



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

March 2017

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Data Qualified?
Yes / No

Location/STORET Station Name: Caney Creek Upstream of US 90

Date: 08/23/2017

STORET # G1WA0014

WBID: 716

Latitude: 30.5325

(Decimal Degrees)

County: Jefferson RQ - 2017-08-21-27

ORG ID: 21FLWQA

Longitude: -83.9501

(Decimal Degrees)

Receiving Body of Water: Lake Miccosukee

Field ID: G1WA0014 08232017

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation Check	Duplicate Collection	Blank Collection	Sampling Equipment			
Curtis Musson			X	X	X	X	M	X	☒ Sample Container	☐ Van Dorn	☐ Pole
Ray Stuart			X	X	X	X	M	X	☐ Carboy	☐ Syringe	
Phil Homann			X	X			M		☐ Dipper	☐ Other	
								Equipment ID			
								Collection Method			
								☒ Wading			
								☐ From Shore			
								☐ Other (note below)			
								☐ Via Boat			
								☐ Canoe/Kayak			
								☐ Electric Motor			
								☐ Gasoline Motor			
Water Level: Dry / Pooled / Low / Normal / High / Flooded								Matrix: Fresh / Marine / DI			
Meter ID# Bio 2								Photos: Yes / No			
								Tide Falling: Yes / No / NA			

Field Sample

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1015	0.1	0.2	7.12	86.0	7.73	0.07	10.0	158	24.91
CEN										

Biological Samples Collected: ☒ None HA SCI RPS Algae ID LVS LVI Other

SBIO ID Numbers: SBIO-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☐ H2SO4	SA 7163030	06/12/18	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☐ HNO3	NA 7086060	03/27/18	☒ <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-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci ☒ qPCR	☒ 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-PCL-QL-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Contains 1:1 Sulfuric Acid
Lot No.: SA7163030
Expires: 06/12/18
See Safety Data Sheet (SDS)

Contains 1:1 Sulfuric Acid
Lot No.: SA7163030
Expires: 06/12/18
See Safety Data Sheet (SDS)

Contains
1:1
Nitric Acid
NA - 7086060
EXP: 03/27/18
Warning!
See SDS

QA/QC Sample Information

Duplicate

Time Zone: EST CEN		Sample Depth (m): _____		Field ID: <u>G1WA0057_08232017D</u>	
Time: _____		Total Depth (m): _____			
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☐ Ice ☐ H ₂ SO ₄	SA 7163030	06/12/18	☐ < 2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2
Filtered Nutrients	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice	Place Preservative Sticker(s) Here (If Available)		
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 ☐ qPCR	☐ 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-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Ice ☐ Other			

Blank

Time Zone: EST CEN		Time: <u>707</u>		Field ID: <u>G1WA0057_08232017B</u>		Location: <u>Morjah Creek</u>	
☒ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank		Equipment ID: _____					
Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check		
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☐ H ₂ SO ₄	SA 7163030	06/12/18	☒ < 2		
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ < 2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	Place Preservative Sticker(s) Here (If Available)				
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 ☐ qPCR	☐ Field IC →					
Tracers	☐ W-SUC-AA-R ☐ W-UHERB-AA ☐ W-AHERB-AA	☐ Morjah Creek 100 meters upstream of Newport Rd.					
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PCL-SQ-R ☐ W-UHERB-AA ☐ W-GLYPH ☐ W-SUC-AA-R	☐ Aug 23, 2017					
			 G1WA0057_08232017B				

Notes:

Kit C
PCR
E.coli
Tracers

Caney Creek
Upstream of
US 90

STORET ↓



G1WA0014

Field ID →
Caney Creek
Upstream of
US 90

Aug 23, 2017



G1WA0014_08232017

Signature: [Signature]

Date: 8-23-17

Field Parameters Entered into LIMS: 8-24-17 CA

(Initials/Date)

Field Parameters QC in LIMS: DT 9/15/17

(Initials/Date)

Date Migrated to STORET: _____

(Initials/Date)

Field Sheets Scanned/Saved: DT 9/15/17

(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 Bio #2

RQ- 2017-08-21-27

Project SMP

- Notes:** (1) Numbers ≤ 4 , are rounded down; numbers ≥ 5 are rounded up (e.g., 5.15 becomes 5.2).
 (2) Always wait for meter to stabilize before recording any readings.
 (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 03/06/2017

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	8/22/17	1708	23.90	8.434	8.43	100.0	S1	—	P	LAB
ICV	Curtis Musson	8/22/17	1710	23.93	8.434	8.44	100.1	S1	—	P	LAB
CCV	Curtis Musson	8/23/17	1348	25.43	8.203	8.23	100.3	S2	—	P	LAB
CCV											

Report DO mg/L with one decimal figure and DO % saturation as a whole number with no decimals.

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.	Curtis Musson	8/22/17	1712	170310B	09/2018	7.00	7.00	P	LAB
ICV	Curtis Musson	8/22/17	1721	170310D	3/2018	1000	1000	P	LAB
CCV	Curtis Musson	8/22/17	1723	170310D	3/2018	1000	1001	P	LAB
CCV	Curtis Musson	8/23/17	1352	170614D	6/2018	100	104	P	LAB

Report specific conductance as a whole number with no decimal figure.

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	8/22/17	1712	170310B	09/2018	7.0	7.00	140	P	LAB
Calibr.	Curtis Musson	8/22/17	1715	170614A	06/2018	4.01	4.00	201	P	LAB
Calibr.	Curtis Musson	8/22/17	1717	170310C	09/2018	10.01	9.99	-115	P	LAB
ICV	Curtis Musson	8/22/17	1719	170614A	06/2018	4.01	3.81	210	P	LAB
CCV	Curtis Musson	8/23/17	1353	170310C	09/2018	10.01	10.01	-116	P	LAB
CCV										

Report pH with one decimal place; pH Acceptance criteria ± 0.2 SU;

mV pH7 Range 0 ± 50 ;

mV pH 4 Range $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

Slope from 7 to 10 and 4 to 7 must be between 165 and 180 mV

Depth (Quarterly)

Date of Last Depth Verification

Depth Sensor (Daily)	Name	Date	Time CT-ET	Zero the Sensor	ICV Value	Pass / Fail	Lab / Field
Pressure mode in air				0.000			

ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

CM

Request Number: RQ-2017-08-21-27
Caney, Moriah, Wakulla
Customer: WAS-SECT
Project ID: SMP

Requester: Curtis Musson
Collected By: Curtis Musson

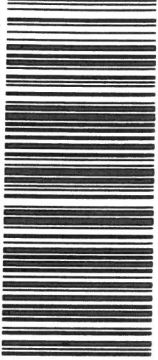
Field Report Prepared By: Curtis Musson
Sampling Agency: FDEP
Page 1 of 15

Wakulla River
Below Highway
98 B Bridge



STORET ↓
G1WA0028

Field ID: →
Wakulla River
Below Highway
98 Bridge



Aug 23, 2017 G1WA0028 06232017

Loc:

Morich Creek 100
meters upstream
of Newport Rd.



STORET ↓
G1WA0057

Field ID: →

Morich Creek 100
meters upstream
of Newport Rd.



Aug 23, 2017 G1WA0057 06232017

Morich Creek 100
meters upstream
of Newport Rd.



STORET ↓
G1WA0057

Field ID: →
Morich Creek 100
meters upstream
of Newport Rd.



Aug 23, 2017 G1WA0057 06232017

Relinquished By:

Curtis Musson

Date/Time

8/23/17

Number of Coolers

3

Received By:

[Signature]

Date/Time

8/23/17

1323

Collection (comp begin or grab)		Collection (comp begin or grab)		Collection (comp begin or grab)		Bottle Group(s)
Matrix (Salt, Fresh)	Date	Time	Matrix (Salt, Fresh)	Date	Time	
☒ Comp Grab	8/23/17	0830	☒ Comp Grab	8/23/17	0904	A
Temp (C)	22.05		Temp (C)	25.08		
pH	7.75		pH	7.82		
Salinity (ppt)	0.17		Salinity (ppt)	0.18		
Diss. Oxygen (mg/L)	5.02		Diss. Oxygen (mg/L)	4.78		
Sample Deps (m)	0.3		Sample Deps (m)	0.15		
Sp. Conductance (umho/cm)	347		Sp. Conductance (umho/cm)	386		
Latitude (Decimal Degrees)	30.17607		Latitude (Decimal Degrees)	30.1857		
Longitude (Decimal Degrees)	-84.2429		Longitude (Decimal Degrees)	-84.1929		

A

A

A

Request Number: RQ-2017-08-21-27

Caney, Moriah, Wakulla
Customer: WAS-SECT
Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Curtis Musson

Field Report Prepared By: Curtis Musson
Sampling Agency: FDEP

Page 2 of 15

Field ID: →
Moriah Creek 100
meters upstream
of Newport R.I.
Aug 23, 2017
G1WA0057_08232017B

☐ Comp	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 8/23/17 Time 0707		Date / Time /	
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Deps (m)	Sp. Conductance (umho/cm)	
DI Water	/	/	/	A
Temp (C)	pH			
/	/			
Salinity (ppt)	Comments			
/	QC Blank			
Latitude (Decimal Degrees)	Longitude (Decimal Degrees)			

STC
QC Blank

Loc

Wards Creek
upstream of
bridge at
CR 259
Aug 23, 2017
G1WA0002

Field ID: →
Wards Creek
upstream of
bridge at
CR 259
Aug 23, 2017
G1WA0002_08232017

☐ Comp	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 8/23/17 Time 1053		Date / Time /	
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Deps (m)	Sp. Conductance (umho/cm)	
Fresh	2.83		88	A, C
Temp (C)	pH			
27.23	6.76			
Salinity (ppt)	Comments			
0.04				D, E
Latitude (Decimal Degrees)	Longitude (Decimal Degrees)			

Caney Creek
Upstream of
US 90
Aug 23, 2017
G1WA0014

Field ID: →
Caney Creek
Upstream of
US 90
Aug 23, 2017
G1WA0014_08232017

☐ Comp	Collection (comp begin or grab)	Eastern Central	Collection (comp begin or grab)	Bottle Group(s)
☒ Grab	Date 8/23/17 Time 1015		Date / Time /	
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Deps (m)	Sp. Conductance (umho/cm)	
Fresh	7.12			A, B
Temp (C)	pH			
24.91	7.73			C, D
Salinity (ppt)	Comments			
0.07				F
Latitude (Decimal Degrees)	Longitude (Decimal Degrees)			

Relinquished By: Curtis Musson

Date/Time 8/23/17 1300

Number of Coolers 3

Received By: [Signature]

Date/Time 8/23/12 1323

Request Number: RQ-2017-08-21-27

Caney, Moriah, Wakulla
Customer: WAS-SECT
Project ID: SMP

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Lab Sample Submittal Form

Requester: Curtis Musson

Collected By: Curtis Musson

Field Report Prepared By: Curtis Musson

Sampling Agency: FDEP

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Caney Creek STORET ↓
Downstream
of 158A
ATWA00000

Field ID: →
SI Caney Creek
Downstream
of 158A
Aug 23, 2017
ATWA00000_00232017

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 8/23/17 Time 1205	☒ Eastern ☐ Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh) Fresh	Diss. Oxygen (mg/L) 5.71	Sample Depths (m) 0.15	Sp. Conductance (umho/cm) 175	AB, C, D
Temp (C) 25.56	pH 6.67			
Salinity (ppt) 0.08	Comments			F
Latitude (Decimal Degrees) 30.52		Longitude (Decimal Degrees) -83.44		

Location

Field ID

STORET #

Location

Field ID

STORET #

☐ Comp ☐ Grab	Collection (comp begin or grab) Date — Time —	Eastern Central	Collection (comp begin or grab) Date — Time —	Bottle Group(s)
Matrix (Salt, Fresh)	Diss. Oxygen (mg/L)	Sample Depths (m)	Sp. Conductance (umho/cm)	
Temp (C)	pH			
Salinity (ppt)	Comments			
Latitude (Decimal Degrees)		Longitude (Decimal Degrees)		

Relinquished By: Curtis Musson

Date/Time
8/23/17 1300

Number of Coolers
3

Received By: [Signature]

Date/Time
8/23/17 1325

4 of 5

Group: A Bottle Type: P-1L # of Bottles: 7 Preservative: ICE Enter Number of Bottles Sent to Lab 7 of 7

ALKALINITY

TURBIDITY

W-CL-IC

W-COLOR

W-F

W-SO4-IC

W-TDS

W-TSS

Group: A Bottle Type: BP-1L # of Bottles: 7 Preservative: ICE Enter Number of Bottles Sent to Lab 7 of 7

CHLSUITE-W

Group: A Bottle Type: P-500ML # of Bottles: 7 Preservative: ICE And H2SO4 Enter Number of Bottles Sent to Lab 7 of 7

W-NH3

W-NO2NO3

W-S-A-TP

W-TKN

W-TOC

Group: A Bottle Type: P-125ML # of Bottles: 7 Preservative: ICE-FLTR Enter Number of Bottles Sent to Lab 7 of 7

W-PO4-F

Group: B Bottle Type: P-500ML # of Bottles: 2 Preservative: HNO3 Enter Number of Bottles Sent to Lab 2 of 2

W-ICP

W-ICPMS

Group: C Bottle Type: P-250ML-WO-THI # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 3 of 3

ECOLL-18QT

Group: D Bottle Type: BG-1L # of Bottles: 3 Preservative: ICE Enter Number of Bottles Sent to Lab 3 of 3

W-AHERB-AA

W-SUC-AA-R

W-UHERB-AA

Group: E Bottle Type: QPCR-P-250ML # of Bottles: 2 Preservative: ICE Enter Number of Bottles Sent to Lab 2 of 2

PCR-FILTER

PCR-GFD

PCR-HF183

Group: F Bottle Type: QPCR-P-250ML # of Bottles: 4 Preservative: ICE Enter Number of Bottles Sent to Lab 4 of 4

Group: F

Bottle Type:

QPCR-P-250ML

of Bottles: 4

Preservative:

ICE

Enter Number of Bottles Sent to Lab

4 of 4

PCR-BACR

PCR-FILTER

PCR-HF183

C2 Page 3 of 3

S of S

Cooler Packing Worksheet for Request: RQ-2017-08-21-27

Caney, Moriah, Wakulla

Ship Cooler On: 8/7/2017

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: Nutrients, CHLA, Physical Aggregates

Group B: Metals

Group C: Microbiology (Bacteria)

Group D: Organics (Wastewater Tracers)

Group E: PCR (FILTER, HF183, GFD)

Group F: PCR (FILTER, HF183, BacR)

Requested Analyses:

Bottle Group: A

of Sites: 7

Container ID: P-1L

Qty: 7 Preservation: ICE

Lot # 0068657

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: 7 Preservation: ICE

Lot # 1200289

Description: Brown Plastic Bottle 1L

Analysis

CHLSUITE-W

Description

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

Container ID: P-500ML

Qty: 7 Preservation: ICE And H2SO4

Lot # 00068654

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: 7 Preservation: ICE-FLTR

Lot # 00066437

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: 2

Container ID: P-500ML

Qty: 2 Preservation: HNO3

Lot # 00068654

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: 3

Container ID: P-250ML-WO-THI

Qty: 3 Preservation: ICE

Lot # L17013

Description:

Analysis

ECOLI-18QT

Description

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

Bottle Group: D

of Sites: 3

Container ID: BG-1L

Qty: 3 Preservation: ICE

Lot # 00068050

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: 1

Container ID: QPCR-P-250ML

Qty: 2 Preservation: ICE

Lot # 00067001

Description:

Analysis

PCR-FILTER

PCR-GFD

PCR-HF183

Description

Preparation of Samples by Filtration and held for qPCR Analysis

Detection and quantification of bird specific Helicobacter GFD genetic marker with quantitative polymerase chain reaction

Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction

Bottle Group: F

of Sites: 2

Container ID: QPCR-P-250ML

Qty: 4 Preservation: ICE

Lot # 00067001

Description:

Analysis

PCR-BACR

PCR-FILTER

PCR-HF183

Description

Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

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

Cooler Packed By: APB

Number of Coolers: 3

Date: 8-3-17

Kit must also include:

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

If Preservation Included:

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

PLEASE RETURN ALL COOLERS FOR RQ-2017-08-21-27