Message

From: McCord, James [mccord.james@epa.gov]
Sent: 9/17/2018 12:02:05 PM
To: Leung, Lam-Wing H [LAM.H.LEUNG-1@chemours.com]; Strynar, Mark [Strynar.Mark@epa.gov]
Subject: RE: Meeting and past Chemours groundwater testing info
Attachments: Supporting Information Clustering Plots + with structures.pdf

Lam,

I had run a clustering analysis on the time-trend relative abundance of the different compounds that we identified. The graphs are attached, clustered by similarity in trend, structures where known, formulas otherwise. You are correct that most of the species are nearly undetectable after the first sampling event(s).
--
James McCord

From: Leung, Lam-Wing H [mailto:LAM.H.LEUNG-1@chemours.com]
Sent: Friday, September 14, 2018 10:21 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>; McCord, James <mccord.james@epa.gov>
Subject: RE: Meeting and past Chemours groundwater testing info

Hi Mark & James,

I hope you and all your colleagues are all safe and well with Florence.

Couple questions regarding the list you sent me:
1. Can you share with me the relative peak area of these analytes?
2. I'm curious as to know if you have analyzed more recent river water samples and see if you have detected any of these analytes (my guess is that the number of analytes would be much much lower).

Best Regards,
Lam

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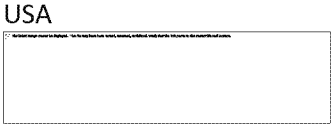

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From: Strynar, Mark [mailto:Strynar.Mark@epa.gov]
Sent: Friday, September 7, 2018 9:52 AM

To: Leung, Lam-Wing H <LAM.H.LEUNG-1@chemours.com>; McCord, James <mccord.james@epa.gov>
Subject: RE: Meeting and past Chemours groundwater testing info

James,

Can you make a mass list of all these analytes so we can go back in re-querry the GW results from the Fayetteville on site wells. Then we can tell Lam whether or not we see these other chemicals in the GW as well.

Mark

From: Leung, Lam-Wing H [mailto:LAM.H.LEUNG-1@chemours.com]
Sent: Thursday, September 06, 2018 12:53 PM
To: McCord, James <mccord.james@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Meeting and past Chemours groundwater testing info

Thank you James. That's very helpful.

Lam

From: McCord, James [mailto:mccord.james@epa.gov]
Sent: Thursday, September 6, 2018 12:22 PM
To: Leung, Lam-Wing H <LAM.H.LEUNG-1@chemours.com>; Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Meeting and past Chemours groundwater testing info

These are only compounds found in the river from a Grab sample in May of last year, before the Star News article was published.
--
James McCord

From: Leung, Lam-Wing H [mailto:LAM.H.LEUNG-1@chemours.com]
Sent: Thursday, September 6, 2018 8:08 AM
To: McCord, James <mccord.james@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Meeting and past Chemours groundwater testing info

Hi Mark & James,

Thanks again for the info, my only question is are these collection of compounds found in the ground/well water on Fayetteville site or these were found in the river water samples?

Best Regards,
Lam

From: McCord, James [mailto:mccord.james@epa.gov]
Sent: Tuesday, September 4, 2018 12:12 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>; Leung, Lam-Wing H <LAM.H.LEUNG-1@chemours.com>
Subject: RE: Meeting and past Chemours groundwater testing info

This is the master list.

Contains predicted formula and some class information where available. CAS if we found one that matched, neutral mass for all of them. Letters indicate distinct chromatographically resolved isomers.

Let me know if you need anything else.
--
James McCord

From: Strynar, Mark
Sent: Tuesday, September 4, 2018 11:52 AM
To: Leung, Lam-Wing H <LAM.H.LEUNG-1@chemours.com>
Cc: McCord, James <mccord.james@epa.gov>
Subject: RE: Meeting and past Chemours groundwater testing info

Lam,

I have not been able to get the mass list put together. James can you do this and share with Lam. If they are analytes we both know please share name as well . If it is not just give a mass.

Thanks,

Mark

From: Leung, Lam-Wing H [mailto:LAM.H.LEUNG-1@chemours.com]
Sent: Tuesday, September 04, 2018 11:34 AM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: RE: Meeting and past Chemours groundwater testing info

Hi Mark,

It was good meeting up with you and Detlef last week and thanks for the link. As I mentioned during the meeting, our external lab is currently working on lowering the LOQ of the "Table 3" methods via direct injection which I believe it might get to 10-20ppt (for most).

By the way, did you have a chance to go through the list of compounds which you were going to provide me with the mass #s?

Hope you and the family had a great long Labor Day weekend.

Best regards,
Lam

From: Strynar, Mark [mailto:Strynar.Mark@epa.gov]
Sent: Friday, August 31, 2018 7:38 AM
To: Leung, Lam-Wing H <LAM.H.LEUNG-1@chemours.com>; Shoemaker, Stephen H <STEPHEN.H.SHOEMAKER@chemours.com>; Garon, Kevin P <Kevin.Garon@chemours.com>
Subject: Meeting and past Chemours groundwater testing info

Lam, Kevin and Stephen,

It was nice to meet with you and Detlef yesterday. Thanks for sharing the GAC treatment data. It looks very promising. It would be great to understand the LOQ of the contract lab method and how it differs from the LOQ of 200 ng/L direct injection method. Concerning the monitoring well data we supplied this info to NCDEQ back on September 13th, 2017. The link below is the publicly available PDF of that data.

The sections in grey as you read will be estimated based on HFPO-DA response. Not quantitated with authentic standards. I am going to go back and take a look at a few of these to see what other analytes we saw but did not report. These were the analytes we were asked to report on at that time. I expect compounds such as Hydro EVE or NVHOS may turn up but I am unsure.

Mark

NCDEQ response to me when I asked for the public link:

The map of results on the DEQ GenX webpage. Go to the Groundwater GenX page; it's the second link on the page. The EPA document with GW results, including expanded PFAS compounds, has been made public. It is in our online electronic database:
http://edocs.deq.nc.gov/WasteManagement/0/edoc/744114/NCD047368642_NC%20DEQ%20GW%20Sampling%20Report%20from%20EPA%20Lab_20170913.pdf?searchid=f45659bb-78f1-49ef-ac75-ea0f02e8228b

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