

From: [Philip, Kris \(DEQ\)](#)  
To: [Krisztian, George \(DEQ\)](#)  
Cc: [Shekter Smith, Liane \(DEQ\)](#); [Busch, Stephen \(DEQ\)](#); [Sygo, Jim \(DEQ\)](#)  
Subject: RE: Emailing: How to Calculate 90th Percentiles.docx  
Date: Tuesday, October 13, 2015 9:16:41 AM

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We have used zero for ND.

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From: Krisztian, George (DEQ)  
Sent: Monday, October 12, 2015 5:48 PM  
To: Philip, Kris (DEQ)  
Cc: Shekter Smith, Liane (DEQ); Busch, Stephen (DEQ); Sygo, Jim (DEQ)  
Subject: RE: Emailing: How to Calculate 90th Percentiles.docx

Kris,

What numerical value is assigned to "Not Detected"? For example a supply has 5 samples:

ND  
ND  
ND  
ND  
0.20 mg/L

Is the ND assigned a numerical value = to the reporting limit or is zero (or some other value) used?

Nit-picky for sure, I just want to have it clear in my mind.

Thank you!  
George

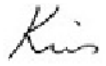
George L. Krisztian  
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From: Philip, Kris (DEQ)  
Sent: Monday, October 12, 2015 4:12 PM  
To: Krisztian, George (DEQ)  
Cc: Shekter Smith, Liane (DEQ); Busch, Stephen (DEQ)  
Subject: Emailing: How to Calculate 90th Percentiles.docx

Attached are the instructions for calculating the 90th percentile.  
There are 3 examples. The 2<sup>nd</sup> example best explains interpolation.

Let me know if you have questions.

A handwritten signature in cursive script, appearing to read "Kris".

Kris Philip

517-284-6518