

RQ- 2022-11-14-SS

Login Checklist

Login Station ID: 03

Shipping Method: FedEx | UPS | HD | Greyhound

Date/Time of Receipt: 11/16/22 @ 0936

*Cooler Temperature	Samples Frozen? YES	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
		HNO ₃	Formalin		Present? Yes No		*Intact? Yes No		
0.8				8		X			585947295376

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 _____

CONTAINER CHECK

Evidence Tape on Bottles?

Yes _____ No _____ NA X

Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken?

Yes _____ No _____

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: BAK

Chlorine detected? (One container checked per Field ID)

Yes _____

No XInit: BAK

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: BAK

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

Yes _____

No _____

NA XInit: BAK

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

Coolers Unpacked/Checked by: BAK

Date: 11/16/22

Event contains NCRs (Y/N)? N

Event ID:

Lakes Ann

CEN-DIST-2022-11-16-01 (SMP)

Date Received: 16-NOV-2022 09:36

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
CHAIN OF CUSTODY FORM

Date: 11/15/2022 **Collected By:** Terry Riordan, Victoria Schwartz
Customer: CEN-DIST **Sampling Agency:** FDEP
RQ: RQ-2022-11-14-55 **Project ID:** SMP

PLEASE RETURN THE ORIGINAL OF THIS FORM WITH SAMPLE SUBMITTAL
FORMS AND THE COOLER PACKING WORKSHEET TO THE LAB

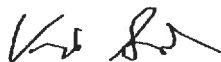
Number of Coolers Shipped: 2

Delivery Method: FedEx

FIELD ID (Labels) submitted under this RQ for this collection date.

Site Location	Field ID/WIN ID
Lake Ann @ Center	 G2CE0097

RELINQUISHED BY(SIGNATURE):



DATE/TIME: 11/15/2022
1600 EST

THIS SECTION TO BE COMPLETED BY LABORATORY

Rec'd/Inspected By:



Rec'd/Inspected

Date: 11-16-22



RQ-2022-11-14-55

Customer: FDEP

Project ID: SMP

Collected By: Terry Riordan, Victoria Schwartz

Field Report Prepared by: Terry Riordan, Victoria Schwartz

Sampling Agency: FDEP

WIN ID/Field ID:



WIN ID/Field ID: G2CE0097

Comments: Please log in PKD-QN-BV & DTY-QN-C under a separate event with priority 12, Bottle Group - B. |

Location: Lake Ann @ Center

Matrix: Fresh

(Check One)

☒ Grab☐ Composite

Date and Time {EST}	DO (mg/L)	DO (%SAT)	Temp. °C	pH	Sample Depth (m)	Secchi Depth	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)						
11/15/2022 1033	9.62	113.5	23.8	6.99	0.3	1	4.1	119.1	0.06						
Parameter Suite		Parameter Methods				Preservation		pH Check	# Bottles sent to Lab	Bottle Group					
Preserved Nutrients (P-500ML)		X W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP				X	Ice	X	H2SO4*						
		Lot #		SA2229010		Exp:		8/30/23							
Metals (P-500ML)		W-ICPMS					Ice		HNO3*						
		Lot #		Exp:				<2							
Filtered Nutrients (P125ML)		X	W-PO4-F	X	Field Filtered 0.45 µm Filter	X	Ice			1	A				
		Filter Lot #	17413308	Syringe Lot #	2090604										
BOD (BP-1L)		OV-BODUNIN					Ice								
Chlorophyll (BP-1L)		X	CHLSUITE-W			X	Ice			1	A				
Physical/Aggregate (Fresh) (P-1L)		X	Alkalinity / W-F / W-TSS / TURBIDITY / W-Q-IC / W-COLOR / W-SO4-IC / W-TDS			X	Ice			1	A				
Physical/Aggregate (Marine) (P-1L)		Alkalinity / W-F / W-TSS / TURBIDITY					Ice								
Macroinvertebrates (PJ-2L)		MI-FW-QLDC		Formalin Lot #											
Periphyton (PT-50ML)		ALGAE-ID													
Microbiology (Contract Lab Bottle)		E Coli		F Coli		Enterococci									
		Contract Lab													
Molecular (QPCR-P-500ML)		PCR-HF183		PCR-BacR		PCR-DG3									
		PCR-GULL2		PCR-GFD											
Tracers (BG-500ML)		W-E8321-DI		W-E8321-MS											
Pesticides (BG-500ML) (BG-1L)		X	W-E8321-DI	X	W-E8321-MS	X	W-PSNP-TQ	MCAA Exp.	MCAA Lot#	10	A				
		X	W-PCL-TQ-R	X	W-CARB-AA (5 ml of MCAA Buffer Solution)	X	W-CT-CL-R								
		X	W-TR-SQ-R	X	W-PCB-TQ-R										
Phytoplankton		X	DTY-QN-C	X	PKD-QN-BV	X	Ice			1	B				
DOC		W-DOC		Field Filtered 0.45 µm Filter			Ice		H2SO4*	<2					
		Add Preservative Expiration Date													
		Add Preservative Lot Number													

Date of Request: 02-NOV-2022
 Created By: BEARDEN_M On: 02-NOV-2022
 Modified By: AYRES_J On: 03-NOV-2022
 Customer: CEN-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Central District
 Event Description: Lakes Ann

Send Coolers To:

Phone: 407-897-4123
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Matthew Bearden
 Cooler Ship EMail: matthew.bearden@floridadep.gov

Priority: 3
 Event Status: A
 Criminal Investigation: NO
 Chemistry Request Reviewed By: AYRES_J On: 03-NOV-2022
 Biology Request Reviewed By: AYRES_J On: 03-NOV-2022
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Preservatives Needed: NO
 Date to Receive Samples: 18-NOV-2022
 Logged In By:

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Matthew Bearden
 Report Notification EMail:
 matthew.bearden@floridadep.gov; victoria.schwartz@floridadep.gov

Comments: Please log in PKD-QN-BV & DTY-QN-C under a separate event with priority 12, Bottle Group - B

Bottle Group A (Water) With 1 Samples:

✓ Bottle Type: P-1L Number of Bottles: 1 Preserved With: ICE
 ALKALINITY Template: DEFAULT (SM 2320 B-2011) Alkalinity in aqueous matrices as mg CaCO₃/L
 Total Alkalinity
 TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
 Turbidity
 W-CL-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
 Chloride
 W-COLOR Template: DEFAULT (DEP SOP: NU-094-1) True Color measured at 450 nm (not valid for NPDES monitoring)
 Color (true)
 W-F Template: DEFAULT (SM 4500-F- C-2011) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
 Fluoride
 W-SO₄-IC Template: DEFAULT (EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
 Sulfate
 W-TDS Template: DEFAULT (SM 2540 C-2015) Total Dissolved Solids in aqueous matrices
 TDS
 W-TSS Template: DEFAULT (SM 2540 D-2015) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
 TSS

✓ Bottle Type: BP-1L Number of Bottles: 1 Preserved With: ICE
 CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
 Chlorophyll-a, Corrected
 Chlorophyll-a, Uncorrected
 Phaeophytin-a

✓ Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: CH₂ClCOOH and Ice
 W-CARB-AA Template: DEFAULT (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
 3-Hydroxycarbofuran
 Aldicarb

MCAA BUFFER S
 SER:# 118437
 EXP: 02/09/2022

Bottle Group A (Water) With 1 Samples:

- ✓ Bottle Type: BG-500ML Number of Bottles: 1 Preserved With: CH₂CICOOH and Ice
 W-CARB-AA Template: DEFAULT (EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
 Aldicarb Sulfone
 Aldicarb Sulfoxide
 Carbaryl
 Carbofuran
 Methiocarb
 Methomyl
 Oxamyl
 Propoxur
- ✓ 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
 Chlordane
 Toxaphene
- W-PCB-TQ-R Template: DEFAULT (EPA 8270E) PCBs in water matrices by GC/MS/MS
 PCB-1016
 PCB-1221
 PCB-1232
 PCB-1242
 PCB-1248
 PCB-1254
 PCB-1260
- W-PCL-TQ-R Template: DEFAULT (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS
 *Hexachlorobenzene
 Aldrin
 Alpha-BHC
 Alpha-Chlordane
 Beta-BHC
 Beta-Cyfluthrin
 Bifenthrin
 Chlorothalonil
 Cis-Nonachlor
 Cypermethrin
 Dacthal
 DDD-p,p'
 DDE-p,p'
 DDT-p,p'
 Delta-BHC
 Deltamethrin
 Dichlobenil
 Dicofol
 Dieldrin
 Endosulfan I
 Endosulfan II
 Endosulfan Sulfate
 Endrin
 Endrin Aldehyde
 Endrin Ketone
 Esfenvalerate
 Ethalfluralin
 Fenpropathrin
 Gamma-BHC
 Gamma-Chlordane
 Heptachlor
 Heptachlor Epoxide
 Kepone
 Lambda-Cyhalothrin
 Methoprene
 Methoxychlor
 MGK-264

Bottle Group A (Water) With 1 Samples:

- ✓ Bottle Type: BG-500ML FILL TO Number of Bottles: 4 Preserved With: ICE
 W-PCL-TQ-R Template: DEFAULT (EPA 8270E) Organochlorine pesticides, pyrethroids and tracers in water matrices by GC/MS/MS
 Mirex
 Oxychlordane
 Permethrin
 Phenothrin
 Piperonyl Butoxide
 Prallethrin
 Tau-Fluvalinate
 Tetramethrin
 Trans-Nonachlor
 Triclosan Methyl
 Trifluralin
- ✓ 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
 Acesulfame K
 AMPA
 Endothall
 Glufosinate
 Glyphosate
 Sucralose
- W-E8321-MS Template: SMP (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
 2,4-D
 2,4,5-T
 Acetaminophen
 Acetamiprid
 Afdopyropen
 Bentazon
 Benzovindiflupyr
 Carbamazepine
 Clothianidin
 Dinotefuran
 Diuron
 Fenuron
 Fluridone
 Hydrocodone
 Ibuprofen
 Imazapyr
 Imidacloprid
 Linuron
 Mandestrobin
 MCPP
 Naproxen
 Primidone
 Pyraclostrobin
 Silvex
 Thiamethoxam
 Tolfenpyrad
 Triclopyr
- ✓ Bottle Type: P-500ML Number of Bottles: 1 Preserved With: ICE And H2SO4
 W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
 Ammonia-N
 W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
 NO2NO3-N
 W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
 Total-P
 W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
 Kjeldahl Nitrogen
 W-TOC Template: DEFAULT (SM 5310 B-2011) Nonpurgeable Organic Carbon in aqueous matrices
 Organic Carbon
- ✓ Bottle Type: P-125ML Number of Bottles: 1 Preserved With: FILTER-ICE

Bottle Group A (Water) With 1 Samples:

✓ Bottle Type: P-125ML Number of Bottles: 1 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
 O-Phosphate-P

Bottle Type: BG-1L Number of Bottles: 4 Preserved With: ICE
 W-PSNP-TQ Template: DEFAULT (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

*Caffeine
 *Fipronil Desulfinyl
 *Loratadine
 *Phenytoin
 Acetochlor
 Alachlor
 Ametryn
 Atrazine
 Atrazine Desethyl
 Azinphos Methyl
 Azoxystrobin
 Bromacil
 Butylate
 Carbophenothion
 Carfentrazone Ethyl
 Chlorfenapyr
 Chlorpyrifos Ethyl
 Chlorpyrifos Methyl
 Coumaphos
 Cyanazine
 Cyprodinil
 Demeton
 Diazinon
 Difenconazole
 Dimethenamid
 Dimethomorph
 Disulfoton
 Dithiopyr
 EPTC
 Ethion
 Ethoprop
 Etridiazole
 Fenamiphos
 Fenbuconazole
 Fipronil
 Fipronil Sulfide
 Fipronil Sulfone
 Fluzifop-P-butyl
 Fludioxonil
 Flumioxazin
 Flutolanil
 Fluxapyroxad
 Fonofos
 Hexazinone
 Imazalil
 Iprodione
 Malathion
 Metalaxyl
 Metolachlor
 Metribuzin
 Mevinphos
 Molinate
 Myclobutanil
 Naled
 Napropamide
 Norflurazon

Bottle Group A (Water) With 1 Samples:

Bottle Type: BG-1L Number of Bottles: 4 Preserved With: ICE
 W-PSNP-TQ Template: DEFAULT (EPA 8270E) Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS

Oxadiazon
 Oxyfluorfen
 Parathion Ethyl
 Parathion Methyl
 Pendimethalin
 Phorate
 Prodiamine
 Prometon
 Prometryn
 Pronamide
 Propanil
 Propargite
 Propiconazole
 Pyraflufen Ethyl
 Pyridaben
 Pyriproxyfen
 Simazine
 Stirophos
 Sulfentrazone
 Tebuconazole
 Terbufos
 Terbutylazine
 Thiobencarb
 Triadimefon

W-TR-SQ-R Template: DEFAULT (EPA 8270E) Analysis of Sunscreen Compounds and Flame Retardants in Water by GC/MS-SIM

*2-Ethylhexyl 2,3,4,5-tetrabromobenzoate (EHTBB)

*Avobenzone

*Dechlorane Plus

*Octinoxate

*Oxybenzone

*PBDE-47

*PBDE-99

*Tri-o-cresyl Phosphate

Bottle Group B (Water) With 1 Samples:

✓ Bottle Type: BP-1L Number of Bottles: 1 Preserved With: Lugols
 DTY-QN-C Template: DEFAULT (SOP-AB05_1) No. of diatom taxa of quantitative phytoplankton sample.

*Phytoplankton-Quantitative-#Diatom Taxa

PKD-QN-BV Template: DEFAULT (SOP-AB05) No. of wet taxa of quantitative phytoplankton sample w/speciation and cell counts.

*Phytoplankton-Quant Biovolume-#Wet Taxa

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