

RQ-2018-04-02-18

Log-in Checklist

Login Station ID: #3

Shipping Method: FedEx | UPS | HD | Greyhound |Date/Time of Receipt: 4-4-18 / 9:58

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape		*Intact?		Tracking # (fill out only if waybill copy is damaged)
			Present?		Yes	No	
Red	2.9 C	11		/			
Red	3.1 C	14		/			

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**Note: If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**Chain of Custody/ Field Sheet(s) Included? Yes / No

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes / No Date 4-4-18

CONTAINER CHECK

**Evidence Tape on Bottles? Yes No / If yes, is it intact? Yes No

**Caps on tight? Yes / No **Containers intact? Yes / No

**Sufficient Sample Volume: Yes No

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-E8321-DI, -MS, -21			W-NP-AA-SF		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R		
W-U2060-MS			W-TR-TQ		
W-PCB-R			W-CT-CI-R		
W-PAH (-R)			W-PSNP-TQ		

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH $\leq$ 2.0? Yes / No NA Init: ABS

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes No NA / Init: ABS

Coolers Unpacked/Checked by: ABS

Date: 04/04/2018

NCRs (Y/N)?

Event ID: Santa Fe
NE-DIST-2018-04-04-02 (SMP)
 Date Received: 04-APR-2018 09:50

NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	REC_03_2018
pH Paper 0.0 – 3.0 Lot #	230515 EXP:10/30/2018
pH Paper 0 – 13 Lot #	222516 EXP:09/15/2019
Chlorine Test Strips Lot #	091417V EXP:09/2021

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No _____

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Santa Fe

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NE-DIST

Requester: Jeremy M. Parrish

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

WIN / Field ID:



21030145

SANTA FE RIVER @ HOLLINGSWORTH BLUFF

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4-3-2018</u> Time <u>11:45</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>5.42</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Temp (C) <u>21.8</u>	pH <u>7.56</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>403</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.19</u>	Comments	

WIN / Field ID:



21030086

COW CREEK AT SR 138

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4-3-2018</u> Time <u>12:15</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>7.11</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Temp (C) <u>19.2</u>	pH <u>7.45</u>	Sample Depth <u>0.25</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>146</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.07</u>	Comments	

Loc:

WIN / FIELD ID



G1NE0911

Cannon Creek at Ring Ct.

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4-3-2018</u> Time <u>10:40</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>7.51</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Temp (C) <u>17.9</u>	pH <u>7.48</u>	Sample Depth <u>0.5</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>171</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.08</u>	Comments	

Li

WIN ID / Field ID



21030138

CANNON CR @ CANNON CR RD/
BUSINESS PARK POINT W CR 47

☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>4-3-2018</u> Time <u>10:10</u>	☒ Eastern ☐ Central	Composite end Date _____ Time _____	Bottle Group(s)
Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen <u>6.50</u> ☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
Temp (C) <u>17.4</u>	pH <u>7.57</u>	Sample Depth <u>0.15</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>174</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.08</u>	Comments	

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

sample collection time from sample
ABJ 4/4/18

Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						
Group: A	Bottle Type:	P-120ML-WC-THI	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2 Sent to contract
	NED-AEG-EC						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	2 lab
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F						
Group: B	Bottle Type:	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	PCR-FILTER						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
	W-E8321-DI W-E8321-MS						
Group: C	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC						

Group: C	Bottle Type: W-TDS W-TSS	P-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: C	Bottle Type: NED-AEG-EC	P-120ML-WC-THI	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2</u> → Sent to contract lab
Group: C	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 6	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>4</u>
Group: C	Bottle Type: W-E8321-DI W-E8321-MS	BG-500ML	# of Bottles: 3	Preservative: ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: C	Bottle Type: W-ICP W-ICPMS	P-500ML	# of Bottles: 3	Preservative: HNO3	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 3	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	<u>2</u>

metal samples not collected ~~with~~ Amy Kalmbacher by phone. 4-4-18



- | | |
|-------------------------------------|---|
| ☒ | Altamonte Springs: 380 Northlake Blvd., Suite 1048 • Altamonte Springs, FL 32701 • 407.937.1594 • Fax 407.937.1597 |
| ☒ | Gainesville: 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.377.2349 • Fax 352.395.6639 |
| ☒ | Jacksonville: 6881 Southpoint Pkwy. • Jacksonville, FL 32218 • 904.383.9350 • Fax 904.383.9354 |
| ☒ | Miramar: 10200 USA Today Way • Miramar, FL 33025 • 954.889.2288 • Fax 954.889.2281 |
| ☒ | Tallahassee: 2839 North Monroe Street, Suite D • Tallahassee, FL 32303 • 850.219.6274 • Fax 850.219.6275 |
| ☒ | Tampa: 9810 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9816 • Fax 813.630.4327 |

Client Name: FDEP-NE ROC		Project Name: Santa Fe		BOTTLE SIZE & TYPE														LABORATORY I.D. NUMBER
Address: 8800 Baymeadows Way W		P.O. Number or Project Number: RQ-2018-04-62-18																
Phone: 904-256-1541		FDEP Facility No:																
FAX: Please email results		Project Address:																
Contact: Nicole Frederick - Jeremy Parrish		Special Instructions:		ANALYSIS REQUIRED	E. coli													
Sampled By: A. Kalmbacher																		
Turn Around Time: ☒ STANDARD ☐ RUSH		Dep-Overflowmicro@dep.state.fl.us PO# B1696A		PRESERVATION	ICE													
Page: 1 of 1		☐ ADaPT ☐ EQUIS ☐ Other																
SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING		MATRIX	NO. COUNT												
			DATE	TIME														
	21030138	Grab	4/3	1010	SW	1												
	GLNE0911		1	1040		1												
	21030145		1	1145		1												
	21030086		✓	1215	✓	1												
Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge							Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)											
Received on Ice ☒ Yes ☐ No ☐ Temp taken from sample ☐ Temp from blank							☒ Where required, pH checked											
DCN: AD-051 Form last revised 04/30/2015							Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A <u>G</u> : LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V											
Relinquished by:		Date		Time		Received by:		Date		Time		FOR DRINKING WATER USE: PWS ID: _____ Contact Person: _____ Phone: _____ Supplier of Water: _____ Site Address: _____						
1	A. Kalmbacher	4-3-18	1340			4/3/18	1345											
2																		
3																		
4																		

Date of Request: 09-FEB-2018
 Created By: PARRISH_J On: 09-FEB-2018
 Modified By: SWANSON_C On: 15-MAR-2018
 Customer: NE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northeast District
 Sampling Event: Santa Fe

Send Coolers To:

Phone: 904-256-1700
 8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256-7577
 Attn: Jeremy Parrish

Send Final Report To:

8800 Baymeadows Way West
 Suite 100
 Jacksonville, FL 32256-7577
 Attn: Jeremy Parrish

Program Module Number:

Priority: 3
 Event Status: R
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 15-MAR-2018
 Biology Request Reviewed By: SWANSON_C On: 15-MAR-2018
 Sampling Kit Required: YES Ship on: 20-MAR-2018
 Sampling Kit Shipped: YES On: 20-MAR-2018
 Sampling Kit Packed By: REAVES_S
 Preservatives Needed: NO
 Date to Receive Samples: 02-APR-2018
 Received By: SHAIK_A On: 04-APR-2018

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments:**Bottle Group A (Water) With 2 Samples:**

Bottle Type: P-1L	Number of Bottles: 2	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO ₃ /L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 2	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type:	Number of Bottles: 2	Preserved With: ICE
NED-AEG-EC	Template: DEFAULT	(EPA 1603) Escherichia coli by membrane filter method using modified mTEC by Advanced Environmental Gainesville Overflow Laboratories for NED
Bottle Type: P-500ML	Number of Bottles: 2	Preserved With: ICE And H ₂ SO ₄
W-NH ₃	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO ₂ NO ₃	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 2	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 1 Samples:

Bottle Type: QPCR-P-250ML	Number of Bottles: 2	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE

Bottle Group B (Water) With 1 Samples:

Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: SUCRALOSE	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 3 Samples:

Bottle Type:	Number of Bottles: 3	Preserved With: ICE
NED-AEG-EC	Template: DEFAULT	(EPA 1603) Escherichia coli by membrane filter method using modified mTEC by Advanced Environmental Gainesville Overflow Laboratories for NED
Bottle Type: QPCR-P-250ML	Number of Bottles: 6	Preserved With: ICE
PCR-FILTER	Template: DEFAULT	(SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis
Bottle Type: BG-500ML	Number of Bottles: 3	Preserved With: ICE
W-E8321-DI	Template: SUCRALOSE	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template:	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Chromium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template:	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		
Copper		
Lead		
Silver		
Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 3	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
Bottle Type: P-1L	Number of Bottles: 3	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 3	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

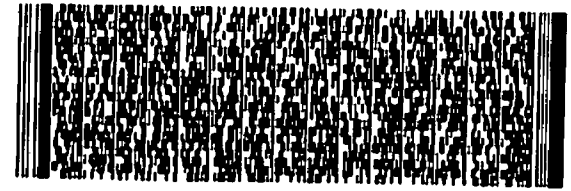
* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.



36 TLHA

FedEx
TRK# 7907 9496 7303
0221

WED - 04 APR 10:30A
PRIORITY OVERNIGHT
32399 9
FL-USA



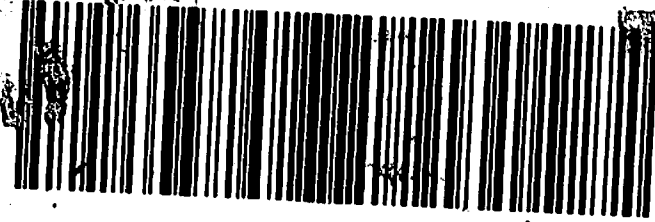
TO
AMZAD SHAIK
FL DEP
FL DEP CHEMISTRY SECTION
2600 BLAIR STONE RD
TALLAHASSEE FL 32399
REF: (850) 245-8085
INV: PO
DEPT: RMA:

ORIGIN ID: ZPHA
JEREMY PARRISH
(904) 807-3300
FL DEP NORTH EAST DISTRICT
8800 BAYMEADOWS WAY WEST
SUITE 100
JACKSONVILLE FL 32256
UNITED STATES US

SHIP DATE: 20MAR18
ACTWGT: 20.00LB
CAD: 100182098/INET3980



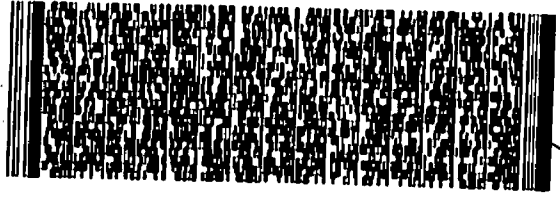
6/1/10 EXP 01/19



36 TLHA

FedEx
TRK# 7907 9496 7314
0221

WED - 04 APR 10:30A
PRIORITY OVERNIGHT
32399
FL-USA



TO
AMZAD SHAIK
FL DEP
FL DEP CHEMISTRY SECTION
2600 BLAIR STONE RD
TALLAHASSEE FL 32399
REF: (850) 245-8085
INV: PO
DEPT: RMA:

ORIGIN ID: ZPHA
JEREMY PARRISH
(904) 807-3300
FL DEP NORTH EAST DISTRICT
8800 BAYMEADOWS WAY WEST
SUITE 100
JACKSONVILLE FL 32256
UNITED STATES US

SHIP DATE: 20MAR18
ACTWGT: 20.00LB
CAD: 100182098/INET3980



6/1/10 EXP 01/19

5521007500A5