



Robert Janz

2004-11-15 06:05 PM

To: Jacques Cloutier/HC-SC/GC/CA@HWC

cc: Franca Beraldin/HC-SC/GC/CA@HWC, Hanan Wakfie/HC-SC/GC/CA@HWC, Richard Laing/HC-SC/GC/CA@HWC, Ron Armstrong/HC-SC/GC/CA@HWC, Yolande Larose/HC-SC/GC/CA@HWC

Subject: Re: DAS Confirmatory testing

Looking at the data provided by Yolande and grouping where possible, I note the following:

| | <u>Winnipeg</u> | <u>Toronto</u> | |
|-------------------|-----------------|----------------|-------|
| PPS4-6 (n=6) | 11.90 ± 0.53 | 11.63 ± 1.29 | 16.23 |
| PPS7-9 (n=7) | 13.19 ± 0.63 | 13.66 ± 1.58 | |
| PPS10-12 (n=6) | 10.21 ± 0.30 | 10.35 ± 0.53 | |
| * PPS13-17 (n=10) | 6.33 ± 0.54 | 5.90 ± 0.45 | 6.68 |
| PPS18-21 (n=8) | 8.72 ± 0.32 | 7.33 ± 0.58 | 10.64 |
| PPS26-9 (n=8) | 11.78 ± 0.54 | 11.96 ± 1.09 | 12.07 |
| * PPS38-43 (n=12) | 6.44 ± 0.65 | 6.34 ± 0.57 | 6.68 |

1.) When comparing large groupings, Toronto and Winnipeg produce the same results, statistically, with the exception of PPS18-21.

2.) When comparing the DAS results for these large groupings, for 4 of the 6, the results of DAS labs match those of

Since results were obtained with an I think that this should remove any nagging doubts we might have about the reproducibility and accuracy of our GC Quant method.

Robert

Yolande Larose



Yolande Larose

11/15/2004 02:10 PM

To: Ron Armstrong/HC-SC/GC/CA@HWC, Franca

Beraldin/HC-SC/GC/CA@HWC, Richard Laing/HC-SC/GC/CA@HWC, Hanan Wakfie/HC-SC/GC/CA@HWC, Robert Janz/HC-SC/GC/CA@HWC

cc: Jacques Cloutier/HC-SC/GC/CA@HWC, Nathalie Campeau/HC-SC/GC/CA@HWC

Subject: DAS Confirmatory testing

Bonjour à toutes et tous,

Jacques has asked me to send everyone the Confirmatory Testing results Table of samples tested by DAS laboratories and last May. In the spreadsheet appended, the data from the 3 labs are reported with comments and the sample numbering codes used. These are:

- DAS Exhibit numbers - correspond to Dave Kitchen nomenclature, and
- PPS Lot numbers - correspond to PPS cannabis breeding line (e.g., MS17/338) with the harvest number (e.g., H50)

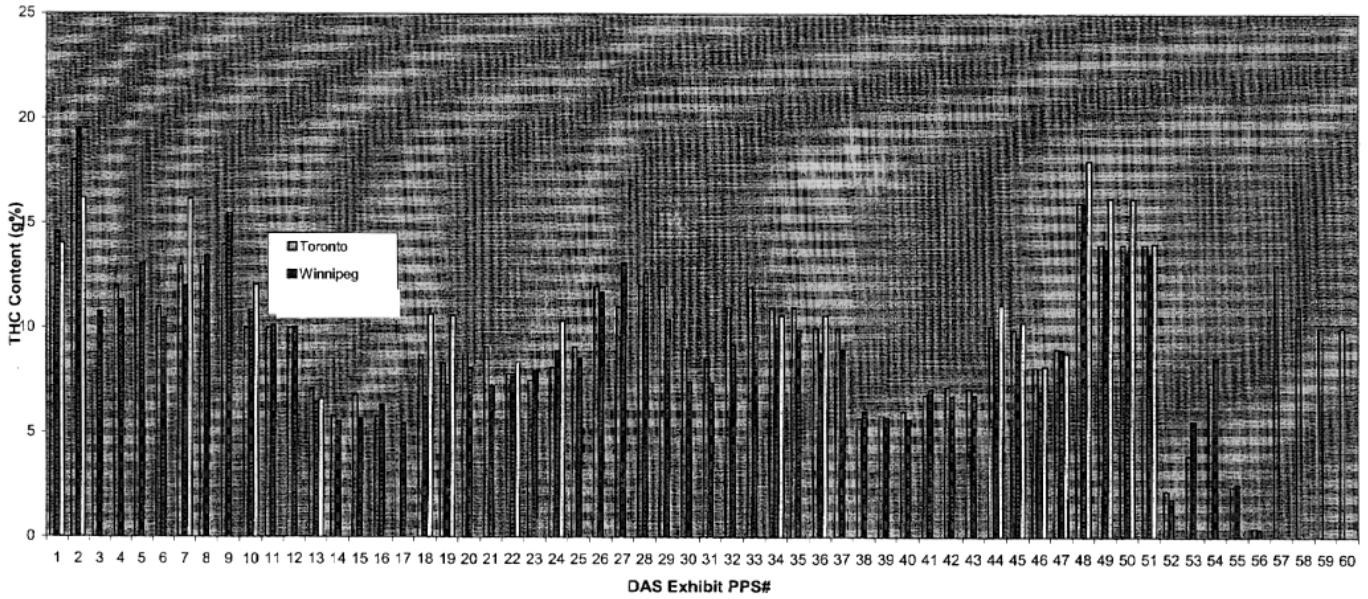
There is also a section with comments to help differentiate further the type of samples tested. The T-10 blend samples correspond to the PPS product distributed from August 2003 to early May 2004.



DAS_confirmtesting_final15nov04

DAS Confirmatory Testing of PPS Cannabis Samples (May 2004)

Mean THC content results from Toronto, Winnipeg and



MEAN THC CONTENT (g %) IN PPS SAMPLES
Test period May 2004 (Duplicate sample trials provided in brackets)

| DAS Exhibit # | PPS Lot Number | Comments | initial THC (g%)+(test date) | Toronto (g%) | Winnipeg (g%) | (g%) |
|--------------------|--------------------|---|---------------------------------|------------------|------------------|---------------------|
| PPS1 ^a | MS38/007 - H50 | FB bulk frozen - Jan/04 | | (12.8/13.7) | 13 | (14.67/14.54) 14.61 |
| PPS2 | MS17/388 - H44 | finer at bottom of storage bag | | (18.1/18.7) | 18 | (18.73/20.26) 19.5 |
| PPS3 | MS17/388 - H44 | coarse material in same bag (linked to PPS2) | | (7.73/8.10) | 7.9 | (10.78/10.78) 10.78 |
| PPS4 | MS17/388 - H44 | Homogeneous mix (linked to PPS2 + PPS3) | | (12.9/11.9) | 12 | (11.43/11.20) 11.32 |
| PPS5 | MS17/388 - H44 | Homogeneous mix (linked to PPS2 + PPS3) | | (11.9/11.8) | 12 | (11.97/14.22) 13.1 |
| PPS6 | MS17/388 - H44 | Homogeneous mix (linked to PPS2 + PPS3) | | (11.8/11.1) | 11 | (10.09/10.85) 10.47 |
| PPS7 | MS38/007 - H44 | FB bulk frozen - Nov/03 | | (12.9/12.7) | 13 | (11.77/12.27) 12.02 |
| PPS8 | MS38/007 - H44 | FB bulk frozen - Nov/03 | | (12.5/12.8) | 13 | (13.76/13.18) 13.47 |
| PPS9 | MS38/007 - H44 | FB bulk frozen - Nov/03 | | (14.5/13.4/13.5) | 14 | (16.6/14.37) 15.49 |
| PPS10 | MS17/338 - H22 | FB bulk frozen - Dec/02 | 14.3 | (9.86/10.3) | 10 | (10.88/10.88) 10.88 |
| PPS11 | MS17/338 - H22 | FB bulk frozen - Dec/02 | | (9.81/10.3) | 10 | (10.27/10.00) 10.14 |
| PPS12 | MS17/338 - H22 | FB bulk frozen - Dec/02 | | (10.3/10.7) | 10 | (9.41/10.67) 10.04 |
| PPS13 | T-10 Blend | End user package-30g size | 10 (May/03) | (7.02/7.15) | 7.1 | (6.34/6.6) 6.47 |
| PPS14 | T-10 Blend | End user package-10g size | | (5.93/5.60) | 5.8 | (5.38/5.72) 5.55 |
| PPS15 | T-10 Blend | End user package-30g size | | (6.19/6.35) | 6.8 | (5.93/5.42) 5.68 |
| PPS16 | T-10 Blend | End user package-30g size | | (6.04/5.58) | 5.8 | (6.32/6.36) 6.34 |
| PPS17 | T-10 Blend | End user package-30g size | | (8.97/8.44) | 8.8 | (5.59/5.36) 5.48 |
| PPS18 | MS17/338 - H52 | FB - Res. prop. #1 | 11(4d) / 12.1(2d) (Feb/04) | (8.81/8.67) | 8.7 | (6.28/7.08) 6.68 |
| PPS19 | MS17/338 - H52 | FB - Res. prop. #1 | | (8.23/8.36) | 8.3 | (7.25/7.31) 7.28 |
| PPS20 | MS17/338 - H52 | FB - Res. Prop. #1 | | (9.0/8.47) | 8.7 | (7.78/8.45) 8.12 |
| PPS21 | MS17/338 - H52 | FB - Res. Prop. #1 | | (9.14/9.06) | 9.1 | (7.13/7.36) 7.25 |
| PPS22 | MS17/338 - H28 | FB bulk frozen - Apr/03 | 13 (Dec/03) | (7.87/7.74) | 7.8 | (7.88/7.71) 7.79 |
| PPS23 | MS17/338 - H28 | FB bulk frozen - Apr/03 | | (7.57/7.54) | 7.5 | (7.59/8.31) 7.95 |
| PPS24 | MS17/338 - H34 | FB bulk frozen - Jul/03 | 12.6 (Aug/03) | (7.5/8.81) | 8.1 | (8.90/8.90) 8.9 |
| PPS25 | MS17/338 - H34 | FB bulk frozen - Jul/03 | | (8.88/9.33) | 9.1 | (8.72/8.36) 8.54 |
| PPS26 ^b | MS17/338 - H22 | FB new lot distributed (1 x 30g pouches) | | (12.1/12.1) | 12 | (11.64/11.80) 11.72 |
| PPS27 | MS17/338 - H22 | FB new lot distributed (1 x 30g pouches) | | (10.7/11.1) | 11 | (13.61/12.55) 13.08 |
| PPS28 ^c | MS17/338 - H22 | FB bulk frozen - Res. Prop.#3 (Dec/02) 15M | 14.3 | (12.2/11.9) | 12 | (12.19/13.10) 12.64 |
| PPS29 | MS17/338 - H22 | FB bulk frozen - Res. Prop.#3 (Dec/02) 15M | | (11.8/12.3) | 12 | (10.15/10.67) 10.41 |
| PPS30 | MS17/338 - H28 | FB bulk frozen - Res. Prop. #3 (Apr/03) 12M | 12.95 | (9.21/8.71) | 9 | (7.54/7.30) 7.42 |
| PPS31 | MS17/338 - H28 | FB bulk frozen - Res. Prop. #3 (Apr/03) 12M | | (8.50/8.50) | 8.5 | (7.11/7.68) 7.4 |
| PPS32 | MS17/338 - H34 | FB bulk frozen - Res. Prop. #3 (Jul/03) 9M | 12.61 | (11.3/11.4) | 11 | (9.5/8.89) 9.2 |
| PPS33 | MS17/338 - H34 | FB bulk frozen - Res. Prop. #3 (Jul/03) 9M | | (12.0/12.3) | 12 | (9.24/10.03) 9.64 |
| PPS34 | MS17/338 - H42 | FB bulk frozen - Res. prop. #3 (Oct/03) 6M | 15.2 (Dec/03) | (11.4/11.3) | 11 | (10.15/9.89) 10.02 |
| PPS35 | MS17/338 - H42 | FB bulk frozen - Res. prop. #3 (Oct/03) 6M | | (11.1/10.9) | 11 | (10.43/9.39) 9.91 |
| PPS36 | MS17/338 - H52 | FB bulk frozen - RES. prop. #3 (Feb/04) 3M | | (10.3/10.3) | 10 | (8.64/9.01) 8.82 |
| PPS37 | MS17/338 - H52 | FB bulk frozen - RES. prop. #3 (Feb/04) 3M | | (10.5/10.5) | 10 | (9.23/8.73) 8.98 |
| PPS38 | MS17/338 - H22 T10 | End user packages 30g size | | (5.69/5.72) | 5.7 | (5.96/6.13) 6.04 |
| PPS39 | MS17/338 - H22 T10 | End user packages 30g size | | (5.73/5.93) | 5.8 | (5.82/5.63) 5.72 |
| PPS40 | MS17/338 - H22 T10 | End user packages 30g size | | (5.98/5.97) | 6 | (5.54/5.74) 5.64 |
| PPS41 | MS17/338 - H22 T10 | End user packages 30g size | | (6.38/7.29) | 6.8 | (7.30/6.85) 7.08 |
| PPS42 | MS17/338 - H22 T10 | End user packages 30g size | | (7.15/7.25) | 7.2 | (6.69/6.8) 6.75 |
| PPS43 | MS17/338 - H22 T10 | End user packages 30g size | | (7.04/7.15) | 7.1 | (6.91/6.68) 6.79 |
| PPS44 | MS17/338 - H43 | FB bulk frozen (not previously tested) Nov/03 | | (10.1/10.1) | 10.1 | (9.69/9.28) 9.48 |
| PPS45 | MS17/338 - H46 | FB bulk frozen (not previously tested) Dec/03 | | (9.85/9.94) | 9.9 | (9.66/9.39) 9.52 |
| PPS46 | MS17/338 - H49 | FB bulk frozen (not previously tested) Dec/03 | | (8.26/7.87) | 8.1 | (7.00/6.92) 6.96 |
| PPS47 | MS17/338 - H50 | FB bulk frozen (not previously tested) Jan/04 | | (8.61/9.29) | 9 | (8.72/9.15) 8.94 |
| PPS48 | MS17/388 - H42 | FB bulk frozen - Oct/03 | 15.21 | (15.5/15.8) | 16 | (16.06/15.81) 15.93 |
| PPS49 | MS17/388 - H44 | FB bulk frozen (not previously tested) Nov/03 | | (14.2/14.1) | 14 | (13.74/13.85) 13.79 |
| PPS50 | MS38/007 - H44 | FB bulk frozen (not previously tested) Nov/03 | | (14.2/14.3) | 14 | (13.25/13.91) 13.58 |
| PPS51 | MS38/007 - H50 | FB bulk frozen (not previously tested) Jan/04 | | (14.514.5) | 14 | (13.58/13.48) 13.53 |
| PPS52 | MS17/338 - H34 | T 2.5 - McGill blends - Jun/04 | | (2.42/2.00) | 2.2 | (1.82/1.87) 1.84 |
| PPS53 | MS17/338 - H34 | T 6.0 - McGill blends - Jun/04 | | (3.91/3.86) | 3.9 | (5.51/5.62) 5.56 |
| PPS54 | MS17/338 - H34 | T 9.5 - McGill blends - Jun/04 | | (7.03/7.69) | 7.4 | (8.50/8.55) 8.52 |
| PPS55 | MS17/338 - H34 | Leaf - McGill T6 + T2.5 blend - Jun/04 | | (2.46/2.31) | 2.4 | (2.63/2.46) 2.55 |
| PPS56 | MS17/338 - H34 | Twig - McGill T6 + T2.5 blend - Jun/04 | | (0.432/0.411) | 0.42 | (0.38/0.35) 0.37 |
| PPS57 | MS17/338 - H23 B | Sample received Jun10/04 | | (13.6/12.9) | 13 | |
| PPS58 | MS17/338 - H23 A | Sample received Jun10/04 | | (11.0/11.5) | 11 | |
| PPS59 | MS17/338 - H40 B | Sample received Jun10/04 | | (10.5/10.3) | 10 | |
| PPS60 | MS17/338 - H40 A | Sample received Jun10/04 | | (10.5/10.5) | 10 | |

^a PPS1-PPS25 taken by DK from Flin Flon

^b PPS26-PPS27 and PPS52-PPS60 sent from PPS

^c PPS28-PPS51 sent from

s.20(1)(b)
s.20(1)(c)

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s.20(1)(b)
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