

LIMS EVENT ID: WAS-SECT-2019-05-01-02 WIN Import ID: _____
 Enter Field Parameters, Verify Station ID In LIMS DMT: 6/11/19 QC Station ID, Field Parameters In LIMS DMT: AWM 6/14/19
(Initials/Date) (Initials/Date)
 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: **SNP/1/1/1**

- 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	8.950	8.95	100.0	28.8	-	☒ F	☒ F
ICV	Curtis Musson	5/1/19	7:04	20.81	8.950	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										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.	Curtis Musson	5/1/19	7:06	180927D	10/2019	500	500	☒ F	☒ F
ICV	Curtis Musson	5/1/19	7:09	180927D	10/2019	500	500	☒ F	☒ F
CCV	Blake Spencer	5/1/19	15:02	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 Musson	5/1/19	7:10	180403C	10/2019	7.02	7.02	-16	☒ F	☒ F
Calibr.	Curtis Musson	5/1/19	7:16	180621D	07/2019	4.00	4.00	158	☒ F	☒ F
Calibr.	Curtis Musson	5/1/19	7:20	180621F	01/2020	10.05	10.04	-186	☒ F	☒ F
ICV	Curtis Musson	5/1/19	7:23	180621D	07/2019	4.00	4.02	157	☒ F	☒ F
CCV	Blake Spencer	5/1/19	15:04	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:

Request Number: RA-2019-04-29-30

NWCI - Alligator Creek

Customer: WAS-SECT

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Location		WIN ID / FILED ID		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID	Location	WIN ID / FILED ID	FILED ID	Grab	Date	Time	Eastern Central	Date	Time	mg/L Total Res. Chlorine	(See pg 2)
WIN/STORET #	Location	WIN/STORET #	Location	Temp	Salinity	pH	Sample Depth	Sp. Conductance			
	Unnamed Creek at Palmview Rd			(C) 25.50	(ppt) 0.02	5.25	0.05	41			C
Location		WIN ID / FILED ID	FILED ID	Comp	Collection (comp begin or grab)	Comments	Eastern Central	Composite end	Time		
Field ID	Location	WIN ID / FILED ID	FILED ID	Grab	Date	Time	Eastern Central	Date	Time	mg/L Total Res. Chlorine	Bottle Group(s)
WIN/STORET #	Location	WIN/STORET #	Location	Temp	Salinity	pH	Sample Depth	Sp. Conductance			
	Unnamed Creek at Woodcrest Rd			(C) 24.09	(ppt) 0.02	5.03	0.05	36			C
Location		WIN ID / FILED ID	FILED ID	Comp	Collection (comp begin or grab)	Comments	Eastern Central	Composite end	Time		
Field ID	Location	WIN ID / FILED ID	FILED ID	Grab	Date	Time	Eastern Central	Date	Time	mg/L Total Res. Chlorine	Bottle Group(s)
WIN/STORET #	Location	WIN/STORET #	Location	Temp	Salinity	pH	Sample Depth	Sp. Conductance			
	Alligator Creek Upstream of SR 273			(C) 21.82	(ppt) 0.02	5.86	0.3	50			B
Location		WIN ID / FILED ID	FILED ID	Comp	Collection (comp begin or grab)	Comments	Eastern Central	Composite end	Time		
Field ID	Location	WIN ID / FILED ID	FILED ID	Grab	Date	Time	Eastern Central	Date	Time	mg/L Total Res. Chlorine	Bottle Group(s)
WIN/STORET #	Location	WIN/STORET #	Location	Temp	Salinity	pH	Sample Depth	Sp. Conductance			
	Mimow Creek At Lovewood Rd			(C) 21.28	(ppt) 0.03	6.09	0.05	41			A
Location		WIN ID / FILED ID	FILED ID	Comp	Collection (comp begin or grab)	Comments	Eastern Central	Composite end	Time		
Field ID	Location	WIN ID / FILED ID	FILED ID	Grab	Date	Time	Eastern Central	Date	Time	mg/L Total Res. Chlorine	Bottle Group(s)
WIN/STORET #	Location	WIN/STORET #	Location	Temp	Salinity	pH	Sample Depth	Sp. Conductance			
				(C) 21.28	(ppt) 0.03	6.09	0.05	41			A

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

Project ID: SMP

Requester: Curtis Musson

**Florida Department of Environmental Protection
Central Laboratory Submittal Form**

Page 1 of 4
last revised Jan 25, 2018

Field Report Prepared By:

Sampling Agency:

Date: <u>5/11/19</u> Station: <u>FWP</u>																
Sampling Agency: <u>FWP</u>																
Location	WIN ID / FILED ID →	G3WA0011		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date	5/11/19	Time	1146	☒ Eastern	Composite end	Date		Time	Bottle Group(s)
WIN/STORET #	Location	Pine Barn Creek at Woodrest Rd			Matrix (type, e.g., Salt, Fresh, etc)							Diss. Oxygen	30.0	☐ mg/L	Total Res. Chlorine	(See pg 2)
Latitude	☐ dd	Longitude	☐ dms	☐ Temp	21.55	☐ pH	5.36	Sample Depth	0.2	☐ ft	☒ m	Sp. Conductance	49	(umho/cm)		C
Location	WIN ID / FILED ID →	G3WA0009		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date	5/11/19	Time	1125	☒ Eastern	Composite end	Date		Time	Bottle Group(s)
WIN/STORET #	Location	3curlock Creek at Pilgrim Rd			Matrix (type, e.g., Salt, Fresh, etc)							Diss. Oxygen	20.7	☐ mg/L	Total Res. Chlorine	
Latitude	☐ dd	Longitude	☐ dms	☐ Temp	20.11	☐ pH	5.76	Sample Depth	0.5	☐ ft	☒ m	Sp. Conductance	448	(umho/cm)		C
Location	WIN ID / FILED ID →	G3WA0004		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date	5/11/19	Time	1052	☒ Eastern	Composite end	Date		Time	Bottle Group(s)
WIN/STORET #	Location	Alligator Creek upstream of Bentley Rd.			Matrix (type, e.g., Salt, Fresh, etc)							Diss. Oxygen	91.6	☐ mg/L	Total Res. Chlorine	
Latitude	☐ dd	Longitude	☐ dms	☐ Temp	22.11	☐ pH	5.87	Sample Depth	0.2	☐ ft	☒ m	Sp. Conductance	81	(umho/cm)		C
Location	WIN ID / FILED ID →	G3WA0006		☐ Comp	Collection (comp begin or grab)	☒ Grab	Date	5/11/19	Time	1031	☒ Eastern	Composite end	Date		Time	Bottle Group(s)
WIN/STORET #	Location	Little Alligator Creek at SR 273			Matrix (type, e.g., Salt, Fresh, etc)							Diss. Oxygen	35.4	☐ mg/L	Total Res. Chlorine	
Latitude	☐ dd	Longitude	☐ dms	☐ Temp	22.35	☐ pH	6.07	Sample Depth	0.1	☐ ft	☒ m	Sp. Conductance	79	(umho/cm)		C

Relinquished By:

Date/Time

5/1/19 1433

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

5:1:19 / 14:35

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-TH	# 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						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
	W-CARB-AA						
Group: A	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
	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	1
	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						
	W-ICPMS						
</							

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: ECOLL-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# M834A058 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# SMC3A070
Exp: 12/16/2019

Group: B	Bottle Type: P-125ML	# of Bottles: 1	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	1
	W-PO4-F				
Group: C	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				
	W-SO4-IC				
	W-TDS				
	W-TSS				
Group: C	Bottle Type: BP-1L	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
	CHLSUTE-W				
Group: C	Bottle Type: P-250ML-WO-THI	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
	ECOLI-18QT				
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: BG-500ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	6
	W-E8321-DI				
	W-E8321-MS				
Group: C	Bottle Type: P-500ML	# of Bottles: 6	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	6
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				
			H2SO4 LOT# S86344070 EXP: 12/18/2019		
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 # 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 # 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 # GF21-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 # 507070

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 # 05072877

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 # 05072877

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 # 05073850

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 # 05073858

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 # 05073854

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 # 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 # 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 # 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 # 0072877

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 # 55072977

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 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 # 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: 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: 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 #
ID - 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