FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET
January 2019

Data Qualified? Yes / (No)

WIN Station Name: Double Branch at CR159 **Date:** 12/18/19 (mm/dd/yyyy)

WIN ID/ Field ID G1WA0091 **WBID:** 630 **Latitude:** 30.5502 (Decimal Degrees)

County: Leon **ORG ID:** 21FLWQA **Longitude:** -84.4265 (Decimal Degrees)

Receiving Body of Water: Ochlockonee River **RQ -** 2019-11-04-27

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

Sampling Equipment

- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with: Meter Stick
- Equipment ID

Collection Method

- [x] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low/ (Normal)/ High/ Flooded

Meter ID# Biology #2

Matrix: (Fresh)/ Marine / DI

Photos: Yes / No

Flow: No Flow / Intestital / (Flowing)/ NA

Tide: Rising/ Falling/ Slack/ (NA)

Tide Times: High NA Low NA (Bracket Sample Time)

Field Sample

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)	1311	0.2	0.1	VOB	10.08	94.1	6.51	0.02	51	12.20
CEN										

Biological Samples Collected: (None) 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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	9129100	5/7/20	[x] <2
Metals	[x] W-ICPMS [x] W-ICP	[x] Ice [x] HNO_3	9189080	7/8/20	[x] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[ ] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[ ] PCR-FILTER [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-HF183 [ ] PCR-DG3 [ ] PCR-GFD	[ ] Ice			
Tracers	[ ] W-E3821-MS [ ] W-E32821-DI	[ ] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-E3821-MS [ ] W-CT-CL-R [ ] W-PCL-SQ-R [ ] W-E3821-DI [ ] W-CARB-AA	[ ] Ice			
Phytoplankton	[ ] DTY-QN-C [ ] PKD-QN-C	[ ] Ice			

QA/QC Sample Information

Duplicate

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

WIN DMT Activity ID:

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_2SO_4			☐ < 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			
Microbiology	☐ E Coli ☐ F Coli ☐ Enterococci	☐ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E-3821-MS ☐ W-CARB-AA	☐ Ice			

Place Preservative Sticker(s) Here (If Available)

Blank

Time Zone: EST CEN **Time:** _____ **Field ID:** _____ (Blank Type_MMDDYYYY)

DI Source: Lab Building C **Location:** _____

☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank **Equipment ID:** _____

WIN DMT Blank Batch ID:

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_2SO_4			☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO_3			☐ < 2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ 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			
Tracers	☐ W-E3821-MS ☐ W-E3821-DI	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-E3821-DI ☐ W-CT-CL-R ☐ W-PCL-SQ-R ☐ W-E3821-MS ☐ W-CARB-AA	☐ Ice ☐ Other _____			
Microbiology	☐ E.coli ☐ F. Coliform ☐ Entrococci				

Notes:

WIN ID / FILED ID → G1WA0091

Location: Double Branch at CR159

Signature: Cynthia Mary **Date:** 12/18/19

LIMS EVENT ID: WAS-SECT-2019-12-18-02 **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID in LIMS DMT: [illegible] 12/19/19 (Initials/Date) **QC Station ID, Field Parameters in LIMS DMT:** CM 12/30/19 (Initials/Date)

Scan/Save Field Sheets _____ (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data in WIN:** _____ (Initials/Date)

Request Number: RQ-2019-11-04-27

Group 2

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: WAS-SECT

Project ID: SMP

Requester: Curtis Musson

Collected By: Curtis Musson

Field Report Prepared By: Curtis Musson

Sampling Agency: FDEP

Location

Field ID: WIN ID / FILED ID → G1WA0093

WIN/STORET # Location: Richlander Creek at CR 65B

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 12.18.20 Time 1240 Eastern ~~Central~~ | Composite end Date — Time — | Bottle Group(s) (See pg 2)

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 98.9 ☐ mg/L ☑ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 11.35 | pH 6.81 | Sample Depth 0.1 ☐ ft ☑ m | Sp. Conductance (umho/cm) 60 | A

Salinity (ppt) 0.03 | Comments

Location

Field ID: WIN ID / FILED ID → G1WA0091

WIN/STORET # Location: Double Branch at CR159

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 12.18.19 Time 1311 Eastern ~~Central~~ | Composite end Date — Time — | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 94.1 ☐ mg/L ☑ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 12.20 | pH 6.51 | Sample Depth 0.1 ☐ ft ☑ m | Sp. Conductance (umho/cm) 51 | A

Salinity (ppt) 0.02 | Comments

Location

Field ID: WIN ID / FILED ID → G1WA0075

WIN/STORET # Location: Lewis Creek Upstream of 157

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 12.18.19 Time 1341 Eastern ~~Central~~ | Composite end Date — Time — | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 97.7 ☐ mg/L ☑ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 13.97 | pH 6.87 | Sample Depth 0.15 ☐ ft ☑ m | Sp. Conductance (umho/cm) 63 | A

Salinity (ppt) 0.03 | Comments

Location

Field ID

WIN/STORET #

Latitude ☐dd ☐dms | Longitude ☐dd ☐dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time | Eastern Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Curtis Musson	12.18.19 1446	Handoff	1		12/18/19 1446

Group: A	Bottle Type: P-1L	# of Bottles: 5	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: 5	Preservative: ICE	Enter Number of Bottles Sent to Lab 3
	CHLSUITE-W			

Group: A	Bottle Type: P-120ML-WC-THI	# of Bottles: 10	Preservative: ICE	Enter Number of Bottles Sent to Lab 6
	ECOLI-18QT			

Group: A	Bottle Type: P-500ML	# of Bottles: 5	Preservative: HNO3	Enter Number of Bottles Sent to Lab 3
	W-ICP W-ICPMS		HNO3 LOT# NA9189080 F-EXP: 07/08/20	

Group: A	Bottle Type: P-500ML	# of Bottles: 5	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab 3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC		H2S04 LOT# SA9129100 EXP: 05/09/2020	

Group: A	Bottle Type: P-125ML	# of Bottles: 5	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab 0
	W-PO4-F			

Group: B	Bottle Type: P-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab 0
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			

Group: B	Bottle Type:	BP-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
	CHLSUITE-W						
Group: B	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
	ECOLI-18QT						
Group: B	Bottle Type:	QPCR-P-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
	PCR-BACR PCR-DG3 PCR-HF183						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
	W-E8321-DI W-E8321-MS						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab**	0
	W-ICP W-ICPMS						
Group: B	Bottle Type:	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	0
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: B	Bottle Type:	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	0
	W-PO4-F						
Group: C	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
	ECOLI-18QT						

RQ-2019-12-16-47

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- 2019-11-04-27 Project: SnP / BMAP

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.	Curtis Musson	12/18/19	629	19.16	760	9.239	9.25	100.0	68.6	-	P / F	P / F
ICV	Curtis Musson	12/18/19	630	19.16	760	9.239	9.24	100.0	67.6	-	P / F	P / F
CCV	Blake Spencer	12/18/19	1512	15.91	760	9.891	9.99	101.1	65.5	-	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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Musson	12/18/19	632	190618F	06/2020	1000	1000	P / F	P / F
ICV	Curtis Musson	12/18/19	633	190618F	06/2020	1000	1000	P / F	P / F
CCV	Blake Spencer	12/18/19	1515	29085.81	08/2021	100	103	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	Curtis Musson	12/18/19	636	190618B	12/2020	7.02	20.03	7.02	-34.8	P / F	P / F
Calibr.	Curtis Musson	12/18/19	641	191120A	06/2021	4.00	19.94	4.00	14.0	P / F	P / F
Calibr.	Curtis Musson	12/18/19	645	190618C	12/2020	10.05	19.95	10.02	-20.5	P / F	P / F
ICV	Curtis Musson	12/18/19	647	190618C	12/2020	10.05	19.67	10.02	-20.3	P / F	P / F
CCV	Blake Spencer	12/18/19	1517	191120A	06/2021	4.00	19.67	4.02	132.3	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 ± 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	Curtis Musson	12/18/20	635	0.00	0.000	P / F	P / F

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

COMMENTS:

Form effective August 1, 2018

Cooler Packing Worksheet for Request: RQ-2019-11-04-27
Group 2
Ship Cooler On: 10/31/2019
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: Nutrients, Metals, E. coli
WBIDs 1154, 512, 680, 440, 630: Big Branch, Willson Mill Creeks. Richlander, Lewis C., Double B.

Group B: Nutrients E. coli, Metals, Tracers, qPCR
WBID 1075 Stone Mile

Group C: E. coli
WBID 885, Coon Creek

Packing Notes:
No FedEx Labels
No Trash Bags
1 - case of sulfuric acid/2 sets of labels
1 - case of nitric acid/2 sets of labels

Requested Analyses:

Bottle Group: A **# of Sites: 5**

Container ID: P-1L **Qty: 5** **Preservation: ICE** **Lot #** 0007529G

Description: Plastic Bottle 1L

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

Container ID: BP-1L **Qty: 5** **Preservation: ICE** **Lot #** 1259820

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

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Container ID: P-120ML-WC-THI **Qty: 10** **Preservation: ICE** **Lot #** 8105-TN

Description: 120 ml Sterilized White Cap with tablet

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Container ID: P-500ML **Qty: 5** **Preservation: HNO3** **Lot #** 0G075342

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Container ID: P-500ML **Qty: 5** **Preservation: ICE And H2SO4** **Lot #** 0G075342

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	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: 5** **Preservation: FILTER-ICE** **Lot #** 0007443O(3)
0G075709 (2)

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	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 #** 00075290

Description: Plastic Bottle 1L

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

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Container ID: BP-1L **Qty: 1** **Preservation: ICE** **Lot #** 1259820

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

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Container ID: P-120ML-WC-THI **Qty: 2** **Preservation: ICE** **Lot #** 8205-TN

Description: 120 ml Sterilized White Cap with tablet

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Container ID: QPCR-P-500ML **Qty: 1** **Preservation: ICE** **Lot #** 00073849

Description: 500ml Sterile Nalgene Affix PCR Instruction Label to container

Analysis	Description
PCR-BACR	Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction
PCR-DG3	Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183	Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

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Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 00075224

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description

W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: P-500ML **Qty: 1** **Preservation: HNO3** **Lot #** 00075342

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	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 #** 00075342

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	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 #** 00075709

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: C # of Sites: 1

Container ID: P-120ML-WC-THI **Qty: 2** **Preservation: ICE** **Lot #** 8L05-TN

Description: 120 ml Sterilized White Cap with tablet

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Cooler Packed By: KK Number of Coolers: _____ Date: 10·28·19

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	Sulfuric Acid	Exp	7·22·20	Lot #	SA 9203100
ID	Nitric Acid	Exp	7·8·20	Lot #	NA 9189080
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2019-11-04-27