44957		
5/1/2017 11:10			27O-GR20 Owl Creek @ SR 78			SWF			X X X X 2 1 1 1 1 1			AD44958		
5/1/2017 10:25			WSEQB Watershed Equipment Blank			SWF			X X X X 2 1 1 1 1 1			AD44959		

Date of Request: 14-FEB-2017
Created By: ANDERSON_C On: 14-FEB-2017
Modified By: MATTHEWS_D On: 03-APR-2017
Customer: SO-DIST
Project: SMP
Division: Not Applicable
District:
Sampling Event: Lee County 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: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 24-MAR-2017
Biology Request Reviewed By: MATTHEWS_D On: 03-APR-2017
Sampling Kit Required: YES Ship on: 04-APR-2017
Sampling Kit Shipped: YES On: 05-APR-2017
Sampling Kit Packed By: GREENWOO_J
Preservatives Needed: NO
Date to Receive Samples: 17-APR-2017
Received By:

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 enough coolers for 3 sampling events (at least 3 coolers).

Lee County is analyzing bacteria

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-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

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

Log-in Checklist

RQ- 2017-04-17-08

Shipping Method: Fedex

Date/Time of Receipt: 05/03/17 @ 9:45am

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	0.2°C	9		✓			811305624014

*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)		<u>✓</u>	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-Cl-R		

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

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

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

Coolers Unpacked/Checked by: ML Date: 05/03/17 NCRs (Y/N)? N

Event ID: SO-DIST-2017-05-03-02 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:

1 From Please print and press hard.
Date 5/1/17

Sender's FedEx Account Number

Sender's Name

Company Lee County ENV LAB
Address 60 Danley Dr #2
City Fort Myers State FL ZIP 33907

Phone 239, 533-8600

2 Your Internal Billing Reference
Print & characters will appear on invoice.

OPTIONAL

3 To Recipient's Name SAMPLE RECEIVING
Company FLORIDA DEP/CHEMISTRY SECTION
Address 2600 BLAIRSTONE RD
City TALLAHASSEE State FL ZIP 32309

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 special locations.



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

0126430468

Form ID No. 0215

4 Express Package Service

*To most locations.

Packages up to 150 lbs.
For packages over 50 lbs., use the
FedEx Express Freight US Airbill.

Next Business Day

- ☐ FedEx First Overnight
Earliest next business morning delivery to select
locations. Delivery guaranteed 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
No signature required for delivery.
- ☐ Direct Signature
Someone at recipient's address
must 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 ☐ Yes ☐ Yes ☐ Yes ☐ Yes
- ☐ No ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes
- ☐ No ☐ Yes ☐ Yes ☐ Yes ☐ Yes ☐ Yes

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

7 Payment Bill to:

- ☐ Sender ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check
- ☐ FedEx Account No. 4490-2262-9 ☐ Credit Card No. ☐ Cash/Check
- ☐ Total Packages ☐ Total Weight ☐ Total Declared Value*

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Your liability is limited to \$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 to the current FedEx Service Guide, including terms that limit our liability.
Rev. Date 5/15 • Part #1E3134 • ©1984-2015 FedEx • PRINTED IN U.S.A. SRM

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