



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Swamp Creek upstream of Railroad

Date: 4/25/2018

WIN/ Field ID: G1WA0052

WBID: 427

Latitude: 30.663

(mm/dd/yyyy)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.448

(Decimal Degrees)

Receiving Body of Water: Attapulugus Creek

RQ-2018- 04-23-15

(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Ben Ralys						X		X	X	☒ Sample Container	☐ Van Dorn	☐ Pole		
Jason Storrs					X		X			☐ Carboy	☒ Syringe			
										☐ Dipper	☐ Other			
Depth Measured with Equipment ID										Collection Method				
										☒ Wading	☐ Canoe/Kayak			
										☐ From Shore	☐ Electric Motor			
										☐ Other	☐ Gasoline Motor			
Water Level: Dry/ Pooled/ Low / Normal / <u>High</u> / Flooded					Meter ID# Biology #2					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 (µmhos/cm)	Temp. (C°)				
EST	1100	1.0	0.3	0.3	8.48	890.1	6.75	0.03	62	18.31				
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 ☒ H2SO4	3A7233030	8/21/18	☒ <2					
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO3			☐ <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-CH-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 ☐ Enterococci					☒ Ice								
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ 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 ☐ W-PCL-SQ-R ☐ W-PYR-AA-R ☐ W-GLYPH ☐ W-SUC-AA-R					☐ Ice ☐ Other								

Contains 1:1 Sulfuric Acid
Lot No.: SA7233030
Expires: 08/21/18
See Safety Data Sheet (SDS)

Place Preserve

Contains 1:1 Sulfuric Acid
Lot No.: SA7233030
Expires: 08/21/18
See Safety Data Sheet (SDS)

Notes:

Kit-A, Bacteria
SCI, RPS and LVS

post pond SCI, RPS, LVS

Swamp Creek
upstream of
Railroad

WIN ID / FILED ID

G1WA0052

Signature:

Date:

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)

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: Biology #2

RQ: 2018-04-23-15

Project: Salem branch Freeman, Juniper, Quarry

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.	Ben Ralys	4/25/18	7:15	20.78	8.96	8.95	100.0	55.3	-	<u>P</u> /F	<u>L</u> /F
ICV	Ben Ralys	4/25/18	7:17	20.78	8.96	8.96	100.0	55.3	-	<u>P</u> /F	<u>L</u> /F
CCV	Jason Skerris	4/25/18	13:40	22.17	8.744	8.62	99.0	54.3	-	<u>P</u> /F	<u>L</u> /F
CCV										P/F	L/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.	Ben Ralys	4/25/18	7:18	171005D	10/2018	1,000	1,000	<u>P</u> /F	<u>L</u> /F
ICV	Ben Ralys	4/25/18	7:20	171005D	10/2018	1,000	1,000	<u>P</u> /F	<u>L</u> /F
CCV	Jason Skerris	4/25/18	13:35	180326A	04/2019	100	101	<u>P</u> /F	<u>L</u> /F
CCV								P/F	L/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.	Ben Ralys	4/25/18	7:21	171005B	4/2019	7.0	7.00	4.9	<u>P</u> /F	<u>L</u> /F
Calibr.	Ben Ralys	4/25/18	7:23	171005A	10/2018	4.0	3.99	178.8	<u>P</u> /F	<u>L</u> /F
Calibr.	Ben Ralys	4/25/18	7:25	171005C	4/2019	10.0	9.96	-156.6	<u>P</u> /F	<u>L</u> /F
ICV	Ben Ralys	4/25/18	7:26	171005C	4/2019	10.0	9.94	-155.8	<u>P</u> /F	<u>L</u> /F
CCV	Jason Skerris	4/25/18	13:30	171005A	10/2018	4.0	3.89	183.2	<u>P</u> /F	<u>L</u> /F
CCV									P/F	L/F

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

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

mV pH 10 Range -180 ± 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						P/F	L/F

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

COMMENTS:

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

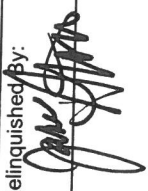
Requester: Curtis Musson

Collected By: Ben Ralys, Jason Storrs

Field Report Prepared By: Ben Ralys, Jason Storrs

Sampling Agency: FDEP

Location		Freeman Creek upstream of SR 267 (Bloxham Cutoff)		WIN ID / FIELD ID G1WA0010		Collection (comp begin or grab) Date 4/25/18 Time 825		Composite end Date mg/L Total Res. Chlorine		Bottle Group(s) (See pg 2)	
Field ID						Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 77.1		Total Res. Chlorine	
WIN/STORET #						Temp (C) 17.59 pH 3.32		Sample Depth 0.1		Sp. Conductance (umho/cm) 36	
Latitude		30.3887		Longitude -84.5844		Salinity (ppt) 0.02					
Location		Juniper Creek Upstream of Juniper Creek Rd		WIN ID / FIELD ID G1WA0059		Collection (comp begin or grab) Date 4/25/18 Time 905		Composite end Date mg/L Total Res. Chlorine		Bottle Group(s) (See pg 2)	
Field ID						Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 49.4		Total Res. Chlorine	
WIN/STORET #						Temp (C) 18.41 pH 5.85		Sample Depth 0.3		Sp. Conductance (umho/cm) 73	
Latitude		30.531		Longitude -84.736		Salinity (ppt) 0.03					
Location		Quincy Creek 100 meters upstream of Ralph Strong Rd		WIN ID / FIELD ID G1WA0018		Collection (comp begin or grab) Date 4/25/18 Time 945		Composite end Date mg/L Total Res. Chlorine		Bottle Group(s) (See pg 2)	
Field ID						Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 95.9		Total Res. Chlorine	
WIN/STORET #						Temp (C) 16.55 pH 6.80		Sample Depth 0.3		Sp. Conductance (umho/cm) 68	
Latitude		30.5837		Longitude -84.5503		Salinity (ppt) 0.03					
Location		Salem Branch downstream of SR 159		WIN ID / FIELD ID G1WA0053		Collection (comp begin or grab) Date 4/25/18 Time 1020		Composite end Date mg/L Total Res. Chlorine		Bottle Group(s) (See pg 2)	
Field ID						Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 62.3		Total Res. Chlorine	
WIN/STORET #						Temp (C) 20.14 pH 6.99		Sample Depth 0.1		Sp. Conductance (umho/cm) 128	
Latitude		30.63082		Longitude -84.43155		Salinity (ppt) 0.06					

Relinquished By: 	Date/Time: 4/25/18 1250	Shipping Method: Drop off	Number of Coolers Shipped:	Received By:	Date/Time:
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Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Ben Ralys, Jason Storrs

Field Report Prepared By: Ben Ralys, Jason Storrs

Sampling Agency: FDEP

Location		WIN ID / FILED ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		Date		Time		Date		Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine		(See pg 2)	
Latitude		pH		Sample Depth		Sp. Conductance		D.E	
Longitude		Comments		pH		Sp. Conductance		62	
30.663		18.31		6.75		0.3			
-84.448		0.03		No SCI collected inappropriate water conditions					
Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine			
Latitude		pH		Sample Depth		Sp. Conductance			
Longitude		Comments		pH		Sp. Conductance			
30.663		18.31		6.75		0.3			
-84.448		0.03		No SCI collected inappropriate water conditions					
Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine			
Latitude		pH		Sample Depth		Sp. Conductance			
Longitude		Comments		pH		Sp. Conductance			
30.663		18.31		6.75		0.3			
-84.448		0.03		No SCI collected inappropriate water conditions					
Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine			
Latitude		pH		Sample Depth		Sp. Conductance			
Longitude		Comments		pH		Sp. Conductance			
30.663		18.31		6.75		0.3			
-84.448		0.03		No SCI collected inappropriate water conditions					
Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)			
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		Total Res. Chlorine			
Latitude		pH		Sample Depth		Sp. Conductance			
Longitude		Comments		pH		Sp. Conductance			
30.663		18.31		6.75		0.3			
-84.448		0.03		No SCI collected inappropriate water conditions					

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Ben Ralys	4/25/18 12:50	Drop off			

Group: A	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	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	1
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ECOLI-18QT						
Group: A	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	PCR-FILTER						
	PCR-HF183						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	W-E8321-DI						
	W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	1
	W-ICP	Nitric Acid		12/7/18	734/10/10		
	W-ICPMS			Exp.	Lot #		
Group: A	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
	W-NH3						
	W-NO2NO3	Sulfuric Acid		8/21/18	SA7233030		
	W-S-A-TP			Exp.	Lot #		
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	ALKALINITY						
	TURBIDITY						

Group: B	Bottle Type: 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: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: PCR-FILTER	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: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
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:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: D	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1

Group: D	Bottle Type: W-TDS 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: ECOLI-18QT	P-250ML-WO-THI	# 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: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
Group: E	Bottle Type: ALGAL_ID	PT-50ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	0
Group: E	Bottle Type: MI-FW-QLDC	PJ-2L	# of Bottles: 2	Preservative: Formalin	Enter Number of Bottles Sent to Lab	0

Cooler Packing Worksheet for Request: RQ-2018-04-23-15

Quincy, Juniper, Freeman, Salem, Swamp

Ship Cooler On: 4/19/2018

Customer/Project: WAS-SECT/SMP

Assigned To: KLUG_K

Requester: Curtis Musson

Priority: 3

850-245-8453

2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:

Group A: WBID 1303A, G1WA0018. Metals, Nutrients, E.coli, Trecers, PCR-FILTER, PCR-HF183

Group B: WBID 682, G1WA0059. Nutrients, E. coli, Tracers, PCR-FILTER

Group C: WBIDs 954, 480; G1WA0010, G1WA0053. E.coli.

Group D: WBID 427, G1WA0052 Chemistry. Nutrients, E. coli,

Group E: WBID 427, G1WA0052 Biology. SCI, Algal-ID

Packing Notes:

No Fedex labels

1 - case of sulfuric acid

QC bottles added-jhw

Requested Analyses:

Bottle Group: A

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00070681

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

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1223623

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 # 417167

Description:

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 # 00070172

Description: 500ml Sterile Nalgene

Analysis

PCR-FILTER

PCR-HF183

Description

Preparation of Samples by Filtration and held for qPCR Analysis

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

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00068229

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 # 00070440

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 # 00070440

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 # 00070886

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 # 00070681

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

Container ID: BP-1L

Qty: 1

Preservation: ICE

Lot # 1223623

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 # L17167

Description:

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 # 00070172

Description: 500ml Sterile Nalgene

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Container ID: BG-500ML

Qty: 2 Preservation: ICE

Lot # 00068229

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: ICE And H2SO4

Lot # 00070440

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 # 00070886

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: 2

Container ID: P-250ML-WO-THI

Qty: 2 Preservation: ICE

Lot # 117167

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: D

of Sites: 1

Container ID: P-1L

Qty: 1 Preservation: ICE

Lot # 00670681

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

Container ID: BP-1L

Qty: 1 Preservation: ICE

Lot # 1223623

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 # 117167

Description:

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 1 Preservation: ICE And H2SO4

Lot # 00070440

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: FILTER-ICE

Lot # 00069732

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Bottle Group: E

of Sites: 1

Container ID: PT-50ML

Qty: 1 Preservation: ICE

Lot # 03775003

Description: Plastic Tube 50 mL

Analysis

ALGAL_ID

Description

Qualitative assessment of algal taxa present without counts

Container ID: PJ-2L

Qty: 2 Preservation: Formalin

Lot # BIOWASH

Description: Plastic Jar 2 L

Analysis

MI-FW-QLDC

Description

No. Taxa of FW macroinverts, qual samp, 20 dipnets.

Cooler Packed By: KIK

Number of Coolers: 2

Date: 4/18/18

Kit must also include:

- ☒ Field Sheets
- ☒ Temperature Control Bottle
- ☐ FedEx Bills, if applicable
- ☒ Plastic Bags
- ☒ Zip Ties

If Preservation Included:

ID	Sulfuric Acid	Exp	3/26/19	Lot #	SA 8085170
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2018-04-23-15