



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

PAGE 1 OF 11

Data Qualified?
Yes / No

STORET Station Name: Mouth of East River

Date: 03/21/2017

STORET Station ID: G1WA0011

WBID: 1089

Latitude: 30.0893

(mm/dd/yyyy)

County: Wakulla RQ - 2017-03-20-22

ORG ID: 21FLWQA

Longitude: -84.1774

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water: Apalachee Bay, GOM Field ID: G1WA0011-03212017

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection
Curtis Musson			X		X	X		X
Raymond Stuart		X		X				

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Equipment ID		

Collection Method	
☐ Wading	☐ Via Boat
☐ From Shore	☐ Canoe/Kayak
☐ Other (note below)	☐ Electric Motor
	☒ Gasoline Motor

Water Level: Dry / Pooled / Low / Normal / High / Flooded	Matrix: Fresh / Marine / DI
Meter ID#	Photos: Yes / No
	Tide Falling: Yes / No / NA

Field Sample

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	11:44	0.3	1.4	8.46	100.2	8.07	16.43	1.3	26743	18.71
CEN										

Biological Samples Collected:	None	HA	SCI	RPS	Algae ID	LVS	LVI	Other
SBIO ID Numbers:	SBIO-ID:	RPS-ID:	Macrophyte-ID:	LIMS#:				

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	SA-6302030	10/28/17	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO2			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / 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 ☐ Enterococcus ☐ PCR-FILTER	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-SUC-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Contains
1:1
Sulfuric Acid
SA-6302030
EXP: 10/28/17
Warning!
See SDS

Alternative Sticker(s) Here
(If Available)

QA/QC Sample Information

Duplicate

Time Zone: EST CEN		Sample Depth (m): _____		Field ID: _____	
Time: _____		Total Depth (m): _____			
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP	☐ Ice ☐ H ₂ SO ₄	SA-6302030	10/28/17	☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)		
Chlorophyll	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ PCR-FILTER	☐ Ice			
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-SUC-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other _____			

Blank

Time Zone: EST CEN		Time: <u>1:15</u>		Field ID: <u>G1WA0055-03212017B</u>		Location: <u>Skiff, St. Marks</u>	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank				Equipment ID: _____			
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check		
Preserved Nutrients	☒ W-NH3 / ☐ W-NO2NO3 / ☐ W-TKN / ☐ W-TOC / ☐ W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	SA-6302030	10/28/17	☒ < 2		
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	Place Preservative Sticker(s) Here (If Available)				
Chlorophyll	☒ CHLSUITE-W	☒ Ice					
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice					
Physical/Aggregate (Marine)	☒ Alkalinity / W-F / W-TSS / TURBIDITY	☒ Ice					
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ PCR-FILTER	☐ Ice					
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Ice					
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-SUC-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH	☐ Other _____					

Notes:

Kit B Slack tide Hi-tide Mouth of East River March 21, 2017	Field ID →  G1WA0011-03212017	Mouth of East River  G1WA0011
Signature: 		Date: <u>3/21/17</u>

Field Parameters Entered into LIMS: DC 3/22/17 (Initials/Date) Field Parameters QC in LIMS: _____ (Initials/Date)

Date Migrated to STORET: _____ (Initials/Date) Field Sheets Scanned/Saved: DC 3/22/17 (Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this name.

Meter Biology 2

RQ- 2017-03-20-22

Project SMP

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: Lab Calibration or Calibration/Verification on Site

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 03/06/2017

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	3/20/17	16:11	22.0	8.744	8.74	100.0	48	-	P	LAB
ICV	Curtis Musson	3/20/17	16:12	22.0	8.744	8.75	100.0	49	-	P	LAB
CCV	Curtis Musson	3/20/17	15:16	22.1	8.403	8.43	100.3	49	-	P	LAB
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15; DO charge N/A.

Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	3/20/17	16:14	161111D	1/17	1000	1000	P	LAB
ICV	Curtis Musson	3/20/17	16:15	161111D	1/2017	1000	1001	P	LAB
CCV	Curtis Musson	3/21/17	15:18	160330E	4/2017	50,000	50,285	P	LAB
CCV									

Report specific conductance as a whole number with no decimal figure.

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	3/20/2017	16:17	161111 B	5/18	7.0	7.00	-14	P	LAB
Calibr.	Curtis Musson	3/20/2017	16:18	161111 A	11/17	4.01	4.01	164	P	LAB
Calibr.	Curtis Musson	3/20/2017	16:20	161111 C	5/18	10.01	9.96	178	P	LAB
ICV	Curtis Musson	3/20/2017	16:22	161111 A	11-17	4.01	3.96	165	P	LAB
CCV	Curtis Musson	3/21/17	15:20	161111 C	5-18	10.01	9.8	-168	P	LAB
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Central Lab Sample Submittal Form

Request Number: RQ-2017-03-20-22

EVENT: St. Marks, Gulf of Mexico

Customer: WQ-ASSESS

Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson, Raymond Stuart

Field Report Prepared By: Raymond Stuart

Sampling Agency: FDEP

Page 1 of 5

Field ID	Matrix (Salt, Fresh)	Temp (C)	Diss. Oxygen (mg/L)	pH	Sample Depts (m)	Sp. Conductance (umho/cm)	Collection (comp begin or grab) Date	Time	Bottle Group(s)
Dickson Bay North	18.26	8.04	8.26	0.3	42027	A			
Dickson Bay South	18.46	8.02	7.73	0.3	41733	A			
Mouth of East River	18.71	8.07	8.46	0.3	26743	A			

Relinquished By: Raymond Stuart Date/Time: 3/21/17 2:42 Number of Coolers: 3 Received By: _____ Date/Time: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-03-20-22

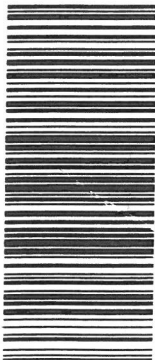
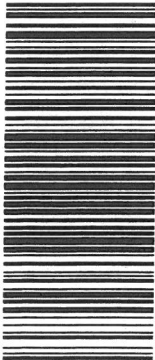
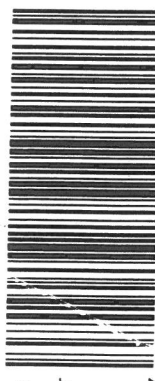
Requester: St. Marks, Gulf of Mexico
Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson, Raymond Stuart

Field Report Prepared By: Raymond Stuart
Sampling Agency: FDEP

Page 2 of 5

Field ID:  East River Downstream of Boggy Bayou March 21, 2017 STORET ↓  G1WA0056-03212017		Collection (comp begin or grab) Date: 3/21/17 Time: 12:01 Eastern Central Matrix (Salt, Fresh) ☒ Grab		Diss. Oxygen (mg/L) 8.45 pH 8.03 Sample Depts (m) 0.3 Sp. Conductance (umho/cm) 27788		Longitude (Decimal Degrees) -84.1752 Latitude (Decimal Degrees) 30.0972 Bottle Group(s) A	
Field ID:  Apalachee Bay South of St. Marks River March 21, 2017 STORET ↓  G1WA0048-03212017		Collection (comp begin or grab) Date: 3/21/17 Time: 12:31 Eastern Central Matrix (Salt, Fresh) ☒ Grab		Diss. Oxygen (mg/L) 8.60 pH 8.10 Sample Depts (m) 0.3 Sp. Conductance (umho/cm) 42367		Longitude (Decimal Degrees) Latitude (Decimal Degrees) Channel marker 5 Bottle Group(s) A	
Field ID:  St. Marks River at Channel Marker 22 March 21, 2017 STORET ↓  G1WA0008-03212017		Collection (comp begin or grab) Date: 3/21/17 Time: 12:55 Eastern Central Matrix (Salt, Fresh) ☒ Grab		Diss. Oxygen (mg/L) 9.34 pH 8.22 Sample Depts (m) 0.3 Sp. Conductance (umho/cm) 33520		Longitude (Decimal Degrees) -84.1939 Latitude (Decimal Degrees) 30.0929 Bottle Group(s) A	

Relinquished By: Raymond Stuart Date/Time: 3/21/17 2:42
 Number of Coolers: 3
 Received By: _____ Date/Time: _____

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Request Number: RQ-2017-03-20-22
EVENT: St. Marks, Gulf of Mexico
Customer: WQ-ASSESS
Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson, Raymond Stuart

Field Report Prepared By: *Raymond Stuart*
Sampling Agency: FDEP

Page 3 of 5

Field ID:  St. Marks River at Channel Marker 60 March 21, 2017 G1WA0055-03212017		Collection (comp begin or grab) Date: 3/21/17 Time: 1:29 Matrix (Salt, Fresh): ☒ Grab		Collection (comp begin or grab) Date: 3/21/17 Time: 1:29 Matrix (Salt, Fresh): ☒ Grab		Collection (comp begin or grab) Date: 3/21/17 Time: 1:29 Matrix (Salt, Fresh): ☒ Grab	
Diss. Oxygen (mg/L): 8.52		Diss. Oxygen (mg/L): 8.52		Diss. Oxygen (mg/L): 8.52		Diss. Oxygen (mg/L): 8.52	
pH: 8.13		pH: 8.13		pH: 8.13		pH: 8.13	
Temp (C): 20.34		Temp (C): 20.34		Temp (C): 20.34		Temp (C): 20.34	
Salinity (ppt): 0.84		Salinity (ppt): 0.84		Salinity (ppt): 0.84		Salinity (ppt): 0.84	
Sample Depts (m): 0.3		Sample Depts (m): 0.3		Sample Depts (m): 0.3		Sample Depts (m): 0.3	
Sp. Conductance (umho/cm): 1717		Sp. Conductance (umho/cm): 1717		Sp. Conductance (umho/cm): 1717		Sp. Conductance (umho/cm): 1717	
Latitude (Decimal Degrees): 30.1447		Latitude (Decimal Degrees): 30.1447		Latitude (Decimal Degrees): 30.1447		Latitude (Decimal Degrees): 30.1447	
Longitude (Decimal Degrees): -84.2088		Longitude (Decimal Degrees): -84.2088		Longitude (Decimal Degrees): -84.2088		Longitude (Decimal Degrees): -84.2088	
Bottle Group(s): A,C		Bottle Group(s): B		Bottle Group(s): D		Bottle Group(s): B	

QC Duplicate

St. Marks River at Channel Marker 60

QC Duplicate

St. Marks River at Channel Marker 60

QC Duplicate

St. Marks River at Channel Marker 60

QC BLANK

QC BLANK

QC BLANK

Relinquished By: *Raymond Stuart* Date/Time: 3/21/17 2:42
Number of Coolers: 3
Received By: Date/Time:

Group: A	Bottle Type: ALKALINITY TURBIDITY W-F W-TSS	P-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	7
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	7
Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 7	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	7
Group: B	Bottle Type: ALKALINITY TURBIDITY W-F W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	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: B	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ENT-24-QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1

Group: C	Bottle Type: FCOLI-MF	P-120ML-OC	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: ALKALINITY TURBIDITY W-F W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: D	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: D	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	1

Cooler Packing Worksheet for Request: RQ-2017-03-20-22

St. Marks, Gulf Of Mexico

Ship Cooler On: 3/16/2017

Customer/Project: WQ-ASSESS/SMP

Assigned To: GREENWOO_J

Requester: Curtis Musson

Priority: 3

8502458453

Division Of Water Facilities, FL DEP

2600 Blair Stone Rd.

Tallahassee, FL 32399-2400

Attn: Curtis Musson

Comments:

No preservatives needed.

Group A: Marine Kit, No Metals

Group B: Marine Kit, No Metals (Blank)

Group C: Entrococci, Fecal Coliform

Group D: Marine Kit, No Metals (Dup)

Packing notes

4 - liters of DI water ✓

No fedex shipping documents are needed

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 00064523/2

Description: Plastic Bottle 1L

00065578/5

Analysis

ALKALINITY

TURBIDITY

W-F

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 7 Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 7 Preservation: ICE And H2SO4

Lot # 00064947

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Description

Ammonia in aqueous matrices as mg N/L
Nitrite/Nitrate in aqueous matrices as mg N/L
Total Phosphorus in aqueous matrices as mg P/L
Total Kjeldahl Nitrogen in aqueous matrices
Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 7 Preservation: ICE-FLTR

Lot # 00066437

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00065578

Description: Plastic Bottle 1L

Analysis

ALKALINITY
TURBIDITY
W-F
W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L
Turbidity in aqueous matrices
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 10 1191091
9.8.

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00064947

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

Description

Ammonia in aqueous matrices as mg N/L

W-NO2NO3

Nitrite/Nitrate in aqueous matrices as mg N/L

W-S-A-TP

Total Phosphorus in aqueous matrices as mg P/L

W-TKN

Total Kjeldahl Nitrogen in aqueous matrices

W-TOC

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: ICE-FLTR

Lot # 00060437

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C

of Sites: 1

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # L16292
6A269.0

Description:

Analysis

ENT-24-QT

Description

Enterococci by Enterolert Quanti-Tray method - non-chlorinated water systems

Container ID: P-120ML-OC

Qty: 1 Preservation: ICE

Lot # 6A26

Description:

Analysis

FCOLI-MF

Description

Fecal coliforms by membrane filter method - non-chlorinated water systems

Bottle Group: D

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00065578

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-F

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)

Total Suspended Solids in aqueous matrices

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1191091

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00064947

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

Analysis

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Description

Ammonia in aqueous matrices as mg N/L

Nitrite/Nitrate in aqueous matrices as mg N/L

Total Phosphorus in aqueous matrices as mg P/L

Total Kjeldahl Nitrogen in aqueous matrices

Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML

Qty: 1 Preservation: ICE-FLTR

Lot # 00060437

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Cooler Packed By: J.D.

Date: 3/15/17

DEP Cooler ID #(s): 3

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle (1 per cooler)
- ☐ FedEx Bills, if applicable (1 per cooler)
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____
ID _____	Lot # _____

PLEASE RETURN ALL COOLERS FOR RQ-2017-03-20-22