Request Number: RQ-2016-05-09-13

HAWTHORNE LAKES

Customer: NE-DIST

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Apr 7, 2016

Requester: Amy Kalmbacher

Field Report Prepared By: N. Frederick

Collected By: NF/JG

Sampling Agency: NE ROC

Location: 20020054 LITTLE ORANGE LAKE CTR

Field ID:

STORET #:

Latitude: 29.577500 ☐dd ☐dms

Longitude: 82.055439 ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 5/10/16 Time: 0940 Eastern Central | Composite end Date: Time:

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

Diss. Oxygen: 9.97 / 122.4 ☒ mg/L ☐ % sat | Total Res. Chlorine (mg/L):

Temp (C): 25.75 | pH: 5.59 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 58

Salinity (ppt): 0.03

Comments:

Bottle Group(s) (See pg 2): A

Location: 03NE0003 Holdens Pond Center

Field ID:

STORET #:

Latitude: 29.565030 ☒dd ☐dms

Longitude: 82.061610 ☒dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 5/10/16 Time: 1010 Eastern Central | Composite end Date: Time:

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

Diss. Oxygen: 6.81 / 69.1% ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L):

Temp (C): 23.82 | pH: 5.24 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): ~~58~~ NF 58

Salinity (ppt): 0.03

Comments:

Bottle Group(s): A

Location: 21030027 LAKE SAMPSON NEAR E SH

Field ID:

STORET #:

Latitude: 29.923628 ☒dd ☐dms

Longitude: 82.176514 ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 5/10 Time: 1215 Eastern Central | Composite end Date: Time:

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

Diss. Oxygen: 13.54 / 166.7 ☒ mg/L ☒ % sat | Total Res. Chlorine (mg/L):

Temp (C): 25.89 | pH: 7.5 | Sample Depth: 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm): 144

Salinity (ppt): 0.7

Comments: Thick hydrilla mat near bottom

Bottle Group(s): A

Location: FIELD BLANK

Field ID:

STORET #:

Latitude: ☐dd ☐dms

Longitude: ☐dd ☐dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date: 5/10/16 Time: 1205 Eastern Central | Composite end Date: Time:

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

Diss. Oxygen: ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L):

Temp (C): | pH: | Sample Depth: ☐ ft ☐ m | Sp. Conductance (umho/cm):

Salinity (ppt):

Comments:

Bottle Group(s):

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
N. Frederick	5/10/16 1530	Fed ex	1	SK	5-11-16 / 9:33

Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	3

ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	3

CHLSUITE-W

Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	3

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	3

W-PO4-F

Group: B	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: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	**Enter Number of Bottles Sent to Lab**	1

W-PO4-F

Group B
Add: (Field Blank)
W-chlsuite-W Pres. ICE # bottles - 1

Group B Alkalinity, Turbidity, W-CL-IC, W-COLOR, W-F, W-SO4-IC Pres-ICE # bottles - 1

RQ-2016-05-09-13

Date of Request: 11-APR-2016
Created By: KALMBACH_A On: 11-APR-2016
Modified By: WATTS_J On: 20-APR-2016
Customer: NE-DIST
Project: SMP
Division:
District: Northeast District
Sampling Event: HAWTHORNE LAKES

Send Coolers To:

Phone: 904-256-1700
8800 Baymeadows Way W.
Suite 100
Jacksonville, FL 32256-7577
Attn: Amy Kalmbacher

Send Final Report To:

8800 Baymeadows Way W.
Suite 100
Jacksonville, FL 32256-7577
Attn: Amy Kalmbacher

Program Module Number:
Priority: 3
Event Status: S
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 20-APR-2016
Biology Request Reviewed By: SWANSON_C On: 13-APR-2016
Sampling Kit Required: YES Ship on: 04-MAY-2016
Sampling Kit Shipped: YES On: 05-MAY-2016
Sampling Kit Packed By: BOWDEN_M
Preservatives Needed: NO
Date to Receive Samples: 09-MAY-2016
Received By:

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-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
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: 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-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 Group B (Water) With 1 Samples:

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 2016-05-09-13

Shipping Method: Fedex

Date/Time of Receipt: 5/11/16 9:33

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	1.3	16		✓			

*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: 5-11-16 NCRs (Y/N)? N

Event ID: NE-DIST-2016-05-11-02 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:

00043

01000

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8996 2134 0931

Form ID No. 0215

SPH2

Recipient's Copy

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 5-10-2016 FedEx Tracking Number 899621340931

Sender's Name Jann Gruentzel Phone 904 256-1700

Company FL DEP /NE ROC

Address 8800 Baymeadows Way W Dept/Floor/Suite/Room

City Jacksonville State FL ZIP 32256

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

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☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ NEW FedEx 2Day A.M. — 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 $500.

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

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

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

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

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

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. ☐ 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

[redacted]262 [redacted]

Total Packages ____ Total Weight ____ lbs. Credit Card Auth. ____

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

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