



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?
Yes / No

WIN Station Name: Alligator Creek upstream of Bentley Rd.

Date: 05/01/2019

WIN/ Field ID: G3WA0004

WBID: 123

Latitude: 30.8735

(mm/dd/yyyy)

County: Jackson

ORG ID: 21FLWQA

Longitude: -85.4723

(Decimal Degrees)

Receiving Body of Water: Holmes Creek

RQ- 2019-04-29-30

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
Curtis Musson											☒ Sample Container	☐ Van Dorn	☐ Pole		
Blake Spencer											☐ Carboy	☒ Syringe			
											☐ 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				Matrix: <u>Fresh</u> / Marine / DI					
Photos: Yes / <u>No</u>						Flow: No Flow / Intestinal / <u>Flowing</u> / NA				Tide: Rising / Falling / Slack / NA					
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	10:52	0.4	0.2	VOB	7.15	81.6	5.87	0.04	81	22.1					
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		SA8344070	12/10/19	<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-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													
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													
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C				☐ Ice									
Notes: Nutrients E. Coli BacR, HF183 Tracers											WIN ID / FILED ID → G3WA0004 Location Alligator Creek upstream of Bentley Rd.				
Signature: <u>[Signature]</u>											Date: <u>5/1/19</u>				

Contains 1:1 H2SO4
Lot No. SA8344070
Expires 12/10/19
See Safety Data Sheet (SDS)

Contains 1:1 H2SO4
Lot No. SA8344070
Expires 12/10/19
See Safety Data Sheet (SDS)

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

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT: 6/1/19

QC Station ID, Field Parameters In LIMS DMT: 6/1/19

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 page.

Meter ID: B012

RQ: 2019-04-29-30

Project: SMP/NWBT

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 Mussen	5/1/19	7:03	20.79	8.950	8.95	100.0	28.8	—	☒ F	☒ F
ICV	Curtis Mussen	5/1/19	7:04	20.81	8.950	8.95	100.0	28.8	—	☒ F	☒ F
CCV	Blake Spencer	5/1/19	1459	22.71	8.627	8.71	101.3	32.9	—	☒ F	☒ 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 hos/cm	Meter Reading μ hos/cm	Pass / Fail	Lab / Field
Calibr.	Curtis Mussen	5/1/19	7:06	180927D	10/2019	500	500	☒ F	☒ F
ICV	Curtis Mussen	5/1/19	7:09	180927D	10/2019	500	500	☒ F	☒ F
CCV	Blake Spencer	5/1/19	1502	2808884	07/2020	100	103	☒ F	☒ 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.	Curtis Mussen	5/1/19	7:10	180403C	10/2019	7.02	7.02	-16	☒ F	☒ F
Calibr.	Curtis Mussen	5/1/19	7:16	180621D	07/2019	4.00	4.00	158	☒ F	☒ F
Calibr.	Curtis Mussen	5/1/19	7:20	180621F	01/2020	10.05	10.00	-186	☒ F	☒ F
ICV	Curtis Mussen	5/1/19	7:23	180621D	07/2019	4.00	4.02	157	☒ F	☒ F
CCV	Blake Spencer	5/1/19	1504	180621F	01/2020	10.05	9.97	-182.0	☒ F	☒ 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 FormCustomer: WAS-SECT
Project ID: SMP

Requester: Curtis Musson

Field Report Prepared By:

Collected By:

Sampling Agency:

Location		WIN ID / FILED ID	Matrix (type, e.g., Salt, Fresh, etc)	Temp (C)	pH	Salinity (ppt)	Collection (comp begin or grab)	Sample Depth	Sp. Conductance (umho/cm)	Total Res. Chlorine (mg/L)	Bottle Group(s)
Field ID	WIN ID / FILED ID	G3WAA0013	Fresh	25.50	5.25	0.02	Comp	0.05	41	—	C
WIN/STORET #	Location	Unnamed Creek at Palmview Rd									
Latitude	Longitude										
Location	WIN ID / FILED ID	G3WAA0010	Fresh	24.09	5.03	0.02	Comp	0.15	36	—	C
Field ID	WIN ID / FILED ID	G3WAA0010	Fresh	24.09	5.03	0.02	Comp	0.15	36	—	C
WIN/STORET #	Location	Unnamed Creek at Woodrest Rd									
Latitude	Longitude										
Location	WIN ID / FILED ID	G3WAA0005	Fresh	21.82	5.86	0.02	Comp	0.3	50	—	B
Field ID	WIN ID / FILED ID	G3WAA0005	Fresh	21.82	5.86	0.02	Comp	0.3	50	—	B
WIN/STORET #	Location	Alligator Creek Upstream of SR 273									
Latitude	Longitude										
Location	WIN ID / FILED ID	G3WAA0008	Fresh	21.28	6.09	0.03	Comp	0.05	37	—	A
Field ID	WIN ID / FILED ID	G3WAA0008	Fresh	21.28	6.09	0.03	Comp	0.05	37	—	A
WIN/STORET #	Location	Minnow Creek At Lovewood Rd									
Latitude	Longitude										

Relinquished By: *MMH* Date/Time: 5/11/19 1433 Shipping Method: HD Number of Coolers Shipped: 4 Received By: KK Date/Time: 5.1.19 / 19:35

Florida Department of Environmental Protection
 Central Laboratory Submittal Form

Customer: WAS-SECT
 Project ID: SMP

Requester: Curtis Musson
 Collected By: Blake Spencer, Curtis Musson

Field Report Prepared By: Blake Spencer
 Sampling Agency: FNEP

Location	WIN ID / FILED ID →	G3WA00011	☐ Comp	Collection (comp begin or grab)	5/1/19	1146	☒ Eastern	Composite end	Time	Bottle Group(s)	
Field ID	WIN ID / FILED ID →	G3WA00011	☐ Grab	Matrix (type, e.g., Salt, Fresh, etc)	Fresh		☐ mg/L	Total Res. Chlorine		(See pg 2)	
WIN/STORET #	Location	Pine Barn Creek at Woodrest Rd	Temp (C)	21.55	pH	5.36	Sample Depth	0.2	ft	Sp. Conductance (umho/cm)	49
Latitude	dd	Longitude	dd	Salinity (ppt)	0.02	Comments					
Location	WIN ID / FILED ID →	G3WA00009	☐ Comp	Collection (comp begin or grab)	5/1/19	1123	☒ Eastern	Composite end	Time	Bottle Group(s)	
Field ID	WIN ID / FILED ID →	G3WA00009	☐ Grab	Matrix (type, e.g., Salt, Fresh, etc)	Fresh		☐ mg/L	Total Res. Chlorine			
WIN/STORET #	Location	Scurluck Creek at Pilgrim Rd	Temp (C)	20.11	pH	5.76	Sample Depth	0.15	ft	Sp. Conductance (umho/cm)	148
Latitude	dd	Longitude	dd	Salinity (ppt)	0.07	Comments					
Location	WIN ID / FILED ID →	G3WA00004	☐ Comp	Collection (comp begin or grab)	5/1/19	1052	☒ Eastern	Composite end	Time	Bottle Group(s)	
Field ID	WIN ID / FILED ID →	G3WA00004	☐ Grab	Matrix (type, e.g., Salt, Fresh, etc)	Fresh		☐ mg/L	Total Res. Chlorine			
WIN/STORET #	Location	Alligator Creek upstream of Bentley Rd.	Temp (C)	22.11	pH	5.87	Sample Depth	0.2	ft	Sp. Conductance (umho/cm)	81
Latitude	dd	Longitude	dd	Salinity (ppt)	0.04	Comments					
Location	WIN ID / FILED ID →	G3WA00006	☐ Comp	Collection (comp begin or grab)	5/1/19	1031	☒ Eastern	Composite end	Time	Bottle Group(s)	
Field ID	WIN ID / FILED ID →	G3WA00006	☐ Grab	Matrix (type, e.g., Salt, Fresh, etc)	Fresh		☐ mg/L	Total Res. Chlorine			
WIN/STORET #	Location	Little Alligator Creek at SR 273	Temp (C)	22.35	pH	6.07	Sample Depth	0.1	ft	Sp. Conductance (umho/cm)	29
Latitude	dd	Longitude	dd	Salinity (ppt)	0.04	Comments					

Relinquished By:	Date/Time	5/1/19 1433	Shipping Method	HA	Number of Coolers Shipped:	4	Received By:	HK	Date/Time	5-1-19 14:35
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Group: A	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: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: PCR-FILTER	QPCR-P-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-CARB-AA	BG-500ML	# of Bottles: 1	Preservative: CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-CT-CL-R W-PCL-SQ-R	BG-500ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: A	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 1	Preservative: HNO3 LOT# N48344050 EXP: 12/10/2019	Enter Number of Bottles Sent to Lab	1
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4 H2SO4 LOT# S48344070 EXP: 12/10/2019	Enter Number of Bottles Sent to Lab	1

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: 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-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# W6324050 Exp: 12/10/2019	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# S86344070
Exp: 12/10/2019

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: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: CHLSUTE-W	BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: ECOLI-18QT	P-250ML-WO-THI	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: PCR-BACR PCR-HF183	QPCR-P-500ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
H2SO4 LOT# S86344076 Exp: 12/10/2019						
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 6	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	6

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 # 00073854

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 # 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 # 6F21-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	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: 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 # 65-217N
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 # 007070
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 # 0007353
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 # 00072877
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.

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 # 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

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: 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 Colilert 18 Quanti-Tray method - non-chlorinated water systems

Container ID: QPCR-P-500ML

Qty: 6 Preservation: ICE

Lot # 5070171

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 # 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: 6 Preservation: ICE And H2SO4

Lot # 5072877

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 # 5073850

Description: Plastic Bottle 125 mL

Analysis
W-PO4-F

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

Cooler Packed By: MBJ

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 - H2SO4	Exp	Lot #
LOT# SA9010030	Exp	Lot #
ID - EXP: 04/10/2020	Exp	Lot #
ID	Exp	Lot #
ID MCA	Exp 1-1120	Lot # 8730

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