Log-in Checklist

RQ- 2018-02-05-52

Shipping Method: FEDEX

Date/Time of Receipt: 02/09/18 @ 9:35a

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	
Blue	0.9°C	3		X			

*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 X 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		X	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 X Init: ~

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

Coolers Unpacked/Checked by: Tyler R Date: 02/09/18 NCRs (Y/N)? N

Event ID: 3240N Owl Creek SO-DIST-2018-02-09-01 (SMP) Date Received: 09-FEB-2018 09:35 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 X

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:

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

Sample Collector(s) (please print): Liza Rollins & Nic DeFilippo

Sample Collector Signature: Liza Rollins

Relinquished By: (signature) Liza Rollins	Date & Time (24hr): 2/8/2018 11:40	Received By: (signature) Liza Rollins	
Relinquished By: (signature)	Date & Time (24hr): * 1430 2/8/18	Received By: (signature)	
Relinquished By: (signature)	Date & Time (24hr):	Received By: (signature)	

Sample(s) on wet ice? ☑Yes ☐No Temp (°C): 1.9

Matrix Codes:

DW-Drinking Water	SW-Surface Water
GW-Ground Water	SWF-Surface Water Fresh
WW-Wastewater	SWE-Surface Water Estuarine
CONC-Concentrate	SWM-Surface Water Marine
SO-Soil	LE-Landfill Leachate
SE-Sediment	RA-Atmospheric Deposition
SL-Sludge	WWS-Wastewater Sludge
SA-Saline	O-Other

Preservative Codes:

NP-No Preservative	S-Sulfuric Acid
N-Nitric Acid	FF-Field Filtered(NP)
FD-Field Parameter	H-Hydrochloric Acid
ST-Sodium Thiosulfate	AC-Ammonium Chloride
AA-Ascorbic Acid	SH-Sodium Hydroxide
M-Monochloroacetic Acid	ZA-Zinc Acetate
EDA-Ethylene Diamine	SS-Sodium Sulfite

MS-Manganous Sulfate Solution
AIA-Alkaline-Iodide-Azide Reagent

Analyses Required and Preservatives (See Codes)

Login Record File 180100210

Collection Date & Time (24hr)		Sample Location & Description	Sample Matrix	%DO, CondF, DOField, pHF, TempF	DFTOSTWS	Velocity	Flow	Sample	MUG2QT, Entero	Chlorophyll, Chloroa Prep	BOD, BODt, Cl-P, Color, NO2, NO3, TSS, Turb	O-PO4, Silica	TKN, TN, T-PO4, NH3, NOX, ONIT	#WSMetals, THardC, Digest W				Lab ID#
				# of Sample Containers Submitted														
				FD	FD	FD	FD	FD	ST	NP	NP	FF	S	N				
2/8/2018 8:44	26-GR40	Kickapoo Creek @ Civic Center	SWF	X	X	X		X	2	1	1	1	1	1				AD65917
2/8/2018 8:53	26-GR20	Kickapoo Creek @ SR 78	SWF	X	X	X		X	4	1	2	1	1	1				AD65918
2/8/2018 9:02	25-GR20	Palm Creek @ SR 78	SWF	X	X	X		X	2	1	1	1	1	1				AD65919
* 2/8/2018 9:13	24-7GR	Stroud Cr/78, Up side	SWF	X	X	X		X	2	1	1	1	1	1				AD65920
2/8/2018 9:29	23-5GR	Frontage Rd/Popash Cr, Up side	SWF	X	X	X		X	2	1	1	1	1	1				AD65921
2/8/2018 9:40	22-7GR	Bayshore Creek @ Bayshore Road	SWF	X	X	X		X	2	1	1	1	1	1				AD65922
2/8/2018 9:48	21-7GR	Chapel Branch at 78, Up side	SWF	X	X	X		X	2	1	1	1	1	1				AD65923
2/8/2018 9:56	20A-11GR	Daughtery-E Branch 78 - Up sid	SWF	X	X	X		X	2	1	1	1	1	1				AD65924
2/8/2018 10:58	20-9GR	DC at SR78, Up looking North	SWF	X	X	X		X	2	1	1	1	1	1				AD65925
2/8/2018 10:06	18-6GR	MPt at 78 Up, southeasterly	SWF	X	X	X		X	2	1	1	1	1	1				AD65926
2/8/2018 10:18	POWLGR81	Weir at end of N Evalena Ln.	SWF	X	X	X		X	2	1	1	1	1	1				AD65927
2/8/2018 10:24	POWLGR51	NE corner of N. Evalena Ln & Bayshore Rd	SWF					X										AD65928
2/8/2018 10:32	POWLGR20	Just west of N. Evalena Ln.	SWF	X	X	X		X	2	1	1	1	1	1				AD65929
2/8/2018 9:31	WSEQB	Watershed Equipment Blank	SWF					X	2	1	1	1	1	1				AD65930

* DEP Bottles only

Project Title: Powl/Bayshore
Location Code: 24-7GR
Location Coordinates: N26.715065, W-81.799786
Location Description: Stroud Creek @ SR78 Up Side
Sample Collection Time: 9:13
Lab ID# AD65920
Sample Collectors: Liza Rollins & Nic DeFilippo
Date: 2/8/2018

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD65920
@NP	1	1L	PE	N/A	AD65920
@NPFIL	1	250mL	PE	N/A	AD65920
@H2SO4	1	250mL	PE	No	AD65920
@HNO3	1	250mL	PE	No*	AD65920
@BACT	2	100mL	PP	Yes**	AD65920

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

4	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	21.32	1280	46.30	4.09	7.33	0.100	14.28	0.40	0.40
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

~~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*	1116110	12/16/2018
$Na_2S_2O_3$	170129	6/30/2030

Equipment Used

YSI Data Logger and/or Sonde ID# J

Calibrated: 2/5/2018 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn # (if applicable): _____

Velocity Meter ID# 2B

Distance Measuring Tool ID# 5346

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

- [x] DFTOSTWS taken from middle of bridge
- [x] Samples submerged in ice within 15min.
- [x] Samples preserved with Sulfuric Acid acidified in field within 15min.
- [x] Filtered sample filtered on site
- [x] Equipment & Bottles cleaned according to DEP FC1000 and LCEL Field Sampling Quality Manual
- [x] 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 2/8/18

Request Number: RQ-2018-02-05-52

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

~~3240N Owl~~ Creek
Strout

Customer: SO-DIST

Project ID: SMP

Requester: Maryann Dugan

Field Report Prepared By: _____

Collected By: _____

Sampling Agency: _____

Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date / Time / Eastern Central		Composite end Date / Time			Bottle Group(s) (See pg 2)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date / Time / Eastern Central		Composite end Date / Time			Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date / Time / Eastern Central		Composite end Date / Time			Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date / Time / Eastern Central		Composite end Date / Time			Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen ☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		
WIN/STORET #		Temp (C)	pH	Sample Depth ☐ ft ☐ m		Sp. Conductance (umho/cm)		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time

Group:	Bottle Type:		# of Bottles:	Preservative:		Enter Number of Bottles Sent to Lab
A	PCR-FILTER	QPCR-P-250ML	2		ICE	

Group:	Bottle Type:		# of Bottles:	Preservative:		Enter Number of Bottles Sent to Lab
A	W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	1		ICE	

AMZAD SHAIK
FL DEP
FL DEP CHEMISTRY SECTION
2600 BLAIR STONE RD
TALLAHASSEE FL 32399
FedEx Express
7907 7124 2089
RETURNS MON-FRI
PRIORITY OVERNIGHT
32399
FL-US

RQ-2018-02-05-52

Date of Request: 17-JAN-2018
Created By: DUGAN_M On: 17-JAN-2018
Modified By: SWANSON_C On: 25-JAN-2018
Customer: SO-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: South District
Sampling Event: 3240N Owl Creek

Send Coolers To:

Phone: 239-533-8600 ext 48605
Lee County Environmental Lab
60 S. Danley Drive Unit 2
Fort Myers, FL 33907
Attn: Bret O'Brien

Send Final Report To:

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

Program Module Number:
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 22-JAN-2018
Biology Request Reviewed By: SWANSON_C On: 25-JAN-2018
Sampling Kit Required: YES Ship on: 26-JAN-2018
Sampling Kit Shipped: YES On: 26-JAN-2018
Sampling Kit Packed By: GREENWOO_J
Preservatives Needed: NO
Date to Receive Samples: 05-FEB-2018
Received By:

Report Type: Final Only
FTP Data: NO
QC Report: YES
Date Log: NO
Authorization Log: NO

Comments: Group A: Tracers, Markers

Lee County collecting bacteria

Bottle Group A (Water) With 1 Samples:

Bottle Type: QPCR-P-250ML Number of Bottles: 2 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: 1 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.