

Lk Rouse x4 / Lk Drawdy x2

last revised Apr 7, 2016

Central Laboratory Submittal Form

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By: Mike Drennan

Project ID: SMP

Collected By: Mike Drennan

Sampling Agency: FDEP - CEROC

Location Lake Drawdy @ 150m NNE of Center		G2CE0079 Field ID STORET G2CE0079		☐ Comp ☒ Grab Collection (comp begin or grab) Date 4/27/17 Time 1135		☒ Eastern ☐ Central Composite end Date Time		Bottle Group(s) (See pg 2)	
		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.1		☒ mg/L ☐ % sat Total Res. Chlorine (mg/L)			
Date: 04/27/2017 RQ-2017-04-10-48		Temp (C) 26.6		pH 7.1		Sample Depth 0.3		☐ ft ☒ m Sp. Conductance (umho/cm) 169	
☐ dms		Salinity (ppt) 0.1		Comments					
		☐ dd ☐ dms							
Location Lake Drawdy @ 150m S of Center		G2CE0078 Field ID STORET G2CE0078		☐ Comp ☒ Grab Collection (comp begin or grab) Date 4/27/17 Time 1147		☒ Eastern ☐ Central Composite end Date Time		Bottle Group(s)	
		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.1		☒ mg/L ☐ % sat Total Res. Chlorine (mg/L)			
Date: 04/27/2017 RQ-2017-04-10-48		Temp (C) 26.4		pH 7.0		Sample Depth 0.3		☐ ft ☒ m Sp. Conductance (umho/cm) 169	
☐ dms		Salinity (ppt) 0.1		Comments					
		☐ dd ☐ dms							
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		Longitude		Salinity (ppt)		Comments			
☐ dd ☐ dms		☐ dd ☐ dms							
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		Longitude		Salinity (ppt)		Comments			
☐ dd ☐ dms		☐ dd ☐ dms							

Relinquished By: Mike Drennan	Date/Time: 4/27/17	Shipping Method: FedEx	Number of Coolers Shipped: 2	Received By: SR	Date/Time: 4-28-17/1500
-------------------------------	--------------------	------------------------	------------------------------	-----------------	-------------------------

Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	6
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	6
	W-PO4-F						

Lk Rouse x4 / Lk Drawdy x2

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

Location Lake Rouse @ NW Corner of Lake Date: 04/27/2017 RQ-2017-04-10-48	G2CE0100 Field ID STORET G2CE0100	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/27/17 Time 1021	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.7	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
		Temp (C) 25.6	pH 7.5	Sample Depth 0.3	Sp. Conductance (umho/cm) 149	
		Salinity (ppt) 0.1	Comments			
Location Lake Rouse @ NE Corner of Lake Date: 04/27/2017 RQ-2017-04-10-48	G2CE0101 Field ID STORET G2CE0101	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/27/17 Time 1030	Eastern Central	Composite end Date Time	Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.6	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
		Temp (C) 25.6	pH 7.4	Sample Depth 0.3	Sp. Conductance (umho/cm) 148	
		Salinity (ppt) 0.1	Comments			
Location Lake Rouse @ SE Corner of Lake Date: 04/27/2017 RQ-2017-04-10-48	G2CE0102 Field ID STORET G2CE0102	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/27/17 Time 1040	Eastern Central	Composite end Date Time	Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.2	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
		Temp (C) 25.5	pH 7.3	Sample Depth 0.3	Sp. Conductance (umho/cm) 149	
		Salinity (ppt) 0.1	Comments			
Location Lake Rouse @ SW Corner of Lake Date: 04/27/2017 RQ-2017-04-10-48	G2CE0103 Field ID STORET G2CE0103	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 4/27/17 Time 1048	Eastern Central	Composite end Date Time	Bottle Group(s)
		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 7.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	A
		Temp (C) 25.6	pH 7.3	Sample Depth 0.3	Sp. Conductance (umho/cm) 149	
		Salinity (ppt) 0.1	Comments			

Relinquished By: Mike Drennan	Date/Time 4/27/17	Shipping Method FedEx	Number of Coolers Shipped: 2	Received By: SR	Date/Time 4-28-17/15:10
----------------------------------	----------------------	--------------------------	---------------------------------	--------------------	----------------------------

Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
ALKALINITY							
TURBIDITY							
W-CL-IC							
W-COLOR							
W-F							
W-SO4-IC							
W-TDS							
W-TSS							
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
CHLSUITE-W							
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	6
W-ICP							
W-ICPMS							
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
W-NH3							
W-NO2NO3							
W-S-A-TP							
W-TKN							
W-TOC							
Group: A	Bottle Type:	P-125ML	# of Bottles: 6	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	6
W-PO4-F							

Date of Request: 23-MAR-2017
 Created By: LINGER_M On: 23-MAR-2017
 Modified By: MATTHEWS_D On: 03-APR-2017
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Lk Rouse x4 / Lk Drawdy x2

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: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 24-MAR-2017
 Biology Request Reviewed By: MATTHEWS_D On: 03-APR-2017
 Sampling Kit Required: YES Ship on: 03-APR-2017
 Sampling Kit Shipped: YES On: 03-APR-2017
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 10-APR-2017
 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 6 Samples:

Bottle Type: P-1L	Number of Bottles: 6	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: 6	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: 6	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		

Bottle Group A (Water) With 6 Samples:

Bottle Type: P-500ML Number of Bottles: 6 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: 6 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: 6 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- 2017-04-10-48

Shipping Method: Fedex

Date/Time of Receipt: 4-28-17/15:10

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	
Red	2.1	15		☒			
Red	0.9	15		☒			

*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: SR

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

Coolers Unpacked/Checked by: SR Date: 4-28-17

NCRs (Y/N)? Y

Event ID: CEN-DIST-2017-04-28-01

NCR # 6379

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken
G2CE0103	W-NH3; W-NO2; W-03 W-S-A-TP; W-TM W-TOC	2	Preserved in lab with Sulfuric Acid on 4/28/17 at 3:35

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:

Sender's name: Mike Diennan Phone: 407 897 4100
Company: FDEP
Address: 3319 Maguire Blvd suite 232 Dept./Floor/Suite/Room
Orlando State FL ZIP 32803
For 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
cannot deliver to P.O. boxes or P.O. ZIP codes.
Address: TALLAHASSEE State FL ZIP 32399-6542
this line for the HOLD location address or for continuation of your shipping address.

Barcode: 8104 1405 9274
0124452251

FedEx Express Package US Airbill
Tracking Number: 8104 1405 9285

Date: 4/27/17
Sender's name: Mike Diennan Phone: 407 897 4100
Company: FDEP
Address: 3319 Maguire Blvd suite 232 Dept./Floor/Suite/Room
Orlando State FL ZIP 32803
For 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
cannot deliver to P.O. boxes or P.O. ZIP codes.
Address: TALLAHASSEE State FL ZIP 32399-6542
this line for the HOLD location address or for continuation of your shipping address.

Barcode: 8104 1405 9285
0124452251

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.

☐ **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?
☒ 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: 1 Total Weight: 50 lbs. Credit Card Auth. 611
*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.
Rev. Date 5/15 • Part #163134 • ©1994-2015 FedEx • PRINTED IN U.S.A. SRM

Form 10 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?
☒ 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: 1 Total Weight: 50 lbs. Credit Card Auth. 611
*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.
Rev. Date 5/15 • Part #163134 • ©1994-2015 FedEx • PRINTED IN U.S.A. SRM