



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Michigan Department of Environment, Great Lakes, and Energy  
Laboratory Services Section  
Environmental Lab

## Bottle Order Request - Water & Soil

Filed By:

Filed Date:

Order Date:

Select **ONE** of the following:

**Pickup my Order:**

**Ship my Order by:**

**Lab Policy requires minimum 5 Business Days for standard order fulfillment.**

* Requester Name:		* Shipper (if applicable):	
* Shipping Address 1:		* Account (if applicable):	
Shipping Address 2:			
* City, State, Zip:			
* Phone:			
* Email:			
Contractor:			
* EGLE Division / Office:			
* Site / Project Name:			
* Location ID:			
* State Project Manager:			

\* Denotes Required Information. These must be completed for order acceptance and fulfillment.

Enter Order Quantities Below...

Sample Container	Included Analyses	Quantity per Sample	Preservative Quantity	Trip Blank Quantity	Fld Blank Quantity	Order Quantity
<b>WATER</b> *FF = Field Filtered						
500 mL Plastic - Neutral	Suspended Solids, Diss Solids, Turbidity	1				
125 mL Plastic - Neutral	Alk, Cl, SO <sub>4</sub> , pH, Cond, O-Phos, NO <sub>2</sub> , NO <sub>3</sub> (Calc)	1				
125 mL Plastic - Neutral	Diss Cr6+ (*FF), Diss O-Phos (*FF)	1				
250 mL Plastic - Acidic (H <sub>2</sub> SO <sub>4</sub> )	NH <sub>3</sub> , NO <sub>3</sub> +NO <sub>2</sub> , TKN, T-Phos, COD	1	H <sub>2</sub> SO <sub>4</sub> :			
250 mL Plastic - Acidic (HNO <sub>3</sub> )	Total Metals	1	HNO <sub>3</sub> :			
250 mL Plastic - Acidic (HNO <sub>3</sub> )	Dissolved Metals (*FF)	1	HNO <sub>3</sub> :			
125 mL Plastic - Basic (NaOH)	Total Cyanide, Available Cyanide	1	NaOH:			
250 mL Plastic Amber (MgCO <sub>3</sub> )	Chlorophyll	1	MgCO <sub>3</sub> :			
500 mL Glass	Low Level Mercury	1				
40 mL Vial (H <sub>3</sub> PO <sub>4</sub> )	Total Organic Carbon	2				
40 mL Vial (H <sub>3</sub> PO <sub>4</sub> )	Dissolved Organic Carbon (*FF)	2				
40 mL Vial (HCl)	Volatiles, BTEX/MTBE/TMB, Chlorinated	3	HCl:			
40 mL Vial (HCl)	1,4 Dioxane	2	HCl:			
40 mL Vial (HCl)	Gasoline Range Organics (GRO)	2	HCl:			
40 mL Vial (HCl)	Methane, Ethane, Ethene	2	HCl:			
1 L Amber	Pesticides/PCBs, Toxaphene, Chlordane, DRO/ORO, BNA/PNA/Fingerprint					*See Note 3 on Page 2
250 mL Plastic (PFAS-1633)	PFAS - Method 1633	2				
15 mL Test Tubes (PFAS-8327)	PFAS - Method 8327	3				
<b>SOIL / SEDIMENT</b>						
8 oz Glass Jar	Metals, CN, Pesticides/PCBs, Toxaphene, DRO/ORO, BNA/PNA/Fingerprint	1				
8 oz Plastic Jar + Plastic Syringe	PFAS - Method 8327	1				
40 mL Vial (MeOH) + Plastic Syringe	Volatiles, BTEX/MTBE/TMB, Chlorinated, GRO, 1,4-Dioxane					<b>Order Soil VOA Methanol Kits on Field Supply Request form EQP4037 1 kit per sample</b>
<b>MISCELLANEOUS</b>						
Cooler (Supplies may be limited based on availability at the time of order)						

Submit completed form to [egle-essd-lab-bottles@michigan.gov](mailto:egle-essd-lab-bottles@michigan.gov)

## Bottle Order Request - Water & Soil

Collection & Preservation		
Sample Container	Notes	Preservation & Storage
<b>WATER</b>		
500 mL Plastic - Neutral	-	Cool, ≤ 6°C
125 mL Plastic - Neutral	1	Cool, ≤ 6°C
250 mL Plastic - Acidic (H <sub>2</sub> SO <sub>4</sub> )	-	H <sub>2</sub> SO <sub>4</sub> to pH < 2 (5 drops / 250 mL), Cool, ≤ 6°C
250 mL Plastic - Acidic (HNO <sub>3</sub> )	1	1:1 HNO <sub>3</sub> to pH < 2 (2.5 mL / 250 mL)
125 mL Plastic - Basic (NaOH)	-	10N NaOH to pH 12 (5 drops / 125 mL), Cool, ≤ 6°C
250 mL Plastic Amber (MgCO <sub>3</sub> )	-	MgCO <sub>3</sub> (5 drops / 250 mL), Cool, ≤ 6°C
500 mL Glass	-	Lab Preserved
40 mL Vial (H <sub>3</sub> PO <sub>4</sub> )	1	Cool, ≤ 6°C
40 mL Vial (HCl)	2	HCl to pH < 2 (5 drops / 40 mL), Cool, ≤ 6°C
1 L Amber	3	Cool, ≤ 6°C
250 mL Plastic (PFAS-1633)	4	Cool, ≤ 6°C
15 mL Test Tubes (PFAS-8327)	4	Cool, ≤ 6°C
<b>SOIL / SEDIMENT</b>		
8 oz Glass Jar	-	Cool, ≤ 6°C
8 oz Plastic Jar + Plastic Syringe	5	Cool, ≤ 6°C
40 mL Vial (MeOH) + Plastic Syringe	6	MeOH (10 mL/10g), Cool, ≤ 6°C

- 1) Samples requiring Dissolved analyses must be field filtered through a 0.45 um filter followed by preservation.
- 2) Fill vial completely (No Air Bubbles) and ensure Teflon side of septum faces sample.
- 3) Semi Volatiles includes: Pesticides, PCB, BNA, PNA, BN, Acids, DRO, ORO.
  - a) Collect 2 ambers if **one of the following** is requested: Pesticides/PCB or BNA/PNA/BN/Acids or DRO/ORO.
  - b) Collect 3 ambers if **two of the following** are requested: Pesticides/PCB or BNA/PNA/BN/Acids or DRO/ORO.
  - c) Collect 4 ambers if **all three of the following** are requested: Pesticides/PCB and BNA/PNA/BN/Acids and DRO/ORO.
- 4) Equipment Blank Kits only contain PFAS-Free water and can be ordered through the Field Supply Request form (EQP4037) as needed. Additional containers must be ordered through the Bottle Order Request form (EQP4039).
- 5) Fill the syringe with soil/sediment sample for Percent Solids Analysis, cap and label. Return filled syringe with sample for analysis.
- 6) Weigh 10 g of soil and add to preweighed 40 mL vial. Add 10 mL methanol to the vial. Fill the syringe with soil/sediment sample for Percent Solids Analysis, cap and label. Return filled syringe with sample for analysis.

For additional information including Analysis Hold Times, visit our website at [www.Michigan.gov/EGLELab](http://www.Michigan.gov/EGLELab) or by scanning the QR Code below...



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