

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: 11:52

Lab ID# AD52597

Sample Collectors: Brian Ellis & Patrick Daughy

Date: 9/18/2017

*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	AD52597
@NP	1	1L	PE	N/A	AD52597
@NPFIL	1	250mL	PE	N/A	AD52597
@H2SO4	1	250mL	PE	No	AD52597
@HNO3	1	250mL	PE	No*	AD52597
@BACT	2	100mL	PP	Yes**	AD52597

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	28.31	170	42.80	3.33	6.77	1.872	7.89	0.50	1.20
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# H

Calibrated: 9/18/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable):

Velocity Meter ID# 3A

Distance Measuring Tool ID# 5349

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

Filter Lot # R6PA37157 Exp Date: 3/8/2020

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

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:

9/18/2017

Preservatives	Lot #	Exp. Date
H ₂ SO ₄	3114100	11/13/2017
HNO ₃ *	1116110	12/16/2018
Na ₂ S ₂ O ₃	170129	6/30/2030

9-19-17 10:05

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: 10:28

Lab ID# AD52590

Sample Collectors: Brian Ellis & Patrick Daughy

Date: 9/18/2017

*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	28.74	144	8.30	0.64	6.75	2.027	2.25	0.50	1.80
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# H

Calibrated: 9/18/2017 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable):

Velocity Meter ID# 3A

Distance Measuring Tool ID# 5349

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

Filter Lot # R6PA37157 Exp Date: 3/8/2020

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:

9/18/2017

☒ 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 *	1116110	12/16/2018
Na ₂ S ₂ O ₃	170129	6/30/2030

Misc: _____

9-19-17 10:05

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			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						
				CONC-Concentrate			SWM-Surface Water Marine			ST-Sodium Thiosulfate			AC-Ammonium Chloride						
				SO-Soil			LE-Landfill Leachate			AA-Ascorbic Acid			SH-Sodium Hydroxide						
				SE-Sediment			RA-Atmospheric Deposition			M-Monochloroacetic Acid			ZA-Zinc Acetate						
				SL-Sludge			WWS-Wastewater Sludge			EDA-Ethylene Diamine			SS-Sodium Sulfite						
				SA-Saline			O-Other			MS-Manganous Sulfate Solution									
										AIA-Alkaline-Iodide-Azide Reagent									
Sample Collector(s) (please print) Patrick Daughty / Brian Ellis				Sample Collector Signature 				Analyses Required and Preservatives (See Codes)											
Relinquished By (signature) 				Received By (signature) 															
Date & Time (24hr) 9/18/2017 12:40				Received By (signature) 				Login Record File 170900016											
Date & Time (24hr) 9/18/17 14:30				Received By (signature) 															
Date & Time (24hr)				Received By (signature)															
Sample(s) on wet ice? ☒ Yes ☐ No				Temp (°C): 1.3															
Collection Date & Time (24hr)		Sample Location & Description		Sample Matrix		# of Sample Containers Submitted												Lab ID#	
9/18/2017 9:26		26-GR40 Kickapoo Creek @ Civic Center		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52585	
9/18/2017 9:37		26-GR20 Kickapoo Creek @ SR 78		SWF		X X X X 4 1 2 1 1 1 1 1 1 1 1 1												AD52586	
9/18/2017 9:53		25-GR20 Palm Creek @ SR 78		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52587	
9/18/2017 10:06		24-7GR Stroud Cr/78, Up side		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52588	
9/18/2017 10:15		23-5GR Frontage Rd/Popash Cr, Up side		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52589	
9/18/2017 10:28		22-7GR Bayshore Creek @ Bayshore Road		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52590	
9/18/2017 10:40		21-7GR Chapel Branch at 78, Up side		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52591	
9/18/2017 10:48		20A-11GR Daughtery-E Branch 78 - Up sid		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52592	
9/18/2017 10:59		20-9GR DC at SR78, Up looking North		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52593	
9/18/2017 11:08		18-6GR MPT at 78 Up, southeasterly		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52594	
9/18/2017 11:27		POWLGR81 Weir at end of N Evalena Ln.		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52595	
9/18/2017 11:43		POWLGR51 NE corner of N. Evalena Ln & Bayshore Rd		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52596	
9/18/2017 11:52		POWLGR20 Just west of N. Evalena Ln.		SWF		X X X X 2 1 1 1 1 1 1 1 1 1 1 1												AD52597	
9/18/2017 11:43		WSEQB Watershed Equipment Blank		SWF		X 2 1 1 1 1 1 1 1 1 1 1 1												AD52598	

* DEP Bottles

Date of Request: 14-FEB-2017
Created By: ANDERSON_C On: 14-FEB-2017
Modified By: SWANSON_C On: 02-AUG-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: 01-AUG-2017
Biology Request Reviewed By: SWANSON_C On: 02-AUG-2017
Sampling Kit Required: YES Ship on: 07-AUG-2017
Sampling Kit Shipped: YES On: 07-AUG-2017
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 21-AUG-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 in 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- _____

Shipping Method: Fedex

Date/Time of Receipt: 9-19-17/10:05

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	1.3	6		✓			811939045640

*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: SR

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

Coolers Unpacked/Checked by: SR Date: 9-19-17

NCRs (Y/N)? N

Event ID: SO-NIS-2017-09-19-01

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: