Message

From: Corton, Chris [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=E60424CA0E674243B0390979345C066A-CORTON, CHRIS]
Sent: 4/24/2018 7:56:07 PM
To: Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]; Lee Ferguson [lee.ferguson@duke.edu]; Richard Di Giulio, Ph.D. [richd@duke.edu]
CC: Simmons, Jane [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=4fd75018b00b4fc29134386374395f44-Simmons, Jane]; Lang, Johnsie [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b220365e540947f7a7c55cde0904f73e-Lang, Johns]; McCord, James [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=McCord, James]; Lau, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dd4494e8927a4d78a5d2b9b20c618d4e-Lau, Chris]
Subject: RE: Old Chemours effluent Water etc.

Mark, we are really interested in profiling these samples along with pure compounds. I will start the paperwork to get this going.

Thanks
jcc

From: Strynar, Mark
Sent: Tuesday, April 24, 2018 3:23 PM
To: Lee Ferguson <lee.ferguson@duke.edu>; Richard Di Giulio, Ph.D. <richd@duke.edu>
Cc: Corton, Chris <Corton.Chris@epa.gov>; Simmons, Jane <Simmons.Jane@epa.gov>; Lang, Johnsie <lang.johnsie@epa.gov>; McCord, James <mccord.james@epa.gov>; Lau, Chris <Lau.Christopher@epa.gov>
Subject: Old Chemours effluent Water etc.

FYI,

I am going to be away at the TRACs meeting in Cincinnati this evening until Friday AM.

I was able to run 20 L of the old Chemours effluent stream water yesterday onto 5 SPE cartridges (4L/cartridge). My colleague Johnsie Lang measured the concentration of GenX in the water at 8,500 ng/L and PFMOAA at ~ 75,000 ng/L. I think the Nafion By Product #2 was around 250 ng/L. There are likely other PFAS I don't have accurate concentration measurements for in the water.

Thus each cartridge has:
(4) 8,500 ng GenX = 34,000 ng (= 34 ug GenX)
(4) 75,000 ng PFMOAA = 300,000 ng (= 300 ug PFMOAA)
(4) 250 ng Nafion BP2 = 1,000 ng (=1 ug Nafion BP2)
(4) other unmeasured PFAS???

I have not eluted any of the cartridges yet. They are dry and stored in my lab. I usually extract with 5 mL 0.1% NH4OH in methanol and evaporate down to about 1 mL for analysis. Let me know what does or does not work for each of your efforts.

Mark