From: katie sanderslabs.net
To: Sprague, Kara
Cc: Baker, Abigail L
Subject: Re: Analytical Report: DEP Fecals,2101903,1/25/2021
Date: Thursday, February 11, 2021 10:17:43 AM
Attachments: image001.png

She started 8/17/2020 but was in the field department until 10/15/2020 and trained with Primary supervision until 12/23/2020. Our previous analyst was with us 3 years.

Thanks!
Katie Strothman
Laboratory Director/ QCM
Sanders Laboratories, Inc.
10090 Bavaria Rd
Ft Myers, FL 33913
941-915-7447 C
239-590-0337 O
Monday - Thursday : 8:30 am - 4:00 pm
Friday: 8:30 am - 1:00 pm
Saturday / Sunday: By appointment only
Closed Holidays

COVID-19 update: In order to do our part to reduce the spread we will have Bay/Suite 2 open and main office will be closed. Please leave your samples in the black fridge and COC in the bin on the cart. Make a copy of the COC for your records at your facility, get copies from client portal, or take picture with your phone we will not be making on site until the CDC space guidelines are removed. Call 239-590-0337 if you need one of our team to assist you with a mask. Call kit pickups in ahead and we will put your bottles in Bay 2 on the cart. Staff will remain at least 6 feet apart at all times in order to do our part to reduce the spread and protect you and your staff. Thank you for helping us meet CDC guidelines. As always our hearts with all of you.

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From: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Sent: Thursday, February 11, 2021 10:14 AM
To: katie sanderslabs.net <katie@sanderslabs.net>
Cc: Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: RE: Analytical Report: DEP Fecals,2101903,1/25/2021

I do now recall you all having to use a DF of 1 if more than one plate was used in the result calculation.

When did the new analyst start? It does look like the more recent reports must have only been using a single plate for the calculation as the DF's are not 1.

Thank you,

Kara

From: katie sanderslabs.net <katie@sanderslabs.net>
Sent: Wednesday, February 10, 2021 10:08 AM
To: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Cc: Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: Re: Analytical Report: DEP Fecals,2101903,1/25/2021

We have always done it the same. Most of what you do now has been Entero and Ecoli which would use marine DF of 10 and computer would generate. ND DF would change as well because then it changes MDL automatically.
Like 1903343 1808180 was actually calculated with 3 plates there were more those just ones I opened up first in search. if it was 2 same thing etc. Hope that helps

Thanks!

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From: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Sent: Wednesday, February 10, 2021 9:54 AM
To: katie sanderslabs.net <katie@sanderslabs.net>
Cc: Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: RE: Analytical Report: DEP Fecals,2101903,1/25/2021

Okay. Thank you for the responses. Let's just keep the fecal reporting as is. I don't want to make you guys have to do an extra step in report preparation and I don't want to introduce the potential for additional revisions.

How had you been calculating fecals before the new analyst was brought on board? All the more recent reports have the MDL and dilution factors matching.

Thank you,

Kara

From: katie sanderslabs.net <katie@sanderslabs.net>
Sent: Tuesday, February 9, 2021 3:51 PM
To: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Cc: Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: Re: Analytical Report: DEP Fecals,2101903,1/25/2021

No because the MDL is whole number and if system has 1.6 MDL 2 then it will be ND so we change it to be 2 B.

I cannot have my lims only for you change to whole numbers it would change all micro and some of my clients want the decimal for some reason their EVR DEP rep has them report weird numbers I don't know why. It is not the same throughout state. Our auditor has accepted and said it was fine on last audit 2020 since it is what our SOP says we will do and she said most labs are going that direction when I asked her what people were doing these days.

For me to do this it would be manual change on each report. I wish I could say I could remember on just your reports. I can make autonote but they are small they dont really alert you. But with volume of reporting I do I would probably let quite a bit get through. I would change it anytime it slipped past me (if you email requested) and revise it. I do have keep log for all revisions but it isn't a ton extra work if you wish to go this direction.

DF cannot be changed. It is not same as MDL. MDL reflects your volume calculations. DF are when system multiples by that factor **automatically** if I was to change that to a 2 it take what she calculated and times it by 2 which is not what you want since this was combined plate calculation.

Let me know how you wish to proceed Thanks
Katie Strothman
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From: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Sent: Tuesday, February 9, 2021 3:24 PM
To: katie sanderslabs.net <katie@sanderslabs.net>
Cc: Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: RE: Analytical Report: DEP Fecals,2101903,1/25/2021

Oh, okay. I see what you mean when you say 'except <2 to show detect' since the final result for 2101903-001B was rounded, but wouldn't the absence of a 'U' qualifier do the same thing? Does it have something to do with your LIMS? You're right about there not being any clear guidance in the method about reporting to the whole number. For that reason, we decided not to include it in the Scope of Work. The method does talk about how reporting CFU's is more precise than MPN results. But, they go on to say different circumstances can affect precision and there is a range of confidence you put in the colony count. We would prefer it be reported as a whole number but I also don't want to make extra work for you. If you did, would it be a change you make to the final report or are you able to request that change from your LIMS?

Also, can you still update the dilution factors? They are all set at 1 in the revision.

Thanks Katie,

Kara

From: katie sanderslabs.net <katie@sanderslabs.net>
Sent: Monday, February 8, 2021 10:09 AM
To: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Cc: Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: Re: Analytical Report: DEP Fecals,2101903,1/25/2021

2101903-001B	G1SD0067	SAMP	FC FM	Coliform, Fecal	1/25/21 4:39 PM	1.6	16:59	1	50,10,1	A				0	1	0
2101903-002C		SAMP	FC FM	Coliform, Fecal	1/25/21 4:39 PM	37.7	16:59	1	50,10,1	A				19	4	0
2101903-003C		SAMP	FC FM	Coliform, Fecal	1/25/21 4:39 PM	6.6	16:59	1	50,10,1	A				3	1	0
2101903-004B	G1SD0112	SAMP	FC FM	Coliform, Fecal	1/25/21 4:39 PM	29.5	16:59	1	100	A				15	3	0

1+0+0=1*100/61=1.61=2B
19+4=23*100/61=37.7
3+1+0=4*100/61=6.6
15+3+0=18*100/61=29.5

All need B If you wish for me round I can. We used to but with micro reporting in decimals on mixed methods we started to use 3 sig figs except <2 to show detect. I did not notice preference in guidance. It is hard replicate adding plates without bench so I can see why it was hard. If you want full bench I can send over but pasted the values for you see.

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From: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Sent: Monday, February 8, 2021 9:52 AM
To: katie sanderslabs.net <katie@sanderslabs.net>

Cc: Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: RE: Analytical Report: DEP Fecals,2101903,1/25/2021

Okay. Thanks Katie.

Don't you guys normally run a 50, 10, and 1mL dilution series? I'm having trouble replicating the calculation for G1SD0110. Was the 50mL dilution for this one TNTC? A benchsheet may be helpful for this one.

Also, shouldn't the fecal result be rounded to the closest whole number? And, it looks like all the dilution factors for the revised fecals where changed to 1. They should follow the formula DF=100/(volume filtered).

Thank you,

Kara

From: katie sanderslabs.net <katie@sanderslabs.net>
Sent: Friday, February 5, 2021 3:16 PM
To: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Subject: Re: Analytical Report: DEP Fecals,2101903,1/25/2021

It was calculated wrong. I have new tech and she took highest value dilution instead 3 plates added together (all plates were <20) so she is fixing and I will send revision Monday. Since I just validated the Entero at 1/10 I must have not registered it wasn't 1/10 coming off looking at marines and validated though it was fecal and needed calculated. Just a spacey thing on my end. Thanks
Apologize for inconvenience

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From: katie sanderslabs.net <katie@sanderslabs.net>
Sent: Friday, February 5, 2021 2:03 PM
To: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Subject: Re: Analytical Report: DEP Fecals,2101903,1/25/2021

Yes I will bench up Monday. Thanks!

Katie Strothman
Laboratory Director/ QCM
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From: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>
Sent: Friday, February 5, 2021 2:02 PM
To: katie sanderslabs.net <katie@sanderslabs.net>; DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>; jeff sanderslabs.net <jeff@sanderslabs.net>
Cc: Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: RE: Analytical Report: DEP Fecals,2101903,1/25/2021

Hi Katie,

Can you also confirm the dilution volumes that were run?

Thanks,

Kara

From: katie sanderslabs.net <katie@sanderslabs.net>
Sent: Friday, February 5, 2021 2:00 PM
To: DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>; jeff sanderslabs.net <jeff@sanderslabs.net>
Cc: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>; Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: Re: Analytical Report: DEP Fecals,2101903,1/25/2021

We will look into it Monday and send revision, at first glance it needs B's. Thanks

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From: DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>
Sent: Friday, February 5, 2021 1:38 PM
To: katie sanderslabs.net <katie@sanderslabs.net>; jeff sanderslabs.net <jeff@sanderslabs.net>
Cc: Sprague, Kara <Kara.Sprague@FloridaDEP.gov>; Baker, Abigail L <Abigail.L.Baker@FloridaDEP.gov>
Subject: FW: Analytical Report: DEP Fecals,2101903,1/25/2021

Good afternoon,

Could you please take another look at the fecal results here? They seem to be missing a B qualifier.

Thank you,

Abigail L. Baker
Environmental Specialist I
Division of Environmental Assessment and Restoration
FDEP Laboratory – Biology
2600 Blair Stone Road
Tallahassee, Florida 32399-24000
Abigail.L.Baker@FloridaDEP.gov

-----Original Message-----
From: Sanders Laboratories <reporting@sanderslabs.net>
Sent: Thursday, February 4, 2021 1:23 PM
To: DEP-Overflowmicro <DEP-Overflowmicro@dep.state.fl.us>
Subject: Analytical Report: DEP Fecals,2101903,1/25/2021

Please note this a NO reply outgoing emailer only. If you have questions in response to this email. Send your email to Katie@sanderslabs.net or Jeff@sanderslabs.net.

Your sample(s) has (have) been tested in accordance with NELAP requirements unless stated otherwise.

Your report has been emailed by electronic format. A hard copy of the report can be obtained by contacting our office for a fee of $25 per initial report.

Best Regards,

Katie Strothman
Laboratory Director
katie@sanderslabs.net
10090 Bavaria Rd.
Fort Myers, FL 33913
www.sanderslabs.net

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