| | |
|---|---|
| **From:** | Sack, Chris A |
| **To:** | Thompson, Richard L.; Chang, Eugene |
| **Cc:** | Mercer, Gregory E; Islam, Mohammed R; Cooke, William; Vonderbrink, John; Masse, Claude; Chamkasem, Narong |
| **Subject:** | RE: Glyphosate Method |
| **Date:** | Wednesday, January 04, 2017 2:06:00 PM |

Thanks Richard. That is awesome!

Happy New Year to everyone,

**Chris**

**Ph: 240-402-2464**

---

**From:** Thompson, Richard L.
**Sent:** Wednesday, January 04, 2017 1:53 PM
**To:** Chang, Eugene
**Cc:** Sack, Chris A
**Subject:** Glyphosate Method

Eugene,

I'm still having great results from the 4 mM TBS-OH ( pH 2.8) Mobile Phase. I'm using straight acetonitrile for mobile phase B. I added a 4 minute equilibration period to get the column back to an initial ion pair state after the ACN finish of the previous run.
I'm running Narong's 7 point calibration curve before and after a sample batch to check for ruggedness and column drifting and I have not seen any problems. The curve points lay on top of each other very well. I spiked a batch of broccoli at 0.002 ug/g and could detect the glyphosate pretty well but I did need to manually integrate some of the peaks . I used broccoli because it's the only thing I have on hand that does not have glyphosate in it. I have brought wheat crackers, granola cereal, and corn meal from home and there's a fair amount in all of them.

The curtain plate is staying pretty clean too. A bit worse than the pesticide method for sure but very usable. I am setting the divert valve to exclude as much as possible.

I have not received the N-acetyl glyphosate yet so I am concerned that it works as well. It should arrive soon.

I thought I would let you know how things are going.

Regards,

Richard Thompson
Chemist
US FDA
Arkansas Regional Laboratory
Pesticides Laboratory
Tel 870-543-4054
Richard.thompson@fda.hhs.gov