**RE: University of Cincinnati - Marysville IH Data**

**Hilbert, Timothy (hilbertj)** to: Brattin, Bill, benson.bob 06/14/2012 11:06 AM

From: "Hilbert, Timothy (hilbertj)" <HILBERTJ@UCMAIL.UC.EDU>
To:
Cc: "Borton, Eric (bortonek)" <BORTONEK@UCMAIL.UC.EDU>, "Rice, Carol (ricech)" <ricech@ucmail.uc.edu>, "Lemasters, Grace (lemastgj)" <LEMASTGJ@ucmail.uc.edu>, "Lockey, James (lockeyje)" <lockeyje@UCMAIL.UC.EDU>

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All years. The yearly averages likely do not reflect actual conditions.
-----Original Message-----
From: Brattin, Bill [mailto:brattin@srcinc.com]
Sent: Thursday, June 14, 2012 12:46 PM
To: Hilbert, Timothy (hilbertj); benson.bob@epamail.epa.gov
Cc: Borton, Eric (bortonek); Rice, Carol (ricech); Lemasters, Grace (lemastgj); Lockey, James (lockeyje)
Subject: RE: University of Cincinnati - Marysville IH Data
So, if we fit a curve of some sort, you recommend we use the fitted values for ALL years, or just the years with no data?
**********
Bill Brattin
SRC, Inc.
999 18th Street Suite 1150
Denver CO 80202
Phone: 303-357-3121
Fax: 303-292-4755
e-mail: brattin@srcinc.com
-----Original Message-----
From: Hilbert, Timothy (hilbertj) [mailto:HILBERTJ@UCMAIL.UC.EDU]
Sent: Thursday, June 14, 2012 10:09 AM
To: Brattin, Bill; benson.bob@epamail.epa.gov
Cc: Borton, Eric (bortonek); Rice, Carol (ricech); Lemasters, Grace (lemastgj); Lockey, James (lockeyje)
Subject: RE: University of Cincinnati - Marysville IH Data
Bill and Bob,
We had a chance to discuss this issue. Option 1 may be the simplest but would be hard to defend as it is unrealistic that exposures would vary that much year to year (5.2 to 107 to 4.7). You might consider an approach to smooth out the highs and lows such as plotting all the raw data to provide guidance. Your options would then be to fit a curve through the points or combine years to provide more stable means (i.e. for unload 1973-1977,

1978-1988). Please send us the final table you would like us to use.
Thanks
Tim (for UC team)
-----Original Message-----
From: Brattin, Bill [mailto:brattin@srcinc.com]
Sent: Wednesday, June 13, 2012 3:29 PM
To: Borton, Eric (bortonek)
Cc: Borton, Eric (bortonek); benson.bob@epamail.epa.gov; Hilbert, Timothy (hilbertj)
Subject: RE: University of Cincinnati - Marysville IH Data
Here are a few very quick thoughts (see attached).

**********
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-----Original Message-----
From: Eric Borton [mailto:eric.borton@uc.edu]
Sent: Wednesday, June 13, 2012 1:07 PM
To: Brattin, Bill
Cc: Borton, Eric (bortonek); benson.bob@epamail.epa.gov; Hilbert, Timothy (hilbertj)
Subject: Re: University of Cincinnati - Marysville IH Data
Bill, how would you like to handle the years without any samples?
On 6/13/2012 2:23 PM, Brattin, Bill wrote:
> Eric
>
> Here is a file where I have done two things:
>
> 1) I assigned a value of zero to all samples at the DL (N = 33)
> 2) I calculated the sample mean by area by year (see table in spreadsheet)
>
> Please confirm calcs are right.
> If so, please proceed to generate two tables based on 1980 and 2004 investigations that give yearly exposure concentration by worker by year based on AM concentrations, using format similar to that used before (attached) .
>

> Please feel free to call with any questions:
> 303-697-6593
>
> **********
> Bill Brattin
> SRC, Inc.
> 999 18th Street Suite 1150
> Denver CO 80202
> Phone: 303-357-3121
> Fax: 303-292-4755
> e-mail: brattin@srcinc.com
>
> -----Original Message-----
> From: Eric Borton [mailto:eric.borton@uc.edu]
> Sent: Wednesday, June 13, 2012 11:29 AM
> To: Brattin, Bill
> Cc: benson.bob@epamail.epa.gov; Rice, Carol (ricech);
tim.hilbert@uc.edu
> Subject: University of Cincinnati - Marysville IH Data
>
> Bill,
>
> Here is the requested data per yesterday's conference call. A
column has been added to identify the LOD/LOQ samples (Yes = 1,
No=0). There are 33 LOD/LOQ samples. This is 2 minus the 35
stated during the phone conference. The 2 samples were ultimately
not included in the 914 samples since they were outside samples
unrelated to the work processes of interest. The LOD/LOQ sample
results are the original values (no adjustments).
>
> Eric
>