

Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By: F. BUTERA

Project ID: SMP

Collected By: NATHAN MUCKEY, Frank BUTERA

Sampling Agency: FE DEP - NW ROC

Location	Location: Turkey Creek abv Eglin Rd 232	G3NW0093 Field ID STORET	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/2017 Time 10:05	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
Field ID			Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET #	RQ-2017-02-13-28(WBID 495) Date: Time: CST		Temp (C) 18.7	pH 4.6	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 17	A
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt) 0.0	Comments: Duplicate to BLANK collected at site				
Location	Location: Turkey Creek abv Eglin Rd 232	G3NW0093DUPLICATE Field ID STORET	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/2017 Time 10:10	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)		A
STORET #	RQ-2017-02-13-28(WBID 495) Date: Time: CST		Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments				
Location	Location: FIELD BLANK	FIELD BLANK Field ID	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/2017 Time 10:15	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)		A
STORET #	RQ-2017-02-13-28 Date: Time: CST		Temp (C) 19.7	pH 6.9	Sample Depth 0.5	☐ ft ☒ m	Sp. Conductance (umho/cm) 132	
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt) 0.1	Comments: @ Turkey Creek abv. E.R. 232 G3NW0093				
Location	Location: Deer Moss Creek above College Blvd	G3NW0045 Field ID STORET	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/28/17 Time 10:45	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)		A
STORET #	RQ-2017-02-13-28(WBID 620) Date: Time: CST		Temp (C) 19.7	pH 6.9	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 132	
Latitude	☐ dms	☐ dd ☐ dms	Salinity (ppt)	Comments				

Relinquished By: FBUTERA	Date/Time: 2/28/2017	Shipping Method: FE/EX	Number of Coolers Shipped: 3	Received By: [Signature]	Date/Time: 03/01/17 10:05a
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Group: A	Bottle Type:	P-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 8	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 8	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	4
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-AHERB-AA						
	W-GLYPH						
	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-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: B	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	
	W-PYR-AA-R						
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	
	W-ICP						
	W-ICPMS						

Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

FIREWATER

Project ID: SMP

Collected By:

D. MURKIN, F. BUTERA

Sampling Agency:

DEP - NWROC

Location	Field ID	STORET #	Latitude	Location	Field ID	STORET #	Latitude	Location	Field ID	STORET #	Latitude	Location	Field ID	STORET #	Latitude	
Location: Bass Lk Drainage Mooney Dr Head RQ-2017-02-13-28(WBID 786A) Date: Time: CST	G3NW0097 Field ID ↑ STORET ↓		☐ dms	Location: Mill Creek above John Sims Pkwy RQ-2017-02-13-28(WBID 644) Date: Time: CST	G3NW0125 Field ID ↑ STORET ↓		☐ dms	Location: Juniper Creek @ Hwy 85 RQ-2017-02-13-28(WBID 468A) Date: Time: CST	G3NW0095 Field ID ↑ STORET ↓		☐ dms					
☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/27/2017 Time 11:35	Eastern Central	Composite end Date	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/27/17 Time 13:40	Eastern Central	Composite end Date	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 2/27/17 Time 14:10	Eastern Central	Composite end Date	☐ Comp ☐ Grab	Collection (comp begin or grab) Date	Eastern Central	Composite end Date	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc) FRESH	Diss. Oxygen 6.4	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Matrix (type, e.g., Salt, Fresh, etc) FRESH	Diss. Oxygen 9.2	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	Matrix (type, e.g., Salt, Fresh, etc) FRESH	Diss. Oxygen 8.9	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)					
Temp (C) 19.1	pH 6.4	Sample Depth 0.3	☐ ft ☒ m	Temp (C) 20.9	pH 6.5	Sample Depth 0.2	☐ ft ☒ m	Temp (C) 19.0	pH 5.2	Sample Depth 0.3	☐ ft ☒ m					
Salinity (ppt) 0.1	Comments			Salinity (ppt) 0.0	Comments			Salinity (ppt) 0.0	Comments							
Bottle Group(s) (See pg 2) A B C				Bottle Group(s) A				Bottle Group(s) A								

Relinquished By: FBS	Date/Time 2/27/2017	Shipping Method Fed Ex	Number of Coolers Shipped: 3	Received By: FBS	Date/Time 03/01/17 10:20am
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Group: A	Bottle Type:	P-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 8	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 8	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-AHERB-AA						
	W-GLYPH						
	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	4
	W-PCL-SQ-R						
Group: B	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	W-PSNP-TQ						
Group: B	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-PYR-AA-R						
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP						
	W-ICPMS						

Date of Request: 19-JAN-2017
 Created By: KING_M On: 19-JAN-2017
 Modified By: MATTHEWS_D On: 15-FEB-2017
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: Eglin West WBID 468A 495 644 489A 843A 620

Send Coolers To:

Phone: SC-695-0605
 160 W Government St
 Suite 208A
 Pensacola, FL 32502-5794
 Attn: Michael King

Program Module Number: 1306
 Priority: 3
 Event Status: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 15-FEB-2017
 Biology Request Reviewed By: MATTHEWS_D On: 15-FEB-2017
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped: YES On: 08-FEB-2017
 Sampling Kit Packed By: WATTS_J
 Preservatives Needed: NO
 Date to Receive Samples: 13-FEB-2017
 Received By:

Send Final Report To:

160 W Government St
 Suite 208A
 Pensacola, FL 32502-5794
 Attn: Michael King

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

Comments:

Bottle Group A (Water) With 8 Samples:

Bottle Type: P-1L	Number of Bottles: 8	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-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 Type: BP-1L	Number of Bottles: 8	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: 8	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	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: 8	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: 1	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-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

Bottle Group B (Water) With 1 Samples:

Bottle Type: BG-500ML Number of Bottles: 4 Preserved With: ICE
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 Type: BG-1L Number of Bottles: 1 Preserved With: ICE
W-PYR-AA-R Template: DEFAULT (EPA 8321B) Pyraclostrobin in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-500ML Number of Bottles: 1 Preserved With: HNO3
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
Lead
Silver

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

Log-in Checklist

RQ-2017-02-13-28

Shipping Method: Fedex

Date/Time of Receipt: 10:25 am 03/01/17

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	Yes	No		
Red	-1.2	6		✓			809478024196
Red	-0.6	20		✓			810412612832
Red	1.1	13		✓			809478024188

*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: 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: 03/01/17 NCRs (Y/N)? N

Event ID: NW-DIST-2017-03-01-01 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 – 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: