

Tanyard Branch, Little River, Quincy Creek and
Megginis Arm Run

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Sustin Wallheiser

Project ID: SMP

Collected By:

Sustin Wallheiser + Robert Wiwi

Sampling Agency:

FDEP

Location <u>Quincy Creek 100 meters upstream of Ralph Strong rd</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/29/2016</u> Time <u>8:45</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s) (See pg 2)
Field ID <u>G1WA0018</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.36</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>—</u>
STORET # <u>G1WA0018</u>		Temp (C) <u>23.91</u>	pH <u>7.10</u>	Sample Depth <u>0.25</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>61</u>
Latitude <u>30.5832</u>	☐ dd ☐ dms	Longitude <u>-84.5503</u>	☐ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments	
Location <u>Tanyard Branch 100 meters upstream of Ralph Strong rd</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/29/2016</u> Time <u>9:15</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field ID <u>G1WA0005</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>5.05</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>—</u>
STORET # <u>G1WA0005</u>		Temp (C) <u>25.19</u>	pH <u>6.85</u>	Sample Depth <u>0.15</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>186</u>
Latitude <u>30.5832</u>	☒ dd ☐ dms	Longitude <u>-84.5519</u>	☐ dd ☐ dms	Salinity (ppt) <u>0.09</u>	Comments	
Location <u>Quincy Creek upstream of SR 12</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/29/2016</u> Time <u>9:50</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field ID <u>G1WA0019</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>7.46</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>—</u>
STORET # <u>G1WA0019</u>		Temp (C) <u>23.9</u>	pH <u>6.95</u>	Sample Depth <u>0.2</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>58</u>
Latitude <u>30.5923</u>	☒ dd ☐ dms	Longitude <u>-84.5634</u>	☐ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments	
Location <u>Little River 100 meters upstream of SR 12</u>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>6/29/2016</u> Time <u>10:40</u>	<u>Eastern</u> Central	Composite end Date — Time —	Bottle Group(s)
Field ID <u>G1WA0020</u>		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>6.83</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) <u>—</u>
STORET # <u>G1WA0020</u>		Temp (C) <u>25.43</u>	pH <u>6.89</u>	Sample Depth <u>0.3</u>	☐ ft ☒ m	Sp. Conductance (umho/cm) <u>66</u>
Latitude <u>30.5882</u>	☒ dd ☐ dms	Longitude <u>-84.4957</u>	☐ dd ☐ dms	Salinity (ppt) <u>0.03</u>	Comments	

Relinquished By: <u>Sustin Wallheiser</u>	Date/Time <u>6/29/16 12:44</u>	Shipping Method <u>By hand</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>W</u>	Date/Time <u>6/29/16 12:44</u>
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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: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3						

Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>3</u>
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				

Group: B	Bottle Type:	P-125ML	# of Bottles: 3	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab <u>3</u>
	W-PO4-F				

Tanyard Branch, Little River, Quincy Creek and
Megginis Arm Run

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: WQAP

Requester: Benjamin Ralys

Field Report Prepared By:

Project ID: SMP

Collected By: Justin Walther & Robert W. W.

Sampling Agency: FDEP

Location <i>Megginis Arm Run Downstream of shorer</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>6/29/2016</i> Time <i>12:00</i>	☒ Eastern ☐ Central	Composite end Date <i>—</i> Time <i>—</i>	Bottle Group(s) (See pg 2) <i>B</i>	
Field ID <i>GIWA0033</i>		Matrix (type, e.g., Salt, Fresh, etc) <i>Fresh</i>		Diss. Oxygen <i>6.70</i>	☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L) <i>—</i>
STORET # <i>GIWA0033</i>		Temp (C) <i>29.37</i>	pH <i>7.47</i>	Sample Depth <i>0.05</i>	☐ ft ☒ m		Sp. Conductance (umho/cm) <i>210</i>
Latitude <i>30.47852</i>	☒ dd ☐ dms	Longitude <i>-84.29786</i>	☒ dd ☐ dms	Salinity (ppt) <i>0.10</i>	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		
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		
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: <i>Justin Walther</i>	Date/Time <i>6/29/16 12:44</i>	Shipping Method <i>By hand</i>	Number of Coolers Shipped: <i>2</i>	Received By: <i>C</i>	Date/Time <i>6/29/16 12:44</i>
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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: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3						

Group: B	Bottle Type:	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>3</u>
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					

Group: B	Bottle Type:	P-125ML	# of Bottles: 3	Preservative: ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>3</u>
	W-PO4-F					

Date of Request: 06-JUN-2016
 Created By: RALYS_B On: 06-JUN-2016
 Modified By: MATTHEWS_D On: 14-JUN-2016
 Customer: WQAP
 Project: SMP
 Division:
 District:
 Sampling Event: Tanyard Branch, Little River, Quincy Creek and Megginnis Arm Run

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: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 13-JUN-2016
 Biology Request Reviewed By: MATTHEWS_D On: 14-JUN-2016
 Sampling Kit Required: YES Ship on: 17-JUN-2016
 Sampling Kit Shipped: YES On: 16-JUN-2016
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 29-JUN-2016
 Received By: SHAIK_A On: 29-JUN-2016

Send Final Report To:

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

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		

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

Copper
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 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	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: 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

Log-in Checklist

RQ- 2016-06-27-12

Shipping Method: H.D.

Date/Time of Receipt: 06-29-16/12:44

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	2.9°	13		☒			
Blue	3.6°	9		☒			

*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: ABJ

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

Coolers Unpacked/Checked by: ABJ Date: 6-29-16 NCRs (Y/N)?

Event ID: Tanyard Branch, Little River, Quinc

NCR #

WQAP-2016-06-29-02 (SMP)
Date Received: 29-JUN-2016 12:44

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: