

From: Gross, Lynden
Sent: Friday, May 27, 2022 3:06 PM
To: Garver, Kyle; Hawley, Laura; Richard, Jon **Provided in non-excel format**
Subject: RE: Fishy stuff
Attachments: LTN-22-61_Results spreadsheet.xlsx; LTN-22-61_31-50B_Pan-PRV qPCR results_May 26_2022.xls

Hi Kyle,

You're welcome. I'm glad this info helps with how to best proceed.

The formal LTN-22-61 results spreadsheet is attached along with the exported results from my most recent run (samples 31-50).

The results spreadsheet has two worksheets:

"Inoculum and effluent data" – Shows the viral load of the injection inoculums and immersion exposures (copies/mL).

"Fish data" – Shows Ct value results for all fish blood samples.

I wanted to get the results to you ASAP so I didn't calculate copies/mL for the blood samples yet. Please let me know if you would like the load calculated for the fish blood.

Cheers,

-Lynden

From: Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>
Sent: Thursday, May 26, 2022 8:14 PM
To: Gross, Lynden <Lynden.Gross@dfo-mpo.gc.ca>; Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>
Subject: RE: Fishy stuff

Thanks Lynden!

Fascinating result and definitely confirms that we won't be doing the large in vivo challenge.

-Kyle

From: Gross, Lynden <Lynden.Gross@dfo-mpo.gc.ca>
Sent: Thursday, May 26, 2022 6:09 PM
To: Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>; Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>
Subject: RE: Fishy stuff

Hi All,

Results are in for the effluent immersed fish.

Tank C302 - 50:50 diluted: 4/10 PRV pos

Tank C301 – Undiluted: 5/10 PRV pos, 3/10 inconclusive

I still need to sort the results and populate the spreadsheet but wanted to give you a quick update.
A formal results sheet will be sent tomorrow.

Cheers,

-Lynden

From: Gross, Lynden
Sent: Thursday, May 19, 2022 5:33 PM
To: Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>; Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>
Subject: RE: Fishy stuff

Hi Laura,

I will add that data and copy number calculation to the excel file so it can be applied to all results, I hope you don't mind if it waits until Tuesday morning because I was just about to leave after taking care of the fish.

-Lynden

From: Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>
Sent: Thursday, May 19, 2022 4:52 PM
To: Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>; Gross, Lynden <Lynden.Gross@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>
Subject: RE: Fishy stuff

Hey Lynden,

I don't want to mess up your nicely formatted results sheet but can you add the challenge Cts and concentrations in as well.

Here they are here:

	Ct	Mean copies/mL (Julie's standard)
Blood water inoc	22.46	1.20E+07
Treated effluent inoc	30.96	4.91E+04
tank 1 undil T=0	27.07	6.08E+05
tank 1 undil T=2	27.64	4.19E+05
tank 2 50:50 T=0	26.99	6.39E+05
tank 2 50:50 T=2	27.68	4.08E+05

Agree, immersion results could be interesting!

Happy long weekend all,

Laura

From: Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>
Sent: Thursday, May 19, 2022 4:25 PM
To: Gross, Lynden <Lynden.Gross@dfo-mpo.gc.ca>; Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>
Subject: RE: Fishy stuff

Lynden,

Thank you for the results. Very interesting and somewhat disappointing to see that additional modifications to the effluence treatment process are likely required. I'm really curious to see what the immersion treatment indicates.

Have a good holiday weekend,

Kyle

From: Gross, Lynden <Lynden.Gross@dfo-mpo.gc.ca>

Sent: Thursday, May 19, 2022 4:13 PM

To: Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>; Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>

Subject: RE: Fishy stuff

Hi All,

PRV was detected in all 10 blood water injected fish and 4/10 effluent injected fish. I attached the results spreadsheet with Ct data and the StepOne file.

The assay Ext neg, cDNA neg, and NTC were all negative. The standard curve efficiency was 81.59%, R-squared 0.992.

Cheers,

-Lynden

From: Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>

Sent: Wednesday, May 18, 2022 3:08 PM

To: Gross, Lynden <Lynden.Gross@dfo-mpo.gc.ca>; Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>

Subject: RE: Fishy stuff

Thanks Lynden. Trizol definitely seems like the better way to go until we can figure out the KFF system for blood. Looking forward to learning what you find.

-Kyle

From: Gross, Lynden <Lynden.Gross@dfo-mpo.gc.ca>

Sent: Tuesday, May 17, 2022 3:07 PM

To: Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>; Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>

Subject: RE: Fishy stuff

Ps I plan to have PRV screening results in by Thursday afternoon.

-Lynden

From: Gross, Lynden

Sent: Tuesday, May 17, 2022 3:04 PM

To: Hawley, Laura <Laura.Hawley@dfo-mpo.gc.ca>; Garver, Kyle <Kyle.Garver@dfo-mpo.gc.ca>; Richard, Jon <Jon.Richard@dfo-mpo.gc.ca>