



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Unnamed Creek at Palmview RdDate: 05/01/2019 ✓
(mm/dd/yyyy)WIN/ Field ID: G3WA0013 ✓WBID: 233ALatitude: 30.812154County: JacksonORG ID: 21FLWQALongitude: -85.454192Receiving Body of Water: Alligator Creek

RQ- 2019-04-29-30

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Curtis Musson					X	X				☒ Sample Container	☐ Van Dorn	☐ Pole		
Blake Spencer							X	X	X	☐ Carboy	☒ Syringe			
										☐ Dipper	☐ Other			
										Depth Measured with <u>Mez Stick</u>				
										Equipment ID				
Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded										Meter ID# <u>Biology #2</u>		Matrix: <u>Fresh</u> / Marine / DI		
Photos: Yes / <u>No</u>		Flow: No Flow / Intestinal / <u>Flowing</u> / NA		Tide: Rising/ Falling/ Slack/ <u>NA</u>		Tide Times: High <u>NA</u> Low <u>NA</u>								
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)				
EST	<u>1236</u> ✓	<u>0.1</u> ✓	<u>0.05</u>	<u>1.03</u>	<u>7.44</u> ✓	<u>90.8</u> ✓	<u>5.25</u> ✓	<u>0.02</u> ✓	<u>4</u> ✓	<u>25.50</u> ✓				
CEN														
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		<u>SA8344070</u>		<u>12/10/19</u>		☒ <2		
Metals		☐ W-ICPMS ☐ W-ICP				☐ Ice ☐ HNO ₃						☐ <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-BR-IC / ☐ 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-BacR ☐ PCR-GULL2				☒ Ice								
		☒ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD				☒ Ice								
Tracers		☒ W-E8321-DI ☒ W-E8321-MS				☒ Ice								
Pesticides		☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI				☐ Ice								
		☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA				☐ Ice								
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice								
Notes: Nutrients E.Coli BacR, HF183 Tracers														
Signature: <u>[Signature]</u>										WIN ID / FILED ID → <u>G3WA0013</u> Location: <u>Unnamed Creek at Palmview Rd</u>				
										Date: <u>5/1/19</u>				

Contains 1.1 H₂SO₄
Lot No SA8344070
Expires 12/10/19
See Safety Data Sheet (SDS)

Place Preserve

THIENHO TRUONG SCIENTIFIC
1429408-2711
Contains 1.1 H₂SO₄
750g 45%
DANGER
H2SO4
May be corrosive to metals. Causes severe skin burns and eye damage. Do not breathe fumes/vapors. Wash thoroughly after handling. Avoid contact with skin and clothing. Store in a cool, dry place. Do not mix with other chemicals. If spilled, remove from area immediately. If inhaled, move to fresh air. If swallowed, do not induce vomiting. Seek medical attention immediately. These contents may be hazardous to health. Do not dispose of in the trash. Store in a cool, dry place.

LIMS EVENT ID: WAS-SECT-2019-05-01-02

WIN Import ID: _____

Enter Field Parameters, Verify Station ID in LIMS DMT: 6/11/19QC Station ID, Field Parameters in LIMS DMT: 6/11/19

Scan/Save Field Sheets

Migrate Data to WIN: _____

Verify Data in WIN: _____

(Initials/Date)

(Initials/Date)

(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 ID: **B10#2**

RQ- **2019-04-29-30**

Project: **SM/MBE**

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (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

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	5/1/19	7:03	20.79	8.95	8.95	100.0	28.8	-	☒ F	☒ F
ICV	Curtis Musson	5/1/19	7:04	20.81	8.95	8.95	100.0	28.8	-	☒ F	☒ F
CCV	Blake Spencer	5/1/19	14:59	22.71	8.627	8.71	101.3	32.9	-	☒ F	☒ F
CCV										☒ F	☒ F

DO Acceptance criteria from Table ± 0.3 mg/L.

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

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

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

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	5/1/19	7:06	180927D	10/20/19	500	500	☒ F	☒ F
ICV	Curtis Musson	5/1/19	7:09	180927D	10/20/19	500	500	☒ F	☒ F
CCV	Blake Spencer	5/1/19	15:02	2808884	07/20/20	100	103	☒ F	☒ F
CCV								☒ F	☒ F

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	5/1/19	7:10	180403C	10/20/19	7.02	7.02	-16	☒ F	☒ F
Calibr.	Curtis Musson	5/1/19	7:16	180621D	07/20/19	4.00	4.00	158	☒ F	☒ F
Calibr.	Curtis Musson	5/1/19	7:20	180621F	01/20/20	10.05	10.00	-186	☒ F	☒ F
ICV	Curtis Musson	5/1/19	7:23	180621D	07/20/19	4.00	4.02	157	☒ F	☒ F
CCV	Blake Spencer	5/1/19	15:04	180621F	01/20/20	10.05	9.97	-182.0	☒ F	☒ F
CCV									☒ F	☒ F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50;

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

mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						☒ F	☒ F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS:

Customer: WAS-SECT
Project ID: SMPRequester: Curtis Musson
Collected By:

Field Report Prepared By:

Sampling Agency:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Location		WIN ID / FILED ID →		G3WA0013		C		☐ Comp Grab ☐ Date 5/11/19 ☐ Time 1336 ☐ Matrix (type, e.g., Salt, Fresh, etc) Fresh ☐ Temp 25.50 ☐ pH 5.25 ☐ Salinity 0.02 ☐ Diss. Oxygen 90.8 ☐ Sample Depth 0.05 ☐ Comments 41		Bottle Group(s) (See pg 2)	
Location		WIN ID / FILED ID →		G3WA0010		C		☐ Comp Grab ☐ Date 5/11/19 ☐ Time 1336 ☐ Matrix (type, e.g., Salt, Fresh, etc) Fresh ☐ Temp 24.09 ☐ pH 5.03 ☐ Salinity 0.02 ☐ Diss. Oxygen 93.8 ☐ Sample Depth 0.3 ☐ Comments 36		Bottle Group(s)	
Location		WIN ID / FILED ID →		G3WA0005		B		☐ Comp Grab ☐ Date 5/11/19 ☐ Time 1002 ☐ Matrix (type, e.g., Salt, Fresh, etc) Fresh ☐ Temp 21.82 ☐ pH 5.86 ☐ Salinity 0.02 ☐ Diss. Oxygen 77.7 ☐ Sample Depth 0.3 ☐ Comments 50		Bottle Group(s)	
Location		WIN ID / FILED ID →		G3WA0008		A		☐ Comp Grab ☐ Date 5/11/19 ☐ Time 0953 ☐ Matrix (type, e.g., Salt, Fresh, etc) Fresh ☐ Temp 21.28 ☐ pH 6.09 ☐ Salinity 0.03 ☐ Diss. Oxygen 90.0 ☐ Sample Depth 0.05 ☐ Comments 57		Bottle Group(s)	

Relinquished By: 5/11/19 1433 Shipping Method: HD Number of Coolers Shipped: 4 Received By: KK Date/Time: 5-1-19 17:35

Customer: WAS-SECT
Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Requester: Curtis Musson

Collected By: Blake Spencer, Curtis Musson

Field Report Prepared By: Blake Spencer

Sampling Agency: FDEP

Location		WIN ID / FILED ID	Collection (comp begin or grab)	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Salinity (ppt)	Sample Depth	Sp. Conductance (umho/cm)	mg/L Total Res. Chlorine	Bottle Group(s)
Pine Barn Creek at Woodrest Rd		G3WA0011	Comp	Fresh	21.55	5.36	0.02	0.2	49		C
3curlock Creek at Pilgrim Rd		G3WA0009	Comp	Fresh	20.11	5.76	0.07	0.15	48		C
Alligator Creek upstream of Bentley Rd.		G3WA0004	Comp	Fresh	22.11	5.87	0.04	0.2	81		C
Little Alligator Creek at SR 273		G3WA0006	Comp	Fresh	22.35	5.07	0.04	0.2	29		C

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Blake Spencer	5/11/19 1433	HL	4	MM	5.1.19 14:35

Group: A Bottle Type:

P-1L

of Bottles: 1

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: A

Bottle Type:

BP-1L

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab

CHLSUITE-W

Group: A

Bottle Type: P-250ML-WO-THI

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab

ECOLI-18QT

Group: A

Bottle Type: QPCR-P-500ML

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab

PCR-FILTER

Group: A

Bottle Type: BG-500ML

of Bottles: 1

Preservative:

CH2CICOOH
Pre-Preserved

Enter Number of Bottles Sent to Lab

W-CARB-AA

Group: A

Bottle Type: BG-500ML

of Bottles: 4

Preservative:

ICE

Enter Number of Bottles Sent to Lab

W-CT-CL-R

W-PCL-SQ-R

Group: A

Bottle Type: BG-500ML

of Bottles: 1

Preservative:

ICE

Enter Number of Bottles Sent to Lab

W-E8321-DI

W-E8321-MS

Group: A

Bottle Type: P-500ML

of Bottles: 1

Preservative:

HNO3

Enter Number of Bottles Sent to Lab

W-ICP

W-ICPMS

Group: A

Bottle Type: P-500ML

of Bottles: 1

Preservative: ICE And H2SO4

Enter Number of Bottles Sent to Lab

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

H2SO4
LOT# SH8344078
EXP: 12/10/2019

Group: A	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: CHLSUTE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: ECOLL-18QT	P-250ML-WO-TH	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: PCR-BACR PCR-HF183	QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3 LOT# M68344050 EXP: 12/16/2019	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

H2SO4
LOT# S96344076
EXP: 12/16/2019

Group: C

Bottle Type: P-1L

of Bottles: 6

Preservative: ICE

Enter Number of Bottles Sent to Lab 6

ALKALINITY

TURBIDITY

Group: C	Bottle Type: BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab
	CHLSUITE-W			6

Group: C Bottle Type: QPCR-P-500ML # of Bottles: 6 Preservative: ICE Enter Number of Bottles Sent to Lab 6

PCR-BACR

PCR-HF183

Group: C Bottle Type: P-500ML # of Bottles: 6 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 6

Group: C Bottle Type: P-125ML # of Bottles: 6 Preservative: FILTER-ICE Enter Number of Bottles Sent to Lab 6

W-PO4-F

Cooler Packing Worksheet for Request: RQ-2019-04-29-30

NWQI - Alligator Creek

Ship Cooler On: 4/25/2019

Customer/Project: WAS-SECT/SMP

Assigned To: SHAIK_A

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Please return
packing list with
sample submittal
forms.

Comments:

Group A: Nutrients, Metals, PCR-FILTER, Pesticides, E. coli
WBID 130 Minnow Creek

Group B: Nutrients, Metals, PCR (HF183, BacR), Tracers, E. coli
WBID123. Alligator Creek at SR 273

Group C x 6
Nutrients, PCR (HF183, BacR), Tracers, E. coli
WBIDs 123x2, 195, 233A, 235, 262A

Packing Notes:

No FedEx labels

No Trash Bags

1 - case of sulfuric acid/2 sets of labels

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 04573854

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

Chloride in aqueous matrices

True Color measured at 450 nm

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

Sulfate in aqueous matrices

Total Dissolved Solids in aqueous matrices

Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 124830

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 6721-TN

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 5070170

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML

Qty: 1 Preservation: CH₂ClCOOH Pre-Preserved

Lot # 507353

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CARB-AA

Description

Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML

Qty: 4 Preservation: ICE

Lot # 507353

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-CT-CI-R

W-PCL-SQ-R

Description

Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 507353

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 5572877

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

W-ICPMS

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 5572877

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: FILTER-ICE

Lot # 5573850

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Container ID: BG-1L

Qty: 4 Preservation: ICE

Lot # 5573598

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Bottle Group: B

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 5573854

Description: Plastic Bottle 1L

Analysis

ALKALINITY

TURBIDITY

Description

Alkalinity in aqueous matrices as mg CaCO3/L

Turbidity in aqueous matrices

W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Chloride in aqueous matrices
True Color measured at 450 nm
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Sulfate in aqueous matrices
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-250ML-WO-THI

Qty: 1 Preservation: ICE

Lot # 65217N

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML

Qty: 1 Preservation: ICE

Lot # 007470

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-BACR

PCR-HF183

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 1 Preservation: ICE

Lot # 007353

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 1 Preservation: HNO3

Lot # 0007287

Description: Plastic Bottle 500 mL

Affix RED nitric acid dot to container.

Analysis

W-ICP

Description

Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 55072877

Description: Plastic Bottle 500 mL

Affix YELLOW sulfuric acid dot to container.

AnalysisW-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOCDescriptionAmmonia 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: FILTER-ICE

Lot # 55073850

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: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 55073854

Description: Plastic Bottle 1L

AnalysisALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSSDescriptionAlkalinity in aqueous matrices as mg CaCO3/L
Turbidity in aqueous matrices
Chloride in aqueous matrices
True Color measured at 450 nm
Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
Sulfate in aqueous matrices
Total Dissolved Solids in aqueous matrices
Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample

Container ID: BP-1L

Qty: 6 Preservation: ICE

Lot # 1248230

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

120
Container ID: P-250ML-WO-THI

Qty: 6 Preservation: ICE

Lot # 65217N

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

Escherichia coli by Collert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML

Qty: 6 Preservation: ICE

Lot # 0070171

Description: 500ml Sterile Nalgene

Affix PCR Instruction Label to container

Analysis

PCR-BACR

PCR-HF183

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Container ID: BG-500ML

Qty: 6 Preservation: ICE

Lot # 007350

Description: Brown Glass Bottle 500ML

Affix BLUE dot to container.

Analysis

W-E8321-DI

W-E8321-MS

Description

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML

Qty: 6 Preservation: ICE And H2SO4

Lot # 0072877

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: 6 Preservation: FILTER-ICE

Lot # 0073850

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: ABJ

Number of Coolers: 4

Date: 4-25-19

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☒ FedEx Bills, if applicable
- ☒ Plastic Bags/Zip Ties
- ☐ Acid Labels (sets of 24)

If Preservation Included:

ID -	Exp	Lot #
ID - <u>H2S04</u>	Exp	Lot #
ID - <u>LOT# SA9010030</u>	Exp	Lot #
ID - <u>EXP: 04/10/2020</u>	Exp	Lot #
ID -	Exp	Lot #
ID - <u>MCA</u>	Exp <u>1-1120</u>	Lot # <u>8730</u>

PLEASE RETURN ALL COOLERS FOR RQ-2019-04-29-30