**EcoFoci Spring Mooring Cruise Sampling**

*eDNA filtering - Sample Numbers to*

*~40 CTDs, 3 niskins per dive, 1 filter per niskin (~120 samples in total)*

*Negative Control = START, 50, 100, END*

**Materials**

Gloves (3 M boxes)

Table bench cloth

Zip ties (small/large)

String/Bungees

Writing utensils and labels/labeling supplies (in plastic bag)

Forceps/Razor Blades

Kim wipes (2 boxes)

Aluminum foil (1 box)

Notebook (1)

Paper towels (3 rolls)

Tupperware Storage Box

Ziplock bags (Box of 60)

Trash bags

Shower curtain

Graduated cylinder

Float coat

Boots

Hard hat

General:

**Toolkit #1**

* Hose clamps
* Electrical tape
* Work gloves (L)
* Wrenches/screwdrivers/pliers/snips
* Scissors
* Box cutter
* Eye bolts
* Headlamp
* Tape measure

Sterilization:

Buckets (4)

Bleach (1 gallon)

Filled RO carboy (2)

Bottle for RO water (sterilized + filled)

Bottle for ethanol

Bottle for bleach - prelabeled

eDNA Filtering:

Peristaltic pump

Pump accessory bag (charger, etc.)

150 sterivex filters (10 boxes)

300 end caps (3 full boxes)

Whirlpaks (180)

1 L brown Nalgene bottles (Quantity: 39)

1 L brown Nalgenes bottles filled with RO (Quantity: 4)

Tubing (Quantity: 46)

95% ethanol (10 x 50 mL tubes)

95% ethanol (1, 500 ml)

P1000 and tips(3 boxes)

Female luer to ¼” barb connector

Syringes (1 box 60 mL)

Parafilm

Caulking gun (backup if pump fails)

50 mL falcon tubes (25)

Tube rack

Packing for way home:

Coolers/techni ice for sample storage

PPS Preparation:

200 mL, 100 mL, and 50 mL syringe

Necessary priming tubing

Plastic Container

Tool Kit + Communication Cable

Filters (small and large)

New batteries