

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CHAIN OF CUSTODY FORM

Date: 4/22/2021 **Collected By:** Chris Hormuth, William Mullen
Customer: SO-DIST **Sampling Agency:** FDEP
RQ: RQ-2021-04-19-59 **Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

Number of Coolers Shipped: 1

Delivery Method: FedEx

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
N Arbuckle above Morgan	 G4SD0195
S Arbuckle above Morgan	 G4SD0196
Arbuckle Branch	 G4SD0172
Arbuckle Branch near RR	 G4SD0197
ArbuckleCreekNearBranch	 G4SD0210

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 4/22/2021

1325

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:

**Rec'd/Inspected
Date:**

		RQ-2021-04-19-59					Collected By: Chris Hormuth, William Mullen				
		Customer: FDEP					Field Report Prepared by: Chris Hormuth, William Mullen				
		Project ID: SMP					Sampling Agency: FDEP				
WIN ID/Field ID:  WIN ID/Field ID: G4SD0195					Comments: Microbiology sample(s) submitted to contract laboratory						
Location: N Arbuckle above Morgan					Matrix: Fresh (Check One) ☒ Grab ☐ Composite						
Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT)		
4/22/2021 1040	5.83	69.7	24.3	6.64	0.3	0.5	0.9	175.3	0.08		
Central Lab please use top row for login purposes											
Parameter Suite		Parameter Methods			Preservation		pH Check		# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			Ice H2SO4*		<2				
		Lot #		Exp:							
Metals (P-500ML)		W-ICPMS W-ICP W-HARD			Ice HNO3*		<2				
		Lot #		Exp:							
Filtered Nutrients (P125ML)		W-PO4-F Field Filtered 0.45 µm Filter			Ice						
		Filter Lot #									
		Syringe Lot #									
Chlorophyll (BP-1L)		CHLSUITE-W			Ice						
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS			Ice						
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY			Ice						
Macroinvertebrates (PJ-2L)		MI-FW-QLDC			Ice						
Periphyton (PT-50ML)		ALGAE-ID			Ice						
Microbiology (Contract Lab Bottle)		E Coli F Coli Enterococci			x Ice				1	C	
		Contract Lab									
Molecular (QPCR-P-500ML)		PCR-HF183 PCR-BacR PCR-DG3			Ice						
		PCR-GULL2 PCR-GFD									
Tracers (BG-500ML)		W-E8321-DI W-E8321-MS			Ice						
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI W-E8321-MS W-PSNP-TQ			Ice						
		W-PCL-SQ-R W-CARB-AA (5 ml of MCAA** Buffer Solution) W-DIELDRIN									
Phytoplankton		DTY-QN-C PKD-QN-BV			Ice						



RQ-2021-04-19-59	Collected By: Chris Hormuth, William Mullen
Customer: FDEP	Field Report Prepared by: Chris Hormuth, William Mullen
Project ID: SMP	Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G4SD0196

Location: S Arbuckle above Morgan

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPTH)
4/22/2021 1115	5.5	65.4	24	6.58	0.3	0.5	0.7	177	0.08

Central Lab please use top row for login purposes

Preserved Nutrients (P-500ML)										pH Check		# Bottles sent to Lab		Bottle Group		
Parameter Suite		Parameter Methods						Preservation		pH Check		# Bottles sent to Lab		Bottle Group		
Preserved Nutrients (P-500ML)		W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP						Ice		H2SO4*	<2					
		Lot #			Exp:											
Metals (P-500ML)		W-ICPMS			W-ICP			W-HARD	Ice		HNO3*	<2				
		Lot #			Exp:											
Filtered Nutrients (P125ML)		W-PO4-F			Field Filtered 0.45 um Filter			Ice								
		Filter Lot #														
		Syringe Lot #														
Chlorophyll (BP-1L)		CHLSUITE-W						Ice								
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS						Ice								
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY						Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC						Ice								
Periphyton (PT-50ML)		ALGAE-ID						Ice								
Microbiology (Contract Lab Bottle)		X	E Coli			F Coli			Enterococci				x	Ice	1	C
		X	Contract Lab													
Molecular (QPCR-P-500ML)		PCR-HF183				PCR-BacR			PCR-DG3				Ice			
		PCR-GULL2				PCR-GFD										
Tracers (BG-500ML)		W-E8321-DI				W-E8321-MS			Ice							
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI			W-E8321-MS			W-PSNP-TQ	Ice							
								W-DIELDRIN								
		W-PCL-SQ-R			W-CARB-AA (5 ml of MCAA** Buffer Solution)			W-CT-CL-R								
Phytoplankton		DTY-QN-C				PKD-QN-BV			Ice							

RQ-2021-04-19-59

Collected By: Chris Hormuth, William Mullen



Customer: FDEP

Field Report Prepared by: Chris Hormuth, William Mullen

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G4SD0172

Comments: Microbiology sample(s) submitted to contract laboratory

Location: Arbuckle Branch

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h			
4/22/2021 1200	7.27	87.4	24.5	6.1	0.15	0.3	0.3	240.9	0.11			
Central Lab please use top row for login purposes												
Parameter Suite		Parameter Methods				Preservation		pH Check		# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					Ice		H2SO4*	<2		
		Lot #			Exp:							
Metals (P-500ML)		W-ICPMS			W-ICP		Ice		HNO3*	<2		
		Lot #			Exp:							
Filtered Nutrients (P125ML)		W-PO4-F			Field Filtered 0.45 µm Filter			Ice				
		Filter Lot #										
		Syringe Lot #										
Chlorophyll (BP-1L)		CHLSUITE-W					Ice					
Physical/Aggregate (Fresh) (P-1L)	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS						Ice					
Physical/Aggregate (Marine) (P-1L)	Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY						Ice					
Macroinvertebrates (PJ-2L)	MI-FW-QLDC						Ice					
Periphyton (PT-50ML)	ALGAE-ID						Ice					
Microbiology (Contract Lab Bottle)	X	E Coli			F Coli		Enterococci			x	Ice	
	X	Contract Lab										
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR		PCR-DG3				Ice	
		PCR-GULL2			PCR-GFD							
Tracers (BG-500ML)	X	W-E8321-DI		X	W-E8321-MS			x		Ice	1	B
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS			W-PSNP-TQ			Ice		
							W-DIELDRIN					
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)			W-CT-CL-R					
Phytoplankton		DTY-QN-C			PKD-QN-BV			Ice				

RQ-2021-04-19-59

Collected By: William Mullen, Chris Hormuth



Customer: FDEP

Field Report Prepared by: William Mullen, Chris Hormuth

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G4SD0197

Comments: Microbiology sample(s) submitted to contract laboratory

Location: Arbuckle Branch near RR

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h)			
4/22/2021 1320	5	58.7	23.7	6.32	0.3	0.4	0.9	238.5	0.11			
Central Lab please use top row for login purposes												
Parameter Suite		Parameter Methods				Preservation		pH Check		# Bottles sent to Lab	Bottle Group	
Preserved Nutrients (P-500ML)		W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					Ice		H2SO4*	<2		
		Lot #			Exp:							
Metals (P-500ML)		W-ICPMS			W-ICP		Ice		HNO3*	<2		
		Lot #			Exp:							
Filtered Nutrients (P125ML)		W-PO4-F			Field Filtered 0.45 µm Filter			Ice				
		Filter Lot #										
		Syringe Lot #										
Chlorophyll (BP-1L)		CHLSUITE-W					Ice					
Physical/Aggregate (Fresh) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS					Ice					
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY					Ice					
Macroinvertebrates (PJ-2L)		MI-FW-QLDC					Ice					
Periphyton (PT-50ML)		ALGAE-ID					Ice					
Microbiology (Contract Lab Bottle)	X	E Coli			F Coli		Enterococci	x				Ice
	X	Contract Lab										
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR		PCR-DG3		Ice			
		PCR-GULL2			PCR-GFD							
Tracers (BG-500ML)	X	W-E8321-DI		X	W-E8321-MS		x	Ice				
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI			W-E8321-MS			Ice				
					W-PSNP-TQ							
					W-DIELDRIN							
		W-PCL-SQ-R			W-CARB-AA (5 ml of MCAA** Buffer Solution)			W-CT-CL-R				
Phytoplankton		DTY-QN-C			PKD-QN-BV			Ice				

RQ-2021-04-19-59

Collected By: Chris Hormuth, William Mullen



Customer: FDEP

Field Report Prepared by: Chris Hormuth, William Mullen

Project ID: SMP

Sampling Agency: FDEP

 WIN ID/Field ID: 
 WIN ID/Field ID: G4SD0210

Comments: Microbiology sample(s) submitted to contract laboratory

Location: ArbuckleCreekNearBranch

Matrix: Fresh

(Check One) ☒ Grab ☐ Composite

Date and Time	DO (mg/L)	DO (%SAT)	Temp. ©	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos /cm)	Salinity (PPT _h)						
4/22/2021 1325	6.51	79.7	25.6	6.65	0.3	0.2	1.4	193.2	0.09						
Central Lab please use top row for login purposes															
Parameter Suite		Parameter Methods				Preservation		pH Check		# Bottles sent to Lab	Bottle Group				
Preserved Nutrients (P-500ML)	X	W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*	X	<2	1	A		
	Lot #		SA0353110		Exp:		1/11/22								
Metals (P-500ML)		W-ICPMS			W-ICP		W-HARD		Ice		HNO3*		<2		
	Lot #				Exp:										
Filtered Nutrients (P125ML)	X	W-PO4-F		X	Field Filtered 0.45 µm Filter			X	Ice			1	A		
	Filter Lot #		17162587												
	Syringe Lot #		118593												
Chlorophyll (BP-1L)	X	CHLSUITE-W					X	Ice	1			A			
Physical/Aggregate (Fresh) (P-1L)	X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W- TDS					X	Ice	1			A			
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY						Ice							
Macroinvertebrates (PJ-2L)		MI-FW-QLDC						Ice							
Periphyton (PT-50ML)		ALGAE-ID						Ice							
Microbiology (Contract Lab Bottle)	X	E Coli			F Coli		Enterococci	X	Ice			1	A		
	Contract Lab														
Molecular (QPCR-P-500ML)		PCR-HF183			PCR-BacR		PCR-DG3		Ice						
		PCR-GULL2			PCR-GFD										
Tracers (BG-500ML)		W-E8321-DI			W-E8321-MS				Ice						
Pesticides (BG-500ML) (BG-1L)		W-E8321-DI		W-E8321-MS			W-PSNP-TQ		Ice						
							W-DIELDRIN								
		W-PCL-SQ-R		W-CARB-AA (5 ml of MCAA** Buffer Solution)			W-CT-CL-R								
Phytoplankton		DTY-QN-C			PKD-QN-BV			Ice							

Bill to: Frances Moore
P.O. #: Lab B77880

Laboratory Submission #:	521040647
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Enterococci
E.coli (SM9223B Quantitray)

Laboratory
Sample #[illegible]

Laboratory Sample Acceptability:
pH < 2 : 0 BEAS Temperature: 4.2

1. "Sample Type" is used to indicate whether the sample was a grab (G) or moment (M) sample and is a composite (C).
2. "Sample Matrix" is used to indicate whether the sample is being delivered to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil/sediment (SD/AN/T), or sludge (SL/DG).
3. "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
4. "Comments" is used to indicate any special handling or preservation instructions that are required for the sample.
5. The sample must be refrigerated or stored in a cool box after collection. The maximum temperature during storage should be 6°C (42.8°F). Under "Preservative," list any preservatives that were added to the sample container.
6. Each bottle for a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
7. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection; sampler's name or initials; and any field number or ID.
8. All bottles not containing preservative may be stored with appropriate sample prior to collection.
9. The client is responsible for documentation of the sampling event. Please note: special sampling events on life-sample custody form.

Date _____ Time _____

	Collector:	Date	Time	Received By:	Date	Time
1	William Mullen	04/12/21	1300			
2	Reinquished by: William Mullen	Date: 04/12/21	Time: 1600	Received By: Michaela Murchant	Date: 04/01/21	Time: 1600
3	Reinquished by:	Date:	Time:	Received By:	Date:	Time:
4	Reinquished by:	Date:	Time:	Received By:	Date:	Time:
5	Reinquished by:	Date:	Time:	Received By:	Date:	Time: