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\$Mailer: Lotus Notes Release 5.0.8 June 18, 2001
\$MessageID: <OF1692D129.4D2CAAEB-ON86256ED6.00620E45@LocalDomain>
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PostedDate: 07/19/2004 02:28:54 PM
Recipients:
<leila.gosselink@ci.austin.tx.us>,<ed.peacock@ci.austin.tx.us>,<nancy.mcclintock@ci.austin.tx.us>,CN=Peter C
VanMetre/OU=WRD/OU=USGS/O=DOI@USGS,jenwilso@usgs.gov
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InheritedFrom: leila.gosselink@ci.austin.tx.us
InheritedAltFrom: leila.gosselink@ci.austin.tx.us
InheritedFromDomain:
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AltFrom: CN=Barbara J Mahler/OU=WRD/OU=USGS/O=DOI
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Principal: CN=Barbara J Mahler/OU=WRD/OU=USGS/O=DOI
SendTo: leila.gosselink@ci.austin.tx.us

CopyTo: ed.peacock@ci.austin.tx.us,nancy.mcclintock@ci.austin.tx.us,CN=Peter C VanMetre/OU=WRD/OU=USGS/O=DOI@USGS,jenwilso@usgs.gov

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Subject: Re: PAH ratios and fingerprinting

EnterSendTo: leila.gosselink@ci.austin.tx.us

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\$UpdatedBy: CN=Barbara J Mahler/OU=WRD/OU=USGS/O=DOI

\$Abstract: Leila, My apologies for not responding sooner, we were in the field (Wisconsin) and out of e-mail co

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Leila,

My apologies for not responding sooner, we were in the field (Wisconsin) and out of e-mail contact all of last week, just got in late late late last night.

The following ratios of PAHs were useful in differentiating between the different types of parking lots:

benzo(a)pyrene:benzo(e)pyrene versus
indeno(1,2,3-c,d)pyrene:benzo(g,h,i)perylene
fluoranthene:pyrene versus benzo(a)pyrene:benzo(e)pyrene
phenanthrene:anthracene versus fluoranthene:pyrene

When the Williamson Creek suspended sediment data was plotted on the same graph, they tended to group with the sealed parking lots as opposed to with the unsealed (asphalt pavement or cement) parking lots. Suspended sediment data from three small urban watersheds in Fort Worth were similar.

We are very interested to find out how your bed sediment look when graphed this way!

Barbara

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07/14/2004 03:56 PM

To: bjmahler@usgs.gov, pcvanmet@usgs.gov
cc: ed.peacock@ci.austin.tx.us, nancy.mcclintock@ci.austin.tx.us
Subject: PAH ratios and fingerprinting

Could you guys fill me in again on what PAH ratios had looked kind of hopeful to differentiate PAH sources (I think even between asphalt and coal tar surfaces). In particular, I was interested in the ratios between the primary PAHs so that I can see if those ratios stick around as they move through the environment (did you all look at the LVSS in Williamson and see if it also looked one or the other way?).

Thanks, Leila

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InetFrom: bjmahler@usgs.gov

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