Message

From: Detlef Knappe [knappe@ncsu.edu]
Sent: 6/20/2017 12:28:15 AM
To: Lindstrom, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04bf7cf26aa44ce29763fbc1c1b2338e-Lindstrom, Andrew]; Strynar, Mark [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a9910d5b38e471497bd875fd329a20a-Strynar, Mark]; Hillary Stoll [hjstoll@ncsu.edu]
CC: Lauren Richter [richter.l@husky.neu.edu]
Subject: Re: Exact sampling locations for December 16, 2016

Thank you, Andy!

Detlef

On 6/19/17 9:15 AM, Lindstrom, Andrew wrote:

Detlef,

These were the samples I collected with Lauren Richter this past December.

The Huske lock and dam facility was closed due to damage from Hurricane Mathew so we collected the samples from the creek (rill) that DuPont formerly used for their liquid effluent stream:

34.832942, -78.825583

Please note that this is the same creek that we sampled as no. 5, tributary to the Cape Fear, in the Nakayama et al., 2007 manuscript (Table 3) attached above. That sample was collected where the creek joins the mainstem of the Cape Fear:

34.831679, -78.823109

The water plant samples were from the Tar Heel (Smithfield) plant located at 17014 Highway 87 West. The Plant Supervisor, Mr. Frank Efird, granted access to the plant and coordinated sampling.

34.763512, -78.806649

The Tar Heel samples were collected from the Cape Fear River at the Tar Heel Ferry Road boat launch:

34.745116, -78.785852

Please let me know if you have any other questions.

Thank you,

Andy

From: Detlef Knappe [mailto:knappe@ncsu.edu]
Sent: Saturday, June 17, 2017 1:27 PM
To: Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Hillary Stoll <hjstoll@ncsu.edu>
Subject: Exact sampling locations for December 16, 2016

Andy and Hillary,

DEQ would like me to share results of the December 16, 2016 samples that you collected. Here is what Hillary measured:

Sample ID	Sample Date	Comments	GenX Concentration (ng/L)
Double Blank	N/A	90% 2 mM ammonium acetate and 10% methanol	0
Dupont Rill	12/16/16	Sample had to be diluted 50x	6,424
Dupont Rill Duplicate	12/16/16	Sample had to be diluted 50x	10,073
Water Plant Raw	12/16/16		103
Water Plant Raw Duplicate	12/16/16		137
Water Plant Finished	12/16/16		109
Water Plant Finished Duplicate	12/16/16		87
Tar Heel	12/16/16		172
DI Water Blank	N/A		0
Method Blank	N/A		0

Andy, can you tell me more about the sampling locations? GPS coordinates and additional description? Which water plant? Was the Tar Heel sample collected from the river? Was it Lock and Dam #1?

Hillary, can you send me the GenX standard curve and results of any QCs that went along with this analysis?

Thank you,
Detlef

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