

Lake Reams

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: Leif Boman

Sampling Agency: 21FLCEN

Lake Reams @ NE of Center

G4CE0121

Field ID ↑
STORET ↓

26011411

Date: 06/02/16

RQ-2016-05-30-57

Latitude 28.442967

☒ dd
☐ dms

Longitude -81.570954

☒ dd
☐ dms

Salinity (ppt) .07

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 6/2/16

Time 1055

☒ Eastern
☐ Central

Composite end

Date

Time

Bottle Group(s)
(See pg 2)

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

Fresh

Diss. Oxygen

6.6

☒ mg/L
☐ % sat

Total Res. Chlorine (mg/L)

Temp (C)

30.1

pH

6.8

Sample Depth

.3

☐ ft
☒ m

Sp. Conductance (umho/cm)

155

Lake Reams @ NW of Center

G4CE0122

Field ID ↑
STORET ↓

26011412

Date: 06/02/16

RQ-2016-05-30-57

Latitude 28.442911

☒ dd
☐ dms

Longitude -81.575117

☒ dd
☐ dms

Salinity (ppt) .07

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 6/2/16

Time 1110

☒ Eastern
☐ Central

Composite end

Date

Time

Bottle Group(s)

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

Fresh

Diss. Oxygen

6.5

☒ mg/L
☐ % sat

Total Res. Chlorine (mg/L)

Temp (C)

30.5

pH

6.4

Sample Depth

.3

☐ ft
☒ m

Sp. Conductance (umho/cm)

155

Lake Reams @ Center

G4CE0123

Field ID ↑
STORET ↓

26011413

Date: 06/02/16

RQ-2016-05-30-57

Latitude 28.441363

☒ dd
☐ dms

Longitude -81.5728

☒ dd
☐ dms

Salinity (ppt) .07

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 6/2/16

Time

☒ Eastern
☐ Central

Composite end

Date

Time

Bottle Group(s)

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

Fresh

Diss. Oxygen

6.4

☒ mg/L
☐ % sat

Total Res. Chlorine (mg/L)

Temp (C)

30.3

pH

6.4

Sample Depth

.3

☐ ft
☒ m

Sp. Conductance (umho/cm)

155

Lake Reams @ SE Center

G4CE0125

Field ID ↑
STORET ↓

26011415

Date: 06/02/16

RQ-2016-05-30-57

Latitude 28.439741

☒ dd
☐ dms

Longitude -81.571104

☒ dd
☐ dms

Salinity (ppt) .07

Comments

☐ Comp
☒ Grab

Collection (comp begin or grab)

Date 6/2/16

Time 1145

☒ Eastern
☐ Central

Composite end

Date

Time

Bottle Group(s)

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

Fresh

Diss. Oxygen

6.5

☒ mg/L
☐ % sat

Total Res. Chlorine (mg/L)

Temp (C)

29.3

pH

6.4

Sample Depth

.3

☐ ft
☒ m

Sp. Conductance (umho/cm)

155

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

Mike Drennan

6/2/16

Fedex

2

NMB

6/8/16/10:30

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: 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

Date of Request: 26-MAY-2016
 Created By: LINGER_M On: 26-MAY-2016
 Modified By: MATTHEWS_D On: 27-MAY-2016
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Sampling Event: Lake Reams

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: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 27-MAY-2016
 Biology Request Reviewed By: MATTHEWS_D On: 27-MAY-2016
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 30-MAY-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 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 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: 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: 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 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- 2016-05-30-57

Shipping Method: Fedex

Date/Time of Receipt: 6/3/16/10:30

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	
Blue	-0.8	10		✓			8099 4719 7887
Red	0.1	10		✓			8099 4719 7876

*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: MB

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

Coolers Unpacked/Checked by: MB Date: 6/3/16 NCRs (Y/N)? N

Event ID: CEN-DIST-2016-06-03-02 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:

Bowden, Magan

From: Drennan, Lawrence
Sent: Friday, June 03, 2016 11:52 AM
To: Bowden, Magan
Cc: Linger, Michael
Subject: FW: Collection Time

Good morning Magan,

I apologize for the leaving this out; the collection time for G4CE0123 is 1130 am. Please let me know if you have any questions.

Thanks!
Mike Drennan

From: Linger, Michael
Sent: Friday, June 03, 2016 11:46 AM
To: Drennan, Lawrence; Boman, Leif
Subject: Fwd: Collection Time

via CloudMagic Email

-----Forwarded message-----

From: Bowden, Magan <Magan.Bowden@dep.state.fl.us>
Date: Fri, Jun 03, 2016 at 11:44 AM
Subject: Fwd: Collection Time
To: Linger, Michael <Michael.Linger@dep.state.fl.us>

Michael,

I couldn't find Mike Drennan's email but hopefully you can help me or forward this on to him. I am missing a collection time from RQ-2016-05-30-57, field id: G4CE0123. If you could get me a collection time asap that would be great ☺

Thanks,
Magan Bowden
Laboratory Technician IV
DEP-Lab Support
Phone: 850-245-8153
Magan.Bowden@dep.state.fl.us