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Descripton Notes	Handwritten notes and calculations by Alvin L. Yo	ung.

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DETERMINATIONS OF 2,3,7,8-TCDD IN HUMAN ADAPOSE TISSUE

	total # 2 sangle	16. 3 sample above setestion limit	Ronge	mean ± s.p.
			(394)	
Canada	23.	22	41-130	10.7 ± 5.4 +
Veteração Admini	statin 33	25	3 - (81)	フィーゼケック
810psy a. Volunteers.	served 21	B. 14	3-13,29,81	8.3 ± 6.9, N.S.
Bio954 .		1010139	3-14	5.7 ± 3.1
EPA	20	8 (Adults) 29 6	\$5-12}	~ 10 per
	6		# 282 ND # 283 ND 284 10 285 19*	
PCB	in agrae 3.5+4	2(N= 23)	Exact Madia	

$$f = \frac{x_1 - x_2}{s_p | t_1 + t_2} = \frac{s_{127} - s_{168}}{s_p | t_1 + t_2} = \frac{s_{127}}{s_{11} + s_{11}} = \frac{s_{127}}{s_{11} + s_{12}} = \frac{s_{117}}{s_{11} + s_{12}} = \frac{s_{117}}{s_{11}$$

$$= \frac{(12 \times 4711) + (10 \times 914)}{13+14-2} = \frac{56.2+94}{24}$$

$$= \frac{29.96}{13+14-2}$$

A. Valunteers als served in Vietnam

$$\frac{X_{1k}}{X_{1q}} = \frac{X_{1k}^{2}}{841}$$

$$\frac{X_{1k}}{X_{1}} = \frac{X_{1k}^{2}}{13} = 8.27$$

$$\frac{X_{1k}}{81} = \frac{X_{1k}^{2}}{13} = 8.27$$

$$\frac{X_{1k}}{81} = \frac{X_{1k}^{2}}{13} = 8.27$$

$$\frac{X_{1k}}{13} = \frac{X_{1k}^{2}}{13} = \frac{X_{1k}^{2}}{1$$

B. Volunteers who did not served in Vietnam

$$\frac{4}{3} = \frac{16}{10}$$

$$\frac{1}{3} = \frac{62.5}{1} = \frac{5.68}{1}$$

$$\frac{1}{3} = \frac{62.5}{1} = \frac{62.5}{1} = \frac{5.68}{1}$$

$$\frac{1}{3} = \frac{62.5}{1} = \frac{62.5}{1} = \frac{62.5}{1}$$

$$\frac{1}{3} = \frac{62.5}{1} = \frac{62.5}{1} = \frac{62.5}{1}$$

$$\frac{1}{3} = \frac{62.5}{1} = \frac{62.5}{1}$$

Н.



Rya 1979.1981 Sex

> Sendence Course of Booth (Strote, HD, Cot, Acc) Original Kingston 13

> > PCB

Kingston & 9

ofthwa

12.4 ±5.8 (12) 21.3 ± 33.1(13) 8.654.4(10)

.fr-f TOTAL 10. PCDF 1011 18:6 20 14.0 46 7.2 21.4 1.8 59.3 18.6 16.4 10.4 ... 3. 2. 15.4 4.1.0

(\$8) .

6.

4.4

How much fat in a normal (70 kg man?

FAT 5% = 3.5 kg

if adipose contained 10 ppt

6. 10 pg/kg \$\times 3.5 = 35 ng in a 70 kg

7 man?

572. 100

350,000

رم**٠**٤٥

DETERMINATIONS OF 2,3,7,8-TCDD IN HUMAN ADVPOSE TISSUE

telel & above setestion limit Range mean I S.D (394) 10.7 ± 5.4 23. 41-130 フリギガラ Veterano Administration 33 24 a Volunteers served 13. 6 Valunteer was did not served in without 12 ラ 5、7 ± 3、 & (Adults) ~10 per THALL EPA ND ND TODF _ 28/4 284 10. 19* 285

Exact Marie

PCB in Odyone 3.5+4.2(n=23)

A. Valunteers who served in $\overline{X}_1 = \frac{107.5}{13} = 8.27$ 81 (6861) 15 163 $S_1^2 = \frac{1454(.) - (107.5)^2/13}{13 - 1}$ and the state of t 14545-888,9 9. 91 5, = 6.86 - <u>2</u>5 July at 11 . Wall of 12/ 25 ZXIV=107.5 EXIV=1454.3 B Volunteers who did not served in Vietnam N2= 11 $\overline{X}_2 = \frac{62.5}{11} = 5.4?$ 1. 1. 3.5° (A.3 ... 52 = 449,3 - (645)2/11 6 ... 36 .. 7..... 49...

5 2= 3,07

14. 196

$$\overline{X} = \frac{188.5}{14} = 13.5$$

VA (a) volunteer 21 14 3-81 13.5 ± 20.

served in Vietna...
(b) 12 11 3-14 (7.7 ± 3.1)

13,5 # 205

6215 44913 25/ 8464.6

801513

188.5

-5 = 10.04 5= 8464.6 - 63001

33 25 3-7

EX = 188.5

(Ex)2= 31532.25

EX1 = 801513

$$\frac{1}{5p} = \frac{1159}{1154} = \frac{1159}{212k} = \frac{1159}{212k} = \frac{1159}{1156}$$

$$\frac{1}{5p} = (N_1-1)S_1^2 + (N_2-1)S_2^2 = \frac{1159}{212k}$$

$$\frac{1}{5p} = (N_1-1)S_1^2 + (N_2-1)S_2^2 = \frac{1159}{212k}$$

$$= \frac{(12 \times 47.1) + (10 \times 9.4)}{13+14-2} = \frac{567.2+94}{24}$$

$$\leq p = 5.47$$

$$\frac{1903.6 - (170)^{2}/24}{24 - 1} = 300$$

$$5 = 515$$

290 hospidals

SSN 520-44-1612 BIRLS

DMDC

1969-1981

EPA Huma Adepose Vissue Survey

15,000 1937 - 1952 - males 5-10gms No of sample christ Range mem ± 5:0

M = 25 3-21 10:04 ± 15:7

M = 24 3-29 7:08 ± 5:5

M = 14 3-81 13:5 ± 20.5

M = 17 3-29 8:3 ± 6:9

M = 11 3-14 5:7 NS (P>0:1)

13:5 VS 5:7 NS (P>0:1)

4 Z:- Z1 13:5-5:7 7:8

チ=マーマレ 135-517 7.8 ターマーマレ 15.56 V中十一 7.8 フハベベロン アフのリ

 $\sqrt{p^2 - \frac{(14-1)421.3 + (11-1)9.4}{14+11-2}} = \frac{5570.9}{23} = 242.$

sp = 15,56