Message

From: Brisbin, Judy [Brisbin.Judy@epa.gov]
Sent: 1/31/2019 5:50:20 PM
To: Wendelken, Steve [Wendelken.Steve@epa.gov]
CC: Smith, Glynda [Smith.Glynda@epa.gov]; Karapondo, Michella [Karapondo.Michella@epa.gov]; Hautman, Dan [Hautman.Dan@epa.gov]; Clarage, Meredith [Clarage.Meredith@epa.gov]; Humphrey, Marvelyn [humphrey.marvelyn@epa.gov]; Quinones, Rebecca [quinones.rebecca@epa.gov]; Katie Seely, Ph.D. [Katie.Seely@arkansas.gov]
Subject: FW: Extraction Disk vs Cartridges
Attachments: EPA Method 549.2.pdf

Importance: High

I am forwarding this message to Steve Wendelken for a reply. Steve is our primary contact for this method.

Judy

Judith A. Brisbin, Ph.D.
Chemist
USEPA/OW/OGWDW/SRMD/TSC
26 W. Martin Luther King Drive (MS-140)
Cincinnati, OH 45268
513-569-7883
Brisbin.Judy@epa.gov

From: Clark, Rayr
Sent: Thursday, January 31, 2019 12:38 PM
To: Smith, Glynda <Smith.Glynda@epa.gov>; Karapondo, Michella <Karapondo.Michella@epa.gov>; Hautman, Dan <Hautman.Dan@epa.gov>; Brisbin, Judy <Brisbin.Judy@epa.gov>
Cc: Clarage, Meredith <Clarage.Meredith@epa.gov>; Humphrey, Marvelyn <humphrey.marvelyn@epa.gov>; Quinones, Rebecca <quinones.rebecca@epa.gov>; Katie Seely, Ph.D. <Katie.Seely@arkansas.gov>
Subject: FW: Extraction Disk vs Cartridges
Importance: High

Technical question from ADH in Region 6.

From: Katie Seely, Ph.D. <Katie.Seely@arkansas.gov>
Sent: Thursday, January 31, 2019 11:22 AM
To: Clark, Rayr <clark.rayr@epa.gov>
Subject: Extraction Disk vs Cartridges
Importance: High

Hi Ray,

Good speaking with you a few minutes ago.

As I mentioned, we are having major issues with 549.2 since 3M is no longer making the C8 extraction disks. We have tried other disks but have no luck. We are at the point where we can no longer run samples and must cease testing.

This week, we had Thermo on site developing an extraction protocol for 549.2 using their system and C8 extraction cartridges. The recoveries were low. Then, the Thermo techs found a technical note from Phenomenex (which we are trying the Phenomenex cartridges as we speak) that says the way to increase recovery is to treat the cartridges the same as the disks. You see, in the 549.2 method, the disks have about 1 mL of methanol on top, which is collected with the

sample. But, the method states to not collect the 1 mL of methanol using the cartridges. When we collect the methanol using the cartridges (like in the attached tech note) the recoveries are great.

Can we use this slight modification to the method since this is the way we've been treating our extraction disks?

Also, we are in a time crunch. The system is on-site and we can keep the current system if we agree to purchase the system. But, I'm not sure if the system will work for us since this is a change to the method. If they leave with the system, it could be at least a month before we can get another on-site, if we are approved to do the modification. If not, we are at square one and will have to cease testing indefinitely.

Help!

Katie

Katie Seely, PhD
Branch Chief, Environmental Laboratories
Arkansas Public Health Laboratory
201 South Monroe Street
Little Rock, Arkansas 72205
501-661-2826

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