

Log-in Checklist

RQ- 2018-01-15-29

Shipping Method: Feed Ex

Date/Time of Receipt: 2/1/18 9:50

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	
1200	0.5	13		✓			
1200	0.2	7		✓			

*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		<u>✓</u>	W-PC-AA-SF		<u>✓</u>
W-AHERB-AA (-AHB-AA-R)		<u>✓</u>	W-PCL-SQ (-R)		<u>✓</u>
W-BNA (-625, -R)		<u>✓</u>	W-PDQUAT		
W-CARB-AA (-CAB-AA-R)		<u>✓</u>	W-PESTNP-R		
W-ENDO-AA		<u>✓</u>	W-PSCL-TQ		
W-GLYPH		<u>✓</u>	W-PSNP-TQ		<u>✓</u>
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R			W-CT-CI-R		<u>✓</u>

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: 9.0

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes No NA ✓ Init: 9.0

Coolers Unpacked/Checked by: 9.0 Date: 2/1/18 NCRs (Y/N)?

Event ID: CEM-DIST-2018-02-01-02 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:

Apopka Beauclair Canal

Central Laboratory Submittal Form

last revised Jan 3, 2018

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Terry Riordan

Project ID: SMP

Collected By:

Terry Riordan / Mike Drennan

Sampling Agency:

21 FLCCEN

Location	WIN ID / Field ID →				☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1-31-18 Time 940	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	
Field ID	Lake Starke @ Center (3002D)				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 10.41	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STO					Temp (C) 15.81	pH 8.06	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 261	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.12	Comments					
Location	WIN ID / Field ID →				☐ Comp ☒ Grab	Collection (comp begin or grab) Date 1-31-18 Time 1040	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Apopka Beauclair Canal @ 200m S of Lock (2835A1)				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen 6.99	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORE					Temp (C) 15.22	pH 7.38	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 420	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.20	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: Terry Riordan	Date/Time 1-31-18/1315	Shipping Method FedEx	Number of Coolers Shipped: 2	Received By: J. Q.	Date/Time 2/1/18 9:50
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Please add CD-FLR-ECQ to bottle group A

★ Please add an additional Bottle Group A to this RQ

Group: A	Bottle Type:	P-1L	# of Bottles: <u>2</u>	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>2</u>
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: <u>2</u>	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>2</u>
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: <u>2</u>	Preservative:	HNO3	Enter Number of Bottles Sent to Lab <u>1</u>
	W-ICP					
	W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: <u>2</u>	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>2</u>
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: <u>2</u>	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab <u>2</u>
	W-PO4-F					
Group: B	Bottle Type:	BG-1L	# of Bottles: <u>2</u>	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>2</u>
	W-AHERB-AA					
	W-GLYPH					
	W-PYR-AA-R					
	W-SUC-AA-R					
	W-UHERB-AA					
Group: B	Bottle Type:	BG-1L	# of Bottles: <u>1</u>	Preservative:	CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab <u>1</u>
	W-CAB-AA-R					
Group: B	Bottle Type:	BG-500ML	# of Bottles: <u>4</u>	Preservative:	ICE	Enter Number of Bottles Sent to Lab <u>4</u>
	W-CT-CI-R					
	W-PCL-SQ-R					

Group: B Bottle Type: BG-1L # of Bottles: 4 Preservative: ICE Enter Number of Bottles Sent to Lab 44
W-PSNP-TQ

Group: A CD-FLR-ECQ # 2 ICE # sent 210

Please add CD-FLR-ECQ to bottle Group A

* Please add an additional Bottle Group A to this RQ



CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: Michael.Linger@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: 5m²
Project Number: RQ- 2018-01-15-29
Site Location: Stark Lake

Contract/PO # Flowers Lab - B16975

Sampler Names: Terry Riordan / M. Lee
Drehan

Signature: [Signature]

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative				Matrix				Analyze For:		
							ICE	HCL	HNO3	NONE	Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Enterococci (ENQ)	Fecal Coliform (FC)
G2CE0094		1-31-18	940	1	X		X							X	X		
G1CE0025		1-31-18	1040	1	X		X							X	X		

Special Instructions:

Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
Terry Riordan	1-31-18	1219	[Signature]	1/31	12:19	Temp Upon Receipt: -3.5°C
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact?
						N

Date of Request: 26-DEC-2017
 Created By: LINGER_M On: 26-DEC-2017
 Modified By: SWANSON_C On: 09-JAN-2018
 Customer: CEN-DIST
 Project: SMP
 Division:
 District: Central District
 Sampling Event: Apopka Beauclair Canal

Send Coolers To:

Phone: 407-894-4180
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Michael Linger

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 08-JAN-2018
 Biology Request Reviewed By: SWANSON_C On: 09-JAN-2018
 Sampling Kit Required: YES Ship on: 10-JAN-2018
 Sampling Kit Shipped: YES On: 10-JAN-2018
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 15-JAN-2018
 Received By:

Send Final Report To:

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

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

Comments: Group A: Freshwater Kit With Metals
 Group B: Pesticides

Bottle Group A (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 CaCO ₃ /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-SO ₄ -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: 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: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
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		

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	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

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: 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 1 Samples:

Bottle Type: BG-1L	Number of Bottles: 2	Preserved With: ICE
W-AHERB-AA	Template:	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-GLYPH	Template: DEFAULT	(EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS
W-PYR-AA-R	Template: DEFAULT	(EPA 8321B) Pyraclostrobin 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
Bottle Type: BG-1L	Number of Bottles: 1	Preserved With: CH2ClCOOH Pre-Preserved
W-CAB-AA-R	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template: DEFAULT	(EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM
Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

01000

FedEx
 Express *Package*
US Airbill
FedEx
Tracking
Number

8119 7780 5101

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From

Date 1-31-18

Sender's
Name

Terry R. Jordan

Phone

407 897-4100

Company

FDEP

Address

3319 Magnolia Blvd St 232

Dept./Floor/Suite/Room

City

Orlando

State

FL

ZIP

32503

2 Your Internal Billing Reference**3 To**Recipient's
Name

SAMPLE RECEIVING

Phone

850 245-8085

Company

FLORIDA DEP/CHEMISTRY SECTION

Address

2600 BLAIRESTONE RD

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City

TALLAHASSEE

State

FL

ZIP

32399

Hold Weekday
FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.☐Hold Saturday
FedEx location address
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.☐

0127857428



8119 7780 5101

Form
ID No.

0215

Recipient's Copy

4 Express Package Service

* To most locations.

Packages up to 150 lbs.
 For packages over 150 lbs., use the
 FedEx Express Freight US Airbill.
Next Business Day
☐ **FedEx First Overnight**
 Earliest next business morning delivery to select
 locations. Friday shipments will be delivered on
 Monday unless Saturday Delivery is selected.

☒ **FedEx Priority Overnight**
 Next business morning.* Friday shipments will be
 delivered on Monday unless Saturday Delivery
 is selected.

☐ **FedEx Standard Overnight**
 Next business afternoon.* Saturday Delivery NOT available.
2 or 3 Business Days
☐ **FedEx 2Day A.M.**
 Second business morning.*
 Saturday Delivery NOT available.

☐ **FedEx 2Day**
 Second business afternoon.* Thursday shipments
 will be delivered on Monday unless Saturday
 Delivery is selected.

☐ **FedEx Express Saver**
 Third business day.*
 Saturday Delivery NOT available.
5 Packaging *Declared value limit \$500.☐ FedEx Envelope*☐ FedEx Pak*☐ FedEx
Box☐ FedEx
Tube☒ Other**6 Special Handling and Delivery Signature Options** Fees may apply. See the FedEx Service Guide.☐ **Saturday Delivery**

NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☐ **No Signature Required**
 Package may be left without
 obtaining a signature for delivery.

☐ **Direct Signature**
 Someone at recipient's address
 may sign for delivery.

☐ **Indirect Signature**
 If no one is available at recipient's
 address, someone at a neighboring
 address may sign for delivery. For
 residential deliveries only.
Does this shipment contain dangerous goods?

One box must be checked.

☒ No☐ YesAs per attached
Shipper's Declaration.☐ YesShipper's Declaration
not required.☐ Dry Ice

Dry Ice, 9, UN 1845

x

kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

☐ Cargo Aircraft Only**7 Payment Bill to:**

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip.
Acct. No.
☐ Sender
 Acct. No. in Section
 1 will be billed.

☒ Recipient

☐ Third Party

☐ Credit Card

☐ Cash/Check

Total Packages

Total Weight

262

Credit Card Auth.

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

611

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01000

FedEx
Express®Package
US AirbillFedEx
Tracking
Number

8119 7780 5086

1 From

Date

1-31-18

Sender's
Name

Terry Riordan

Phone 407 897-4100

Company

FDEP

Address

3319 Maguire Blvd St 232

Dept./Floor/Suite/Room

City

Orlando

State

FL

ZIP

32803

2 Your Internal Billing Reference

3 To

Recipient's
Name

SAMPLE RECEIVING

Phone

850 245-8085

Company

FLORIDA DEP/CHEMISTRY SECTION

Address

2600 BLAIRSTONE RD

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City

TALLAHASSEE

State

FL

ZIP

32399

Hold Weekday
FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.☐Hold Saturday
FedEx location address
REQUIRED. Available ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.☐

0127857428



8119 7780 5086

Form
ID No.

0215

Recipient's Copy

4 Express Package Service

* To most locations.

Packages up to 150 lbs.
For packages over 150 lbs., use the
FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First Overnight
Earliest next business morning delivery to select
locations. Friday shipments will be delivered on
Monday unless Saturday Delivery is selected.☒ FedEx Priority Overnight
Next business morning.* Friday shipments will be
delivered on Monday unless Saturday Delivery
is selected.☐ FedEx Standard Overnight
Next business afternoon.*
Saturday Delivery NOT available.

2 or 3 Business Days

☐ FedEx 2Day A.M.
Second business morning.*
Saturday Delivery NOT available.☐ FedEx 2Day
Second business afternoon.* Thursday shipments
will be delivered on Monday unless Saturday
Delivery is selected.☐ FedEx Express Saver
Third business day.*
Saturday Delivery NOT available.

5 Packaging

* Declared value limit \$500.

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

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

☐ Saturday Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.☒ No Signature Required
Package may be left without
obtaining a signature for delivery.☐ Direct Signature
Someone at recipient's address
may sign for delivery.☐ Indirect Signature
If no one is available at recipient's
address, someone at a neighboring
address may sign for delivery. For
residential deliveries only.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No☐ Yes
As per attached
Shipper's Declaration.☐ Yes
Shipper's Declaration
not required.☐ Dry Ice
Dry Ice, 9 UN 1845 _____ x _____ kg

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

☐ Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip.
Acct. No.☐ Sender
Acct. No. in Section
1 will be billed.☒ Recipient☐ Third Party☐ Credit Card☐ Cash/Check

Total Packages

Total Weight

Credit Card Auth.

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

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