**Sikuliaq Sampling**

*eDNA filtering - Sample Numbers* ***E1053*** *to* ***E1145***

*25-30 dive targets, 3 niskins per dive, 1 filter per niskin (75-90 samples in total)*

*Negative Control = START, 50, END*

**Materials**

General:

**Toolkit #1**

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

Gloves (2 L boxes)

~~Table bench cloth~~

Safety goggles (1)

Zip ties (small/large)

String

Bungees

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

Forceps/tweezers

Razor blade

Kim wipes (2 boxes)

~~Aluminum foil (1 box)~~

Notebook (3; S/M/L)

~~Paper towels (2 rolls)~~

Tupperware Storage Boxes

Ziplock bags (Box of 60)

Rite-N-Rain Paper

Clipboard

Trash bags

Lab coat

Sterilization:

Buckets (3)

~~Bleach (2 gallon)~~

Sterilized RO carboy

Bottle for RO water (sterilized + filled)

Bottle for ethanol

Bottle for bleach

eDNA Filtering:

Peristaltic pump

Pump accessory bag (charger, etc.)

~~100 sterivex filters (7 boxes)~~

~~200 end caps~~~~(2 boxes)~~

~~Whirlpacks (Quantity: 100)~~

1 L brown Nalgene bottles (Quantity: 18)

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

Tubing (Quantity: 21)

~~95% ethanol (3 500 ml bottles)~~

P1000 and tips(3 boxes)

Female luer to ¼” barb connector

Syringes (1 box 60 mL, 1 box 5 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