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: 10:19
Lab ID# AD47789

Sample Collectors: Bret O'Brien
Date: 7/10/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD47789
@NP	1	1L	PE	N/A	AD47789
@NPFIL	1	250mL	PE	N/A	AD47789
@H2SO4	1	250mL	PE	No	AD47789
@HNO3	1	250mL	PE	No*	AD47789
@BACT	2	100mL	PP	Yes**	AD47789

*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	27.94	186	29.30	2.30	6.80	2.096	3.55	0.50	1.40
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

~~Flow Calculation (if Applicable):~~ ~~Flow (ft^3/s):~~ ~~Flow MDL:~~ ~~Flow Qualifier:~~

Collection Method: G Sample Type: SAMP Sample Matrix: SWF

Preservatives	Lot #	Exp. Date
H_2SO_4	3114100	11/13/2017
HNO_3*	1115041	4/29/2017
$Na_2S_2O_3$	160921	10/24/2038

Equipment Used

YSI Data Logger and/or Sonde ID# h

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

Opaque Horizontal Van Dorn # (if applicable): _____

Velocity Meter ID# 1a

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.

Misc: _____

Signature of Sample Collector(s) and Date: BOB 7/10/17

7-11-17 10:05

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: 12:31
Lab ID# AD47796

Sample Collectors: Bret O'Brien
Date: 7/10/2017

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD47796
@NP	1	1L	PE	N/A	AD47796
@NPFIL	1	250mL	PE	N/A	AD47796
@H2SO4	1	250mL	PE	No	AD47796
@HNO3	1	250mL	PE	No*	AD47796
@BACT	2	100mL	PP	Yes**	AD47796

*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	28.70	413	67.10	5.18	7.11	2.203	9.15	0.50	1.00
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

~~Flow Calculation (if Applicable):~~ ~~Flow (ft^3/s):~~ ~~Flow MDL:~~ ~~Flow Qualifier:~~

Collection Method: G Sample Type: SAMP Sample Matrix: SWF

Preservatives	Lot #	Exp. Date
H_2SO_4	3114100	11/13/2017
HNO_3*	1115041	4/29/2017
$Na_2S_2O_3$	160921	10/24/2038

Equipment Used

YSI Data Logger and/or Sonde ID# h

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

Opaque Horizontal Van Dorn # (if applicable): _____

Velocity Meter ID# 1a

Distance Measuring Tool ID# 5346

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

Filter Lot # R6BA63342 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: BOB 7/10/17

07-11-17 10:05

LCEL

Lab Certification: E45049
LCEL_FF_COC Field_20160822R0

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

Analysis Request & Chain of Custody Record

LCEL does not accept any samples used for evidentiary purposes

Report/Result Information	Billing/Invoice Information
Name: DNRM	Name: DNRM
Address: 1500 Monroe St. Ft. Myers, FL 33901	Address: 1500 Monroe St. Ft. Myers, FL 33901
Phone/Fax/Cell: 239-533-8109	Phone/Fax/Cell: 239-533-8109

Matrix Codes:
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

Preservative Codes:
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; S-Sulfuric Acid; FF-Field Filtered(NP); H-Hydrochloric Acid; AC-Ammonium Chloride; SH-Sodium Hydroxide; ZA-Zinc Acetate; SS-Sodium Sulfite

Sample Collector(s) (please print)	Sample Collector Signature:
Bret O'Brien	BtO'B

Relinquished By: (signature)	Date & Time (24hr):	Received By: (signature)
BtO'B	7/10/2017 13:00	BtO'B
BtO'B *	7/10/17 14:30	

Sample(s) on wet ice? ☑ Yes ☐ No Temp (°C): 0.6

Analyses Required and Preservatives (See Codes)

Login Record File 170700008

Collection Date & Time (24hr)	Sample Location & Description		Sample Matrix	%DO, CondF, DOField, pHF, TempF	DFTDs	Velocity	Flow	Sample	MUG2QT, Entero	Chlorophyll, Chlorea Prep	BOD, BODi, Cl-P, Color, NO2, NO3, TSS, Turb	O-PO4, Silica	TKN, TN, T-PO4, NH3, NOX, ONIT	#WSMetals, THardC, Digest W				Lab ID#
				FD	FD	FD	FD	FD	ST	NP	NP	FF	S	N				
7/10/2017 8:52	26-GR40	Kickapoo Creek @ Civic Center	SWF	X	X	X		X	2	1	1	1	1	1				AD47784
7/10/2017 9:14	26-GR20	Kickapoo Creek @ SR 78	SWF	X	X	X		X	4	1	2	1	1	1				AD47785
7/10/2017 9:23	25-GR20	Palm Creek @ SR 78	SWF	X	X	X		X	2	1	1	1	1	1				AD47786
7/10/2017 9:38	24-7GR	Stroud Cr/78, Up side	SWF	X	X	X		X	2	1	1	1	1	1				AD47787
7/10/2017 9:56	23-5GR	Frontage Rd/Popash Cr, Up side	SWF	X	X	X		X	2	1	1	1	1	1				AD47788
7/10/2017 10:19	22-7GR	Bayshore Creek @ Bayshore Road	SWF	X	X	X		X	2	1	1	1	1	1				AD47789
7/10/2017 10:35	21-7GR	Chapel Branch at 78, Up side	SWF	X	X	X		X	2	1	1	1	1	1				AD47790
7/10/2017 10:50	20A-11GR	Daughtery-E Branch 78 - Up sid	SWF	X	X	X		X	2	1	1	1	1	1				AD47791
7/10/2017 11:08	20-9GR	DC at SR78, Up looking North	SWF	X	X	X		X	2	1	1	1	1	1				AD47792
7/10/2017 11:30	18-6GR	MPt at 78 Up, southeasterly	SWF	X	X	X		X	2	1	1	1	1	1				AD47793
7/10/2017 11:52	POWLGR81	Weir at end of N Evalena Ln.	SWF	X	X	X		X	2	1	1	1	1	1				AD47794
7/10/2017 12:02	POWLGR51	NE corner of N. Evalena Ln & Bayshore Rd	SWF	X	X	X		X	2	1	1	1	1	1				AD47795
7/10/2017 12:31	POWLGR20	Just west of N. Evalena Ln.	SWF	X	X	X		X	2	1	1	1	1	1				AD47796
7/10/2017 12:15	WSEQB	Watershed Equipment Blank	SWF					X	2	1	1	1	1	1				AD47797

* AD47789 - 47796 DEP Bottles

Two Sites received. BRB 7-11-17

RQ-2017-07-03-08

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

Send Final Report To:

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

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: 11-JUL-2017

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: 07-11-17 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	
Red	2.7C	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: ARB

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes____ No____ NA ✓ Init: ____

Coolers Unpacked/Checked by: ARB Date: 7-11-17 NCRs (Y/N)? ✓

Event ID: Lee Co Tracers & Markers SO-DIST-2017-07-11-02 (SMP) Date Received: 11-JUL-2017 10:05 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_____

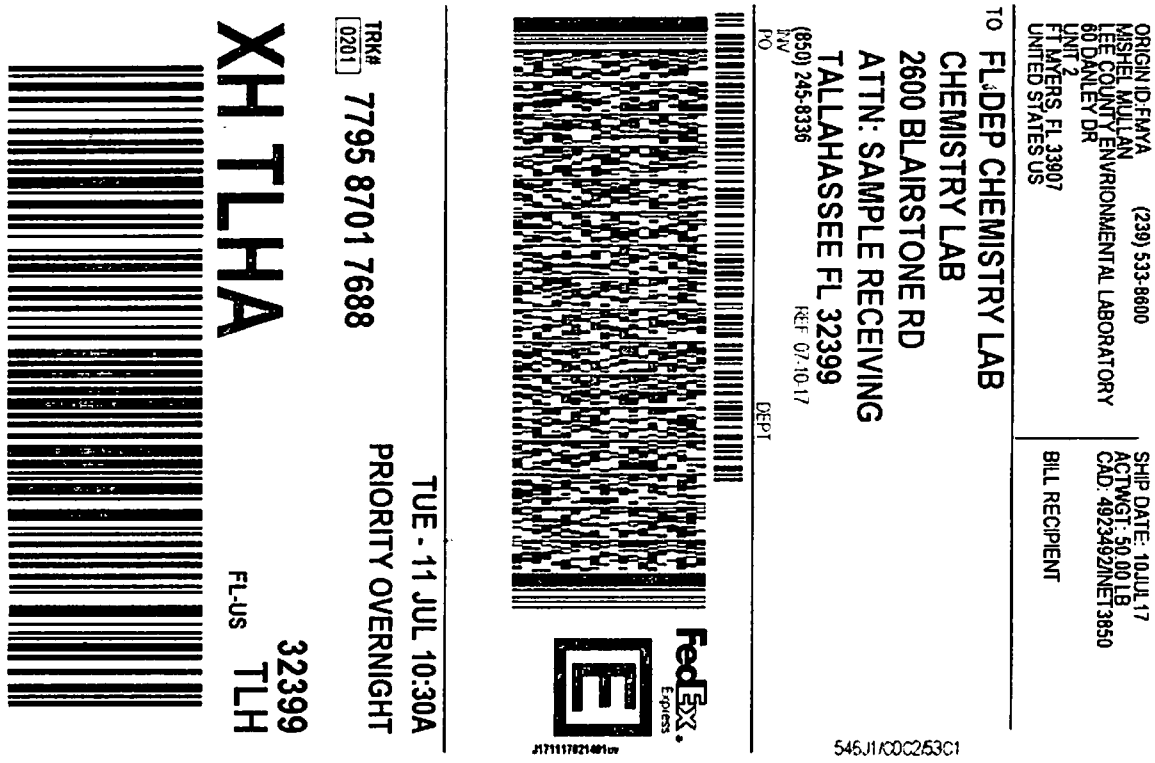
If no, were samples shipped on dry ice? Yes_____ No_____

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:



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
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.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.