RQ 2020-02-10-56

# Login Checklist

Login Station ID: #2

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 2/11/2020 @ 10:20

| Cooler Temperature* | Samples Frozen | * All Samples in Cooler Preserved with | | Number of Sample Containers in Cooler | Evidence Tape | | | | Tracking # Damaged waybills only |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Present? | | *Intact? | | |
| | YES | $HNO_3$ | Formalin | | Yes | No | Yes | No | |
| 1.9 | | | | 9 | | ✓ | | | 127840084670 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

*All samples received on ice unless otherwise noted. If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), received without ice, or if Evidence Seal is damaged; identify the containers in the affected cooler(s) on back of this form. HNO3 and Formalin preserved samples do **NOT** have a temperature requirement. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation; An NCR still is required.**

**Chain of Custody/ Field Sheet(s) Included? Yes ✓ No_____

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

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an **NCR**.

**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 REQUIRED? (Blue dot on container)** Yes ✓ No_____ Init: IM

**Chlorine detected? (One container checked per Field ID)** Yes_____ No ✓ Init: IM

**If "YES", list affected Field IDs and Test IDs below.**

| Field ID | List TestID(s) where Chlorine was Detected, an NCR is required. |
|---|---|
| | |
| | |
| | |
| | |

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

**Acid Preserved Samples: pH≤ 2.0? Yes ✓ No____ NA____ Init: IM

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

**Coolers Unpacked/Checked by:** IM **Date:** 2/11/2020 **NCRs (Y/N)?** N

**Event ID:** 2020 SMP : Alva to LaBelle SO-DIST-2020-02-11-01 (SMP) Date Received: 11-FEB-2020 10:20 **NCR #**_____

# Login Checklist

**Samples with Incorrect pH Preservation**

| Field ID | Bottle Test ID(s) | pH | 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_02_2018 EXP: 4/29/20 |
| **pH Test Strips 0 – 6 Lot #** | |
| **pH Paper 0 – 3 Lot #** | |
| **pH Paper 0 – 13 Lot #** | 215517 EXP: 6/1/20 |
| **Chlorine Test Strips Lot #** | 7226 EXP:7/2020 |

**Additional Comments:**

**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_____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: _____

**Request Number: RQ-2020-02-10-56**

2020 SMP : Alva to LaBelle

# Florida Department of Environmental Protection
## Central Laboratory Submittal Form

last revised Jan 25, 2018

**Customer: SO-DIST**

**Project ID: SMP**

Requester: Nicole Reistad

Collected By: Gary Snorek + Miranda Carroll

Field Report Prepared By: Miranda Carroll

Sampling Agency: FDEP SROC

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**Location** Field ID/WIN ID G3SD0084 | **Field ID** Location Cypress Creek @NRiverRd | **WIN/STORET**

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 2/10/20 Time 1110 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2) B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 6.24 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C): 19.9 | pH: 7.30 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 674

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt): 0.33 | Comments

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**Location** Field ID/WIN ID G3SD0085 | **Field ID** Location BeeBranch@LoblollyBayRd | **WIN/STORET**

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 2/10/20 Time 1150 Eastern Central | Composite end Date Time | Bottle Group(s) A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 18.1 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C): 18.1 | pH: 6.33 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 234.6

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt): 0.11 | Comments

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**Location** Field ID/WIN ID G3SD0098 | **Field ID** Location PollywogCreek@SR78 | **WIN/STORET**

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 2/10/20 Time 1230 Eastern Central | Composite end Date Time | Bottle Group(s) C

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen: 7.69 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C): 20.1 | pH: 6.32 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 184.5

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms | Salinity (ppt): 0.09 | Comments

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**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

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| Relinquished By: | Date/Time | Shipping Method | Number of Coolers Shipped: | Received By: | Date/Time |
|---|---|---|---|---|---|
| [signature] | 2/10/20 1330 | FedEx | 2 | IM | 2/11/20 10:20 |

Group: A Bottle Type: P-1L # of Bottles: 1 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A Bottle Type: BP-1L # of Bottles: 1 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

CHLSUITE-W

Group: A Bottle Type: QPCR-P-500ML # of Bottles: 1 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

PCR-BACR
PCR-DG3
PCR-HF183

Group: A Bottle Type: P-250ML-WI-THI # of Bottles: 1 Preservative: ICE **Enter Number of Bottles Sent to Lab** Ø - 1 @ Sanders

SD-SND-ECQ

Group: A Bottle Type: BG-500ML # of Bottles: 1 Preservative: ICE **Enter Number of Bottles Sent to Lab** 1

W-E8321-DI
W-E8321-MS

Group: A Bottle Type: P-500ML # of Bottles: 1 Preservative: ICE And H2SO4 **Enter Number of Bottles Sent to Lab** 1

Lot #

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: A Bottle Type: P-125ML # of Bottles: 1 Preservative: FILTER-ICE **Enter Number of Bottles Sent to Lab** 1

W-PO4-F

Group: B Bottle Type: QPCR-P-500ML # of Bottles: 2 Preservative: ICE **Enter Number of Bottles Sent to Lab** Emc 1

PCR-BACR
PCR-DG3
PCR-HF183

~~Group: B Bottle Type: P-250ML-WI-THI # of Bottles: 2 Preservative: ICE **Enter Number of Bottles Sent to Lab**~~

See next page

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Group: B | Bottle Type: SD-SND-ECQ | P-250ML-WI-THI | # of Bottles: 2 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | Ø - 1 @ Sanders |
| Group: B | Bottle Type: W-E8321-DI W-E8321-MS | BG-500ML | # of Bottles: 2 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 1 |
| Group: C | Bottle Type: SD-SND-ECQ | P-250ML-WI-THI | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 1 |
| Group: C | Bottle Type: W-E8321-DI W-E8321-MS | BG-500ML | # of Bottles: 1 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** | 1 |

# RQ-2020-02-10-56



Date of Request: 27-JAN-2020
Created By: REISTAD_N On: 27-JAN-2020
Modified By: JASROTIA_P On: 28-JAN-2020
Customer: SO-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: South District
Sampling Event: 2020 SMP : Alva to LaBelle

**Send Coolers To:**

Phone: 239-344-5718
FLDEP South District Office
2295 Victoria Ave. Suite 364
Fort Myers, FL 33901-3381
Attn: Nicole Reistad

**Send Final Report To:**

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

Program Module Number:
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 28-JAN-2020
Biology Request Reviewed By: JASROTIA_P On: 28-JAN-2020
Sampling Kit Required: YES Ship on: 31-JAN-2020
Sampling Kit Shipped: YES On: 31-JAN-2020
Sampling Kit Packed By: MCCOY_I
Preservatives Needed: NO
Date to Receive Samples: 10-FEB-2020
Received By:

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

Comments: Group A: (Bee Branch) Freshwater Nutrients, E.coli, Markers, Tracers x1
Group B: (Cypress,Owl) E.coli, Markers, Tracers x2
Group C: (Pollywog) E.coli, Tracers x1

## Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| ALKALINITY | Template: DEFAULT | (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO3/L |
| TURBIDITY | Template: DEFAULT | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices |
| W-CL-IC | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices |
| W-COLOR Color (true) | Template: DEFAULT | (SM 2120 B-2011) True Color measured at 450 nm (not valid for NPDES monitoring) |
| W-F | Template: DEFAULT | (SM 4500 F-C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring) |
| W-SO4-IC | Template: DEFAULT | (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices |
| W-TDS | Template: DEFAULT | (SM 2540 C-2011) Total Dissolved Solids in aqueous matrices |
| W-TSS | Template: DEFAULT | (SM 2540 D-2011) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample |

Bottle Type: BP-1L Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| CHLSUITE-W | Template: DEFAULT | (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry |

Bottle Type: QPCR-P-500ML Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| PCR-BACR | Template: DEFAULT | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3 | Template: DEFAULT | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction |
| PCR-HF183 | Template: DEFAULT | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |

Bottle Type: P-250ML-WI-THI Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| SD-SND-ECQ | Template: DEFAULT | (Colilert-18) E. coli by Colilert-18/QT by Sanders in Fort Myers |

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| W-E8321-DI | Template: DEFAULT | (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 |

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: ICE And H2SO4

## Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: ICE And H2SO4

| | | |
|---|---|---|
| W-NH3 | Template: DEFAULT | (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L |
| W-NO2NO3 | Template: DEFAULT | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L |
| W-S-A-TP | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L |
| W-TKN | Template: DEFAULT | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices |
| W-TOC | Template: DEFAULT | (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices |

Bottle Type: P-125ML Number of Bottles: 1 Preserved With: FILTER-ICE

| | | |
|---|---|---|
| W-PO4-F | Template: DEFAULT | (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L |

## Bottle Group B (Water) With 2 Samples:

Bottle Type: BG-500ML Number of Bottles: 2 Preserved With: ICE

| | | |
|---|---|---|
| W-E8321-DI | Template: DEFAULT | (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 |

Bottle Type: QPCR-P-500ML Number of Bottles: 2 Preserved With: ICE

| | | |
|---|---|---|
| PCR-BACR | Template: DEFAULT | (SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction |
| PCR-DG3 | Template: DEFAULT | (SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction |
| PCR-HF183 | Template: DEFAULT | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |

Bottle Type: P-250ML-WI-THI Number of Bottles: 2 Preserved With: ICE

| | | |
|---|---|---|
| SD-SND-ECQ | Template: DEFAULT | (Colilert-18) E. coli by Colilert-18/QT by Sanders in Fort Myers |

## Bottle Group C (Water) With 1 Samples:

Bottle Type: P-250ML-WI-THI Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| SD-SND-ECQ | Template: DEFAULT | (Colilert-18) E. coli by Colilert-18/QT by Sanders in Fort Myers |

Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: ICE

| | | |
|---|---|---|
| W-E8321-DI | Template: DEFAULT | (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.