**Request Number: RQ-2016-03-21-63**

SMP_Kissimmee_3/21

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

last revised Nov 10, 2015

**Customer: SE-DIST**

**Project ID: SMP**

Requester: Jordan Skaggs

Collected By: A. Hurley / R. Brewton

Field Report Prepared By: A. Hurley

Sampling Agency: 8050

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Location: Kissimmee River 55m down of S-65A | ☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/21/16 Time 1040 | Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A |
| Field ID: G4SE0081 S-65A | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.8 | ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) | |
| STORET #: G4SE0081 | Temp (C) 22.8 | pH 6.9 | Sample Depth 0.3 | ☐ ft ☒ m | Sp. Conductance (umho/cm) 147 | |
| Latitude 27.654808 ☒ dd ☐ dms | Longitude -81.132806 ☒ dd ☐ dms | Salinity (ppt) 0.1 | Comments | | | |
| Location: Kissimmee River 825m down S-65A | ☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/21/16 Time 1055 | Eastern / Central | Composite end Date Time | Bottle Group(s): A |
| Field ID: G4SE0082 | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.7 | ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) | |
| STORET #: G4SE0082 | Temp (C) 22.8 | pH 6.8 | Sample Depth 0.3 | ☐ ft ☒ m | Sp. Conductance (umho/cm) 147 | |
| Latitude 27.65235 ☒ dd ☐ dms | Longitude -81.133319 ☒ dd ☐ dms | Salinity (ppt) 0.1 | Comments | | | |
| Location: Kissimmee River 1100m down S-65A | ☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/21/16 Time 1110 | Eastern / Central | Composite end Date Time | Bottle Group(s): A |
| Field ID: G4SE0083 | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.6 | ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) | |
| STORET #: G4SE0083 | Temp (C) 22.8 | pH 6.9 | Sample Depth 0.3 | ☐ ft ☒ m | Sp. Conductance (umho/cm) 147 | |
| Latitude 27.649931 ☒ dd ☐ dms | Longitude -81.134078 ☒ dd ☐ dms | Salinity (ppt) 0.1 | Comments | | | |
| Location: Kissimmee River 1375m down S-65A | ☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/21/16 Time 1125 | Eastern / Central | Composite end Date Time | Bottle Group(s): A |
| Field ID: G4SE0084 | Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen 5.5 | ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L) | |
| STORET #: G4SE0084 | Temp (C) 22.9 | pH 6.9 | Sample Depth 0.3 | ☐ ft ☒ m | Sp. Conductance (umho/cm) 148 | |
| Latitude 27.647554 ☒ dd ☐ dms | Longitude -81.134748 ☐ dd ☐ dms | Salinity (ppt) 0.1 | Comments | | | |

| Relinquished By: | Date/Time | Shipping Method | Received By: | Date/Time | Relinquished By: | Date/Time | Received By: | Date/Time |
|---|---|---|---|---|---|---|---|---|
| A. Hurley | 3/21/16 1400 | Fed EX | [illegible] | 03-22-16 09:15 | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | P-1L | # of Bottles: 4 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** 4 |

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

| | | | | | | |
|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | P-1L | # of Bottles: 4 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** 4 |

BOD-UNIN

| | | | | | | |
|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | BP-1L | # of Bottles: 4 | Preservative: | ICE | **Enter Number of Bottles Sent to Lab** 4 |

CHLSUITE-W

| | | | | | | |
|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative: | HNO3 | **Enter Number of Bottles Sent to Lab** 4 |

W-ICP
W-ICPMS

| | | | | | | |
|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | P-500ML | # of Bottles: 4 | Preservative: | ICE And H2SO4 | **Enter Number of Bottles Sent to Lab** 4 |

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

| | | | | | | |
|---|---|---|---|---|---|---|
| Group: A | Bottle Type: | P-125ML | # of Bottles: 4 | Preservative: | ICE-FLTR | **Enter Number of Bottles Sent to Lab** 4 |

W-PO4-F

# RQ-2016-03-21-63



Date of Request: 15-MAR-2016
Created By: SKAGGS_J On: 15-MAR-2016
Modified By: SWANSON_C On: 16-MAR-2016
Customer: SE-DIST
Project: SMP
Division: Division of Environmental Assessment and Restoration
District: Southeast District
Sampling Event: SMP_Kissimmee_3/21

**Send Coolers To:**

Phone: (772) 579-3039
FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Jordan Skaggs

**Send Final Report To:**

FL Dept. of Environmental Protection
2199 South Rock Road
Fort Pierce, FL 34945
Attn: Jordan Skaggs

Program Module Number: 1306
Priority: 3
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 15-MAR-2016
Biology Request Reviewed By: SWANSON_C On: 16-MAR-2016
Sampling Kit Required: NO Ship on:
Sampling Kit Shipped:
Sampling Kit Packed By:
Preservatives Needed: NO
Date to Receive Samples: 22-MAR-2016
Received By: SHAIK_A On: 22-MAR-2016

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

Comments:

## Bottle Group A (Water) With 4 Samples:

Bottle Type: P-1L Number of Bottles: 4 Preserved With: ICE

| | | |
|---|---|---|
| ALKALINITY | Template: DEFAULT | (SM 2320 B-97) 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 | Template: DEFAULT | (SM 2120 B) True Color measured at 450 nm |
| Color (true) | | |
| W-F | Template: DEFAULT | (SM 4500 F-C-97) 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-97) Total Dissolved Solids in aqueous matrices |
| W-TSS | Template: DEFAULT | (SM 2540 D-97) Total Suspended Solids in aqueous matrices |

Bottle Type: P-1L Number of Bottles: 4 Preserved With: ICE

| | | |
|---|---|---|
| BOD-UNIN | Template: DEFAULT | (SM 5210 B) BOD, NOT nitrogen-inhibited |

Bottle Type: BP-1L Number of Bottles: 4 Preserved With: ICE

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

Bottle Type: P-500ML Number of Bottles: 4 Preserved With: HNO3

| | | |
|---|---|---|
| W-ICP | Template: | (EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects |
| Calcium | | |
| Chromium | | |
| Iron | | |
| Magnesium | | |
| Nickel | | |
| Potassium | | |
| Sodium | | |
| Zinc | | |
| W-ICPMS | Template: | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |
| Arsenic | | |

## Bottle Group A (Water) With 4 Samples:

Bottle Type: P-500ML Number of Bottles: 4 Preserved With: HNO3

| | | |
|---|---|---|
| W-ICPMS | Template: | (EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects |

Cadmium
Copper
Lead
Silver

Bottle Type: P-500ML Number of Bottles: 4 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-00) Nonpurgeable Organic Carbon in aqueous matrices |

Bottle Type: P-125ML Number of Bottles: 4 Preserved With: ICE-FLTR

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

# Log-in Checklist

RQ- 2016-03-21-63

Shipping Method: FedEx P

Date/Time of Receipt: 03-22-16 09:15

| 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 | 1.3C | 12 | | ✓ | | | |
| Red | 1.7C | 14 | | ✓ | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

*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 | | | | | |

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No____ NA____ Init: [initials]

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

**Coolers Unpacked/Checked by:** [initials] **Date:** 3-22-16 **NCRs (Y/N)?** ✓

**Event ID:** SMP_Kissimmee_3/21 -SE-DIST-2016-03-22-02 (SMP) Date Received: 22-MAR-2016 09:15 **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** – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

**Additional Comments:**

TRK# 0201 7826 4060 5692

TUE – 22 MAR 10:30A
PRIORITY OVERNIGHT

**36 TLHA**

32399
FL – US TLH

RT 853 1 10:30 B 5692

TRK# 0201 7826 4062 5959

TUE – 22 MAR 10:30A
PRIORITY OVERNIGHT

**36 TLHA**

32399
FL – US TLH