

ESS Lock N' Load™ Handle & Syringe
Instructions for Use/S.O.P.

For taking field soil samples or sub-sampling in the lab:

1. Insert Lock N' Load™ Syringe into Lock N' Load™ Handle at base opening. Turn the locking portion of the syringe into the O gram setting. Remove end cap from the Lock N' Load™ Syringe. Position the Lock N' Load™ Handle to the desired soil sample volume (5 grams or 10 grams)*. To do this, slide the slot portion of the handle down the fitted track, then turn the handle 1/4 turn right at the desired setting. Push the syringe into the soil until the plunger portion of the syringe makes contact with the base of the Lock N' Load™ Handle. Transfer the soil from the syringe into a 40 ml vial** by turning the Lock N' Load™ Handle 1/4 turn left (back to the fitted track) and pushing down.
2. Cap the vial and store the sample at 4° C until time of analysis.

*USEPA Method 5035 recommends 5 grams of soil for low level analysis (with 5 mL of sodium solution) and 10 grams of soil for medium to high level analysis (with 10 mL of methanol). Sample amounts and preservative types may vary between regulatory agencies.



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4201 B Street
Anchorage, AK 99503
(907) 770-9041

25420 74th Avenue S.
Kent, WA 98032
(253) 373-9041

www.tttenviro.com

info@tttenviro.com