From:	Heidi Parker
To:	DEP-Overflowmicro
Subject:	RE: T1902687-SMP-2/13/19
Date:	Thursday, March 21, 2019 10:17:53 AM

Thanks, I sent it to Stephen

Heidi Parker, Project Manager
Advanced Environmental Laboratories, Inc.
Florida's Largest Laboratory Network!
Voice: 813-630-9616, FAX: 813-630-4327
Website: http://www.aellab.com

From: DEP-Overflowmicro [mailto:DEP-Overflowmicro@dep.state.fl.us]
Sent: Thursday, March 21, 2019 10:09 AM
To: Heidi Parker
Subject: RE: T1902687-SMP-2/13/19

I embedded my responses in red. Hopefully that is clear. It's hard to email about calculations.

Thank you! Kara

From: Heidi Parker <hparker@aellab.com>
Sent: Wednesday, March 20, 2019 4:25 PM
To: DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>
Subject: FW: T1902687-SMP-2/13/19

HI Kara

Please see below

From: Stephen Cantin
Sent: Wednesday, March 20, 2019 4:13 PM
To: DEP-Overflowmicro
Cc: Heidi Parker; Michael Cammarata
Subject: FW: T1902687-SMP-2/13/19

Hello Kara,

I need some clarification on the calculation as mentioned below please.

Since I can't find a great example of this calculation in SM9222, you're saying the result should be reported out as {[(40+24)/(25+10)]+[25/10]}*100/2=217, correct? Yes, you're right. There really isn't a good example in 9222. We worked with our QC to get guidance on how to treat them. Anyways, yes your above calculations look correct to me.

Would the dilution then also be reported out as {[100/(25+10)]+[100/10]]/2=6.4 Yes

Would the duplicates also be calculated in a similar manner for method EPA1603? Sample calculated, Duplicate calculated, then divide by 2 and add the A qualifier? Dilution calculated similar to SM9222 as mentioned in the example above? Yes and no. In 1603, for the regular dilution series (so not the DUP), you calculate each plate out to a final result and averaging is the last step. So, using these plates as an

example it would be {[(40/25)*100]+[(24/10)*100]}/2= 200. Then the DUP would be (25/10)*100= 250. Then average the 250 and 200, final result 225 with an A-qualifier. But yes, the DUP would be treated as its own sample. And the dilution factor would be calculate as in your example above.

This happens often with duplicates, so we want to get clarification to move forward.

Stephen Cantin, Quality Assurance Officer
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Website: http://www.aellab.com

From: Heidi Parker
Sent: Wednesday, March 20, 2019 2:50 PM
To: Stephen Cantin; Alaina Vuocolo
Cc: Michael Cammarata
Subject: FW: T1902687-SMP-2/13/19

Heidi Parker, Project Manager
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From: DEP-Overflowmicro [mailto:DEP-Overflowmicro@dep.state.fl.us]
Sent: Wednesday, March 20, 2019 2:45 PM
To: Heidi Parker
Subject: RE: T1902687-SMP-2/13/19

Hi Heidi,

Thank you for sending the amended report. I do have an additional request though. I should have let you know before that when including the DUP in the final result, the DUP has to be treated as it's own sample. So in this case, you would calculate a final result from the 10 and 25mL plates for the regular dilution series and then average that with the 10mL DUP sample. It would also need an "A" qualifier for "Average".

Thank you!

Kara

From: Heidi Parker <hparker@aellab.com>
Sent: Tuesday, March 19, 2019 11:57 AM
To: DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>
Subject: RE: T1902687-SMP-2/13/19

Please see attached for your amended report

Heidi Parker, Project Manager
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Voice: 813-630-9616, FAX: 813-630-4327
Website: http://www.aellab.com

From: Heidi Parker
Sent: Tuesday, March 12, 2019 3:59 PM
To: 'DEP-Overflowmicro'
Subject: RE: T1902687-SMP-2/13/19

Hi Kara

Our QA went through it and the dilution factor is incorrect and will be amended. We will include the Dup into the calculated final result of the sample as required by method as well. The analyst will be retrained by QA on the discrepancies

Heidi Parker, Project Manager
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From: DEP-Overflowmicro [mailto:DEP-Overflowmicro@dep.state.fl.us]
Sent: Tuesday, March 12, 2019 2:40 PM
To: Heidi Parker
Subject: RE: T1902687-SMP-2/13/19

Can you have one of the analysts look at this one? And, maybe give me a call? The dilution factor isn't adding up for me. A DF of 17.5 would equate to a total sample volume of about 5.7mL but it looks like for this one the result was calculated based on two plates being in range, the 25 and 10mL plate. Which would produce a DF of 2.86. I am also wondering how you handle your DUPs because it looks like the DUP on the 10mL plate is also in range.

Thanks, Kara

From: Heidi Parker <hparker@aellab.com>
Sent: Monday, March 11, 2019 1:40 PM
To: DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>
Subject: RE: T1902687-SMP-2/13/19

Here you go!

Heidi Parker, Project Manager
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From: DEP-Overflowmicro [mailto:DEP-Overflowmicro@dep.state.fl.us]
Sent: Tuesday, March 05, 2019 4:13 PM
To: Heidi Parker
Subject: RE: T1902687-SMP-2/13/19

Hey Heidi,

Were you able to track down this info?

Thanks, Kara

From: Heidi Parker <hparker@aellab.com>
Sent: Tuesday, February 26, 2019 8:46 AM
To: DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>
Subject: RE: T1902687-SMP-2/13/19

HI Kara

I will find out for you

Heidi Parker, Project Manager
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Website: http://www.aellab.com

From: DEP-Overflowmicro [mailto:DEP-Overflowmicro@dep.state.fl.us]
Sent: Monday, February 25, 2019 2:23 PM
To: Heidi Parker
Subject: RE: T1902687-SMP-2/13/19

What dilutions were run for the fecal sample for T1902687005?

Thanks, Kara

From: Heidi Parker <hparker@aellab.com>
Sent: Wednesday, February 20, 2019 8:52 PM
To: DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>
Subject: T1902687-SMP-2/13/19

Please see attached for your report

Thank You
Heidi

Heidi Parker, Project Manager
Advanced Environmental Laboratories, Inc.
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