

From: Schang, Zachary
Sent: Thursday, June 2, 2016 4:08 PM
To: Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Holland, Kathryn <Kathryn.Holland@dep.state.fl.us>
Subject: RE: RQ-2016-05-30-29

You are correct, conductivity was reported in mmhos/cm instead of umhos/cm.

We will make sure we report in umhos/cm in the future.

Sorry for the inconvenience.

Zach

*Zachary Schang
Environmental Specialist
Northwest Florida Aquatic Preserves
Florida Coastal Office
Florida Department of Environmental Protection
850-595-0599 (o)
850-324-1666 (c)*

From: Bunch, Cheryl
Sent: Thursday, June 2, 2016 3:24 PM
To: Holland, Kathryn <Kathryn.Holland@dep.state.fl.us>; Schang, Zachary <Zachary.Schang@dep.state.fl.us>
Subject: RE: RQ-2016-05-30-29

Zach,
Hello. Could you please help out with this inquiry.
Thank you,
Cheryl

From: Holland, Kathryn
Sent: Thursday, June 02, 2016 2:15 PM
To: Bunch, Cheryl
Subject: RQ-2016-05-30-29

Cheryl,

It looks like the conductivity reported on this field sheet is in units of mmhos/cm and not umhos/cm. I.e., for the first sample (with field ID 1), it is reported as 16.11 but perhaps should be 16,110. Can you please clarify what the units for the specific conductance actually are?

Thanks,

Kathryn

Project Greenshores

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: NW-DIST

Requester: Cheryl Bunch

Field Report Prepared By:

Project ID: DISTRICT

Collected By:

Sampling Agency:

Location <i>Ranger Marker East of Texas</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>5/31/16</i> Time <i>10:15</i>		Eastern <i>Central</i>	Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)
Field ID <i>1</i>	Matrix (type, e.g., Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>6.24</i>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET # <i>3302H326S1</i>	Temp (C) <i>27.4</i>	pH <i>7.61</i>	Sample Depth <i>.15</i>	☐ ft ☒ m	Sp. Conductance (umho/cm) <i>16.11</i>			
Latitude <i>30°25'13"</i>	☐ dd ☒ dms	Longitude <i>87°10'59.5"</i>	☐ dd ☒ dms	Salinity (ppt) <i>9.31</i>	Comments			
Location <i>1/2 Bridge and Muscogee</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>5/31/16</i> Time <i>10:28</i>		Eastern <i>Central</i>	Composite end Date _____ Time _____		Bottle Group(s)
Field ID <i>2</i>	Matrix (type, e.g., Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>7.46</i>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET # <i>3302J86S2</i>	Temp (C) <i>27.46</i>	pH <i>7.87</i>	Sample Depth <i>.15</i>	☐ ft ☒ m	Sp. Conductance (umho/cm) <i>16.70</i>			
Latitude <i>30°25'42.2"</i>	☐ dd ☒ dms	Longitude <i>87°11'37"</i>	☐ dd ☒ dms	Salinity (ppt) <i>9.85</i>	Comments			
Location <i>E. of Rimsy Stormdrain PGS1</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>5/31/16</i> Time <i>10:34</i>		Eastern <i>Central</i>	Composite end Date _____ Time _____		Bottle Group(s)
Field ID <i>3</i>	Matrix (type, e.g., Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>6.73</i>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET # <i>3302J26S3</i>	Temp (C) <i>26.75</i>	pH <i>7.69</i>	Sample Depth <i>.15</i>	☐ ft ☒ m	Sp. Conductance (umho/cm) <i>19.64</i>			
Latitude <i>30°24'58"</i>	☐ dd ☒ dms	Longitude <i>87°11'39.3"</i>	☐ dd ☒ dms	Salinity (ppt) <i>11.92</i>	Comments			
Location <i>100ft S. of Stormdrain</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>5/31/16</i> Time <i>10:39</i>		Eastern <i>Central</i>	Composite end Date _____ Time _____		Bottle Group(s)
Field ID <i>4</i>	Matrix (type, e.g., Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>6.82</i>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)			
STORET # <i>3302J26S4</i>	Temp (C) <i>27.36</i>	pH <i>7.73</i>	Sample Depth <i>.15</i>	☐ ft ☒ m	Sp. Conductance (umho/cm)			
Latitude <i>30°25'0"</i>	☐ dd ☒ dms	Longitude <i>87°11'47.8"</i>	☐ dd ☒ dms	Salinity (ppt) <i>11.79</i>	Comments			

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				<i>cu</i>	<i>6/1/16 1:40 pm</i>

Group: A	Bottle Type:	P-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
BOD-UNIN						
Group: A	Bottle Type:	BP-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
CHLSUITE-W						
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
NW-UWF-ENT						
NW-UWF-FC						
Group: A	Bottle Type:	P-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
TURBIDITY						
W-COLOR						
W-TSS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 16	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
W-NH3						
W-NO2NO3						
W-S-A-TP						
W-TKN						

Central Laboratory Submittal Form

Customer: NW-DIST

Project ID: DISTRICT

Requester: Cheryl Bunch

Collected By: Zach Schary

Field Report Prepared By: Zach Schary

Sampling Agency: FDEP

Location End of Chase St		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/16 Time 10:53	Eastern ☒ Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID 5	Matrix (type, e.g., Salt, Fresh, etc) salt	Diss. Oxygen 7.13	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET # 3302J2G55	Temp (C) 27.71	pH 7.88	Sample Depth .15	☐ ft ☒ m	Sp. Conductance (umho/cm) 20.78	
Latitude 30°24'55.9"	☐ dd ☒ dms	Longitude 87°11'52.9"	☐ dd ☒ dms	Salinity (ppt) 12.15	Comments	
Location FB End of Chase St		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/16 Time 10:55	Eastern ☒ Central	Composite end Date Time	Bottle Group(s)
Field ID 5	Matrix (type, e.g., Salt, Fresh, etc) salt FB	Diss. Oxygen 7.38	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET # 3302J2G55	Temp (C) 27.83	pH 7.89	Sample Depth .15 FB	☐ ft ☒ m	Sp. Conductance (umho/cm) 16.71	
Latitude 30°24'55.9"	☐ dd ☒ dms	Longitude 87°11'52.9"	☐ dd ☒ dms	Salinity (ppt) 9.98	Comments	
Location 1/2 Moscoese and Hawkshaw 900ft from shore		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/16 Time 11:01	Eastern ☒ Central	Composite end Date Time	Bottle Group(s)
Field ID 6	Matrix (type, e.g., Salt, Fresh, etc) salt	Diss. Oxygen 7.38	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET # 3302J1G56	Temp (C) 27.83	pH 7.89	Sample Depth .15	☐ ft ☒ m	Sp. Conductance (umho/cm) 16.71	
Latitude 30°24'47.4"	☐ dd ☒ dms	Longitude 87°12'0"	☐ dd ☒ dms	Salinity (ppt) 9.98	Comments	
Location 1/2 Bridge and Port		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/16 Time 11:08	Eastern ☒ Central	Composite end Date Time	Bottle Group(s)
Field ID 7	Matrix (type, e.g., Salt, Fresh, etc) salt	Diss. Oxygen 7.56	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)		
STORET # 3302J8G57	Temp (C) 27.66	pH 7.91	Sample Depth .15	☐ ft ☒ m	Sp. Conductance (umho/cm) 16.43	
Latitude 30°24'16.5"	☐ dd ☒ dms	Longitude 87°11'52.1"	☐ dd ☒ dms	Salinity (ppt) 9.75	Comments	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By: a	Date/Time 6/1/16 1:40pm
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Group: A	Bottle Type:	P-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
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BOD-UNIN

Group: A	Bottle Type:	BP-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
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CHLSUITE-W

Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
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NW-UWF-ENT

NW-UWF-FC

Group: A	Bottle Type:	P-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
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TURBIDITY

W-COLOR

W-TSS

Group: A	Bottle Type:	P-500ML	# of Bottles: 16	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
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W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Cheryl Bunch

Field Report Prepared By:

Zach Schang

Project ID: DISTRICT

Collected By:

Zach Schang

Sampling Agency:

FDEP

Location West of Stormdrain Inside Rocks	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/16 Time 10:46	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID 330252658 8	Matrix (type, e.g., Salt, Fresh, etc) salt	Diss. Oxygen 6.77	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # 330252658	Temp (C) 27.73	pH 7.58	Sample Depth .15	Sp. Conductance (umho/cm) 20.00	
Latitude 30°24'59.5" ☐ dd ☒ dms	Longitude 87°11'52.7" ☐ dd ☒ dms	Salinity (ppt) 11.75	Comments		
Location West end of Hanksen 100ft S of Outfall	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/16 Time 11:24	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID 9	Matrix (type, e.g., Salt, Fresh, etc) salt	Diss. Oxygen 7.46	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # 330251659	Temp (C) 28.22	pH 7.84	Sample Depth .15	Sp. Conductance (umho/cm) 15.95	
Latitude 30°24'34" ☐ dd ☒ dms	Longitude 87°12'12.5" ☐ dd ☒ dms	Salinity (ppt) 9.21	Comments		
Location Between Marina and Outfall	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/16 Time 11:23	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID 10	Matrix (type, e.g., Salt, Fresh, etc) salt	Diss. Oxygen 7.42	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # 3302576510	Temp (C) 28.46	pH 7.89	Sample Depth .15	Sp. Conductance (umho/cm) 17.55	
Latitude 30°24'29.5" ☐ dd ☒ dms	Longitude 87°12'18.1" ☐ dd ☒ dms	Salinity (ppt) 10.46	Comments		
Location Entrance of Marina	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 5/31/16 Time 11:17	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID 11	Matrix (type, e.g., Salt, Fresh, etc) salt	Diss. Oxygen 7.20	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # 3302576511	Temp (C) 27.82	pH 7.80	Sample Depth .15	Sp. Conductance (umho/cm) 19.35	
Latitude 30°24'27.7" ☐ dd ☒ dms	Longitude 87°12'26.8" ☐ dd ☒ dms	Salinity (ppt) 11.47	Comments		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
				ca	6/1/16 1:40pm

Group: A	Bottle Type:	P-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
BOD-UNIN						
Group: A	Bottle Type:	BP-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
CHLSUITE-W						
Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
NW-UWF-ENT						
NW-UWF-FC						
Group: A	Bottle Type:	P-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
TURBIDITY						
W-COLOR						
W-TSS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 16	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
W-NH3						
W-NO2NO3						
W-S-A-TP						
W-TKN						

Central Laboratory Submittal Form

Customer: NW-DIST

Project ID: DISTRICT

Requester: Cheryl Bunch

Collected By: Zach Schang

Field Report Prepared By: Zach Schang

Sampling Agency: FDEP

Location <i>1/4 Between Bridge and Port</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>5/31/16</i> Time <i>11:2</i>	Eastern <i>Central</i>	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID <i>12</i>	Matrix (type, e.g., Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>7.50</i>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # <i>3302J7GS12</i>	Temp (C) <i>28.53</i>	pH <i>7.94</i>	Sample Depth <i>.15</i>	☐ ft ☒ m	Sp. Conductance (umho/cm) <i>16.61</i>	
Latitude <i>30°24'20.5"</i>	☐ dd ☒ dms	Longitude <i>87°12'13.2"</i>	☐ dd ☒ dms	Salinity (ppt) <i>9.75</i>	Comments	
Location <i>Inside Hawkshaw Lagoon</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>5/31/16</i> Time <i>11:38</i>	Eastern <i>Central</i>	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <i>13</i>	Matrix (type, e.g., Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>5.46</i>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # <i>3302J1HL1</i>	Temp (C) <i>28.15</i>	pH <i>7.19</i>	Sample Depth <i>.15</i>	☐ ft ☒ m	Sp. Conductance (umho/cm) <i>17.05</i>	
Latitude <i>30°24'43.6"</i>	☐ dd ☒ dms	Longitude <i>87°12'8.7"</i>	☐ dd ☒ dms	Salinity (ppt) <i>9.94</i>	Comments	
Location <i>Inside Hawkshaw Lagoon</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>5/31/16</i> Time <i>11:45</i>	Eastern <i>Central</i>	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <i>13 duplicate</i>	Matrix (type, e.g., Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>5.64</i>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # <i>3302J3HL1</i>	Temp (C) <i>28.31</i>	pH <i>7.20</i>	Sample Depth <i>.15</i>	☐ ft ☒ m	Sp. Conductance (umho/cm) <i>16.89</i>	
Latitude <i>30°24'43.6"</i>	☐ dd ☒ dms	Longitude <i>87°12'8.7"</i>	☐ dd ☒ dms	Salinity (ppt) <i>9.86</i>	Comments	
Location <i>East of Stormdrain</i>		☐ Comp ☒ Grab	Collection (comp begin or grab) Date <i>5/31/16</i> Time <i>11:52</i>	Eastern <i>Central</i>	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <i>14</i>	Matrix (type, e.g., Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>7.79</i>		☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
STORET # <i>3302J1GS7</i>	Temp (C) <i>28.57</i>	pH <i>7.80</i>	Sample Depth <i>.15</i>	☐ ft ☒ m	Sp. Conductance (umho/cm) <i>14.34</i>	
Latitude <i>30°24'42"</i>	☐ dd ☒ dms	Longitude <i>87°12'4.3"</i>	☐ dd ☒ dms	Salinity (ppt) <i>8.29</i>	Comments	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By: <i>C</i>	Date/Time <i>6/1/16 1:40pm</i>
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Group: A	Bottle Type:	P-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
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BOD-UNIN

Group: A	Bottle Type:	BP-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
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CHLSUITE-W

Group: A	Bottle Type:	TEST HAS NO BOTTLE	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
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NW-UWF-ENT

NW-UWF-FC

Group: A	Bottle Type:	P-1L	# of Bottles: 16	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
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TURBIDITY

W-COLOR

W-TSS

Group: A	Bottle Type:	P-500ML	# of Bottles: 16	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
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W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Project: FDEP (Green Shores)

Laboratory: Wetlands Research Laboratory

Sampler's initials: JA

Method of transport: _____ on ice by automobile _____

Page 1 of 1

Samples delivered by: Scrubber Unit of FDEP

Date/Time: 5/31/16 1:350

Sample received by: Jeanyson of WRL

Date/Time: 5/31/16 1:350

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.

Lab ID	Sample ID	Matrix ¹	Type ²	Container Type	Analyses Requested	Preservative	Sample (°C) ³	Sampling Date/Time
<u>41382</u>	#1-Pensacola Bay-3302H3GS1	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O3	<u>2.9</u>	5/31/2016 / <u>1015</u>
<u>41383</u>	#2-Pensacola Bay-3302J8GS2	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O4	<u>3.2</u>	5/31/2016 / <u>1028</u>
<u>41384</u>	#3-Pensacola Bay-3302J2GS3	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O5	<u>3.4</u>	5/31/2016 / <u>1034</u>
<u>41385</u>	#4-Pensacola Bay-3302J2GS4	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O6	<u>2.6</u>	5/31/2016 / <u>1039</u>
<u>41386</u>	#5-Pensacola Bay-3302J2GS5	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O7	<u>2.5</u>	5/31/2016 / <u>1053</u>
<u>41387</u>	#6-Pensacola Bay-3302J1GS6	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O8	<u>2.6</u>	5/31/2016 / <u>1101</u>
<u>41388</u>	#7-Pensacola Bay-3302J8GS7	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O9	<u>1.9</u>	5/31/2016 / <u>1108</u>
<u>41389</u>	#8-Pensacola Bay-3302J2GS8	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O10	<u>2.8</u>	5/31/2016 / <u>1046</u>
<u>41390</u>	#9-Pensacola Bay-3302J1GS9	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O11	<u>2.7</u>	5/31/2016 / <u>1129</u>
<u>41391</u>	#10-Pensacola Bay-3302J7GS10	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O12	<u>2.9</u>	5/31/2016 / <u>1123</u>
<u>41392</u>	#11-Pensacola Bay-3302J7GS11	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O13	<u>2.4</u>	5/31/2016 / <u>1117</u>
<u>41393</u>	#12-Pensacola Bay-3302J7GS12	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O14	<u>1.9</u>	5/31/2016 / <u>1112</u>
<u>41394</u>	#13-Pensacola Bay/Hawkshaw Lagoon-3302J1HL1	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O15	<u>1.2</u>	5/31/2016 / <u>1138</u>
<u>41395</u>	#14-Pensacola Bay-3302J1GS7	SW	G	Sterile plastic	EPA 1600 & SM 9222D	ice/Na2S2O16	<u>3.3</u>	5/31/2016 / <u>1152</u>

Comments sample container lot# L15183

RQ-2016-05-30-29

Contact organization FDEP

Contact name Zachary Schang

Phone: (850) 595-0599

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

Sampler's name: Zach Schang

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: 11-MAY-2016
 Created By: BUNCH_CA On: 11-MAY-2016
 Modified By: WATTS_J On: 11-MAY-2016
 Customer: NW-DIST
 Project: DISTRICT
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: Project Greenshores

Send Coolers To:

Phone: SC-695-8300
 160 Government Center
 Suite 308
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 11-MAY-2016
 Biology Request Reviewed By: SWANSON_C On: 11-MAY-2016
 Sampling Kit Required: YES Ship on: 20-MAY-2016
 Sampling Kit Shipped: YES On: 19-MAY-2016
 Sampling Kit Packed By: REYNOLDS_T
 Preservatives Needed: NO
 Date to Receive Samples: 30-MAY-2016
 Received By:

Send Final Report To:

160 Government Center
 Suite 308
 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 16 Samples:**

Bottle Type: P-1L	Number of Bottles: 16	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
Bottle Type: BP-1L	Number of Bottles: 16	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 16	Preserved With: ICE
NW-UWF-ENT	Template: DEFAULT	(EPA 1600 (MF)) Enterococci by membrane filter method by UWF Overflow Laboratory for NWD
NW-UWF-FC	Template: DEFAULT	(SM 9222 D) Fecal coliforms by membrane filter method by UWF Overflow Laboratory for NWD
Bottle Type: P-1L	Number of Bottles: 16	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: P-500ML	Number of Bottles: 16	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

RQ- 2016-05-30-29

Log-in Checklist

Shipping Method: FedexDate/Time of Receipt: 6/1/16 1:40pm

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	
Red	5.8	16		✓			8100 1918 4132
Red	5.2	16		✓			8100 1918 4143
Red	5.6	16		✓			8100 1918 4121
Red	5.8	14		✓			8100 1918 4154

*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 $\leq$ 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: a Date: 6/1/16

NCRs (Y/N)? N

Event ID: NW-DIST-2016-06-01-01

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 J

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: