Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 9/30/2019 2:06:03 PM
To: Washington, John [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=fdc3e8ce9f1d45c4894881ff420ca104-Washington, John]; Goodrow, Sandra [Sandra.Goodrow@dep.nj.gov]; Rosal, Charlita [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=cd0e742048554e7596f6c76ca2ad7292-Rosal, Charlita]; McCord, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=McCord, James]; Lindstrom, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04bf7cf26aa44ce29763fbc1c1b2338e-Lindstrom, Andrew]; Bergman, Erica [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=user69ab393b]; Tadesse, Haile [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=114d2e5f74bf4c958eff767e15479552-Tadesse, Ha]; Pilant, Drew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c9669a68dabb4704bdd7c2eb85f998b2-Pilant, Drew]; Davis, Mary J. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a11c3a4da6248dfbaecd3465fe1ebc3-Davis, Mary]
CC: Post, Gloria [Gloria.Post@dep.nj.gov]
Subject: RE: Internal deliberative draft manuscript on NJ soil PFAS prepared for submission to a journal: 2 of 2
Attachments: Solvay Bormida River 2013 Dagnino.xlsx

FYI,

I took a look at the Bormida River Italy water samples today. Many of the Ex. 4 CBI e there as well as a lot of PFOA. In particular those of larger molecular weight are present. Here is from one sample. This is not the spread for the water samples we work on in NJ. They were roughly 97% one Ex. 4 CBI

Mark

From: Washington, John <Washington.John@epa.gov>
Sent: Monday, September 30, 2019 9:35 AM
To: Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Rosal, Charlita <rosal.charlita@epa.gov>; McCord, James <mccord.james@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Bergman, Erica <erica.bergman@dep.nj.gov>; Tadesse, Haile <tadesse.haile@epa.gov>; Pilant, Drew <Pilant.Drew@epa.gov>; Davis, Mary J. <davis.maryj@epa.gov>
Cc: Post, Gloria <Gloria.Post@dep.nj.gov>
Subject: RE: Internal deliberative draft manuscript on NJ soil PFAS prepared for submission to a journal: 2 of 2

Hello everyone,

It looks like Wednesday from 1:00 PM until 2:30 is open so let's all reserve this time. We might not need nearly this much time, but better to have too much than too little. I will try to send an invitation shortly and follow the invite later with conference-line details.

I am attaching an updated manuscript (I hate when people do that too, but couldn't resist). In the update, I fixed the intro references which had been carelessly chosen, improved the explanation of the negative-valued legacy variable, addressed a few typos and similar.

Also I will follow this with a new SM file. I think the only change on the SM file is I added the M8C8 recovery standards results to Table S5 (which are very good).

Mark that is an interesting new find. It would add to the relevance of the findings at other locations. I will need to look at the Science papers selection again to see if it reports less interest in local-only issues. But also it could be a challenge to work in, fully explained, with word limits. Another possibility is to report in the water manuscript.

Sandra, I think Myriam Medina-Vera with our lab is looking into having this compound synthesized. Right Mark, James and/or Andy?

Haile I think you should add a sentence or two regarding the contouring algorithm, or add to the SM if a longer explanation is needed.

John

From: Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>
Sent: Monday, September 30, 2019 9:21 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Washington, John <Washington.John@epa.gov>; Rosal, Charlita <rosal.charlita@epa.gov>; McCord, James <mccord.james@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Bergman, Erica <erica.bergman@dep.nj.gov>; Tadesse, Haile <tadesse.haile@epa.gov>; Pilant, Drew <Pilant.Drew@epa.gov>; Davis, Mary J. <davis.maryj@epa.gov>
Cc: Post, Gloria <Gloria.Post@dep.nj.gov>
Subject: RE: Internal deliberative draft manuscript on NJ soil PFAS prepared for submission to a journal: 2 of 2

I have had discussions with Ex. 4 CBI about what he needs to develop a method that includes these compounds. Obviously, a technical grade standard is best, with a product sample potentially being able to help. However, NJDEP has asked Solvay for these items, and they are not providing them to us.

What are your thoughts on moving forward on this issue? Wait for Ex. 4 CBI

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From: Strynar, Mark <Strynar.Mark@epa.gov>
Sent: Monday, September 30, 2019 7:55 AM
To: Washington, John <Washington.John@epa.gov>; Rosal, Charlita <rosal.charlita@epa.gov>; McCord, James <mccord.james@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Bergman, Erica <Erica.Bergman@dep.nj.gov>; Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>; Tadesse, Haile <tadesse.haile@epa.gov>; Pilant, Drew <Pilant.Drew@epa.gov>; Davis, Mary J. <davis.maryj@epa.gov>
Subject: [EXTERNAL] RE: Internal deliberative draft manuscript on NJ soil PFAS prepared for submission to a journal: 2 of 2

All,

Some new information to be aware of but not necessarily put in this paper.

I was digging through some old data files for another project that was run on our TOFMS and stumbled across something. Back in May of 2013 a former post-doc of mine from Italy (Sonia Dagnino) ran a few samples she collected when she was back home visiting Italy. The samples originated from the Bormida river in Italy near the town of Alessandria, Italy and a Solvay Specialty polymers plant. GPS coordinates of the Solvay plant N 44.885239, E 8.676994. Samples were taken up stream of the Solvay plants influence and downstream as well. I can tell you that the main compound we see in the NJ water sample Ex. 4 CBI) was also present there and in high concentration based on the fact that the peak was saturated. The upstream samples and the blanks did not have this peak.

I have not yet looked for the other Ex. 4 CBI o see if they were present.

I think at a minimum this adds to the story of the presence of these compounds around more than one Solvay plant in different parts of the world over a span of many years.

Mark

From: Washington, John <Washington.John@epa.gov>
Sent: Thursday, September 26, 2019 10:16 AM
To: Rosal, Charlita <rosal.charlita@epa.gov>; McCord, James <mccord.james@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Bergman, Erica <erica.bergman@dep.nj.gov>; Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>; Tadesse, Haile <tadesse.haile@epa.gov>; Pilant, Drew <Pilant.Drew@epa.gov>; Davis, Mary J. <davis.maryj@epa.gov>
Subject: RE: Internal deliberative draft manuscript on NJ soil PFAS prepared for submission to a journal: 2 of 2

From: Washington, John
Sent: Thursday, September 26, 2019 10:15 AM
To: Rosal, Charlita <rosal.charlita@epa.gov>; McCord, James <mccord.james@epa.gov>; Strynar, Mark <strynar.mark@epa.gov>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Bergman, Erica <erica.bergman@dep.nj.gov>; Goodrow, Sandra <Sandra.Goodrow@dep.nj.gov>; Tadesse, Haile <tadesse.haile@epa.gov>; Pilant, Drew <Pilant.Drew@epa.gov>; Davis, Mary J. <davis.maryj@epa.gov>
Subject: Internal deliberative draft manuscript on NJ soil PFAS prepared for submission to a journal: 1 of 2

Hello everyone,

Attached to this email is a draft manuscript reporting on the NJ soil PFAS project. A second email will follow with the large Supplemental Material file. I have drafted this to submit to a peer-reviewed journal after all reviews and clearances are done.

You contributed to the science reported in this manuscript and I hope you are willing to be a co-author. I have taken a shot at the author order. Please let me know if you have any concerns on your place as an author on this draft. I am sending this draft to you all for your author reviews.

I would like to try to have a teleconference next week, sometime on Wednesday or early Thursday to hear if there are any major concerns. Can you all reply to all with your availability Wednesday October 2 and Thursday October 3 between 10 AM and 2 PM? In the mean time if you have any questions or concerns beforehand, please feel entirely free to call or email me.

If we discover in our meeting next week that there are no major problems, we might be able to start the EPA clearance while us authors edit details. This would be good because EPA clearance probably will take a long time.

Erica and Sandra, in particular, would you please check and improve the sampling campaign discussion located at the front of the Supplemental Materials?

Thanks everyone!
John