

Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: N. Mulky

Project ID: SMP

Collected By: Nathan Mulky / Stefan SladeSampling Agency: NWROC

Location	Location: Rest Area Run below Beaver Dam Ck		G5NW0068 Field ID ↑ STORET ↓		☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>6/19/17</u> Time <u>0920</u> Eastern Central		Composite end Date _____ Time _____ Matrix (type, e.g., Salt, Fresh, etc) _____ Diss. Oxygen <u>6.6</u> ☒ mg/L ☐ % sat Total Res. Chlorine (mg/L) _____ Temp (C) <u>23.3</u> pH <u>6.1</u> Sample Depth <u>0.2</u> ☐ ft ☒ m Sp. Conductance (umho/cm) <u>85</u>		Bottle Group(s) (See pg 2) <u>D/E</u>	
Field ID	RQ-2017-06-19-24 (WBID 542)		G5NW0068		Date: <u>0920</u> CST		Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) ☐ dd ☐ dms		Comments	
STORE	Time: <u>0920</u> CST		G5NW0068							
Location	Location: Ten Mile Ck @ Pine Forest Rd.		G5NW0051 Field ID ↑ STORET ↓		☐ Comp ☒ Grab Collection (comp begin or grab) Date <u>6/19/17</u> Time <u>1020</u> Eastern Central		Composite end Date _____ Time _____ Matrix (type, e.g., Salt, Fresh, etc) _____ Diss. Oxygen <u>8.0</u> ☒ mg/L ☐ % sat Total Res. Chlorine (mg/L) _____ Temp (C) <u>24.8</u> pH <u>6.5</u> Sample Depth <u>0.2</u> ☐ ft ☒ m Sp. Conductance (umho/cm) <u>60</u>		Bottle Group(s) <u>A/D/E</u> <u>F</u>	
Field ID	RQ-2017-06-19-24 (WBID 489A)		G5NW0051		Date: <u>1020</u> CST		Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) ☐ dd ☐ dms		Comments	
STORE	Time: <u>1020</u> CST		G5NW0051							
Location					☐ Comp ☐ Grab Collection (comp begin or grab) Date _____ Time _____ 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) _____		Bottle Group(s)	
Field ID					Date _____		Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) ☐ dd ☐ dms		Comments	
STORE #										
Location					☐ Comp ☐ Grab Collection (comp begin or grab) Date _____ Time _____ 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) _____		Bottle Group(s)	
Field ID					Date _____		Latitude ☐ dd ☐ dms Longitude ☐ dd ☐ dms Salinity (ppt) ☐ dd ☐ dms		Comments	
STORE #										

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				<u>ASB</u>	<u>6-20-17 / 10-10</u>

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP W-ICPMS						
Group: A	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: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-AHERB-AA W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-CT-CI-R W-PCL-SQ-R						
Group: B	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-PSNP-TQ						

Group: C	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: C	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W					
Group: C	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NH3					
	W-NO2NO3					
	W-S-A-TP					
	W-TKN					
	W-TOC					
Group: C	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab
	W-PO4-F					
Group: D	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab 2
	NW-UWF-ECQ					
Group: D	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab 2
	W-AHERB-AA					
	W-SUC-AA-R					
	W-UHERB-AA					
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab 4
	PCR-FILTER					
	PCR-GULL2					
Group: F	Bottle Type:	PT-50ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab /
	ALGAL_ID					
Group: F	Bottle Type:	PJ-2L	# of Bottles: 2	Preservative:	Formalin	Enter Number of Bottles Sent to Lab 2
	MI-FW-QLDC					

Document Reference # 0510

Project: FDEP

Laboratory: Wetlands Research Laboratory

Sampler's initials :

Method of transport: Drop off on ice by automobile

Samples delivered by: [Signature] FDEP

Sample received by: Asensio of WRL

Page 1 of 1

Date/Time: 08/11/11 12:00

Date/Time: 6/17/11 12:00

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport. If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

CST

[illegible]

Comments _____ sample container lot# L15183

RQ-2017-06-19-24

Contact organization FDEP

Contact name

Phone: (850) 595-8300

Address 160 Governmental Center, suite 308, Pensacola, FL 32502

Sampler's name:

¹Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment, X =

²Type codes: G = grab, C = composite, X =

³ Recorded using IRT-2

Date of Request: 23-MAY-2017
 Created By: KING_M On: 23-MAY-2017
 Modified By: MATTHEWS_D On: 06-JUN-2017
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: Pens/Cant Run WBID489A 542 586 531

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King

Program Module Number:

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 05-JUN-2017
 Biology Request Reviewed By: MATTHEWS_D On: 06-JUN-2017
 Sampling Kit Required: YES Ship on: 08-JUN-2017
 Sampling Kit Shipped: YES On: 08-JUN-2017
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 19-JUN-2017
 Received By: SHAIK_A On: 20-JUN-2017

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

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

Comments:**Bottle Group A (Water) With 1 Samples:**

Bottle Type: P-1L	Number of Bottles: 1	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-SO ₄ -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: 1	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: 1	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 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	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: 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 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

Bottle Group B (Water) With 1 Samples:

Bottle Type: BG-1L	Number of Bottles: 2	Preserved With: ICE
W-AHERB-AA	Template:	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-GLYPH	Template: DEFAULT	(EPA 8321B) Glyphosate in water matrices by HPLC/MS/MS
W-PYR-AA-R	Template: DEFAULT	(EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Template: DEFAULT	(EPA 8270D) Organochlorine pesticides in water matrices by GC/MS-SIM
Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-PSNP-TQ	Template: DEFAULT	(EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Bottle Group C (Water) With 2 Samples:

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: 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 Type: P-1L	Number of Bottles: 2	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-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 Group D (Water) With 2 Samples:

Bottle Type: TEST HAS NO	Number of Bottles: 2	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Overflow Laboratory for NWD
Bottle Type: BG-1L	Number of Bottles: 2	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(USGS O-2060-01) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS
W-SUC-AA-R	Template: DEFAULT	(EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(USGS O-2060-01) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group E (Water) With 2 Samples:

Bottle Group E (Water) With 2 Samples:

Bottle Type: QPCR-P-250ML Number of Bottles: 4 Preserved With: ICE
PCR-FILTER Template: DEFAULT (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
PCR-GULL2 Template: DEFAULT (SOP-PCR-1.2) Detection and quantification of coastal bird specific *Catelliboccus marimammalium*
genetic marker with quantitative polymerase chain reaction

Bottle Group F (Biological) With 1 Samples:

Bottle Type: PT-50ML Number of Bottles: 1 Preserved With: ICE
ALGAL_ID Template: DEFAULT (SOP-AB05) Qualitative assessment of algal taxa present without counts
Bottle Type: PJ-2L Number of Bottles: 2 Preserved With: Formalin
MI-FW-QLDC Template: DEFAULT (SOP-IZ06) No. Taxa of FW macroinverts, qual samp, 20 dipnets.

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

RQ- 2017-06-19-24

Log-in Checklist

Shipping Method: FEDEXDate/Time of Receipt: 06-20-17/10-10

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape		Tracking # (fill out only if waybill copy is damaged)	
			Present? Yes	No	*Intact? Yes	No
<u>Red</u>	<u>1.7C</u>	<u>12</u>		☒		<u>845 9551 8237</u>

*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			W-CT-CI-R		

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: ATB

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

Coolers Unpacked/Checked by: ATB Date: 6-20-17 NCRs (Y/N)?

Event ID: Pens/Cant Run WBID489A 542 586 531

NCR #

NW-DIST-2017-06-20-02 (SMP)

Date Received: 20-JUN-2017 10:10

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: