

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Mike Drennan

Project ID: SMP

Collected By: Mike Drennan

Sampling Agency: FDEP-CEROC

Spruce Creek @ Airport Rd

G5CE0072

Field ID
STORET

27010020

Date: 11/22/2016
RQ-2016-11-21-46

Latitude 29.090641 Longitude -81.0271137

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/22/16 Time 1100	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 3.3	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Temp (C) 16.9	pH 7.4	Sample Depth .3	☐ ft ☒ m	Sp. Conductance (umho/cm) 9500

B

Turnbull Bay @ 2 miles NW
of Turnbull Bay Rd

G5CE0075

Field ID
STORET

27010177

Date: 11/22/2016
RQ-2016-11-21-46

Latitude 29.078761 Longitude -80.971777

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/22/16 Time 1210	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 7.7	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Temp (C) 18.1	pH 7.7	Sample Depth .3	☐ ft ☒ m	Sp. Conductance (umho/cm) 41470

A

Strickland Bay @ 875M East
(Downstream) of RR Crossing

G5CE0074

Field ID
STORET

27010185

Date: 11/22/2016
RQ-2016-11-21-46

Latitude 29.081244 Longitude -80.9745388

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/22/16 Time 1220	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 7.8	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Temp (C) 18.3	pH 7.7	Sample Depth .3	☐ ft ☒ m	Sp. Conductance (umho/cm) 42000

C

Rose Bay @ 125m NE of
Boat ramp

G5CE0073

Field ID
STORET

27010163

Date: 11/22/2016
RQ-2016-11-21-46

Latitude 29.100895 Longitude -80.966933

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 11/22/16 Time 1322	Eastern Central	Composite end Date Time	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc) Salt		Diss. Oxygen 8.2	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Temp (C) 18.1	pH 7.7	Sample Depth .3	☐ ft ☒ m	Sp. Conductance (umho/cm) 45100

A

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Mike Drennan

11/22/16

FedEx

2

SK 11.23.16/10:10

Central Laboratory Submittal Form

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Requester: Michael Linger

Field Report Prepared By: Mike Drennan

Project ID: SMP

Collected By: Mike Drennan

Sampling Agency: FDEP - CEROC

Rose Bay @ US 1

G5CE0038

Field ID ↑

STORET ↓

27010018

Date: 11/22/2016

RQ-2016-11-21-46

Latitude 29.10444

☒ dd
☐ dms

Longitude -80.97192

☒ dd
☐ dms

Salinity (ppt) 29.0

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 11/22/16

Time 1333

☒ Eastern
☐ Central

Composite end

Date

Time

Bottle
Group(s)
(See pg 2)

Matrix (type, e.g., Salt, Fresh, etc)

Salt

Diss. Oxygen

7.8

☒ mg/L☐ % sat

Total Res. Chlorine

(mg/L)

Temp

(C) 17.4

pH

7.8

Sample

Depth

.3

☐ ft☒ m

Sp. Conductance

(umho/cm)

44700

A

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)

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)

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)

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

SLC 11-23-16/10:10

Date of Request: 21-NOV-2016
 Created By: LINGER_M On: 21-NOV-2016
 Modified By: WATTS_J On: 21-NOV-2016
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Strickland D/Turnbull B/Spruce C/Rose Bx2

Send Coolers To:

Phone: 407-897-4180
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

Program Module Number: 1306
 Priority: 3
 Event Status: P
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 21-NOV-2016
 Biology Request Reviewed By:
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 21-NOV-2016
 Received By:

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

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

Comments:

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	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-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Bottle Type: BP-1L	Number of Bottles: 3	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: 3	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: 3	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

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	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 Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
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

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
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: BP-1L	Number of Bottles: 1	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: 1	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		
Cadmium		
Copper		
Lead		
Silver		
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-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	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

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	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-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 1	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: 1	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
Chromium		
Iron		
Zinc		
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Nickel		
Silver		
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

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	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- 2016-11-21-46

Shipping Method: Fedex

Date/Time of Receipt: 11-23-16/10:10

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	Yes	No		
Red	1.4	13		✓	✓		
Red	1.7	9		✓			

*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: SK

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☐ Init: SK

Coolers Unpacked/Checked by: SK Date: 11-23-16 NCRs (Y/N)? N

Event ID: CEN-DIST-2016-11-23-02 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:

11/22/16

Sender's Name: Mike Diennen

Phone: 407 8974100

Company: FDEP

Address: 3319 McGuire Blvd. Suite 232

City: Orlando

State: FL ZIP: 32803

Internal Billing Reference

Recipient's Name: SAMPLE RECEIVING

Phone: 850 245-8085

Company: FLORIDA DEP/CHEMISTRY SECTION

Address: 2600 BLAIRSTONE RD

Dept./Floor/Suite/Room:

City: TALLAHASSEE

State: FL ZIP: 32399-6542

0124452242



8104 1261 9220

4 Express Package Service

Next Business Day

- ☐ FedEx First Overnight
- ☒ FedEx Priority Overnight
- ☐ FedEx Standard Overnight

2 or 3 Business Days

- ☐ FedEx 2Day A.M.
- ☐ FedEx 2Day
- ☐ FedEx Express Saver

5 Packaging

- ☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☒ FedEx Tube ☐ Other

6 Special Handling and Delivery Signature Options

- ☐ Saturday Delivery
- ☐ No Signature Required
- ☐ Direct Signature
- ☐ Indirect Signature

Does this shipment contain dangerous goods?

- ☒ No ☐ Yes
- ☐ Dry Ice
- ☐ Cargo Aircraft Only

7 Payment Bill to:

- ☐ Sender ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages: 1 Total Weight: 50 lbs.

*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.



11/22/16

Sender's Name: Mike Diennen

Phone: 407 8974100

Company: FDEP

Address: 3319 McGuire Blvd. Suite 232

City: Orlando

State: FL ZIP: 32803

Internal Billing Reference

Recipient's Name: SAMPLE RECEIVING

Phone: 850 245-8085

Company: FLORIDA DEP/CHEMISTRY SECTION

Address: 2600 BLAIRSTONE RD

Dept./Floor/Suite/Room:

City: TALLAHASSEE

State: FL ZIP: 32399-6542

0124452242



8104 1261 9230

4 Express Package Service

Next Business Day

- ☐ FedEx First Overnight
- ☒ FedEx Priority Overnight
- ☐ FedEx Standard Overnight

2 or 3 Business Days

- ☐ FedEx 2Day A.M.
- ☐ FedEx 2Day
- ☐ FedEx Express Saver

5 Packaging

- ☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

- ☐ Saturday Delivery
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- ☐ Indirect Signature

Does this shipment contain dangerous goods?

- ☒ No ☐ Yes
- ☐ Dry Ice
- ☐ Cargo Aircraft Only

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Total Packages: 1 Total Weight: 50 lbs.

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