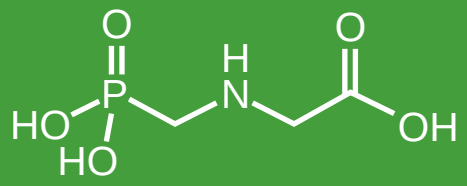
ENVIRO

UCT

UCT'S All New Push-Thru Glyphosate Purification Cartridge!



The Chemical Structure of Glyphosate

Remove unwanted matrix that can lead to significant suppression and loss of ionization with glyphosate and glufosinate.

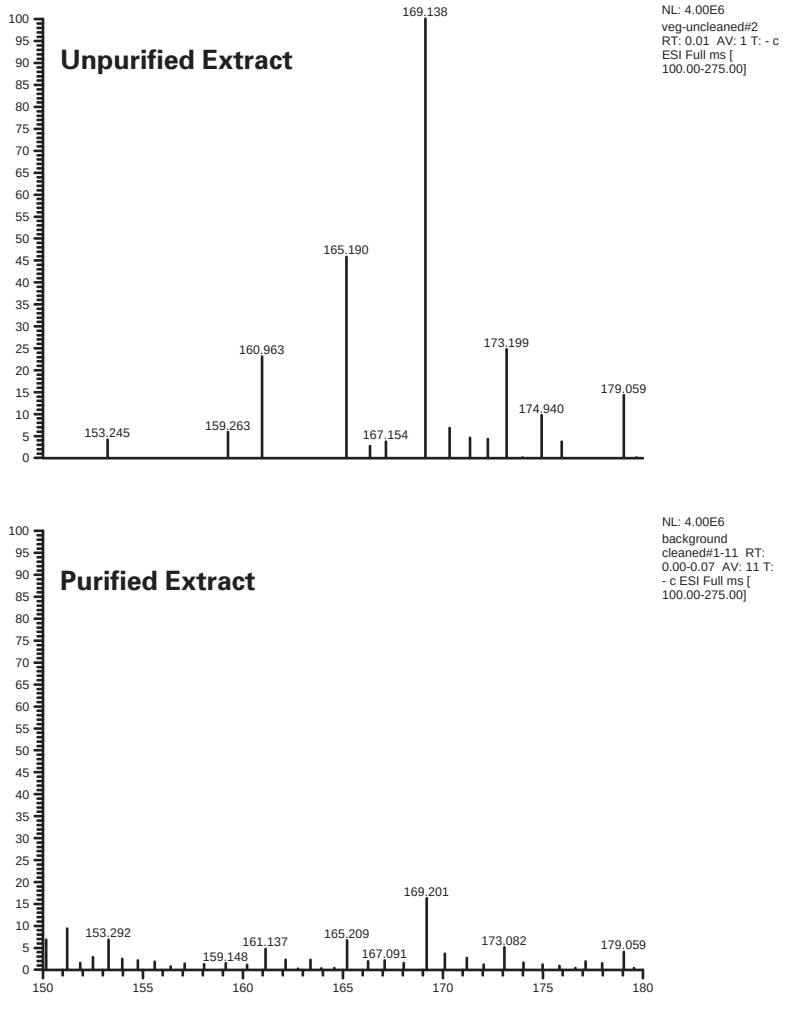
INNOVATION THROUGH CHEMISTRY

A Whole Order of Magnitude Reduction in Background is Observed Following Extract Clean-Up!

Water and vegetation/fruits/swabs and other non-soil samples extracted with water are simply pushed through the Glyphosate Purification cartridge to ultimately remove unwanted matrix that can lead to significant suppression and loss of ionization with glyphosate.

For each sample, take a disposable syringe, remove the plunger, and attach the glyphosate cartridge to the leur lock end. Decant ~3mL of the supernatant into the back of the syringe/cartridge combo. Using the plunger removed earlier, push the sample through the cartridge into a corresponding clean tube. The extract is then saved and sent to derivatization and instrumental analysis.

Glyphosate Ionization Region 150-180 m/z



Infused samples were injected onto LC/MS Ion Trap in full scan mode for an average of a 30 second infusion pre and post clean-up using UCT's Glyphosate Purification Cartridges. Background matrix peaks that can lead to significant suppression and compete with glyphosate and glufosinate during ionization were significantly reduced following clean-up.

Part Number	Size	Contents
ECGLYSC	Small Cartridge	180mg*
ECGLYLC	Large Cartridge	560mg*

* Proprietary polymeric sorbent blend

* Source: Steven C. Moser and OK Department of Agriculture, Food & Forestry
**Glyphosate is traditionally found at 168 m/z.

MADE IN USA

6111-01-01

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