



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

Harbinwood Estates Drain

WIN Station Name:

Date: 2/14/2018

WIN ID/ Field ID: G1WA0034

WBID: 746A

Latitude: 30.5193

(mm/dd/yyyy)

County: Leon

ORG ID: 21FLWQA

Longitude: -84.3357

(Decimal Degrees)

Receiving Body of Water: Lake Jackson

RQ - 2018-01-22-53

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Duplicate Collection	Blank Collection	Sampling Equipment			
Ben Ralys		X	X		X	X	X	X	☒ Sample Container	☐ Van Dorn	☐ Pole	
Blake Spencer					X	X	X		☐ Carboy	☐ Syringe		
Carlos Morsa					X	X			☐ 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/ <u>NA</u>			Tide Times: High NA Low NA				

Field Sample

(Bracket Sample Time)

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	1240	0.3	0.15	VOB	9.34	97.8	7.95	0.05	102	17.42
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	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H2SO4	7275010	10/2/16	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	7261120	9/18/18	☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice	10827054		
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-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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains 1:1 Sulfuric Acid
Lot No: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Contains
1:1
Nitric Acid
IA-7261120
XP: 09/18/18
See SDS

Contains 1:1 Sulfuric Acid
Lot No: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Harbinwood Estates Drain

WIN ID



G1WA0034

QA/QC Sample Information

Duplicate

QC DUP

Time Zone: EST	CEN	Time: 1210	Field ID: G1WA0034-DUP	(WIN ID + DUP)	
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 ₂ SO ₄	SA7273010	10/2/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA7261120	9/18/18	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	10827054		
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-F / ☐ W-TSS / ☐ TURBIDITY	☐ 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-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R				

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Contains
1:1
Nitric Acid
NA-7261120
EXP: 09/18/18
See SDS

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Blank

QC DUP

G1WA0034_DUP

Time Zone: EST	CEN	Time: 1150	Field ID: _____	(BLANK_DMMYYYY)	
DI Source: FDOP Tallahassee Lab	Location: G1WA0034				
☒ Field Blank	☐ Equipment Blank	☐ Field Cleaned Equipment Blank	Equipment 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 ₂ SO ₄	SA7273010	10/2/18	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO ₃	NA7261120	9/18/18	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	10827054		
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-F / ☐ W-TSS / ☐ TURBIDITY	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-GFD				
Tracers	☒ W-SUC-AA-R ☒ W-UHERB-AA ☒ W-AHERB-AA				
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R				

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Contains
1:1
Nitric Acid
NA-7261120
EXP: 09/18/18
See SDS

Contains: 1:1 Sulfuric Acid
Lot No.: SA7275010
Expires: 10/02/18
See Safety Data Sheet (SDS)

Field Blank

Filed ID

Blank_02142018

Notes:

Kit-C, Bacteria
Tracers, Markers

Harbinwood Estates Drain

WIN ID/Filed ID



G1WA0034

Signature: _____

[Signature]

Date: _____

2/14/18

Enter Field Parameters, Verify Station ID In LIMS DMT: **JS 4.12.18** QC Station ID, Field Parameters In LIMS DMT: **CM 4.13.18**

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____

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- 2018-01-22-53

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.

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.	Blake Spencer	2/14/18	7:04	21.23	8.88	8.88	100.0	32.9	—	P/F	L/F
ICV	Blake Spencer	2/14/18	8:08	21.09	8.898	8.87	99.9	32.9	—	P/F	L/F
CCV	Blake Spencer	2/14/18	15:24	21.70	8.794	9.07	103.1	33.9	—	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; 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 mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	2/14/18	07:12	171005D	10/20/18	1000	1000	P/F	L/F
ICV	Blake Spencer	2/14/18	07:14	171005D	10/20/18	1000	999	P/F	L/F
CCV	Blake Spencer	2/14/18	15:27	171005E	10/20/18	100	101	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	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	2/14/18	07:17	170614B	12/20/18	7.0	7.00	9.1	P/F	L/F
Calibr.	Blake Spencer	2/14/18	07:20	170171005A	10/20/18	4.0	4.00	181.1	P/F	L/F
Calibr.	Blake Spencer	2/14/18	07:23	171005C	04/20/19	10.0	10.00	-161.3	P/F	L/F
ICV	Blake Spencer	2/14/18	07:26	171005C	04/20/19	10.00	10.00	-161.5	P/F	L/F
CCV	Blake Spencer	2/14/18	15:30	171005A	10/20/18	4.00	3.99	182.1	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)

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

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Ben Reys, Blake SpencerSampling Agency: FDEP

Location		WIN ID / FILED ID		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		(See pg 2)	
WIN/STORET #		GIWA0052		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L Total Res. Chlorine		A, C	
Latitude		30.663		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Longitude		-84.448		Salinity (ppt)		0.03		0.3		61	
Location		WIN ID/FILED ID		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		(See pg 2)	
WIN/STORET #		GIWA0034		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L Total Res. Chlorine		A, B, C	
Latitude		30.5193		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Longitude		-84.3357		Salinity (ppt)		0.05		0.15		102	
Location		WIN ID/FILED ID		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		(See pg 2)	
WIN/STORET #		GIWA0033		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L Total Res. Chlorine		A, C, D	
Latitude		30.4804		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Longitude		-84.2982		Salinity (ppt)		0.2		0.2		102	
Location		Filed ID		Collection (comp begin or grab)		Time		Composite end		Bottle Group(s)	
Field ID				Date		Time		Date		(See pg 2)	
WIN/STORET #		Blank_02142018		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		mg/L Total Res. Chlorine		A, B, C	
Latitude		30.5193		Temp (C)		pH		Sample Depth		Sp. Conductance (umho/cm)	
Longitude		-84.3357		Salinity (ppt)		0.03		0.3		61	

Relinquished By:

Blake Spencer

Date/Time

2/14/18

Shipping Method

Hand Delivered

Number of Coolers Shipped:

5

Received By:

[Signature]

Date/Time

2/14/18

Central, Godby, Harbinwood, Chicken, Megginness,
Swamp, Salem, Wards

Field Report Prepared By:

Sampling Agency: CHAP

Location		WIN ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID		QC DUP		Date 2/14/19		Date 12/0		(See pg 2)	
WIN/STORET #		G1WA0034		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		A, B, C	
Latitude		Field ID		Temp (C)		pH		D, E	
Location		QC DUP		Salinity (ppt)		Comments			
Field ID		G1WA0034_DUP		Comp		Date			
WIN/STORET #				Grab		Time			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Location				Temp (C)		pH			
Field ID				Salinity (ppt)		Comments			
WIN/STORET #				Comp		Date			
Latitude				Grab		Time			
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Field ID				Temp (C)		pH			
WIN/STORET #				Salinity (ppt)		Comments			
Latitude				Comp		Date			
Location				Grab		Time			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
WIN/STORET #				Temp (C)		pH			
Latitude				Salinity (ppt)		Comments			
Location				Comp		Date			
Field ID				Grab		Time			
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Latitude				Temp (C)		pH			
Location				Salinity (ppt)		Comments			
Field ID				Comp		Date			
WIN/STORET #				Grab		Time			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Location				Temp (C)		pH			
Field ID				Salinity (ppt)		Comments			
WIN/STORET #				Comp		Date			
Latitude				Grab		Time			
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Field ID				Temp (C)		pH			
WIN/STORET #				Salinity (ppt)		Comments			
Latitude				Comp		Date			
Location				Grab		Time			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
WIN/STORET #				Temp (C)		pH			
Latitude				Salinity (ppt)		Comments			
Location				Comp		Date			
Field ID				Grab		Time			
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Latitude				Temp (C)		pH			
Location				Salinity (ppt)		Comments			
Field ID				Comp		Date			
WIN/STORET #				Grab		Time			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Location				Temp (C)		pH			
Field ID				Salinity (ppt)		Comments			
WIN/STORET #				Comp		Date			
Latitude				Grab		Time			
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Field ID				Temp (C)		pH			
WIN/STORET #				Salinity (ppt)		Comments			
Latitude				Comp		Date			
Location				Grab		Time			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
WIN/STORET #				Temp (C)		pH			
Latitude				Salinity (ppt)		Comments			
Location				Comp		Date			
Field ID				Grab		Time			
WIN/STORET #				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Latitude				Temp (C)		pH			
Location				Salinity (ppt)		Comments			
Field ID				Comp		Date			
WIN/STORET #				Grab		Time			
Latitude				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Location				Temp (C)		pH			
Field ID				Salinity (ppt)		Comments			
WIN/STORET #				Comp		Date			
Latitude				Grab		Time			
Location				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
Field ID				Temp (C)		pH			
WIN/STORET #				Salinity (ppt)		Comments			
Latitude				Comp		Date			
Location				Grab		Time			
Field ID				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen			
WIN/STORET #				Temp (C)		pH			
Latitude				Salinity (ppt)		Comments			

Relinquished By: <i>Blake Spencer</i>	Date/Time <i>2/14/18</i>	Shipping Method <i>Hand Delivered</i>	Number of Coolers Shipped: <i>5</i>	Received By: 	Date/Time <i>2/14/18</i>	<i>1 unit</i>
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: WAS-SECT

Requester: Curtis Musson

Field Report Prepared By: Blake Spencer

Project ID: SMP

Collected By: Ben Ralys, Blake SpencerSampling Agency: FAEP

Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Chicken Branch	WIN ID / Field ID		Date	2/14/18	Time	0800	mg/L	Total Res. Chlorine
WIN/STORET #	at Old Plank Rd	GIWA0031		Matrix (type, e.g., Salt, Fresh, etc)	Fresh			% sat	
Latitude	30.3261	dd dms		Temp (C)	16.3	pH	7.3	ft	Sp. Conductance (umho/cm)
Longitude	-84.1481	dd dms		Salinity (ppt)	0.15	Comments		m	322
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Central Drainage	WIN ID / Field ID		Date	2/14/18	Time	0957	mg/L	Total Res. Chlorine
WIN/STORET #	Ditch downstream of Orange Ave.	GIWA0026		Matrix (type, e.g., Salt, Fresh, etc)	Fresh			% sat	
Latitude	30.4095	dd dms		Temp (C)	17.13	pH	8.27	ft	Sp. Conductance (umho/cm)
Longitude	-84.3073	dd dms		Salinity (ppt)	0.07	Comments		m	155
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Godby Drainage	WIN ID / Field ID		Date	2/14/18	Time	0939	mg/L	Total Res. Chlorine
WIN/STORET #	Ditch at Progress Dr.	GIWA0061		Matrix (type, e.g., Salt, Fresh, etc)	Fresh			% sat	
Latitude	30.444661	dd dms		Temp (C)	16.82	pH	8.35	ft	Sp. Conductance (umho/cm)
Longitude	-84.344711	dd dms		Salinity (ppt)	0.06	Comments		m	117
Location		WIN ID / Field ID		Collection (comp begin or grab)		Composite end		Bottle Group(s)	
Field ID	Salem Branch	WIN ID / Field ID		Date	2/14/18	Time	1021	mg/L	Total Res. Chlorine
WIN/STORET #	dowstream of SR 159	GIWA0053		Matrix (type, e.g., Salt, Fresh, etc)	Fresh			% sat	
Latitude	30.63082	dd dms		Temp (C)	16.57	pH	7.57	ft	Sp. Conductance (umho/cm)
Longitude	-84.43155	dd dms		Salinity (ppt)	0.05	Comments		m	115

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Blake Spencer	2/14/18	Hand Delivered	5		2/14/18

Group: A	Bottle Type:	P-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	9
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 9	Preservative:	ICE	Enter Number of Bottles Sent to Lab	9
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	9
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 9	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	9
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 4	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	4
	W-ICP						
	W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 10	Preservative:	ICE	Enter Number of Bottles Sent to Lab	10
	ECOLI-18QT						
Group: D	Bottle Type:	BG-1L	# of Bottles: 7	Preservative:	ICE	Enter Number of Bottles Sent to Lab	5
	W-AHERB-AA						
	W-SUC-AA-R						
	W-UHERB-AA						
Group: E	Bottle Type:	QPCR-P-250ML	# of Bottles: 6	Preservative:	ICE	Enter Number of Bottles Sent to Lab	6
	PCR-FILTER						
Group: F	Bottle Type:	QPCR-P-250ML	# of Bottles: 8	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER						
	PCR-HF183						

Group: G	Bottle Type: W-AHERB-AA W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
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Group: G	Bottle Type: W-CARB-AA	BG-1L	# of Bottles: 1	Preservative: CH2CICOOH Pre-Preserved	Enter Number of Bottles Sent to Lab	1
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Group: G	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
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Group: G	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
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Cooler Packing Worksheet for Request: RQ-2018-01-22-53
Central, Godby, Harbinwood, Chicken, Megginness, Swamp, Salem, Wards

Ship Cooler On: 1/18/2018
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

Comments:

No preservatives needed.

Group A: Freshwater Kit,
Group B: Metals
Group C: E. coli
Group D: Tracers (Aherb Short list)
Group E: Markers (PCR-FILTER)
Group F: Markers (PCR-FILTER & PCR HF183)
Group G: Pesticides (AHERB Long List)

Packing Notes
No FedEx labels
No Trash Bags
1 copy of the CoC

Requested Analyses:

Bottle Group: A

of Sites: 9

Container ID: P-1L

Qty: 9 Preservation: ICE

Lot # 00070144

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: 9 Preservation: ICE

Lot # 1214297

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML

Qty: 9 Preservation: ICE And H2SO4

Lot # 55069738

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: 9 Preservation: FILTER-ICE

Lot # 55069732

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: 4

Container ID: P-500ML

Qty: 4 Preservation: HNO3

Lot # 55068654

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

Bottle Group: C

of Sites: 10

Container ID: P-250ML-WO-THI

Qty: 10 Preservation: ICE

Lot # L15260

Description:

Analysis

Description

Bottle Group: D**# of Sites: 7**

Container ID: BG-1L

Qty: 7

Preservation: ICE

Lot # 00069054

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E**# of Sites: 3**

Container ID: QPCR-P-250ML

Qty: 6

Preservation: ICE

Lot # 00069140

Description: 250ml Sterile Nalgene (2)

Analysis

PCR-FILTER

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Bottle Group: F**# of Sites: 4**

Container ID: QPCR-P-250ML

Qty: 8

Preservation: ICE

Lot # 00069348

Description: 250ml Sterile Nalgene (2)

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

Bottle Group: G**# of Sites: 1**

Container ID: BG-1L

Qty: 2

Preservation: ICE

Lot # 00069348

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-AHERB-AA

W-GLYPH

W-PYR-AA-R

W-SUC-AA-R

Description

Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

Glyphosate in water matrices by HPLC/MS/MS

Pyraclostrobin in water matrices by HPLC/MS/MS

Analysis of sucralose in water matrices by HPLC/MS/MS

Container ID: BG-1L

Qty: 1

Preservation: CH₂ClCOOH Pre-PreservedLot # 88069348

Description: Brown Glass Bottle 1L

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 # 66845

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-1L

Qty: 4

Preservation: ICE

Lot # 88069348

Description: Brown Glass Bottle 1L

Affix BLUE dot to container.

Analysis

W-PSNP-TQ

Description

Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Cooler Packed By: ABFNumber of Coolers: 4Date: 1-22-18

Kit must also include:

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

If Preservation Included:

ID	<u>MCAABUFFS</u>	Exp	<u>2-1-19</u>	Lot #	<u>88579</u>
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2018-01-22-53