

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: 10:19

Lab ID# AD45217

Sample Collectors: Liza Rollins & Brian Ellis

Date: 5/4/2017

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

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	25.92	12398	4.50	0.35	7.16	0.100	9.34	0.50	0.80
Qualifiers						U			

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	AD45217
@NP	1	1L	PE	N/A	AD45217
@NPFIL	1	250mL	PE	N/A	AD45217
@H2SO4	1	250mL	PE	No	AD45217
@HNO3	1	250mL	PE	No*	AD45217
@BACT	2	100mL	PP	Yes**	AD45217

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Preservative	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

Equipment Used

YSI Data Logger and/or Sonde ID# G

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

Opaque Horizontal Van Dorn # (if applicable):

Velocity Meter ID# 2B

Distance Measuring Tool ID# 4994

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.

Misc: _____

Signature of Sample Collector(s) and Date:

Liza Rollins

5/4/17

Brian Ellis

5/4/17

APB
5/5/17
10:15

LCEL

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

Lab Certification: E45049

LCEL_FF_COC Field_20160822R0

Analysis Request

&

Chain of Custody Record

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		SW-Surface Water	NP-No Preservative		S-Sulfuric Acid									
Address: 1500 Monroe St Ft Myers, FL 33901	Address: 1500 Monroe St Myers, FL 33901		GW-Ground Water		SWF-Surface Water Fresh	N-Nitric Acid		FF-Field Filtered(NP)									
Phone/Fax/Cell: 239-533-8109	Phone/Fax/Cell: 239-533-8109		WW-Wastewater		SWE-Surface Water Estuarine	FD-Field Parameter		H-Hydrochloric Acid									
Sample Collector(s) (please print):			CONC-Concentrate		SWM-Surface Water Marine	ST-Sodium Thiosulfate		AC-Ammonium Chloride									
Sample Collector Signature:			SO-Soil		LE-Landfill Leachate	AA-Ascorbic Acid		SH-Sodium Hydroxide									
Liza Rollins & Brian Ellis			SE-Sediment		RA-Atmospheric Deposition	M-Monochloroacetic Acid		ZA-Zinc Acetate									
Relinquished By (signature):			SL-Sludge		WWS-Wastewater Sludge	EDA-Ethylene Diamine		SS-Sodium Sulfite									
Liza Rollins			SA-Saline		O-Other	MS-Manganous Sulfate Solution		AIA-Alkaline-Iodide-Azide Reagent									
Date & Time (24hr): 5/4/2017 11:00			Received By (signature):		Analyses Required and Preservatives (See Codes)												
Relinquished By (signature):			Received By (signature):		Login Record File 170400218												
Liza Rollins			Received By (signature):														
Relinquished By (signature):			Received By (signature):														
Liza Rollins			Received By (signature):														
Relinquished By (signature):			Received By (signature):														
Date & Time (24hr): 5/4/17 1400			Received By (signature):														
Date & Time (24hr):			Received By (signature):														
Sample(s) on wet ice? ☒ Y ☐ No			Temp (°C): 0.3														
Collection Date & Time (24hr)			Sample Location & Description		Sample Matrix	# of Sample Containers Submitted										Lab ID#	
5/4/2017 8:45			26-GR40 Kickapoo Creek @ Civic Center		SWF					X							AD45205
5/4/2017 8:51			26-GR20 Kickapoo Creek @ SR 78		SWF	X	X	X		X	4	1	2	1	1	1	AD45206
5/4/2017 9:02			25-GR20 Palm Creek @ SR 78		SWF	X	X	X		X	2	1	1	1	1	1	AD45207
5/4/2017 9:12			24-7GR Stroud Cr/78, Up side		SWF	X	X	X		X	2	1	1	1	1	1	AD45208
5/4/2017 9:26			23-5GR Frontage Rd/Popash Cr, Up side		SWF	X	X	X		X	2	1	1	1	1	1	AD45209
5/4/2017 9:32			22-7GR Bayshore Creek @ Bayshore Road		SWF					X							AD45210
5/4/2017 9:36			21-7GR Chapel Branch at 78, Up side		SWF					X							AD45211
5/4/2017 9:39			20A-11GR Daughtery-E Branch 78 - Up sid		SWF					X							AD45212
5/4/2017 9:48			20-9GR DC at SR78, Up looking North		SWF	X	X	X		X	2	1	1	1	1	1	AD45213
5/4/2017 10:02			18-6GR MPl at 78 Up, southeasterly		SWF	X	X	X		X	2	1	1	1	1	1	AD45214
5/4/2017 10:10			POWLGR81 Weir at end of N Evalena Ln.		SWF					X							AD45215
5/4/2017 10:14			POWLGR51 NE corner of N. Evalena Ln & Bayshore Rd		SWF					X							AD45216
5/4/2017 10:19			POWLGR20 Just west of N. Evalena Ln.		SWF	X	X	X		X	2	1	1	1	1	1	AD45217
5/4/2017 10:25			WSEQB Watershed Equipment Blank		SWF					X	2	1	1	1	1	1	AD45218

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: R
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: SHAIK_A On: 05-MAY-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 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.

RQ- 2017-04-17-08

Log-in Checklist

Shipping Method: Red EXPDate/Time of Receipt: 5-5-17

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	Yes	No		
Red	1.9C	3					

*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: AB

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

Coolers Unpacked/Checked by: ABDate: 5-5-17NCRs (Y/N)?

Event ID: Lee County Tracers & Markers
SO-DIST-2017-05-05-02 (SMP)
 Date Received: 05-MAY-2017 10:15

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:

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: 9:32

Lab ID# AD45210

Sample Collectors: Liza Rollins & Brian Ellis

Date: 5/4/2017

*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									
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	AD45210
@NP	1	1L	PE	N/A	AD45210
@NPFIL	1	250mL	PE	N/A	AD45210
@H2SO4	1	250mL	PE	No	AD45210
@HNO3	1	250mL	PE	No*	AD45210
@BACT	2	100mL	PP	Yes**	AD45210

Flow Calculation (if Applicable):

Flow (ft³/s):

Flow MDL:

Flow Qualifier:

Collection Method: G

Sample Type: SAMP

Sample Matrix: SWF

Preservative	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

Equipment Used

YSI Data Logger and/or Sonde ID# G

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

Opaque Horizontal Van Dorn # (if applicable):

Velocity Meter ID# 2B

Distance Measuring Tool ID# 4994

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.

Misc: dry site

Signature of Sample Collector(s) and Date:

Liza Rollins 5/4/17

Brian Ellis 5/4/17

No sample.
APB
05/5/17

FedEx Package
Express US Airbill

FedEx
Tracking
Number

8113 0562 4036

Form
ID No.

01

ORIGIN ID: FMYA (850) 245-8085
FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD
TALLAHASSEE, FL 323996542
UNITED STATES US

SHIP DATE: 04MAY17
ACTWTG: 45.00 LB MAN
CAD: /POS1801
DIMS: 27x17x7 IN
BILL SENDER

4 Express Pa

Next Business

☐ FedEx First Over
Earliest next business
locations. Friday ship
Monday unless Sat

☒ FedEx Priority 0
Next business morning
delivered on Monday.
is selected.

☐ FedEx Standard
Next business afternoon
Saturday Delivery NOT

5 Packaging

☐ FedEx Envelope*

6 Special Hand.

☐ Saturday Delivery
NOT available for FedEx.

☐ No Signature Req.
Package may be left with
obtaining a signature for d

Does this shipment

One box

☐ No ☐ Yes
As per us
Shipper's

Restrictions apply for dangerous go

7 Payment Bill to:

☐ Sender
Acct No. in Section
I will be billed. ☒

Total Packages Total

*Our liability is limited to US\$100 unless

Rev. Date 5/15 • Part #163134 • ©1994

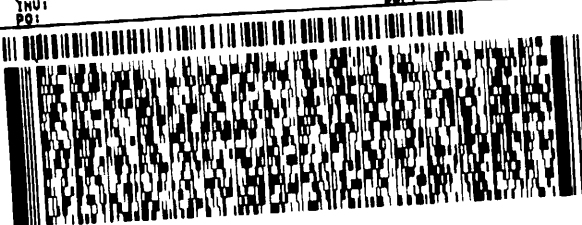
TO
FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399

(850) 245-8085

REF:

DEPT:



FedEx
Express



FRI - 05 MAY 10:3
PRIORITY OVERNIG

TRK# 8113 0562 4036
0215

XH TLHA

323
FL-US T



From
Date 5/11/17

Sender's
Name
Phone 239 533-8600

Company Lee County Env LAB

Address 60 Donley Dr #2

City Fort Myers State FL ZIP 33907

Your Internal Billing Reference

To
Recipient's
Name SAMPLE RECEIVING
Phone 950 245-8085

Company FLORIDA DEP/CHEMISTRY SECTION

Address 2600 BLAIRSTONE RD
We cannot deliver to P.O. boxes or P.O. ZIP codes.

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

City TALLAHASSEE State FL ZIP 32399



8113 0562 4036