

Klug, Kyle

From: Ayres, Joshua
Sent: Tuesday, August 6, 2019 4:37 PM
To: Steinbock, Bettina; Savage, Jacqueline; Thompson, Michael
Cc: Klug, Kyle; Bowden, Magan; Reaves, Shawn D
Subject: Samples logged into wrong RQ

Importance: High

All –

Due to a login error, the following samples were accidentally included in the wrong RQ and have been re-logged into the correct RQ. NCR# 7839

Old (Wrong RQ)	
NE-DIST-2019-07-26-01	
2106312	metals
2106291	Chl
2106280	Alk, Turb, BR, F, Tss, TDS
2106282	NO2NO3,NH3, TP, TKN, TOC
2106284	PO4
2106296	NE-ALS-ENQ

New (correct RQ)	
NE-DIST-2019-08-06-01	
2108988	metals
2108986	Chl
2108983	Alk, Turb, BR, F, Tss, TDS
2108984	NO2NO3,NH3, TP, TKN, TOC
2108985	PO4
2108987	NE-ALS-ENQ

All data generated for the “old” sample IDs will need to be transferred to the “new” sample IDs. Once transferred, I’ll cancel the old sample IDs and close out the NCR.

Magan - Sample 2106296 needs to be unauthorized and added to the NCR then cancelled.



JOSHUA AYRES
Environmental Specialist III
DEP Laboratories
Voice: 850.245.8206
joshua.Ayres@dep.state.fl.us

Klug, Kyle

From: Parrish, Jeremy M.
Sent: Tuesday, August 6, 2019 1:20 PM
To: Klug, Kyle; Watts, John
Cc: Bunch, Cheryl
Subject: FW: Site data put under incorrect RQ event in LIMs
Attachments: RQLIMSissuse.JPG; Fieldsheets_07252019.pdf

Kyle will you log in G2NE1179 under 2019-07-22-08 and not 2019-07-22-10
See attached

Jeremy

From: Davis, Brian G. <Brian.G.Davis@dep.state.fl.us>
Sent: Tuesday, August 6, 2019 12:02 PM
To: Watts, John <John.Watts@FloridaDEP.gov>
Cc: Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>
Subject: Site data put under incorrect RQ event in LIMs

Hey John,

So Cheryl was doing some QC work today and she found that the data for site G2NE1179 was put under RQ-2019-07-22-10 in LIMs mistakenly when it should have been included as second event under the RQ-2019-07-22-08. We sent the single sample in a cooler with samples from the other RQ that day so it was just a mix up. How can we go about fixing this?

Brian Davis
Environmental Specialist II
Department of Environmental Assessment and Restoration
FDEP - North East District
904-256-1541

Klug, Kyle

From: Bunch, Cheryl
Sent: Wednesday, August 7, 2019 3:46 PM
To: Ayres, Joshua; Parrish, Jeremy M.
Cc: Klug, Kyle; Davis, Brian G.; Watts, John
Subject: RE: Site data put under incorrect RQ event in LIMs

Okay. Thank you.

From: Ayres, Joshua
Sent: Wednesday, August 07, 2019 2:36 PM
To: Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>
Cc: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Davis, Brian G. <Brian.G.Davis@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: Site data put under incorrect RQ event in LIMs

Yes. RQ-2019-07-22-08

But I can't cancel G2NE1179 out of LIMs (RQ-2019-07-22-10) until the data has been transferred to RQ-2019-07-22-08.



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From: Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>
Sent: Wednesday, August 7, 2019 15:30
To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>
Cc: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Davis, Brian G. <Brian.G.Davis@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: Site data put under incorrect RQ event in LIMs

Could you please clarify. Can I assume that these new tests will be added to RQ2019-07-22-08?

From: Ayres, Joshua
Sent: Wednesday, August 07, 2019 2:27 PM
To: Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>
Cc: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Davis, Brian G. <Brian.G.Davis@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: Site data put under incorrect RQ event in LIMs

I don't think it'll be an issue. Most of the data that has already been ran should be transferrable, and what hasn't been run isn't out of hold time yet. Of course I'll have to check on sample volume.

Metals probably already have Manganese data and Bromide test doesn't expire until 8/22.



JOSHUA AYRES

Environmental Specialist III

DEP Laboratories

Voice: 850.245.8206

Joshua.Ayres@dep.state.fl.us

From: Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>

Sent: Wednesday, August 7, 2019 15:14

To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>

Cc: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Davis, Brian G. <Brian.G.Davis@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>

Subject: RE: Site data put under incorrect RQ event in LIMs

Joshua,

Well unfortunately that site G2Ne1179 was a Marine wbid ,and would have needed Manganese on Metals, and Bromide on nutrients.

Heres what we needed

Marine	3M	Nutrients	ALKALINITY	Total Alkalinity
Marine	3M	Nutrients	CHLSUITE-W	Chlorophyll-a Corrected, Chlorophyll-a Uncorrected,
Marine	3M	Nutrients	TURBIDITY	Turbidity
Marine	3M	Nutrients	W-BR-IC	Bromide
Marine	3M	Nutrients	W-F	Fluoride
Marine	3M	Nutrients	W-NH3	Ammonia-N
Marine	3M	Nutrients	W-NO2NO3	NO2NO3-N
Marine	3M	Nutrients	W-PO4-F	O-Phosphate-P
Marine	3M	Nutrients	W-S-A-TP	Total-P
Marine	3M	Nutrients	W-TKN	Kjeldahl Nitrogen
Marine	3M	Nutrients	W-TOC	Organic Carbon
Marine	3M	Nutrients	W-TSS	TSS
Marine	3M	Metals	W-ICP	Iron, Manganese, Zinc
Marine	3M	Metals	W-ICPMS	Aluminum, Antimony, Arsenic, Cadmium, Chromium

I guess we will have to make up that site for our tracking purposes.
Basically it got analyzed as a freshwater kit.

Jeremy

From: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Sent: Wednesday, August 7, 2019 3:06 PM
To: Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>
Cc: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>; Davis, Brian G. <Brian.G.Davis@dep.state.fl.us>; Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: Site data put under incorrect RQ event in LIMs
Importance: High

Jeremy –

While correcting our login error, we discovered that requested analytes (nutrients and metals mostly) for these two RQs were different. Do you want any of this extra data for G2NE1179?

I believe most analytes have already been analyzed and can be easily transferred over, with the exception of W-BR-IC (nutrients) and Manganese (metals) these is where the RQs differ.

From: Carbone, Irina <Irina.Carbone@dep.state.fl.us>
Sent: Wednesday, August 7, 2019 11:30 AM
To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>; Kaus, Peter <Peter.Kaus@dep.state.fl.us>
Cc: Steinbock, Bettina <Bettina.Steinbock@dep.state.fl.us>; Storbeck, Julia <Julia.Storbeck@dep.state.fl.us>
Subject: RE: Samples logged into wrong RQ

Josh,

The sample 2106280 has a different set of analytes that it's new version, sample 2108983. Could you please look in

Thank you!

Irina

Select Samples...	Select Tests...	Select Samples...	Select Tests...
All All-3	All	All All-3	All
2106270	ALKALINITY	2108983	ALKALINITY
2106271	TURBIDITY	2108984	TURBIDITY
2106272	W-CL-IC ●	2108985	W-BR-IC ●
2106273	W-COLOR ●		W-F
2106274	W-F		W-TSS
2106275	W-SO4-IC ●		
2106276	W-TDS ●		
2106277	W-TSS		
2106278			
2106279			
2106280			
2106281			
2106282			
2106283			
2106284			



JOSHUA AYRES
Environmental Specialist III
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Joshua.Ayres@dep.state.fl.us

From: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>
Sent: Tuesday, August 6, 2019 14:21
To: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: FW: Site data put under incorrect RQ event in LIMs

From: Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>
Sent: Tuesday, August 6, 2019 1:20 PM
To: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>; Watts, John <John.Watts@FloridaDEP.gov>
Cc: Bunch, Cheryl <Cheryl.Bunch@dep.state.fl.us>
Subject: FW: Site data put under incorrect RQ event in LIMs

Kyle will you log in G2NE1179 under 2019-07-22-08 and not 2019-07-22-10
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From: Davis, Brian G. <Brian.G.Davis@dep.state.fl.us>
Sent: Tuesday, August 6, 2019 12:02 PM
To: Watts, John <John.Watts@FloridaDEP.gov>
Cc: Parrish, Jeremy M. <Jeremy.M.Parrish@dep.state.fl.us>
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Hey John,

So Cheryl was doing some QC work today and she found that the data for site G2NE1179 was put under RQ-2019-07-22-10 in LIMs mistakenly when it should have been included as second event under the RQ-2019-07-22-08. We sent the single sample in a cooler with samples from the other RQ that day so it was just a mix up. How can we go about fixing this?

Brian Davis
Environmental Specialist II
Department of Environmental Assessment and Restoration
FDEP - North East District
904-256-1541

Log-in Checklist

RQ- 2019-07-22-08

Login Station ID: #5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 7/26/19 @ 9:40

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
1.9				16 (10)		✓			4751 8781 7549

* HNO3 and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

**Chain of Custody/ Field Sheet(s) Included? Yes ✓ No

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

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 REQUIRED? (Blue dot on container) Yes No ✓ Init: KIK

Chlorine detected? (One container checked per Field ID) Yes No Init:

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

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

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: KIK

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

Coolers Unpacked/Checked by: KK Date: 7/26/19 NCRs (Y/N)? Y

Event ID: LSJR Coast
NE-DIST-2019-08-06-01 (SMP)
 Date Received: 26-JUL-2019 09:40
 NCR # 7839

Log-in Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	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

Additional Comments:

Infrared Thermometer ID:	REC_07_2018 EXP:12/28/19
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	222516 EXP:9/15/19
Chlorine Test Strips Lot #	091417V EXP:9/2021

Samples originally logged in under the wrong RA

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes X No X

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

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: _____

Request Number: RQ-2019-07-22-08

LSJR Coast

Florida Department of Environmental Protection Central Laboratory Submittal Form

Page 1 of 4

last revised Jan 25, 2018

Customer: NE-DIST

Project ID: SMP

Requester: Jeremy M. Parrish

Field Report Prepared By: E. Robert A. KalmbachCollected By: B. Davis
E. Robert A. KalmbachSampling Agency: DEAR NE RAC

WIN ID/Field ID:



G2NE1179

St. Johns River at Ft. Caroline dock

Latitude	☐ dd	Longitude	☐ dms	Salinity (ppt)	☐ dd	Comments	☐ Comp ☒ Grab	Collection (comp begin or grab) Date	Time	Eastern Central	Composite end Date	Time	Bottle Group(s) (See pg 2)
	☐ dms		☐ dms										
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		C	
Temp (C)		28.1		pH		7.96		Sample Depth		0.3			
Sp. Conductance (umho/cm)		33.560											
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Temp (C)				pH				Sample Depth		0.3			
Sp. Conductance (umho/cm)													
WIN/STORET #				Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments			
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Temp (C)				pH				Sample Depth		0.3			
Sp. Conductance (umho/cm)													
WIN/STORET #				Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments			
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Temp (C)				pH				Sample Depth		0.3			
Sp. Conductance (umho/cm)													
WIN/STORET #				Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments			
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Temp (C)				pH				Sample Depth		0.3			
Sp. Conductance (umho/cm)													
WIN/STORET #				Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)			
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments			
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Temp (C)				pH				Sample Depth		0.3			
Sp. Conductance (umho/cm)													

Relinquished By: <u>[Signature]</u>	Date/Time: <u>7-25-2019</u> <u>1500</u>	Shipping Method: <u>FedEx</u>	Number of Coolers Shipped: <u>1</u>	Received By: <u>KK</u>	Date/Time: <u>7-26-19</u>
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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

Data Qualified?

Yes / No

January 2018

WIN Station Name: SJR @ Ft. Caroline dockDate: 7/25/2018
(mm/dd/yyyy)WIN/Field ID: G2NE1179WBID: 2213BLatitude: 30.387120
(Decimal Degrees)County: DuvalORG ID: 21FLALongitude: 81.49105
(Decimal Degrees)Receiving Body of Water: Atlantic OceanRQ-2018- 07-22-08

Sampling Team Members				WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
B. Davis A. Kalmbacher				☒	☒	☒	☒	☒	☐ Sample Container	☒ Van Dorn	☐ Pole	
									☐ Carboy	☐ Syringe		
									☐ Dipper	☐ Other		
									Depth Measured with <u>meter</u>			
									Equipment ID <u>Ocho Kit 4</u>			
								Collection Method				
								☐ Wading				☐ Canoe/Kayak
								☐ From Shore				☐ Electric Motor
								☒ Other <u>dock</u>				☐ Gasoline Motor
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded				Meter ID# <u>YSI ProD Desi</u>				Matrix: Fresh () Marine () DI				
Photos: Yes ☒ No ☐ Flow: No Flow / Interstitial / <u>Flowing</u> / NA				Tide: <u>Rising</u> / Falling / Slack / NA				Tide Times: High Low				
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (µmhos/cm)	Temp. (°C)		
EST	0945	5.3	0.3	<u>NA</u>	5.6	81	7.96	21.1	33,560	28.1		
CEN			4.8	1.1	5.6	81	7.98	24.9	39,320	27.7		
Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:												
SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:												
Parameter Suite		Parameter Methods				Preservation		Lot#		Expiration pH Check		
Preserved Nutrients		☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP				☒ Ice ☒ H ₂ SO ₄		SA8344070		12/2019 ☒ <2		
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO ₃		NA8344050		12/2019 ☒ <2		
Filtered Nutrients		☒ W-PD4-F ☒ Field Filtered 0.45 µm Filter				☒ Ice						
Chlorophyll		☒ CHLSUITE-W				☒ Ice						
Physical/Aggregate (Fresh)		☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS				☐ Ice						
Physical/Aggregate (Marine)		☒ Alkalinity / W-F / W-TSS / TURBIDITY				☒ Ice						
Macroinvertebrates		☐ MI-FW-QLDC				☐ Formalin						
Periphyton		☐ ALGAE-ID				☐ Ice						
Microbiology		☐ E Coli ☐ F Coli ☒ Enterococci				☒ Ice						
Molecular		☐ PCR-FILTER ☐ PCR-HF383 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD				☐ Ice						
Tracers		☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA				☐ Ice						
Pesticides		☐ W-PSNP-TQ ☐ W-UHERB-AA ☐ W-AHERB-AA ☐ W-CARB-AA				☐ Ice						
		☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R				☐ Other						

Notes:

Place Label Here

Signature: A. KalmbacherDate: 7-25-2019

Enter Field Parameters, Verify Station ID in LIMS DMT:

QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: NE-ALS-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1 Sent to Contract Lab
Group: C	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1

Date of Request: 05-JUN-2019
 Created By: PARRISH_J On: 05-JUN-2019
 Modified By: JASROTIA_P On: 03-JUL-2019
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Sampling Event: LSJR Coast

Send Coolers To:

Phone: 904-256-1693
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256
 Attn: Jeremy Parrish

Program Module Number:

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: JASROTIA_P On: 03-JUL-2019
 Biology Request Reviewed By: JASROTIA_P On: 03-JUL-2019
 Sampling Kit Required: YES Ship on: 08-JUL-2019
 Sampling Kit Shipped: YES On: 08-JUL-2019
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 22-JUL-2019
 Received By: KLUG_K On: 06-AUG-2019

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

Comments:

Group A: (Surf.-Salt) Nutrients, Metals, Markers, Tracers, Bacteria
 Group B: (Surf.-Salt) Nutrients, Metals, Markers, Tracers, Bacteria
 Group C: (Surf.-Salt) Nutrients, Metals, Bacteria

NE-ALS-ENQ

Packing Notes:**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-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	Preserved With: ICE
NE-ALS-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville
Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO ₃
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Iron

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Manganese		
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
Aluminum		
Antimony		
Arsenic		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		
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: FILTER-ICE
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: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-250ML-WI-THI	Number of Bottles: 1	Preserved With: ICE
NE-ALS-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville
Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Iron		
Manganese		
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
Aluminum		
Antimony		
Arsenic		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		
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

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
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: 1	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-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Bottle Group C (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-BR-IC	Template: DEFAULT	(EPA 300.0) Bromide in aqueous matrices
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 3	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: P-250ML-WI-THI	Number of Bottles: 3	Preserved With: ICE
NE-ALS-ENQ	Template: DEFAULT	(ASTM D650399) Enterococci by Enterolert/QT by ALS in Jacksonville
Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: HNO3
W-ICP	Template: S-METALS	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Iron		
Manganese		
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
Aluminum		
Antimony		
Arsenic		
Cadmium		
Chromium		
Copper		
Lead		
Nickel		
Selenium		
Silver		
Thallium		
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: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

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