

Login Checklist

RQ- 2023-01-02- (3)

Login Station ID: 5

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 1/ 5 / 23 @ 11:00

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
		YES	HNO ₃		Formalin	Present?		*Intact?	
	Yes					No	Yes	No	
0-2				8		X			585947319653
0-6				8		X			585947315073

COOLER CHECK

*All samples received on ice unless otherwise noted. HNO₃ and Formalin preserved samples do NOT have a temperature requirement.

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. NCR# _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. NCR# _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. NCR# _____
- If coolers or samples are received late; identify the affected samples in an NCR. NCR# _____

Chain of Custody/ Field Sheet(s) Included?

Yes X No _____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included?

Yes _____ No X

CONTAINER CHECK

Evidence Tape on Bottles?

Yes _____ No _____ NA X Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken?

Yes _____ No X Containers intact? Yes X No _____

Caps on tight?

Yes X No _____

Sufficient Sample Volume:

Yes X No _____

If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes X No _____ Init: K.K

Chlorine detected? (One container checked per Field ID)

Yes _____ No X Init: K.K

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

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

**Acid Preserved Samples: pH < 2.0?

Yes X No _____ NA _____ Init: K.K

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0?

Yes _____ No _____ NA X Init: K.K

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: C-P / K.K.

Date: 1/ 5 / 23

Event contains NCRs (Y/N)? N

SE-DIST-2023-01-05-01 (SMP)

EventID: Date Received: 05-JAN-2023 11:00

Login Checklist

Login Preservation Equipment

Lot # & Exp: Date

Additional Comments:

Infrared Thermometer ID:	221426058 10/17/23
pH Test Strips 0 – 6	223819AV 08/30/23
pH Paper 0 – 3	NA
pH Paper 0 – 13	210620 4/15/2023
Chlorine Test Strips	0070 02/2023

ENCORE SAMPLES

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

Were Encore samples received? Yes _____ Init: _____

Date and time placed in freezer _____

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

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

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Florida Department of Environmental Protection

Central Laboratory Submittal Form

Vero Beach

last revised Jan 25, 2018

Customer: SE-DIST

Requester: Andrew Luering

Field Report Prepared By: Jordan Skaggs

Project ID: SMP

Collected By: Jordan Skaggs, Andrew Luering

Sampling Agency: 21FLWPB

Location Vero North Canal @ 66th Ave		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 01/04/2023 Time 11:30	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID G5SE0069		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 8.59	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STORET # G5SE0069		Temp (C) 22.5	pH 7.41	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 1419
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.71	Comments			
Location North Canal @ US 1		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 01/04/2023 Time 11:50	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID G5SE0043		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 7.09	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STORET # G5SE0043		Temp (C) 24.0	pH 7.12	Sample Depth 0.09	☐ ft ☒ m	Sp. Conductance (umho/cm) 1028
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.51	Comments			
Location Main Canal @ Country Club Dr		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 01/04/2023 Time 12:15	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID G5SE0113		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 6.61	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STORET # G5SE0113		Temp (C) 22.5	pH 7.37	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 1571
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.79	Comments			
Location Main Canal @ Kings Highway		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 01/04/2023 Time 12:40	☒ Eastern ☐ Central	Composite end Date Time	Bottle Group(s)
Field ID G5SE0115		Matrix (type, e.g., Salt, Fresh, etc) Fresh		Diss. Oxygen 5.93	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)
WIN/STORET # G5SE0115		Temp (C) 23.0	pH 7.38	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 1806
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) 0.92	Comments			

Relinquished By: JS(FDEP)	Date/Time 01/04/2023 16:00	Shipping Method Fedex	Number of Coolers Shipped: 2	Received By: Chirp	Date/Time 1-5-23 11:00
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Florida Department of Environmental Protection
Central Laboratory Submittal Form

Vero Beach

Customer: SE-DIST

Requester: Andrew Luering

Field Report Prepared By:

Jordan Skaggs

Project ID: SMP

Collected By:

Jordan Skaggs, Andrew Luering

Sampling Agency:

21FLWPB

Location <u>South Canal @ 43rd Ave</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>01/04/2023</u> Time <u>1300</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s) (See pg 2)
Field ID <u>G5SE0087</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>6.26</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____	<u>A</u>
WIN/STORET # <u>G5SE0087</u>	Temp (C) <u>22.8</u>	pH <u>7.33</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>1912</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.97</u>	Comments		
Location <u>South Canal @ 20th Ave</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>01/04/2023</u> Time <u>1315</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <u>G5SE0086</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>7.29</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____	<u>A</u>
WIN/STORET # <u>G5SE0086</u>	Temp (C) <u>23.9</u>	pH <u>7.23</u>	Sample Depth <u>0.3</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>1564</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.79</u>	Comments		
Location <u>South Canal @ US 1</u>	☐ Comp ☒ Grab	Collection (comp begin or grab) Date <u>01/04/2023</u> Time <u>1330</u>	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID <u>G5SE0044</u>	Matrix (type, e.g., Salt, Fresh, etc) <u>Fresh</u>	Diss. Oxygen <u>7.67</u>	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L) _____	<u>D</u>
WIN/STORET # <u>G5SE0044</u>	Temp (C) <u>24.4</u>	pH <u>7.35</u>	Sample Depth <u>0.2</u> ☐ ft ☒ m	Sp. Conductance (umho/cm) <u>1577</u>	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <u>0.79</u>	Comments		
Location	☐ Comp ☐ Grab	Collection (comp begin or grab) Date _____ Time _____	<u>Eastern</u> Central	Composite end Date _____ Time _____	Bottle Group(s)
Field ID	Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	☐ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STORET #	Temp (C)	pH	Sample Depth ☐ ft ☐ m	Sp. Conductance (umho/cm)	
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt)	Comments		

Relinquished By: <u>JS (FDEP)</u>	Date/Time <u>01/04/2023</u>	Shipping Method <u>FedEx</u>	Number of Coolers Shipped: <u>2</u>	Received By: <u>Chirp</u>	Date/Time <u>1-5-23 11:00</u>
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Group: A	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: QPCR-P-500ML PCR-BACR PCR-DG3 PCR-HF183	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: B	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: P-250ML-WO-THI ECOLI-18QT	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: QPCR-P-500ML PCR-BACR PCR-DG3 PCR-HF183	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: BG-500ML FILL TO TOP W-CT-CI-R W-PCB-TQ-R W-PCL-TQ-R	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: C	Bottle Type: BG-500ML W-E8321-DI W-E8321-MS	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: D	Bottle Type: P-500ML W-HARD W-ICP W-ICPMS	# of Bottles: 1	Preservative: HNO3	Enter Number of Bottles Sent to Lab	1

Date of Request: 08-DEC-2022
 Created By: LUERING_A On: 08-DEC-2022
 Modified By: JASROTIA_P On: 15-DEC-2022
 Customer: SE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southeast District
 Event Description: Vero Beach

Send Coolers To:

Phone: (772) 380-5572
 FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs
 Cooler Ship EMail: Jordan.Skaggs@FloridaDEP.gov

Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 15-DEC-2022
 Biology Request Reviewed By: JASROTIA_P On: 15-DEC-2022
 Sampling Kit Required: YES Ship on: 28-DEC-2022
 Sampling Kit Shipped: YES On: 28-DEC-2022
 Sampling Kit Packed By: ROBERTS_Z
 Preservatives Needed: NO
 Date to Receive Samples: 05-JAN-2023
 Logged In By:

Send Final Report To:

FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs
 Report Notification EMail:
 Jordan.Skaggs@FloridaDEP.gov;Andrew.Luering@FloridaDEP.gov

Comments:

Bottle Group A (E. coli)
 G5SE0115- E. coli
 G5SE0113- E. coli
 G5SE0087- E. coli
 G5SE0086 – E. coli

Bottle Group B (E. coli, markers (qPCR), and tracers)
 G5SE0043

Bottle Group C (E. coli, markers (qPCR), W-CT-CI-R, W-PCL-TQ-R, W-PCB-TQ-R, and tracers)
 G5SE0069

Bottle Group D (Metals)
 G5SE0044

Bottle Group A (Water) With 4 Samples:

Bottle Type: P-250ML-WO-THI	Number of Bottles: 4	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-250ML-WO-THI	Number of Bottles: 1	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-BACR	Template: DEFAULT	(SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction

Bottle Group B (Water) With 1 Samples:

Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-DG3	Template: DEFAULT	(SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: SMP	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-250ML-WO-THI	Number of Bottles: 1	Preserved With: ICE
ECOLI-18QT	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems
Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-BACR	Template: DEFAULT	(SOP-PCR-1.4) Detection and quantification of Ruminant specific Bacteroidetes BacR genetic marker with quantitative polymerase chain reaction
PCR-DG3	Template: DEFAULT	(SOP-PCR-1.5) Detection and quantification of canine-specific DG3 Bacteroides genetic marker with quantitative polymerase chain reaction
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: BG-500ML FILL TO	Number of Bottles: 4	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCB-TQ-R	Template: DEFAULT	(EPA 8270E) PCBs in water matrices by GC/MS/MS
W-PCL-TQ-R	Template:	(EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: SMP	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group D (Water) With 1 Samples:

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-HARD	Template: DEFAULT	(SM 2340 B-2011) Hardness by calculation, in aqueous matrices, reported as mg/L CaCO3
Hardness		
W-ICP	Template: SMP-FRESH	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Iron		
Magnesium		
Potassium		
Sodium		
Strontium		
Tin		
Titanium		
Vanadium		
Zinc		
W-ICPMS	Template: DEFAULT	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Aluminum		
Antimony		
Arsenic		
Barium		
Beryllium		
Boron		
Cadmium		
Chromium		
Cobalt		
Copper		
Lead		
Manganese		
Molybdenum		
Nickel		
Selenium		
Silver		

Bottle Group D (Water) With 1 Samples:

Bottle Type: P-500ML

Number of Bottles: 1

Preserved With: HNO3

W-ICPMS

Template: DEFAULT

(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Thallium

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