

Project Title: Alva

Location Code: CYPRESSGR

Location Coordinates: N26.726014, W-81.627003

Location Description: Cypress Creek @ SR78; upstream side

Sample Collection Time: 10:15

Lab ID# AD48007

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 7/13/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

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	26.12	246	50.90	4.12	7.12	0.100	7.33	0.50	1.90
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

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD48007
@NP	1	1L	PE	N/A	AD48007
@NPFIL	1	250mL	PE	N/A	AD48007
@H2SO4	1	250mL	PE	No	AD48007
@HNO3	1	250mL	PE	No*	AD48007
@BACT	2	100mL	PP	Yes**	AD48007

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: 7/10/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter ID# 1B

Distance Measuring Tool ID# 5346

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

Filter Lot # R6EA63342 Exp Date: 1/31/2018

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	160921	10/24/2038

Misc: _____

Signature of Sample Collector(s) and Date:

7/13/2017

AD 07-14-17/9:40

Project Title: Alva
Location Code: 29-8GR
Location Coordinates: N26.730658, W-81.701564
Location Description: Telegraph Creek @ SR78; upstream side

Sample Collection Time: 10:44

Lab ID# AD48009

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 7/13/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD48009
@NP	1	1L	PE	N/A	AD48009
@NPFIL	1	250mL	PE	N/A	AD48009
@H2SO4	1	250mL	PE	No	AD48009
@HNO3	1	250mL	PE	No*	AD48009
@BACT	2	100mL	PP	Yes**	AD48009

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	26.64	219	50.70	4.06	6.87	0.382	12.17	0.50	1.50
Qualifiers									

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

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/Sonde # G

Calibrated 7/10/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter ID# 18

Distance Measuring Tool ID# 5346

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

Filter Lot # R6EA6342 Exp Date: 1/31/2018

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	160921	10/24/2038

Misc: _____

Signature of Sample Collector(s) and Date:

7/13/2017

07-14-17/0940

Project Title: Alva
Location Code: 27-6GR
Location Coordinates: N26.740151, W-81.736947
Location Description: Trout Creek @ SR78; upstream side

Sample Collection Time: 11:11

Lab ID# AD48011

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 7/13/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD48011
@NP	1	1L	PE	N/A	AD48011
@NPFIL	1	250mL	PE	N/A	AD48011
@H2SO4	1	250mL	PE	No	AD48011
@HNO3	1	250mL	PE	No*	AD48011
@BACT	2	100mL	PP	Yes**	AD48011

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	26.40	209	46.40	3.74	6.96	0.876	6.13	0.50	1.00
Qualifiers									

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

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/Sonde # G

Calibrated 7/10/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter ID# 1B

Distance Measuring Tool ID# 5346

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

Filter Lot # R6EA63342 Exp Date: 1/31/2018

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	160921	10/24/2038

Misc: _____

Signature of Sample Collector(s) and Date:

7/13/2017

Handwritten signature and date: 07-14-17/09-10

Project Title: Alva

Location Code: 270-GR20

Location Coordinates: N26.740289, W-81.755697

Location Description: Owl Creek @ SR78; upstream side

Sample Collection Time: 11:22

Lab ID# AD48012

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 7/13/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

11	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	26.57	271	56.80	4.56	7.11	0.456	7.15	0.50	1.20
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

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD48012
@NP	1	1L	PE	N/A	AD48012
@NPFIL	1	250mL	PE	N/A	AD48012
@H2SO4	1	250mL	PE	No	AD48012
@HNO3	1	250mL	PE	No*	AD48012
@BACT	2	100mL	PP	Yes**	AD48012

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 7/10/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable)

Velocity Meter ID# 1B

Distance Measuring Tool ID# 5346

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

Filter Lot # R6EA63342 Exp Date: 1/31/2018

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.

Signature of Sample Collector(s) and Date:

7/13/2017

Preservatives:	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	160921	10/24/2038

Misc:

ADG 07-14-17/9:40

Lab Certification: E45049
LCEL FF COC Field 20160822R0

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 & Patrick Daughy														
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? ☒ Yes ☐ No			Temp (°C): 2.2											
Collection Date & Time (24hr)			Sample Location & Description			Sample Matrix			# of Sample Containers Submitted			Lab ID#		
7/13/2017 9:05			39-GR20 Olga @ SR 80			SWF			X X X X 4 1 2 1 1 1			AD48002		
7/13/2017 9:15			38-3GR Hickey Cr/SR80, Up			SWF			X X X X 2 1 1 1 1 1			AD48003		
7/13/2017 9:30			37-15GR Bedman Creek Trib @ Tuckahoe Rd; Upstre			SWF			X X X X 2 1 1 1 1 1			AD48004		
7/13/2017 9:43			37-4GR Bedman Cr/SR 80, Up			SWF			X X X X 2 1 1 1 1 1			AD48005		
7/13/2017 9:59			SPANISHGR Spanish Creek			SWF			X X X X 2 1 1 1 1 1			AD48006		
X 7/13/2017 10:15			CYPRESSGR Cypress Creek @ 78			SWF			X X X X 2 1 1 1 1 1			AD48007		
7/13/2017 10:31			FICHTERSGR Fichters Creek @ SR 78			SWF			X X X X 2 1 1 1 1 1			AD48008		
X 7/13/2017 10:44			29-8GR Bridge at Telegraph Cr E, Up			SWF			X X X X 2 1 1 1 1 1			AD48009		
7/13/2017 10:56			28-5GR Single Culv Under Duke Hwy/Ott			SWF			X X X X 2 1 1 1 1 1			AD48010		
X 7/13/2017 11:11			27-6GR N River Rd/Trount Cr, Up side			SWF			X X X X 2 1 1 1 1 1			AD48011		
X 7/13/2017 11:22			270-GR20 Owl Creek @ SR 78			SWF			X X X X 2 1 1 1 1 1			AD48012		
7/13/2017 10:19			WSEQB Watershed Equipment Blank			SWF			X 2 1 1 1 1 1			AD48013		

*- DEP Bottles

Date of Request: 02-MAR-2017
Created By: ANDERSON_C On: 02-MAR-2017
Modified By: MATTHEWS_D On: 14-JUN-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: 13-JUN-2017
Biology Request Reviewed By: MATTHEWS_D On: 14-JUN-2017
Sampling Kit Required: YES Ship on: 15-JUN-2017
Sampling Kit Shipped: YES On: 15-JUN-2017
Sampling Kit Packed By: GREENWOO_J
Preservatives Needed: NO
Date to Receive Samples: 03-JUL-2017
Received By: SHAIK_A On: 14-JUL-2017

Send Final Report To:

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

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 running bacteria samples.

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-2017-07-03-08

Shipping Method: FEDEX

Date/Time of Receipt: 07-14-17 19:40

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	2.1C	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		<u>/</u>	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-CL-R		

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

****Acid Preserved Samples:** pH ≤ 2.0? Yes / No / NA / Init: ASD

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

Coolers Unpacked/Checked by: ASD Date: 7-14-17 NCRs (Y/N)? /

Event ID: Lee Co Tracers & Markers NCR # /

SO-DIST-2017-07-14-01 (SMP)
Date Received: 14-JUL-2017 09:40

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:

ORIGIN ID: FMYA (239) 533-8600
 MISHEL MULLAN
 LEE COUNTY ENVIRONMENTAL LAB
 60 DANLEY DR
 UNIT 2
 FT MYERS, FL 33907
 UNITED STATES US

SHIP DATE: 13JUL17
 ACTWGT: 50.00 LB
 CAD: 4923492/INET3850

BILL RECIPIENT

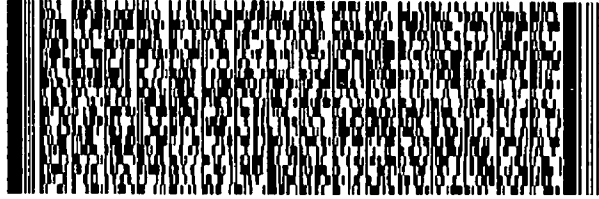
TO FL DEP CHEMISTRY LAB
 CHEMISTRY LAB
 2600 BLAIRSTONE RD
 ATTN: SAMPLE RECEIVING
 TALLAHASSEE FL 32399

(850) 245-8336

REF 07/13/2017 6RET

INV
 PO

DEPT



FRI - 14 JUL 10:30A
 PRIORITY OVERNIGHT

TRK# 7796 2143 6054
 0201

XH TLHA

32399
 FL-US TLH



546J1/00C263C1

After printing this label:

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2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

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