

Lower Dianne Lake, Upper Dianne Lake, Lake Tom
John, Pine Hill Lake, Lake Monkey Business and
Ochlockonee River

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Robert Wiwi

Project ID: SMP

Collected By:

Robert Wiwi, Justin Wallheiser

Sampling Agency:

ZIFLWQA

Location Lake Tom John Middle		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/13/2016 Time 8:35	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)
Field ID G1WA0042		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.44	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —
STORET # G1WA0043		Temp (C) 31.17	pH 6.88	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 67
Latitude 30.54484	☒ dd ☐ dms	Longitude -84.21478	☒ dd ☐ dms	Salinity (ppt) 0.03	Comments	
Location Upper Dianne Lake Middle		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/13/2016 Time 11:50	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)
Field ID G1WA0041		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.86	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —
STORET # G1WA0041		Temp (C) 31.85	pH 7.34	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 57
Latitude 30.59986	☒ dd ☐ dms	Longitude -84.23778	☒ dd ☐ dms	Salinity (ppt) 0.02	Comments	
Location Lower Dianne Lake Middle		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/13/2016 Time 10:10	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)
Field ID G1WA0040		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.66	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —
STORET # G1WA0040		Temp (C) 31.41	pH 7.46	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 72
Latitude 30.59355	☒ dd ☐ dms	Longitude -84.23534	☒ dd ☐ dms	Salinity (ppt) 0.03	Comments	
Location Pine Hill Lake Middle		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/13/2016 Time 10:55	☒ Eastern ☐ Central	Composite end Date — Time —	Bottle Group(s)
Field ID G1WA0054		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 7.40	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —
STORET # G1WA0054		Temp (C) 31.28	pH 7.43	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 49
Latitude 30.58492	☒ dd ☐ dms	Longitude -84.2195	☒ dd ☐ dms	Salinity (ppt) 0.02	Comments	

Relinquished By: [Signature]	Date/Time 7/13/16 15:18	Shipping Method	Number of Coolers Shipped:	Received By: [Signature]	Date/Time 7-13-16 15:18
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Group: A	Bottle Type: P-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS					
Group: A	Bottle Type: BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
CHLSUITE-W					
Group: A	Bottle Type: P-500ML	# of Bottles: 2	Preservative: HNO3	Enter Number of Bottles Sent to Lab	2
W-ICP W-ICPMS					
Group: A	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type: P-125ML	# of Bottles: 2	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	2
W-PO4-F					
Group: B	Bottle Type: P-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-TDS W-TSS					
Group: B	Bottle Type: BP-1L	# of Bottles: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
CHLSUITE-W					
Group: B	Bottle Type: P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
W-NH3					

Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>4</u>
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					

Group: B	Bottle Type:	P-125ML	# of Bottles: 5	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>4</u>
	W-PO4-F					

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John, Pine Hill Lake, Lake Monkey Business and
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last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Robert Wiwi

Project ID: SMP

Collected By:

Robert Wiwi, Justin Waltheiser

Sampling Agency:

Zi FLWQA

Location Ochlockonee River upstream of SR12		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 7/13/2016 Time 14:05		☒ Eastern ☐ Central		Composite end Date — Time —		Bottle Group(s) (See pg 2)	
Field ID G1WA0038		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.02		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —		A	
STORET # G1WA0038		Temp (C) 28.75		pH 6.94		Sample Depth 0.3		Sp. Conductance (umho/cm) 123			
Latitude 30.67062		☒ dd ☐ dms		Longitude -84.30511		☒ dd ☐ dms		Salinity (ppt) 0.06		Comments	
Location Ochlockonee River 350m upstream of SR12		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 7/13/2016 Time 13:45		☒ Eastern ☐ Central		Composite end Date — Time —		Bottle Group(s)	
Field ID G1WA0042		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.04		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —		A	
STORET # G1WA0042		Temp (C) 28.68		pH 6.93		Sample Depth 0.3		Sp. Conductance (umho/cm) 123			
Latitude 30.6722		☒ dd ☐ dms		Longitude -84.3040		☒ dd ☐ dms		Salinity (ppt) 0.06		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		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		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		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By: 	Date/Time 7/13/16 15:18	Shipping Method	Number of Coolers Shipped:	Received By: 	Date/Time 7-13-16 15:18
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	2
	W-ICP						
	W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 5	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 5	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						

Group: B Bottle Type: P-500ML # of Bottles: 5 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 4

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

Group: B Bottle Type: P-125ML # of Bottles: 5 Preservative: ICE-FLTR Enter Number of Bottles Sent to Lab 4

W-PO4-F

Date of Request: 13-JUN-2016
 Created By: RALYS_B On: 13-JUN-2016
 Modified By: MATTHEWS_D On: 20-JUN-2016
 Customer: WQAP
 Project: SMP
 Division:
 District:

Send Coolers To:

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

Sampling Event: Lower Dianne Lake, Upper Dianne Lake, Lake Tom John, Pine Hill Lake, Lake Monkey Business and Ochlockonee River

Send Final Report To:

2600 Blair Stone Rd
 MS #3560
 Tallahassee, FL 32399-2400
 Attn: Katrina Sanders

Program Module Number:
 Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 17-JUN-2016
 Biology Request Reviewed By: MATTHEWS_D On: 20-JUN-2016
 Sampling Kit Required: YES Ship on: 27-JUN-2016
 Sampling Kit Shipped: YES On: 24-JUN-2016
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 13-JUL-2016
 Received By: SHAIK_A On: 13-JUL-2016

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

Comments: Bottle Group A: freshwater kits including metals
 Bottle Group B: freshwater kits no metals

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-1L	Number of Bottles: 2	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-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: 2	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: 2	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		
Copper		

Bottle Group A (Water) With 2 Samples:

Bottle Type: P-500ML Number of Bottles: 2 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

Lead
 Silver

Bottle Type: P-500ML Number of Bottles: 2 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: 2 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 5 Samples:

Bottle Type: P-1L Number of Bottles: 5 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 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-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: 5 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: 5 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: 5 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-2016-07-11-27

Date/Time of Receipt: 07-13-16 / 15:18

*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.

****Chain of Custody/ Field Sheet(s) Included?** Yes No

****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 _____

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					

**Acid Preserved Samples: pH $\leq$ 2.0? Yes ☒ No ☐ NA ☐ Init: 28

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

Event ID: Lower Dianne Lake, Upper Dianne Lak NCR #
UQAP-2016-07-13-03 (SMP)

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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: