



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2020

Meter Passed End
of Day CCV
Yes / No

WIN Station Name: Double Branch at CR 159

Date: 1/28/2020 3/25/20
(mm/dd/yyyy)

WIN/ Field ID: G1WA0091

WBID: 630

Latitude: 30.5502

(Decimal Degrees)

County: Gadsden

ORG ID: 21FLWQA

Longitude: -84.4265

(Decimal Degrees)

Receiving Body of Water: Ochlockonee River

RQ-2020- 03-23-21

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson		X		X	X
Blake Spencer		X	X	X	X

Sampling Equipment	
☒ Sample Container	☐ Van Dorn
☐ Syringe	☐ Pole
☐ Dipper	☐ Other
Depth Measured with <u>Meter Stick</u>	
Equipment ID	
Collection Method	
☒ Wading	☐ Canoe/Kayak
☐ From Shore	☐ Electric Motor
☐ Other	☐ Gasoline Motor

Water Level: Dry/ Pooled/ Low <u>Normal</u> / High / Flooded	Meter ID# Biology #2
Photos: Yes / <u>No</u>	Flow: No Flow / <u>Flowing</u> / NA
Tide: Rising/ Falling/ Slack <u>NA</u>	Tide Times: High <u>NA</u> Low <u>NA</u>
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#:
Notes:	

Duplicate Sample

Time Zone: EST CEN Time: Field ID: (WIN ID_DUP)

WIN DMT Activity ID:

Blank

Time Zone: EST CEN Time: Field ID: Location: Equipment

DI Source: ☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank

FILED ID →

FB_03252020

Willacoochee Creek at 161

LIMS EVENT ID: WAS-SECT-2020-03-25-01

WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: CM 3/27/20
(Initials/Date)

QC Station ID, Field Parameters in LIMS DMT: CM 3.27.2020
(Initials/Date)

Scan/Save Field Sheets CM 3.27.2020
(Initials/Date)

Migrate Data to WIN: (Initials/Date)

Verify Data in WIN: (Initials/Date)

Project ID: SMP

Sampling Agency: FDEP

*2.0 ml of Preservative used unless noted otherwise.
**MCAA: Monochloroacetic acid buffer solution

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

Boldly "X" this box if there are qualified data on this page.

Meter ID: **Bio #2**

RQ: **2020-03-23-24**

Project: **Smp**

- 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.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	B. Spencer	3/25/20	0706	20.50	760	9.003	9.00	100.0%	43.1	—	P/F	L/F
ICV	B. Spencer	3/25/20	0707	20.51	760	9.003	8.99	99.8%	43.1	—	P/F	L/F
CCV	B. Spencer	3/25/20	1319	20.31	760	9.039	8.90	98.4%	39.0	—	P/F	L/F
CCV											P/F	L/F

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 (Pro DSS 0.75 to 1.50); 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.	B. Spencer	3/25/20	0709	191120A	12/2020	1000	1000	P/F	L/F
ICV	B. Spencer	3/25/20	0710	191120A	12/2020	1000	997	P/F	L/F
CCV	B. Spencer	3/25/20	1322	200221A	09/2021	100	103	P/F	L/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	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	B. Spencer	3/25/20	0713	190619B	12/2020	7.02	20.85	7.02	-32.7	P/F	L/F
Calibr.	B. Spencer	3/25/20	0716	200221A	09/2021	4.00	20.93	4.00	142.1	P/F	L/F
Calibr.	B. Spencer	3/25/20	0720	190618C	12/2020	10.05	20.93	10.03	-201.0	P/F	L/F
ICV	B. Spencer	3/25/20	0721	190618C	12/2020	10.04	21.14	10.02	-200.7	P/F	L/F
CCV	B. Spencer	3/25/20	1325	200221A	09/2021	4.00	21.19	4.06	137.9	P/F	L/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)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last 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:

Little River

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

Curtis Musson

Project ID: SMP

Collected By:

Curtis Musson

Sampling Agency:

FDEP

Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date 3/25/20 Time 1051		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID		WIN ID / FILED ID →		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 93.2		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) —	
WIN/STOR		Location G1WA0020 Little River 100 meters upstream of SR 12		Temp (C) 21.57		pH 6.65		Sample Depth 0.25		Sp. Conductance (umho/cm) 92	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.04		Comments	
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/25/20 Time 0943		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID		WIN ID / FILED ID →		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 91.0		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) —	
WIN/STOR		Location G1WA0073 Little River 100 meters upstream of US 90		Temp (C) 21.43		pH 6.48		Sample Depth 0.3		Sp. Conductance (umho/cm) 95	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.04		Comments	
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/25/20 Time 0856		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID		WIN ID / FILED ID →		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 62.9		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) —	
WIN/STOR #		Location G1WA0091 Double Branch at CR159		Temp (C) 20.75		pH 5.86		Sample Depth 0.1		Sp. Conductance (umho/cm) 0.02	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.02		Comments	
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/25/20 Time 1211		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID		WIN ID / FILED ID →		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 93.0		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) —	
WIN/STOR #		Location G1WA0075 Lewis Creek Upstream of 157		Temp (C) 23.43		pH 6.51		Sample Depth 0.1		Sp. Conductance (umho/cm) 68	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.03		Comments	

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

ABP

3-25-20/11301

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By: Curtis Musson

Collected By: Curtis Musson

Sampling Agency: FDEP

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/25/20 Time 1132		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s) (See pg 2)	
Field ID		WIN ID / FILED ID → G1WA0087		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 93.8		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) —	
WIN/STORET Location		Willacoochee Creek at 161		Temp (C) 21.38		pH 6.48		Sample Depth 0.15		☐ ft ☒ m Sp. Conductance (umho/cm) 68	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.03		Comments	
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/25/2020 Time 0821		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID		WIN ID / FILED ID → G1WA0086		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 90.1		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) —	
WIN/STORET Location		Little River at Highbridge Road		Temp (C) 21.41		pH 6.56		Sample Depth 0.3		☐ ft ☒ m Sp. Conductance (umho/cm) 95	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.04		Comments	
Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date 3/25/20 Time 1209		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID		WIN ID / FILED ID → G1WA0093		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 98.6		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) —	
WIN/STORET Location		Richlander Creek at CR 65B		Temp (C) 20.85		pH 6.67		Sample Depth 0.2		☐ ft ☒ m Sp. Conductance (umho/cm) 62	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) 0.03		Comments	
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date 3/25/20 Time 1138		☒ Eastern ☐ Central		Composite end Date Time		Bottle Group(s)	
Field ID		WIN ID ID ↓ G1WA0087 Field ID ↑		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen —		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L) —	
WIN/STORET Location		Willacoochee Creek at 161		Temp (C) —		pH —		Sample Depth 0.15		☐ ft ☒ m Sp. Conductance (umho/cm) —	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) —		Comments Field Duplicate	

Relinquished By: Curtis Musson	Date/Time 3/25/20 13:01	Shipping Method Drop off	Number of Coolers Shipped: 3	Received By: AAR	Date/Time 3-25-20/13:01
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Little River

last revised Jan 25, 2018

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By:

CURTIS MUSSON

Project ID: SMP

Collected By:

CURTIS MUSSON

Sampling Agency:

FDEP

Location		☐ Comp ☒ Grab		Collection (comp begin or grab) Date <u>3/25/20</u> Time <u>0922</u>		☒ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s) (See pg 2)	
Field ID		WIN ID / FILED ID →  G1WA0098		Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>		Diss. Oxygen <u>96.9</u>		☐ mg/L ☒ % sat		Total Res. Chlorine (mg/L) _____	
WIN/STORET		Location  Hurricane Creek at US 90		Temp (C) <u>21.12</u>		pH <u>6.90</u>		Sample Depth <u>0.1</u>		☐ ft ☒ m	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) <u>0.07</u>		Comments	
Location		FILED ID →  FB_03252020		Matrix (type, e.g., Salt, Fresh, etc) <u>Blank (DL)</u>		Diss. Oxygen _____		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L) _____	
WIN/STORET		Location  Willacoochee Creek at 161		Temp (C) _____		pH _____		Sample Depth _____		☐ ft ☐ m	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt) _____		Comments <u>Field Blank</u>	
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	
Location		☐ Comp ☐ Grab		Collection (comp begin or grab) Date _____ Time _____		☐ Eastern ☐ Central		Composite end Date _____ Time _____		Bottle Group(s)	
Field ID		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
WIN/STORET #		Temp (C)		pH		Sample Depth		☐ ft ☐ m		Sp. Conductance (umho/cm)	
Latitude		☐ dd ☐ dms		Longitude		☐ dd ☐ dms		Salinity (ppt)		Comments	

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By: <u>ABP</u>	Date/Time <u>3-25-20/13:01</u>
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Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	0
	CHLSUITE-W						
Group: A	Bottle Type:	P-250ML-WO-THI	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ECOLI-18QT						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	W-E8321-DI W-E8321-MS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3
	W-ICP W-ICPMS			Lot# NA9189080 Exp: 7-8-2020			
Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			Lot# SA9203100 Exp: 7-22-2020			
Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	0
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F						

Group: B	Bottle Type:	P-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>6</u>
	W-SO4-IC				
	W-TDS				
	W-TSS				
Group: B	Bottle Type:	BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>6</u>
	CHLSUITE-W				
Group: B	Bottle Type:	P-250ML-WO-THI	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>6</u>
	ECOLI-18QT				
Group: B	Bottle Type:	P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>6</u>
	W-NH3			Lot# SA9203100	
	W-NO2NO3			EXP: 7-22-2020	
	W-S-A-TP				
	W-TKN				
	W-TOC				
Group: B	Bottle Type:	P-125ML	# of Bottles: 6	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab <u>6</u>
	W-PO4-F				
Group: C	Bottle Type:	P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	ALKALINITY				
	TURBIDITY				
	W-CL-IC				
	W-COLOR				
	W-F				
	W-SO4-IC				
	W-TDS				
	W-TSS				
Group: C	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab <u>1</u>
	W-E8321-DI				
	W-E8321-MS				
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab <u>1</u>
	W-ICP			Lot# NA9189080	
	W-ICPMS			EXP 7.8.20	
Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab <u>1</u>
	W-NH3				

Group: C	Bottle Type:	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				

Group: C	Bottle Type:	P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab
	W-PO4-F				

Cooler Packing Worksheet for Request: RQ-2020-03-23-21

Little River

Ship Cooler On: 3/19/2020

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:

No preservatives needed.

Group A: Nutrients, E. coli, Metals, Tracers x 2

Group A: Little River At Highbridge Road, Willachoochee Creek At 161, DUP

Group B: Nutrients, E. coli x 6

Group C: Nutrients, Metals, Tracers

Field Blank

Packing Notes:

No Fedex Labels

No Trash Bags

No Bubblewrap

Requested Analyses:

Bottle Group: A

of Sites: 3

Container ID: P-1L

Qty: 3 Preservation: ICE

Lot # 00676981

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 (not valid for NPDES monitoring)

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: 3 Preservation: ICE

Lot # 1268908

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: 3 Preservation: ICE

Lot # 119267

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: BG-500ML

Qty: 3 Preservation: ICE

Lot # 00075651

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: 3 Preservation: HNO3

Lot # 00076673

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: 3 Preservation: ICE And H2SO4

Lot # 00076673

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: 3 Preservation: FILTER-ICE

Lot # 00076883

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: 6

Container ID: P-1L

Qty: 6 Preservation: ICE

Lot # 00075981

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 (not valid for NPDES monitoring)

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 # 1268908

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: 6 Preservation: ICE

Lot # 419267

Description: 250 ml Sterilized no tablet

Analysis

ECOLI-18QT

Description

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

Container ID: P-500ML

Qty: 6 Preservation: ICE And H2SO4

Lot # 00076643

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: 6 Preservation: FILTER-ICE

Lot # 00076883

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-1L

Qty: 1 Preservation: ICE

Lot # 00076640

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 (not valid for NPDES monitoring)

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: BG-500ML

Qty: 1 Preservation: ICE

Lot # 00075651

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 # 00076643

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 # 00076643

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 # 00076883

Description: Plastic Bottle 125 mL

Analysis

W-PO4-F

Description

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

Cooler Packed By: AK

Number of Coolers: 3

Date: 3-16-20

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

PLEASE RETURN ALL COOLERS FOR RQ-2020-03-23-21