

Lab Certification: E45049
LCEL FF COC Field 20160822R0

Lee County Environmental Laboratory
60-2 Danley Dr Ft Myers, FL 33907
Phone: (239) 533-8600

Chain of Custody Record

LCEL does not accept any samples used for evidentiary purposes

[illegible]

*DEP Bottles

Project Title: Powl/Bayshore

Location Code: 22-7GR

Location Coordinates: N26.715253, W-81.821958

Location Description: Bayshore Cr @ SR78; Just East of Railroad Tracks

Sample Collection Time: 10:33

Lab ID# AD49810

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 8/1/2017

*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	26.51	239	41.20	3.31	6.94	1.372	3.00	0.50	1.40
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# G

Calibrated: 8/1/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable):

Velocity Meter ID# 1B

Distance Measuring Tool ID# 5349

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

Signature of Sample Collector(s) and Date:

☒ 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

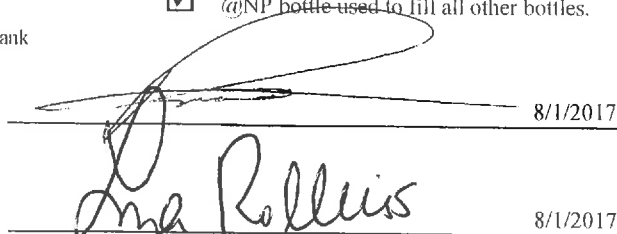
☐ Acidified samples pH verified in field (quarterly)

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	170129	6/30/2030

Misc: _____


8/1/2017

Tyler Reynolds 08/02/17

Project Title: Powl/Bayshore

Location Code: POWLGR20

Location Coordinates: N26.683132, W-81.877392

Location Description: Just West of N Evalena Rd

Sample Collection Time: 11:54

Lab ID# AD49817

Sample Collectors: Liza Rollins & Patrick Daughy

Date: 8/1/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD49817
@NP	1	1L	PE	N/A	AD49817
@NPFIL	1	250mL	PE	N/A	AD49817
@H2SO4	1	250mL	PE	No	AD49817
@HNO3	1	250mL	PE	No*	AD49817
@BACT	2	100mL	PP	Yes**	AD49817

13	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	27.14	258	65.20	5.18	7.01	1.571	7.74	0.50	1.00
Qualifiers									

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

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FCEB = Field Cleaned

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Equipment Blank

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SWF = Surface Water Fresh

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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# G

Calibrated: 8/1/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable):

Velocity Meter ID# 1B

Distance Measuring Tool ID# 5349

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

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

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- ☒ DFTOSTWS taken from middle of structure
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- ☒ 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.

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HNO ₃ *	1115041	4/29/2017
Na ₂ S ₂ O ₃	170129	6/30/2030

Signature of Sample Collector(s) and Date:

8/1/2017

Liza Rollins

8/1/2017

Tyler Reynolds 08/02/17

Date of Request: 14-FEB-2017
 Created By: ANDERSON_C On: 14-FEB-2017
 Modified By: MATTHEWS_D On: 06-JUN-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: CLONE_TEMP On: 02-JUN-2017
 Biology Request Reviewed By: MATTHEWS_D On: 06-JUN-2017
 Sampling Kit Required: YES Ship on: 07-JUN-2017
 Sampling Kit Shipped: YES On: 07-JUN-2017
 Sampling Kit Packed By: GREENWOO_J
 Preservatives Needed: NO
 Date to Receive Samples: 19-JUN-2017
 Received By:

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 analyzing bacteria for PCR-FILTER test.

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- 2017-06-19-09

Shipping Method: Fedex

Date/Time of Receipt: 08/02/17 @ 10:10 ~

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	2.2°C	6		✓			

*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: MR

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

Coolers Unpacked/Checked by: MR Date: 08/02/17 NCRs (Y/N)? N

Event ID: SU-DIST-2017-08-02-01 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:

dEx Express Package
US Airbill

FedEx Tracking Number 8115 9551 8101

Form 10 No. 0215

Please print and press hard.

Sender's FedEx Account Number

Phone (239) 533-8600

Sender's

City

State

Dept./Floor/Suite/Room

Internal Billing Reference

Characters will appear on invoice.

Recipient's

SAMPLE RECEIVING

Phone (850) 245-8085

City

FLORIDA DEP/CHEMISTRY SECTION

State

2600 BLAIRSTONE RD

Dept./Floor/Suite/Room

City

Line for the HOLD location address or for continuation of your shipping address.

TALLAHASSEE

State FL ZIP 32399

0126912290



Deliveries when and where you want.
Learn about FedEx Delivery Manager® at fedex.com/delivery.

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?

- ☐ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice
Dry Ice, S, UN 1845 x kg
- ☐ Cargo Aircraft Only

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

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. 4490-2262-9 Exp. Date
- Total Packages Total Weight Total Declared Value†
- lbs. \$.00

†Our 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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611