Log-in Checklist

RQ-2018-09-03-67 Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 09/26/18 @ 9:30am

Cooler Temperature*	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
				Present?		*Intact?		
	HNO_3	Formalin		Yes	No	Yes	No	
0.8°C			2		X			4385 5032 8493

* HNO3 and Formalin persevered samples do **NOT** have a temperature requirement. For all others, 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_____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes_____ No X Date_____

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 REQUIRED? (Blue dot on container) Yes ✓ No ⊘ m Init: m

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-E8321-DI, -MS, -21		X	W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes____ No____ NA X Init: m

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

Coolers Unpacked/Checked by: Tyler R. **Date:** 09/26/18 **NCRs (Y/N)?** N

Event ID: 3240N : Owl Creek SO-DIST-2018-09-26-01 (SMP) **NCR #** _____

 Date Received: 26-SEP-2018 09

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

Infrared Thermometer ID:	REC_05_2018
pH Paper 0.0 – 3.0 Lot #	230515EXP:10/30/2018
pH Paper 0 – 13 Lot #	222516EXP:09/15/2019
Chlorine Test Strips Lot #	091417V EXP:09/2021

Additional Comments:

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_____ If No_____

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: _____

Project Title: Alva
Location Code: 27O-GR20
Location Coordinates: N26.740289, W-81.755697
Location Description: Owl Creek @ SR78; upstream side
Sample Collection Time: 11:36
Lab ID# AD87407
Sample Collectors: Nic DeFilippo & Patrick Daughty
Date: 9/25/2018

Bottles	Number	Size	Material	Pre-Preserved	Lab ID#
@CHLORO	1	1L	PE	N/A	AD87407
@NP	1	1L	PE	N/A	AD87407
@NPFIL	1	250mL	PE	N/A	AD87407
@H2SO4	1	250mL	PE	No	AD87407
@HNO3	1	250mL	PE	No*	AD87407
@BACT	2	100mL	PP	Yes**	AD87407

*Nitric Acid added upon return to Lab

**Pre-Preserved with Sodium Thiosulfate by Thermo Scientific

11	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	28.12	182	68.30	5.33	7.18	0.231	7.49	0.50	0.70
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:~~

Preservatives:	Lot #	Exp. Date
H_2SO_4	3114100	11/13/2017
HNO_3*	1116110	12/16/2018
$Na_2S_2O_3$	171116	12/31/2050

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

Equipment Used

YSI Data Logger/Sonde # H

Calibrated: 9/25/2018 (see Field Equipment Calibration Log)

Opaque Horizontal Van Dorn #_____ (if applicable)

Velocity Meter ID# 3B

Distance Measuring Tool ID# 4994

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

Filter Lot # R7BA53224 Exp Date: 9/19/2023

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: 9/25/2018

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	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	

Sample Collector(s) (please print): Nic DeFilippo & Patrick Daughty

Sample Collector Signature:

Relinquished By: (signature)	Date & Time (24hr): 9/25/2018 12:10	Received By: (signature)	
Relinquished By: (signature) BFOB	Date & Time (24hr): 9/25/18 * 1430	Received By: (signature)	
Relinquished By: (signature)	Date & Time (24hr):	Received By: (signature)	

Sample(s) on wet ice? ☑Yes ☐No Temp (°C): 3.7

Analyses Required and Preservatives (See Codes)

Collection Date & Time (24hr)	Sample Location & Description		Sample Matrix	%DO, CondF, DOField, pHF, TempF	DFTOSTWS	Velocity	Flow	Sample	MUG2QT, Entero	Chloropiyll, Chloroa Prep	BOD, BODi, Cl-P, Color, NO2, NO3, TSS, Turb	O-PO4, Silica	TKN, TN, T-PO4, NH3, NOX, ONIT, TOC	#WSMetals, THardC, Digest W				Lab ID#
				FD	FD	FD	FD	FD	ST	NP	NP	FF	S	N				
9/25/2018 8:55	39-GR20	Olga @ SR 80	SWF	X	X	X		X	4	1	2	1	2	1				AD87397
9/25/2018 9:09	38-3GR	Hickey Cr/SR80, Up	SWF	X	X	X		X	2	1	1	1	2	1				AD87398
9/25/2018 9:28	37-15GR	Bedman Creek Trib @ Tuckahoe Rd; Upstre	SWF	X	X	X		X	2	1	1	1	2	1				AD87399
9/25/2018 9:39	37-4GR	Bedman Cr/SR 80, Up	SWF	X	X	X		X	2	1	1	1	2	1				AD87400
9/25/2018 10:05	SPANISHGR	Spanish Creek	SWF	X	X	X		X	2	1	1	1	2	1				AD87401
9/25/2018 10:21	CYPRESSGR	Cypress Creek @ 78	SWF	X	X	X		X	2	1	1	1	2	1				AD87402
9/25/2018 10:39	FICHTERSGR	Fichters Creek @ SR 78	SWF	X	X	X		X	2	1	1	1	2	1				AD87403
9/25/2018 10:57	29-8GR	Bridge at Telegraph Cr E, Up	SWF	X	X	X		X	2	1	1	1	2	1				AD87404
9/25/2018 11:06	28-5GR	Single Culv Under Duke Hwy/Ott	SWF	X	X	X		X	2	1	1	1	2	1				AD87405
9/25/2018 11:19	27-6GR	N River Rd/Trout Cr, Up side	SWF	X	X	X		X	2	1	1	1	2	1				AD87406
* 9/25/2018 11:36	27O-GR20	Owl Creek @ SR 78	SWF	X	X	X		X	2	1	1	1	2	1				AD87407
9/25/2018 10:26	WSEQB	Watershed Equipment Blank	SWF					X	2	1	1	1	2	1				AD87408

Login Record File 180900114

* = DEP Bottles

Cooler Packing Worksheet for Request: RQ-2018-09-03-67
3240N : Owl Creek
Ship Cooler On: 8/24/2018
Customer/Project: SO-DIST/SMP

Assigned To: GREENWOO_J
Requester: Maryann Dugan
Priority: 3

239-533-8600 ext 48605
Lee County Environmental Lab
60 S. Danley Drive Unit 2
Fort Myers, FL 33907

Attn: Bret O'Brien

Comments:
No preservatives needed.

Group A: Tracers, Markers

Requested Analyses:

Bottle Group: A **# of Sites: 1**

Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0007C587
Description: 500ml Sterile Nalgene Affix PCR Instruction Label to container

Analysis	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0071185
Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

RQ-2018-09-03-67

Date of Request:	20-AUG-2018
Created By:	DUGAN_M On: 20-AUG-2018
Modified By:	WATTS_J On: 21-AUG-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:	R
Criminal Investigation:	NO
Chemistry Request Reviewed By:	WATTS_J On: 21-AUG-2018
Biology Request Reviewed By:	SWANSON_C On: 21-AUG-2018
Sampling Kit Required:	YES Ship on: 24-AUG-2018
Sampling Kit Shipped:	YES On: 23-AUG-2018
Sampling Kit Packed By:	GREENWOO_J
Preservatives Needed:	NO
Date to Receive Samples:	03-SEP-2018
Received By:	REYNOLDS_T On: 26-SEP-2018

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

Comments: Group A: Tracers, Markers

Bottle Group A (Water) With 1 Samples:

Bottle Type: QPCR-P-500ML Number of Bottles: 1 Preserved With: ICE
PCR-FILTER Template: DEFAULT (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: ICE
W-E8321-DI Template: (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS Template: DEFAULT (EPA 8321B) Pesticides, 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.