

Killearn Lakes Chain of Lakes

last revised Nov 10, 2015

Central Laboratory Submittal Form

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Robert Wiwi

Project ID: SMP

Collected By:

Curtis Musson, Robert Wiwi

Sampling Agency:

Location Lake Monkey Business Middle	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/29/16 Time 9:00	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID G1WA0036	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 84.5	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET # G1WA0036	Temp (C) 20.52	pH 6.89	Sample Depth 0.3	Sp. Conductance (umho/cm) 61	
Latitude 30.60779	☒ dd ☐ dms	Longitude -84.23076	☒ dd ☐ dms	Salinity (ppt) 0.03	Comments
Location Upper Dianne Lake Middle	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/29/16 Time 10:00	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID G1WA0041	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 83.9	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET # G1WA0041	Temp (C) 20.35	pH 6.88	Sample Depth 0.3	Sp. Conductance (umho/cm) 62	
Latitude 30.59986	☒ dd ☐ dms	Longitude -84.23778	☒ dd ☐ dms	Salinity (ppt) 0.03	Comments
Location Lower Dianne Lake Middle	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/29/16 Time 11:05	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID G1WA0040	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 86.7	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET # G1WA0040	Temp (C) 20.56	pH 6.92	Sample Depth 0.3	Sp. Conductance (umho/cm) 62	
Latitude 30.59355	☒ dd ☐ dms	Longitude -84.23534	☒ dd ☐ dms	Salinity (ppt) 0.03	Comments
Location Petty Gulf Lake at Deerlake Rd. East	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/29/16 Time 11:45	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID G1WA0016	Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 87.5	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)	A
STORET # G1WA0016	Temp (C) 20.50	pH 6.85	Sample Depth 0.3	Sp. Conductance (umho/cm) 55	
Latitude 30.58915	☒ dd ☐ dms	Longitude -84.22637	☒ dd ☐ dms	Salinity (ppt) 0.02	Comments

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
Curtis Musson	3/29/16							3/29/16/2:49

2149

Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-NO2						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	BOD-UNIN						
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
	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	7
	W-PO4-F						

Killearn Lakes Chain of Lakes

Central Laboratory Submittal Form

last revised Nov 10, 2015

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Robert Wiwi

Project ID: SMP

Collected By:

Curtis Musson, Robert Wiwi

Sampling Agency:

Location Pine Hill Lake Middle		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/29/16 Time 12:10		Eastern ☒ Central	Composite end Date Time		Bottle Group(s) (See pg 2) A
Field ID G1WA0054		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 91.7	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		
STORET # G1WA0054		Temp (C) 20.53	pH 6.82	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 46		
Latitude 30.58492	☒ dd ☐ dms	Longitude -84.21950	☒ dd ☐ dms	Salinity (ppt) 0.02	Comments			
Location Lake Tom John Middle		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/29/16 Time 13:10		Eastern ☒ Central	Composite end Date Time		Bottle Group(s) A
Field ID G1WA0043		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 90.2	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		
STORET # G1WA0043		Temp (C) 20.76	pH 7.06	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 61		
Latitude 30.54484	☒ dd ☐ dms	Longitude -84.21478	☒ dd ☐ dms	Salinity (ppt) 0.03	Comments			
Location Killearn Chain of Lakes outlet at Velda Dairy Rd. across from Mint Hill Ct.		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 3/29/16 Time 14:00		Eastern ☒ Central	Composite end Date Time		Bottle Group(s) A
Field ID G1WA0015		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 76.1	☐ mg/L ☒ % sat	Total Res. Chlorine (mg/L)		
STORET # G1WA0015		Temp (C) 19.29	pH 6.59	Sample Depth 0.2	☐ ft ☒ m	Sp. Conductance (umho/cm) 50		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.02	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)		
STORET #		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)		
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Comments			

Relinquished By:	Date/Time	Shipping Method	Received By:	Date/Time	Relinquished By:	Date/Time	Received By:	Date/Time
							SL	3-29-16 / 2:49

Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
ALKALINITY							
TURBIDITY							
W-CL-IC							
W-COLOR							
W-F							
W-NO2							
W-TDS							
W-TSS							
Group: A	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
BOD-UNIN							
Group: A	Bottle Type:	BP-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
CHLSUITE-W							
Group: A	Bottle Type:	P-500ML	# of Bottles: 6	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
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	7
W-PO4-F							

Printed: 3/29/2016 2:53:07 PM

Page 1 of 1

Date of Request: 07-MAR-2016
 Created By: RALYS_B On: 07-MAR-2016
 Modified By: WATTS_J On: 14-MAR-2016
 Customer: WQAP
 Project: SMP
 Division:
 District:
 Sampling Event: Killearn Lakes Chain of Lakes

Send Coolers To:

Phone: 850-245-8443
 2600 Blair Stone Rd
 MS #3560
 Tallahassee, FL 32399-2400
 Attn: Benjamin Ralys

Program Module Number:

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 14-MAR-2016
 Biology Request Reviewed By: SWANSON_C On: 07-MAR-2016
 Sampling Kit Required: YES Ship on: 21-MAR-2016
 Sampling Kit Shipped: YES On: 22-MAR-2016
 Sampling Kit Packed By: MANLEY_J
 Preservatives Needed: YES
 Date to Receive Samples: 29-MAR-2016
 Received By:

Send Final Report To:

2600 Blair Stone Rd
 MS #3560
 Tallahassee, FL 32399-2400
 Attn: Benjamin Ralys

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

Comments: 1 - case of sulfuric acid

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-NO2	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite in aqueous matrices as mg N/L
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: P-1L	Number of Bottles: 6	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
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: ICE And H ₂ SO ₄
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

RQ- 2016-03-28-12

Log-in Checklist

Shipping Method: HDDate/Time of Receipt: 3-29-16/2:49

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	1.7	20		✓			

*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: W

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

Coolers Unpacked/Checked by: W Date: 3/29/16

NCRs (Y/N)? N

Event ID: WQAP-2016-03-29-01

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 – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

Additional Comments: