

Louise Lk

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Terry Riordan

Project ID: SMP

Collected By:

Terry Riordan / Mike Drennan

Sampling Agency:

Z1 F& CEN

Location	Lake Louise @ Center of South Lobe		☐ Comp ☒ Grab		Collection (comp begin or grab)	☒ Eastern ☐ Central	Composite end	Bottle Group(s)
Field ID			Date		8/21/17	Time	1112	(See pg 2)
STORE	Date: 08/21/2017 RQ-2017-07-31-27		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)	31.4	pH	6.8	Sample Depth
				Salinity (ppt)	0.1	Comments		
Location			☐ Comp ☐ Grab		Collection (comp begin or grab)	☐ Eastern ☐ Central	Composite end	Bottle Group(s)
Field ID			Date			Time		
STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)		pH		Sample Depth
				Salinity (ppt)		Comments		
Location			☐ Comp ☐ Grab		Collection (comp begin or grab)	☐ Eastern ☐ Central	Composite end	Bottle Group(s)
Field ID			Date			Time		
STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)		pH		Sample Depth
				Salinity (ppt)		Comments		
Location			☐ Comp ☐ Grab		Collection (comp begin or grab)	☐ Eastern ☐ Central	Composite end	Bottle Group(s)
Field ID			Date			Time		
STORET #			Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C)		pH		Sample Depth
				Salinity (ppt)		Comments		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Terry Riordan	8/21/17 1400	FedEx	2	Tyler R.	08/21/17 @ 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:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-AHERB-AA W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	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	4
	W-PSNP-TQ						

Date of Request: 13-JUL-2017
 Created By: LINGER_M On: 13-JUL-2017
 Modified By: SWANSON_C On: 14-JUL-2017
 Customer: CEN-DIST
 Project: SMP
 Division:
 District: Central District
 Sampling Event: Louise Lk

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: 14-JUL-2017
 Biology Request Reviewed By: SWANSON_C On: 14-JUL-2017
 Sampling Kit Required: YES Ship on: 18-JUL-2017
 Sampling Kit Shipped: YES On: 18-JUL-2017
 Sampling Kit Packed By: REAVES_S
 Preservatives Needed: NO
 Date to Receive Samples: 31-JUL-2017
 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: 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: 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-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.

Log-in Checklist

RQ-2017-07-31-27

Shipping Method: FEDEX

Date/Time of Receipt: 08/22/17 @ 10:20am

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	0.9°C	6		✓			
Blue	1.7°C	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			W-CT-CI-R		☒

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: mm

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

Coolers Unpacked/Checked by: Tyler R. Date: 08/22/17 NCRs (Y/N)? Y

Event ID: CEN-DIST-2017-08-22-02 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:

01000

FedEx
 Express Package
 US Airbill
Tracking
Number

8115 9628 0068

Form
ID No. 0215

MUR 4

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From

Date 8/21/17

Sender's Name M. K. Dorman

Phone

407 8974100

Company

FDEP-CEPOC

Address

3319 Maguire Blvd Suite 232

City

Orlando

State

FL

ZIP

32803

Day/Room/Room

2 Your Internal Billing Reference

3 To

Recipient's Name SAMPLE RECEIVING

Phone

850 245-8085

Company FLORIDA DEPCHEMISTRY SECTION

Address

2400 BLAIRSTONE RD

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

Day/Room/Room

Address

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

City TALLAHASSEE

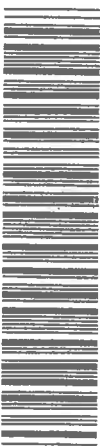
State

FL

ZIP

32309

0126712290



8115 9628 0068

4 Express Package Service

To meet deadlines.

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

Next Business Day

2 or 3 Business Days

☐ FedEx First Overnight
 Earliest next business morning delivery to select
 locations. Friday shipments will be delivered on
 Monday unless Saturday Delivery is selected.

☐ FedEx 2Day AM
 Second business morning.*
 Saturday Delivery NOT available.

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

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

☐ FedEx Standard Overnight
 Next business afternoon.
 Saturday Delivery NOT available.

☐ FedEx Express Saver
 Third business day.*
 Saturday Delivery NOT available.

5 Packaging *Declared value limit \$50K

☐ 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
 Packages are delivered without
 obtaining a signature for delivery.

☐ Direct Signature
 Signature at recipient's address
 may apply for delivery.

Does this shipment contain dangerous goods?

☒ No

☐ Yes
 Yes
 Shipper's Declaration
 not required.

☐ Yes
 Shipper's Declaration
 not required.

☐ Dry Ice
 UN 1845

☐ Cargo Aircraft Only

7 Payment Bill to:

☐ Sender
 (Not to be used)

☒ Recipient

☐ Third Party

☐ Credit Card

☐ Cash/Check

☐ Other

☐ Obtain recp.

☐ Act. No.

☐ Credit Card

☐ Cash/Check

☐ Other

☐ Obtain recp.

☐ Act. No.

☐ Credit Card

☐ Cash/Check

☐ Other

☐ Obtain recp.

☐ Act. No.

☐ Credit Card

☐ Cash/Check

☐ Other

☐ Obtain recp.

☐ Act. No.

☐ Credit Card

☐ Cash/Check

☐ Other

☐ Obtain recp.

☐ Act. No.

☐ Credit Card

☐ Cash/Check

☐ Other

 Total Packages 1
 Total Weight 50 lbs.
 Total Value \$62

611

611

fedex.com 1.800.GoFedEx 1.800.463.3339

01000

FedEx Package
Express US Airbill

FedEx
Tracking
Number

8115 9628 0079

Form
ID No. 0215

MUR 4

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From

Date

8/21/17

Sender's
Name

M. L. Drenco

Phone

457 8974100

Company

FDEP. CECOC

Address

3319 Maguire Blvd Suite 232

City

Ocala

State

FL

ZIP

32803

Day/Floor/Building/Room

2 Your Internal Billing Reference

3 To

Recipient's
Name

SAMPLE RECEIVING

Phone

880 245-1905

Company ELECTRA DEPARTMENT SECTION

Address

3300 BLVD SUITE 100

We cannot deliver to PO boxes or PO ZIP codes.

Day/Floor/Building/Room

Hold Weekday
FedEx location address
is available for
FedEx First Overnight

Hold Saturday
FedEx location address
is available for
FedEx Priority Overnight and
FedEx 2Day to select locations

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

City

TALLAHASSEE

State

FL

ZIP

92300

012691250

8115 9628 0079



4 Express Package Service

*To meet locations.

Next Business Day

☐ FedEx First Overnight

Fastest next business morning delivery to select
locations. 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 day. *Friday shipments will be
delivered on Monday unless Saturday Delivery
is selected.

2 or 3 Business Days

☐ FedEx 2Day/AM

Second business day. *Saturday shipments
will be delivered on Monday unless Saturday
Delivery is selected.

☐ 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

Free may apply. See the FedEx Service Guide.

☐ Saturday Delivery

Not available for FedEx Standard Overnight, FedEx 2Day AM, or FedEx Express Saver.

☐ No Signature Required

Package will be delivered without a signature.

☐ Direct Signature

Someone at recipient's address
may sign for delivery.

☐ Indirect Signature

Someone at recipient's address
may sign for delivery. For
residential deliveries only.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No

☐ Yes

Yes, as required
Shipper's Declaration
not required.

☐ Dry Ice

☐ Cargo Aircraft Only

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

7 Payment Bill to:

Sender

☐ FedEx Account

☒ Recipient

☐ Third Party

☐ Credit Card

☐ Cash/Check

Obtain receipt ☐

Account No. ☐

Credit Card ☐

Cash/Check ☐

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

Account No. ☐

Credit Card ☐

Cash/Check ☐

Obtain receipt ☐

Account No. ☐

Credit Card ☐

Cash/Check ☐

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

Account No. ☐

Credit Card ☐

Cash/Check ☐

Obtain receipt ☐

Account No. ☐

Credit Card ☐

Our liability is limited to USD100 unless you declare a higher value. See the current FedEx Service Guide for details.
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