BT 9888 A-1016 Matrix No.	[redacted] Total Wet Weight	Total Lipid Weight	Analysis Wet Weight	Analysis Lipid Weight	Tissue Identificati
37	32.89	0.9781	32.89	0.9781	T-I-C-♂-L
38	69.46	5.964	13.892	1.1900	T-I-C-♂-M
39	46.69	39.05	0.9338	0.7810	T-I-C-♂-F
40	41.43	1.3094	41.43	1.3094	T-I-C-♀-L
41	53.92	6.120	10.784	1.2240	T-I-C-♀-M
42	62.48	53.075	1.3496	1.0615	T-I-C-♀-F
43	31.93	1.7500	31.93	1.7500	T-II-C-♂-L
44	17.69	0.0311	17.69	0.0311	T-II-C-♂-M
45	26.12	22.50	1.0448	0.900	T-II-C-♂-F
46	35.98	1.6839	35.98	1.6839	T-II-C-♀-L
47	13.67	0.0156	13.67	0.0156	T-II-C-♀-M
48	27.26	20.85	1.6356	1.2510	T-II-C-♀-F
49	33.29	2.0604	33.29	2.0604	T-III-C-♂-L
50	23.68	2.755	9.472	1.105	T-III-C-♂-M
51	52.00	40.875	1.0400	0.8175	T-III-C-♂-F
52	31.15	1.3684	31.15	1.3684	T-III-C-♀-L
53	5.19	0.0048	5.19	0.0048	T-III-C-♀-M
54	8.77	5.7750	1.754	1.1550	T-III-C-♀-F

DSW 321347

STLCOPCB4072998

BT 9888
A-1221

Matrix No.	Total Wet Weight	Total Lipid Weight	Analysis Wet Weight	Analysis Lipid Weight	Tissue Identificati.
55	40.67	0.900	39.04	0.864	T-I-D-♂-L
56	65.77	6.975	13.154	1.395	T-I-D-♂-M
57	74.80	58.0875	1.4960	1.1618	T-I-D-♂-F
58	39.63	0.7425	38.04	0.7128	T-I-D-♀-L
59	40.86	3.3150	12.258	0.9945	T-I-D-♀-M
60	57.40	47.0375	1.1481	0.9408	T-I-D-♀-F
61	62.94	0.9900	60.42	0.9504	T-II-D-♂-L
62	66.70	5.850	13.34	1.170	T-II-D-♂-M
63	79.64	65.9875	1.5929	1.3198	T-II-D-♂-F
64	32.53	0.7800	31.23	0.7488	T-II-D-♀-L
65	84.36	5.660	16.872	1.132	T-II-D-♀-M
66	52.30	46.3625	1.0461	0.9273	T-II-D-♀-F
67	28.32	0.640	27.19	0.6144	T-III-D-♂-L
68	70.89	3.615	14.178	0.723	T-III-D-♂-M
69	69.68	58.09	1.3936	1.1618	T-III-D-♂-F
70	34.48	0.915	33.10	0.8784	T-III-D-♀-L
71	21.30	0.525	20.89	0.515	T-III-D-♀-M
72	33.01	29.215	0.6602	0.5843	T-III-D-♀-F
Controls					
73	32.39	0.7176	32.39	0.7176	♂-L
74	60.38	3.5700	18.114	1.0710	♂-M
75	67.83	58.75	1.3566	1.1750	♂-F
76	31.30	0.6968	31.30	0.6968	♀-L
77	37.60	4.1117	11.323	1.2382	♀-M
78	32.57	26.55	1.3028	1.0620	♀-F

DSW 321348

IBT 9888

Rat Study

BIK 12/1

73	37
74	38
75	39
76	40
77	41
78	42

BIK 12/2

43	49
44	50
45	51
46	52
47	53
48	54

BIK 12/3

55	61
56	62
57	63
58	64
59	65
60	66

BIK 12/6

67
68
69
70
71
72

DSW 321349

90 day rate
124

1260

	mg	Area
1/2	2.4850	1895
1	7.6475	5518
5	5.4625	5041
3	3.2775	3528

#58	2 µl	5 ml	—	1692	1/3	1.92
#60	2 µl	5 ml	—	1525	1/3	1.75
#61	2.5 µl	5 ml	2:10	3564	1/3	3.88

#58 $\left(\frac{1.92}{2} \times 5\right) - \left(\frac{2.72}{64} \times 2\right)\left(\frac{2}{2} \times \frac{1}{5}\right)$

$4.80 - (.68)(1/10) = 4.80 - (.07) = 4.73$

lipid $\frac{4.73}{.7128} = 6.636$

wet $\frac{4.73}{38.04} = .124$

#60 $\left(\frac{1.75}{2} \times 5\right) - \left(\frac{2.72}{64} \times 2\right)\left(\frac{2}{2} \times \frac{2}{5}\right)$

$4.375 - .068 = 4.307$

lipid $= \frac{4.307}{.9408} = 4.578$

wet $= \frac{4.307}{1.1481} = 3.751$

#61 $\left(\frac{3.88}{2.5} \times 5 \times \frac{10}{2}\right) - \left(\frac{2.72}{64} \times 2\right)\left(\frac{2.5}{64} \times \frac{2}{5}\right)$ 5.125

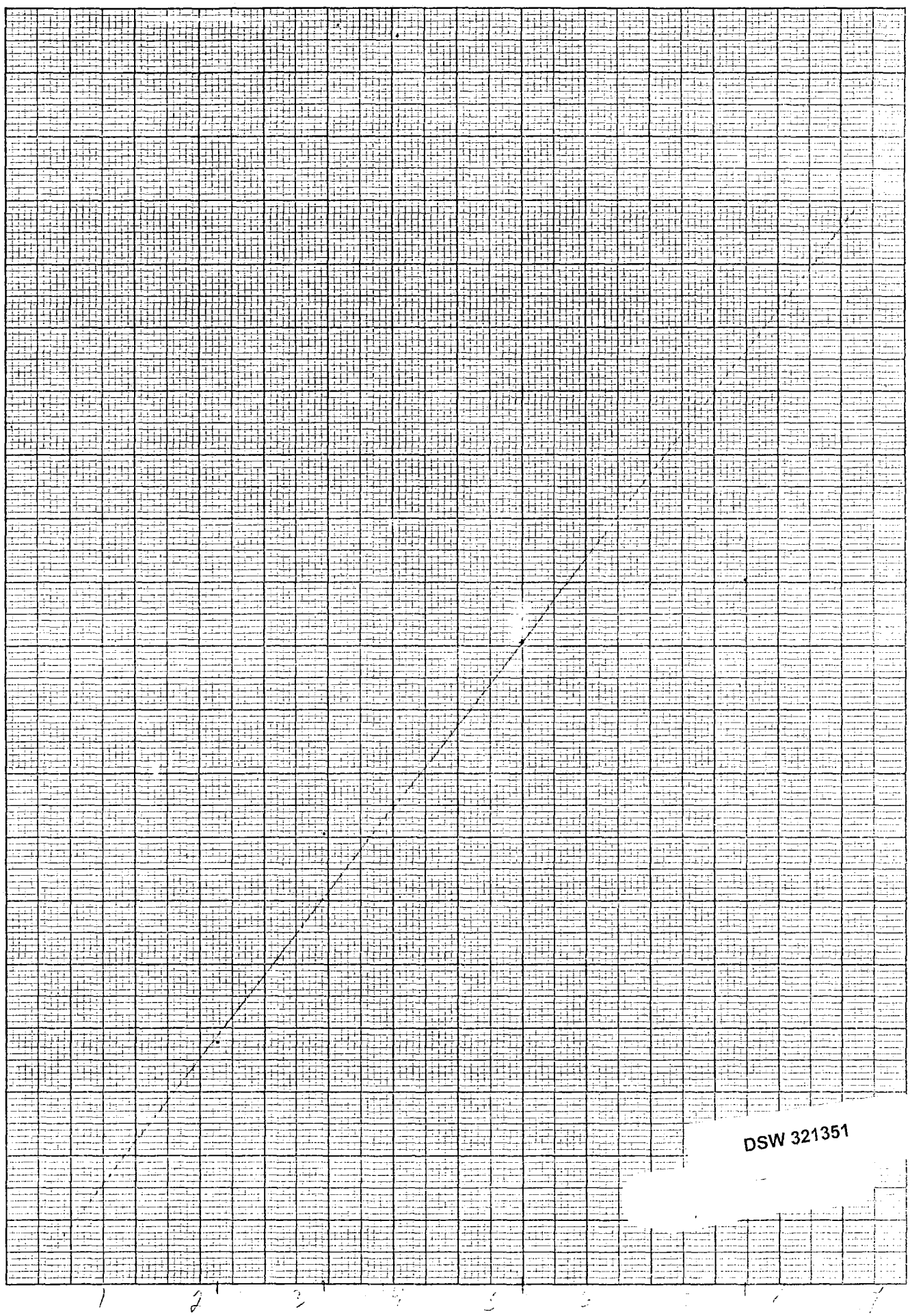
$3.88 - (.68)(.125) = 3.38 - 0.085 = 3.3$

lipid $\frac{3.37}{.9504} = 3.546$

wet $\frac{2.37}{} = .0558$

DSW 321350

STLCOPCB4073001



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 321351

STLCOPCB4073002

1210 12-22-71 90 day rats 1221

µl	mg	Area
2	2,1850	1392
7	7,6475	6030
5	5,4625	5177

#57 4 µl 5 ml — 2103 1/3 2.74

#59 3 µl 5 ml — 2447 1/3 3.13

#57 $\left(\frac{2,74}{4} \times 5\right) - \left(\frac{2,72}{8} \times 2\right)\left(\frac{4}{4} \times \frac{2}{5}\right)$

$.685 \times 5 - (.68)(1/5) = 3,425 - .136 = 3,289$

lipid $= \frac{3,289}{1,1618} = 2,831$

wet $= \frac{3,289}{1,4960} = 2,253$

#59 $\left(\frac{3,13}{3} \times 5\right) - \left(\frac{2,72}{8}, 2\right)\left(\frac{3}{8}, \frac{2}{5}\right)$

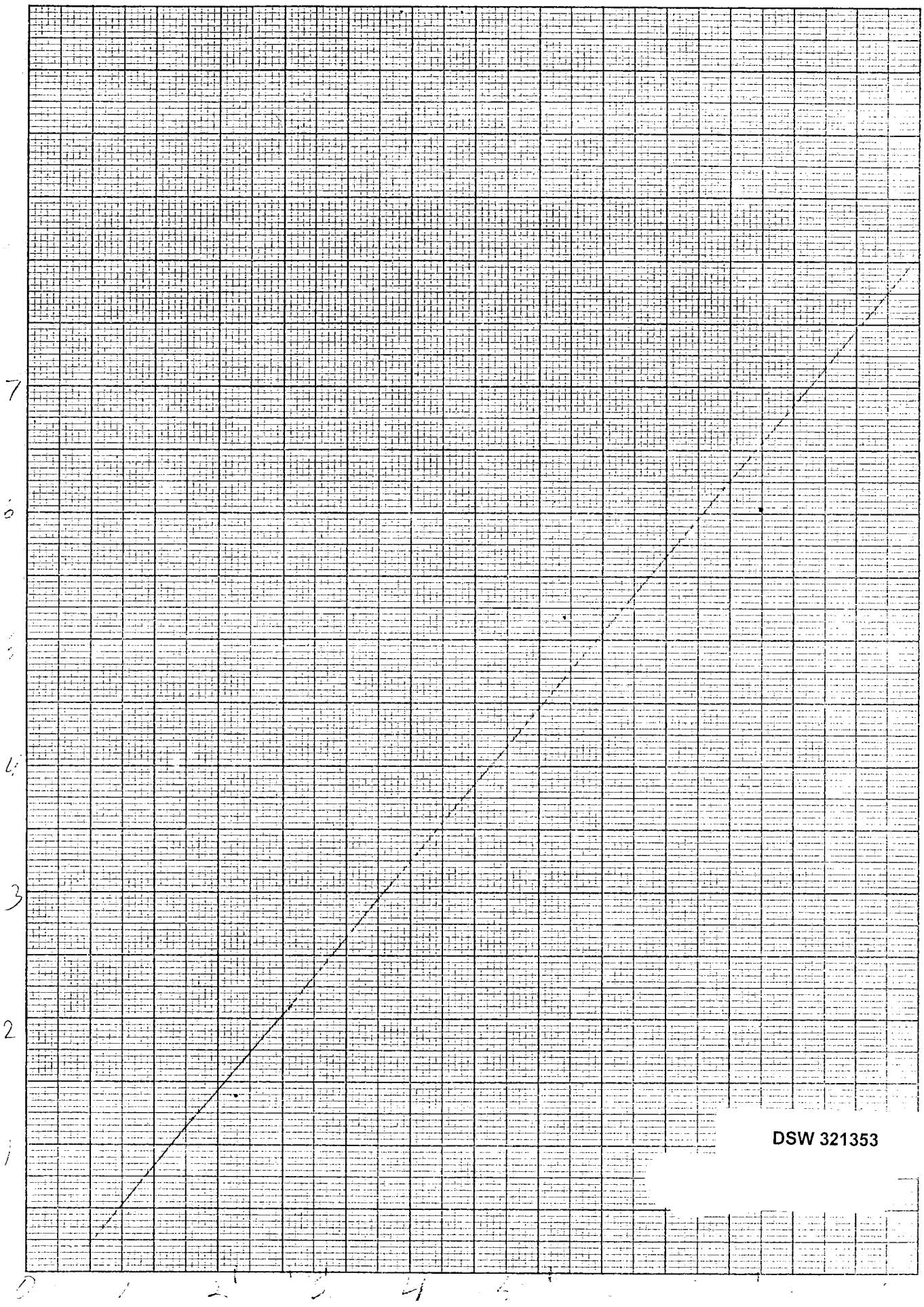
$5,217 - (.68)(3/20) = 5,217 - .102 = 5,115$

lipid $= \frac{5,115}{.9945} = 5,143$

wet $= \frac{5,115}{12,258} = .4173$

DSW 321352

STLCOPCB4073003



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 321353

12-27-71

90 day rate
1021

1260

ul	ng	Area
2	2.1850	4338
8	8.7400	11,812
6	6.555	9584
3	3.2775	5704

#64	5 µl	5 ml	1:10	3554	12/3	1.65
#2/6	8 µl	2 ml	—	1586		.25
#55	7 µl	5 ml	2:10	2122	12/3	.67
#68	2 µl	5 ml	1:10	3817	12/6	1.85
#70	2 µl	5 ml	1:10	4426	12/6	2.28
#72	3 µl	5 ml	1:10	3984	12/6	1.97

DSW 321354

#64

$$\left(\frac{1.65}{5} \times 5 \times \frac{10}{1}\right) - \left(\frac{2.72}{84} \times 2\right)\left(\frac{5}{84} \times \frac{2}{5} \times \frac{1}{10}\right)$$

$16.5 - (.68)(1/40) = 16.5 - 0$

lipid = $\frac{16.5}{.7488}$ = 22.035

wet = $\frac{16.5}{31.23}$ = 0.52.834

#55

$$\left(\frac{.67}{7} \times 5 \times \frac{105}{2}\right) - \left(\frac{2.72}{84} \times 2\right)\left(\frac{7}{8} \times \frac{2}{5} \times \frac{2}{10}\right)$$

$.096 \times 25 - (.68)\left(\frac{7}{100}\right) = 2.40 - .05 = 2.35$

lipid = $\frac{2.35}{.864}$ = 2.720

wet = $\frac{2.35}{39.04}$ = .0602

#68

$$\left(\frac{1.85}{2} \times 5 \times \frac{10}{1}\right) - \left(\frac{.25}{84} \times 2\right)\left(\frac{2}{84} \times \frac{2}{5} \times \frac{1}{10}\right)$$

$1.85 \times 25 - (.0625)\left(\frac{1}{100}\right) = 46.25 - 0$.

lipid = $\frac{46.25}{.723}$ = 63.970

wet = $\frac{46.25}{14.178}$ = 3.262

DSW 321355

#70

$$\left(\frac{2.28}{2} \times 5 \times \frac{10^5}{1}\right) - \left(\frac{.125}{8_4} \times 2\right)\left(\frac{2}{8_2} \times \frac{2}{5} \times \frac{1}{10}\right)$$

$(2.28)(25) - (.0625)\left(\frac{1}{100}\right) = 57.0 - 0.$

lipid $= \frac{57.0}{.8784} = 64.891$

wet $= \frac{57.0}{33.10} = 1.722$

#72

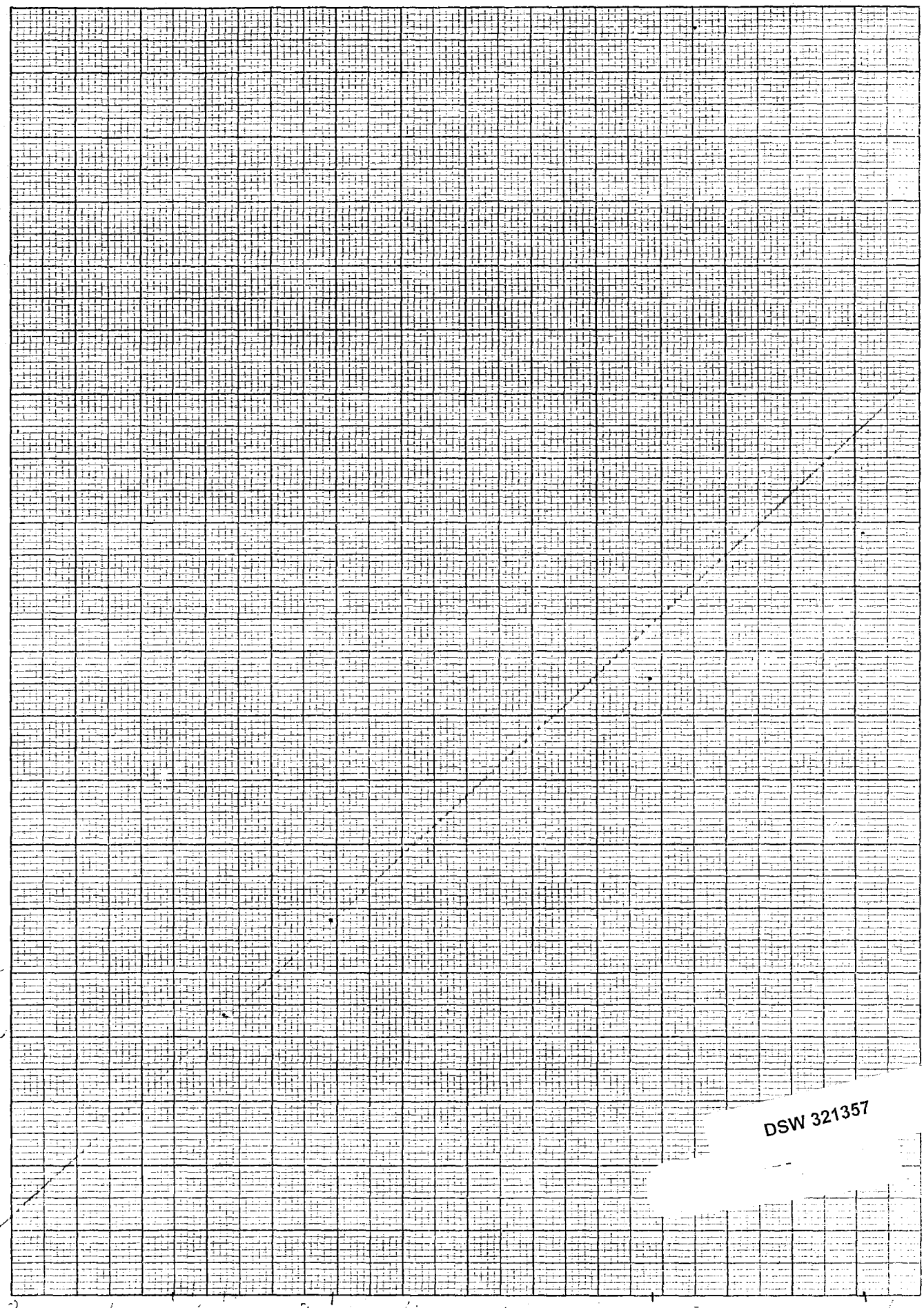
$$\left(\frac{1.97}{3} \times 5 \times \frac{10}{1}\right) - \left(\frac{.125}{8_4} \times 4\right)\left(\frac{3}{8_2} \times \frac{2}{5} \times \frac{1}{10}\right)$$

$.657 \times 50 - (.0625)\left(\frac{4}{200}\right) = 32.85 - 0.$

lipid $= \frac{32.85}{.5843} = 56.221$

wet $= \frac{32.85}{.6602} = 49.758$

DSW 321356



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 321357

12/15/71

MCS 1014

µl	ng	area
2	2.144	1643
3	3.219	2003
4	4.292	2774
5	5.365	3498
6	6.438	3886
7		
8	8.584	4419

						ng
#39	7µl	5ml	1:50	845	12/1	.633
#43	5µl	5ml	1:50, 10:25	1029	12/2	.950
#45	6µl	5ml	1:50, 5:10	965	12/2	.800
#47	7µl	5ml	1:100	1012	12/2	.933
#50	5µl	5ml	1:100, 5:10	1039	12/2	.967
#52	5µl	5ml	1:100, 5:10	1841	12/2	2.57

DSW 321358

STLCOPCB4073009

#39 $\left(\frac{.633}{7} \times \frac{5}{1} \times \frac{50}{1}\right) - \left(\frac{2.13}{8/4} \times \frac{2}{1}\right)\left(\frac{7}{8/4} \times \frac{2}{5} \times \frac{1}{50}\right)$

$.0904 \times 250 - (.5325)\left(\frac{7}{1000}\right) = 22.6 - 0.$

lipid $= \frac{22.6}{0.7810} = 28.937$

wet $= \frac{22.6}{0.9338} = 24.202$

#43 $\left(\frac{.950}{5} \times \frac{5}{1} \times \frac{50}{1} \times \frac{25}{10}\right) - \left(\frac{.85}{8/4} \times \frac{2}{1}\right)\left(\frac{5}{8/2} \times \frac{2}{5} \times \frac{1}{50} \times \frac{10}{25/5}\right)$

$.950 \times 25 - .2125 \times \frac{1}{500} = 118.75 - 0 = 118.75$

lipid $= \frac{118.75}{1.75\,00} = 67.857$

wet $= \frac{118.75}{31.93} = 3.719$

#45 $\left(\frac{.800}{63} \times \frac{5}{1} \times \frac{50}{1} \times \frac{10}{5}\right) - \left(\frac{.85}{8/4} \times \frac{2}{1}\right)\left(\frac{63}{8/2} \times \frac{2}{5} \times \frac{1}{50} \times \frac{5}{10}\right)$

$.2667 \times 25 - (.2125)\left(\frac{3}{1000}\right) = 6.668 - 0 = 6.668$

lipid $= \frac{6.668}{.900} = 7.409$

wet $= \frac{6.668}{1.0448} = 6.382$

#47 $\left(\frac{.933}{7} \times \frac{5}{1} \times \frac{100}{1}\right) - \left(\frac{.85}{8/4} \times \frac{2}{1}\right)\left(\frac{7}{8/4} \times \frac{2}{5} \times \frac{1}{100}\right)$

$.1333 \times 500 - (.2125)\left(\frac{7}{2000}\right) = 66.65 - 0 = 66.65$

lipid $= \frac{66.65}{0.0156} = 4272.436$

wet $= \frac{66.65}{} = 4.876$

DSW 321359

#50 $\left(\frac{.967}{5} \times 5 \times \frac{20}{1} \times \frac{10}{5}\right) - \left(\frac{.85}{8_4} \times 2\right)\left(\frac{5}{4} \times \frac{2}{5} \times \frac{1}{20} \times \frac{5}{10}\right)$

$9.67 \times 20 - (.2125)\left(\frac{1}{800}\right) = 193.4 - 0 = 193.4$

bpid $\frac{193.4}{1,105} = 175.02$

wct $\frac{193.4}{9.472} = 20.42$

#52 $\left(\frac{2.57}{5} \times 5 \times \frac{20}{1} \times \frac{10}{5}\right) - \left(\frac{.85}{8_4} \times 2 \times \frac{5}{8_4} \times \frac{2}{5} \times \frac{1}{20} \times \frac{5}{10}\right)$

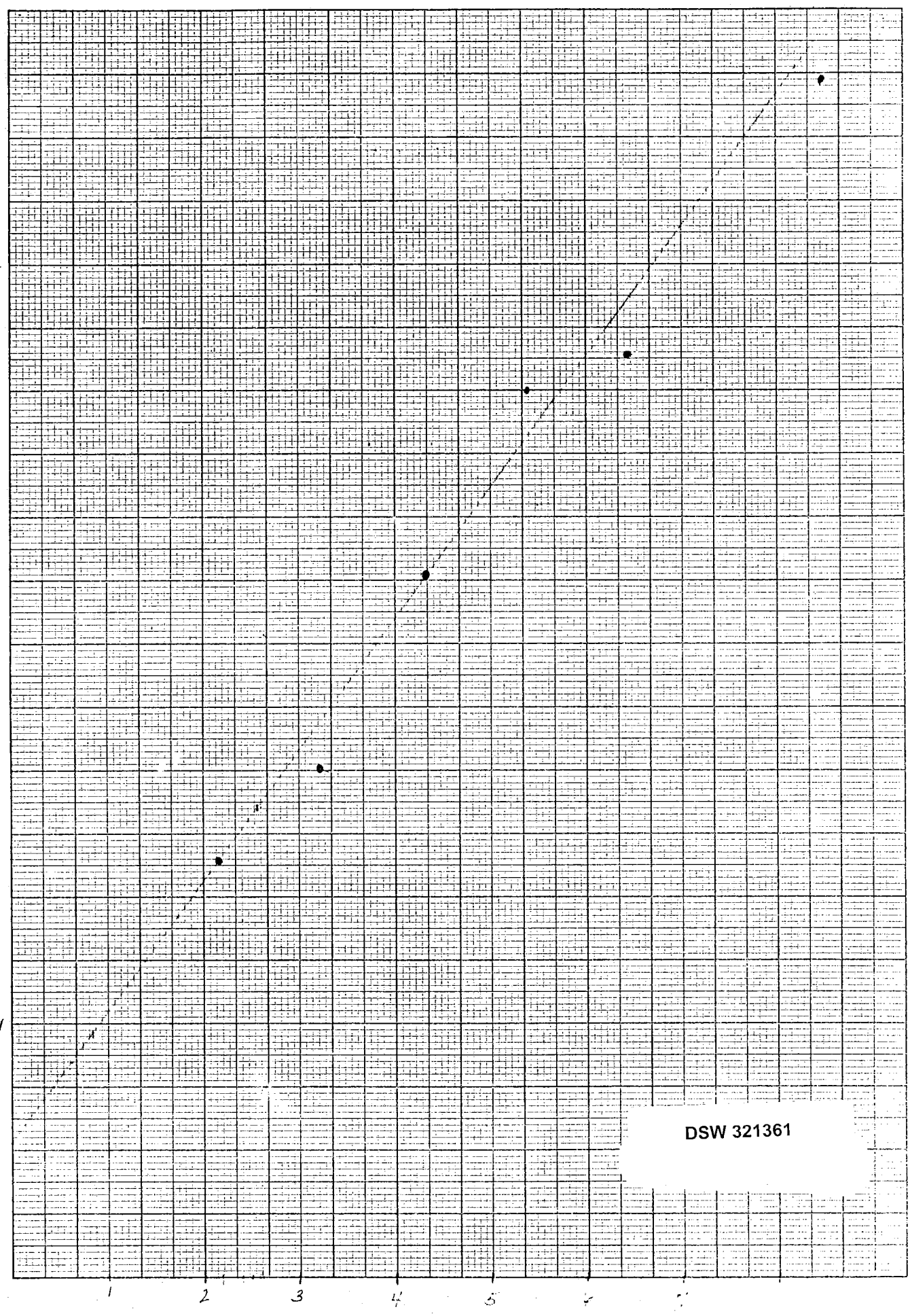
$514 - (.2125)\left(\frac{1}{800}\right) = 514 - 0.$

bpid $\frac{514}{1,3684.} = 375.6$

wct $\frac{514}{31.15} = 16.50$

DSW 321360

STLCOPCB4073011



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 321361

12-23-71 90 day Rats
1221 fed

1260

2.465	2	1865				
5.4625	5	3418				
7.6475	7	5290				
3.770	3	2907				
6.555	6	4740				
#62	5 gal	5 ml	2:10	3638	12/3	4.87
#65	6 gal	5 ml	1:16	2934	12/3	2.52
62 12/3	8 gal	2 ml	—	2166		2.72
36 12/1	8 gal	2 ml	—	1749		2.13
#67	2 gal	5 ml	—	2045	12/6	2.53

DSW 321362

.05

#62 $\left(\frac{4.87}{5} \times 5 \times \frac{10}{2}\right) - \left(\frac{2.72}{48} \times 1\right)\left(\frac{5}{8} \times \frac{2}{5} \times \frac{10}{5}\right) =$

$24.35 - .68 \times 1/20 = 34.35 - .03 = 34.32$

lipid $= \frac{34.32}{1,170} = 29,333$

wet $= \frac{34.32}{13.34} = 2.573$

#65 $\left(\frac{2.52}{4_3} \times 5 \times \frac{5}{1}\right) - \left(\frac{2.72}{84} \times 2\right)\left(\frac{4^3}{8^4_2} \times \frac{2}{5} \times \frac{1}{10}\right)$

$.84 \times 25 - .68 \times \frac{3}{100} = 21.00 - .02 = 20,98$

lipid $= \frac{20,98}{1,132} = 18,533$

wet $= \frac{20,98}{16.872} = 1,243$

#67 $\left(\frac{2.53}{2} \times 5\right) - \left(\frac{.127}{84} \times 2\right)\left(\frac{2}{8^4_2} \times \frac{2}{5}\right)$

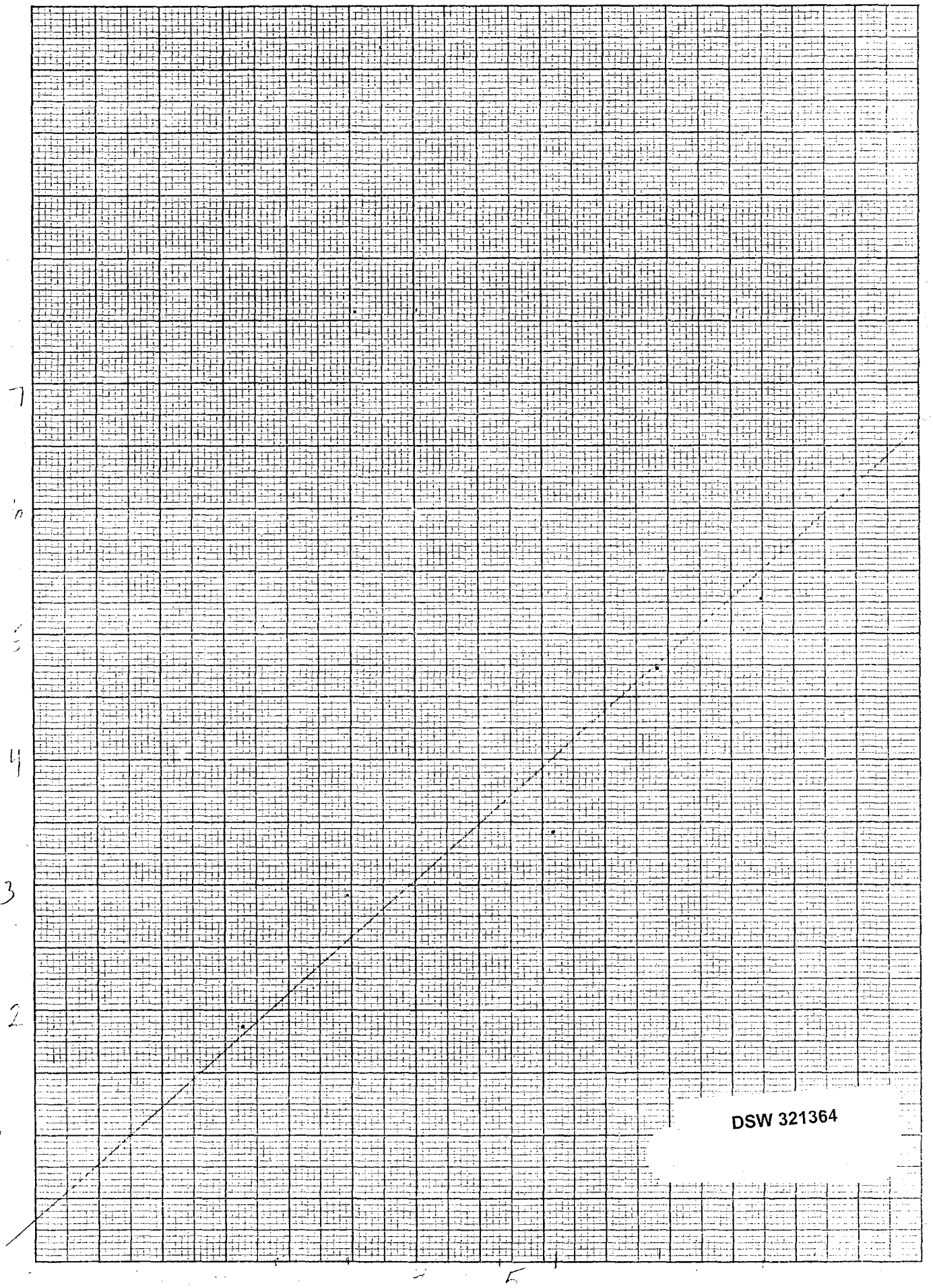
$6.325 - (0067) = 6.319$

lipid $= \frac{6.319}{.6144} = 10.284$

wet $= \frac{6.319}{27.19} = .2324$

DSW 321363

STLCOPCB4073014



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

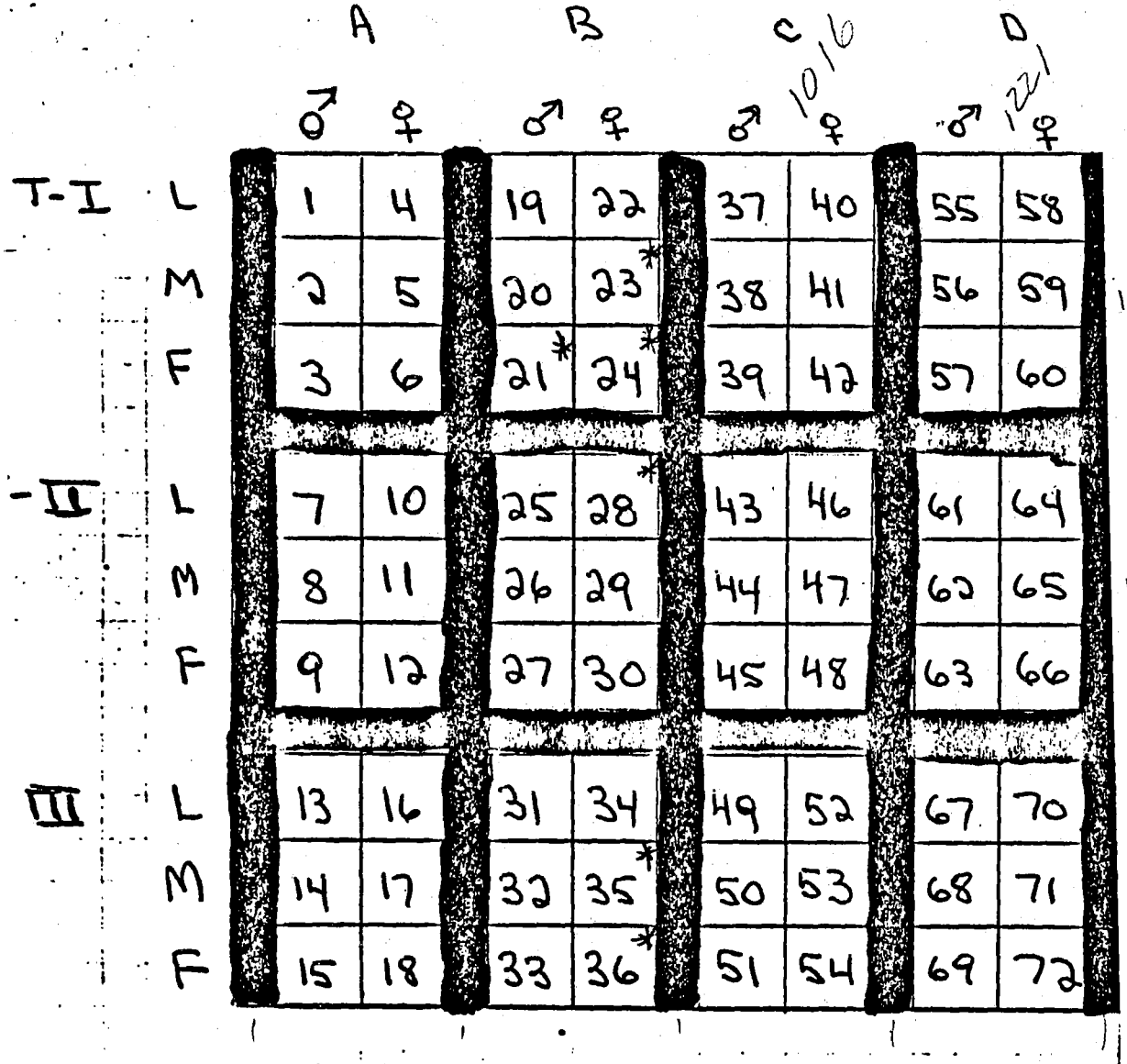
STLCOPCB4073015

90 day Subacute

Study #		Material	Feed Levels		
			T-I	T-II	T-III
9884	90 days	5432	300 (135 days)	10	100
9885		1221	300 (111 days)	10	100
9886		5442	300 (111 days)	10	100
9887		1016	30 (111 days)	300 (111 days?)	100
9888A	rats	5432	10	100	300
9888B		5442	10	100	300
9888C		1016	30	100	300
9888D		1221	10	100	300

T-I level of 9884 still at Bistat

DSW 321365



Blank 12/3 [illegible] → 36
12/1 37 → 42
73 → 78
12/2 43 → 54

		A ♂	A ♀	B ♂	B ♀	C ♂ 1016	C ♀	D ♂ 1221	D ♀
T-I	L	1	4	19	22	37	40	55	58
	M	2	5	20	23*	38	41	56	59
	F	3	6	21*	24*	39	42	57	60
-II	L	7	10	25	28*	43	46	61	64
	M	8	11	26	29	44	47	62	65
	F	9	12	27	30	45	48	63	66
III	L	13	16	31	34	49	52	67	70
	M	14	17	32	35*	50	53	68	71
	F	15	18	33	36*	51	54	69	72

1 ppm

10 ppm

100 ppm

Control

	♂	♀
L	73	76
M	74	77
F	75	78

9888

Rats

5432 A = ~~1016~~
5442 B = ~~1221~~
1016 C = ~~5432~~
1221 D = ~~5442~~

90 day Sub Acute Studies

DSW 321366

715 - 743 - 3216 Jenkins
~~81~~ - 841 - 272 - 3030 Planck
" " " " Sta 239 Hamlin, John Fish Toxicity

STLCOPCB4073017

9884 — 5432
9885 — 1221
9886 — 5442
9887 — 1016

DSW 321367

TABLE XX

IBT # 9888C
9888D

90-Day Subacute Oral Toxicity Study of Aroclor in Albino Rats

ppm PCB in Rat Tissues (Wet Weight Basis)

		90 Day Sacrifice						Sacrifice
		30 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1016	Muscle	14	4	20	15	8	5	
	Liver	5	1	10	16	4	0.5	
	Fat	24	27	138	193	6	88	

		90 Day Sacrifice						Sacrifice
		1 ppm		10 ppm		100 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1221	Muscle	0.5	0.4	3	1	3	2	
	Liver	0.06	0.1	0.06	0.5	0.2	2	
	Fat	2	4	16	5	36	50	

DSW 321368

STLCOPCB4073019

TABLE XXI

IBT # 9888 C
9888 D

90-Day Subacute Oral Toxicity Study of Aroclor in Albino Rats

ppm PCB in Rat Tissues (Lipid Weight Basis)

		90-Day Sacrifice						Sacrifice
		30 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1016	Muscle	28	40	175	16000	4501	4272	
	Liver	160	43	160	376	68	11	
	Fat	30	34	175	294	7	115	

		90-Day Sacrifice						Sacrifice
		1 ppm		10 ppm		100 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1221	Muscle	5	5	29	18	64	74	
	Liver	3	7	4	22	10	65	
	Fat	3	5	19	5	42	56	

DSW 321369

STLCOPCB4073020

TABLE XXII

IBT #9888C 9888D 90-Day Subacute Oral Toxicity Study of Aroclor in Albino Rats

Predicted ppm PCB in Rat Tissues (Lipid Weight Basis)

		* 90-Day Sacrifice						Sacrifice
		30 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1016	Muscle							
	Liver							
	Fat							

		90-Day Sacrifice						Sacrifice
		1 ppm		10 ppm		100 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1221	Muscle	5	5	19	19	76	76	
	Liver	2	8	5	22	14	60	
	Fat	5	5	13	13	36	36	

DSW 321370

* Calculation of meaningful regression equation not possible, inconsistent data attributed to sample handling problems.

1221 Regression Equation log ppm PCB = 0.6689 + 0.4427 (log ppm fed) - 0.4186 (if liver)

STLCOPCB4073021

TABLE XXVI

IBT # 9887
9885

90-Day Subacute Oral Toxicity Study of Aroclor in Beagle Dogs

ppm PCB in Dog Tissues (Wet Weight Basis)

		90 Day Sacrifice						Sacrifice
		30 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1016	Muscle	0.3	0.06	2	0.3	7	1	
	Liver	0.1	0.1	0.4	0.1	1	0.2	
	Fat	8	1	9	3	24	4	

		90 Day Sacrifice						Sacrifice
		10 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1221	Muscle	0.04	0.04	0.2	0.2	0.2	0.2	
	Liver	0.07	0.02	0.2	0.1	0.02	0.2	
	Fat	0.7	0.8	5	3	8	9	

DSW 321371

STLCOPCB4073022

TABLE XXVII

IBT #9887 9885 90-Day Subacute Oral Toxicity Study of Aroclor in Beagle Dogs

ppm PCB in Dog Tissues (Lipid Weight Basis)

		90 Day Sacrifice						Sacrifice
		30 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1016	Muscle	8	1	30	5	69	20	
	Liver	10	6	27	10	90	18	
	Fat	11	2	13	8	36	7	

		90 Day Sacrifice						Sacrifice
		10 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1221	Muscle	0.8	0.8	2	5	27	7	
	Liver	6	2	20	10	1	18	
	Fat	0.9	1	6	6	11	12	

DSW 321372

STLCOPCB4073023

TABLE XXVIII

IBT #9887 9885 90-Day Subacute Oral Toxicity Study of Aroclor in Beagle Dogs

Predicted ppm PCB in Dog Tissues (Lipid Weight Basis)

		90 Day Sacrifice						Sacrifice
		30 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1016	Muscle	8	2	20	5	48	12	
	Liver	13	4	35	9	82	22	
	Fat	8	2	20	5	48	12	

		90 Day Sacrifice						Sacrifice
		10 ppm		100 ppm		300 ppm		Exposure Level
Material	Tissue	♂	♀	♂	♀	♂	♀	Sex
Aroclor 1221	Muscle	1	1	5	5	11	11	
	Liver	5	2	25	10	60	21	
	Fat	1	1	5	5	11	11	

DSW 321373

1016 Regression Equation log ppm PCB = −0.2759 + 0.7885 (log ppm fed) + 0.2382 (if liver) − 0.5815 (if female)

1221 Regression Equation log ppm PCB = −0.7730 + 0.7299 (log ppm fed) + 0.7178 (if liver) − 0.1125 (if female liver)

STLCOPCB4073024

90 Day Subacute Toxicity Study in Rats

		Final Sacrifice					
		1016 - 30 ppm - T-I 1221 - 10 ppm - T-II		100 ppm T-III		1016 - 300 ppm - T-II 1221 - 300 ppm - T-I	
		♂	♀	♂	♀	♂	♀
Aroclor 1016 IBT 9888C	Muscle	28 (32)	40 (32)	175 (208)	1.6% (208)	450 (1128)	4272 (1128)
	Liver	160 (182)	43 (82)	160 (245)	376 (245)	68 (661)	11 (661)
	Fat	30 (32)	34 (32)	175 (208)	294 (208)	7 (1128)	115 (1128)
Aroclor 1221 IBT 9888D	Muscle	29 (19)	18 (19)	64 (76)	74 (76)	5 (5)	5 (5)
	Liver	4 (5)	22 (22)	10 (14)	65 (60)	3 (2)	7 (8)
	Fat	19 (13)	5 (13)	42 (36)	56 (36)	3 (5)	5 (5)
Control	Muscle	4					
	Liver	8	0.7				
	Fat	3	0.8				

(+) Included in fed 1 ppm (correct)

DSW 321374

STLCOPCB4073025

1016 Rat

$$\log_{10} ppm = \overbrace{-0.75591 + 1.537 \times \overset{2.478}{\log \text{ant fed}}}^{3.0528 + 1.3445} + 1.3445 \text{ if L}$$

$$- \underbrace{0.63648 \times \log \text{ant fed (if liver)}}_{1.5772}$$

0.199 40 %

250 "

3.0328

2.8201

1221

$$\log ppm = 0.66892 + 0.4427 \log \text{feed level} - 0.41856 \text{ if liver}$$

$$+ 0.1628 \times \log \text{feed level if mus} + 0.64042 \times \text{liver if mus}$$

0.17606 45 %

230 "

DSW 321375

STLCOPCB4073026

90 Day Subscute Toxicity Study in Dogs

		Final Sacrifice					
		1016 - 30ppm - T-I 1221 - 10ppm - T-II		100 ppm (T-III)		1016 - 300ppm T-II 1221 - 300ppm T-I	
		♂	♀	♂	♀	♂	♀
Aroclor 1016 IBT 9887	Muscle	8 30	2 1	20 8	5 5	48 69	12 20
	Liver	13 27	4 6	35 10	9 10	82 90	22 18
	Fat	8 13	2 2	20 11	5 8	48 36	12 7
Aroclor 1221 IBT 9885	Muscle	0.8 (1)	0.8 (1)	2 (5)	5 (5)	27 (11)	7 (11)
	Liver	6 (5)	2 (2)	20 (25)	10 (10)	1 (60)	18 (21)
	Fat	0.9 (1)	1 (1)	6 (5)	6 (5)	11 (11)	12 (11)
Control	Muscle	0.5	0.3				
	Liver	1.3	0.9				
	Fat	0.02	0.5				

DSW 321376

STLCOPCB4073027

9887

90 day dogs
fed 10/6

✓T-1-♀-M-1
✓T-1-♀-F-14
✓T-1-♂-L-10
✓T-2-♀-L-21
✓T-2-♂-L-19
~~✓T-1-♀-L-14~~ Rewrite
✓T-2-♀-M-21
✓T-2-♂-M-19
✓T-1-♂-M-10
✓T-1-♂-F-10
✓T-2-♀-F-21
✓T-3-♀-M-32
✓T-3-♀-F-32
T-2-♂-M-19 Dupl Chrome
✓T-3-♂-M-25
✓T-3-♂-F-25
✓T-2-♂-F-19
✓T-3-♂-L-25

Missing T-3-♀-L-32

Blk D-6

9885

90 day dogs
fed 9/22

✓T-2-♂-M-20
✓Cont-♂-F-3
✓Cont-♂-M-3
✓ Blk 12/8
✓ Blk 12/6
✓T-1-♂-L-11
✓ T-1-♂-M-11
✓ T-3-♂-F-27
✓ T-(3)-♀-F-22
✓ Blk 12/7
✓ Blk D-6
✓ Cont-♀-M-6
✓ Cont-♀-L-6
✓ Cont-♀-F-6
✓ Cont-♂-L-3
✓T-1-♀-M-15
✓T-2-♀-M-22
✓T-2-♀-L-22
✓T-3-♂-M-27
✓T-3-♂-L-27
✓T-3-♀-M-30
✓T-1-♀-L-15
✓T-1-♀-F-15
✓T-3-♀-L-30
✓T-3-♀-F-30
✓T-2-♂-L-20
✓T-2-♂-F-20

DSW 321377

✓T-1-♂-F-11
T-2-♀-F-22

90 day rate

fed 1016

39 ✓
43 ✓
45 ✓
47 ✓
52 ✓
40 ✓
41 ✓
42 ✓
44 ✓
46 ✓
48 ✓
49 ✓
51 ✓
37 ✓
3[illegible] ✓
50 ✓

37 - 52
16

fed 1221

✓57
✓59
✓58
✓60
✓61
✓62
✓65
Blk 12-1
Blk 12-3
✓67
✓63
✓64
✓66
✓ Blk 12-2
✓ Cont 73
✓ Cont 74
64 dupl
✓ Blk 12-6
✓ 55
✓ 68
✓ 70
✓ 72
✓ 56
✓ 69
✓ 71
✓ 76
Blk 12-22
✓ 75
✓ 78

77?

55-78
-77

DSW 321378

90 day dogs

1016

Log ppm PCB = -0.2769 + 0.7885 (log lead) + 0.2382 (if liver) - 0.5825 (if female)

Error 0.1803

1221

= - 0.7730 + 0.7299 (log lead) + 0.7178 (if liver) - 0.4252 (liver if female)

Error 0.1750

95% limits

± 0.3500

0.1750

10

.3500 -10

DSW 321379

12-28-71 90 day rats

1016 1016

µl	µg	Area
2	2.1486	907
7	7.511	2845
3	3.219	1699
5	5.365	2202

#54 4µl 5ml 1:10 1:10 1167 12½ 2.7

#53 5µl 5ml 1:10 2:10 678 12½ 1.52

#54 $\left(\frac{2.72}{4} \times 5 \times \frac{10^5}{1} \times \frac{1}{2}\right) - \left(\frac{.85}{64} \times 2\right)\left(\frac{4}{64} \times \frac{2}{5} \times \frac{1}{100}\right)$

$1.36 \times 250 - (.2125)\left(\frac{1}{500}\right) = 340 - 0.$

lipid $= \frac{340}{1.1550} = 294.372$

wet $= \frac{340}{1.754} = 193.842$

#53 $\left(\frac{1.52}{8} \times 8 \times \frac{100^{50}}{2}\right) - \left(\frac{.85}{64} \times 2\right)\left(\frac{5}{8} \times \frac{2}{4} \times \frac{2}{100}\right)$

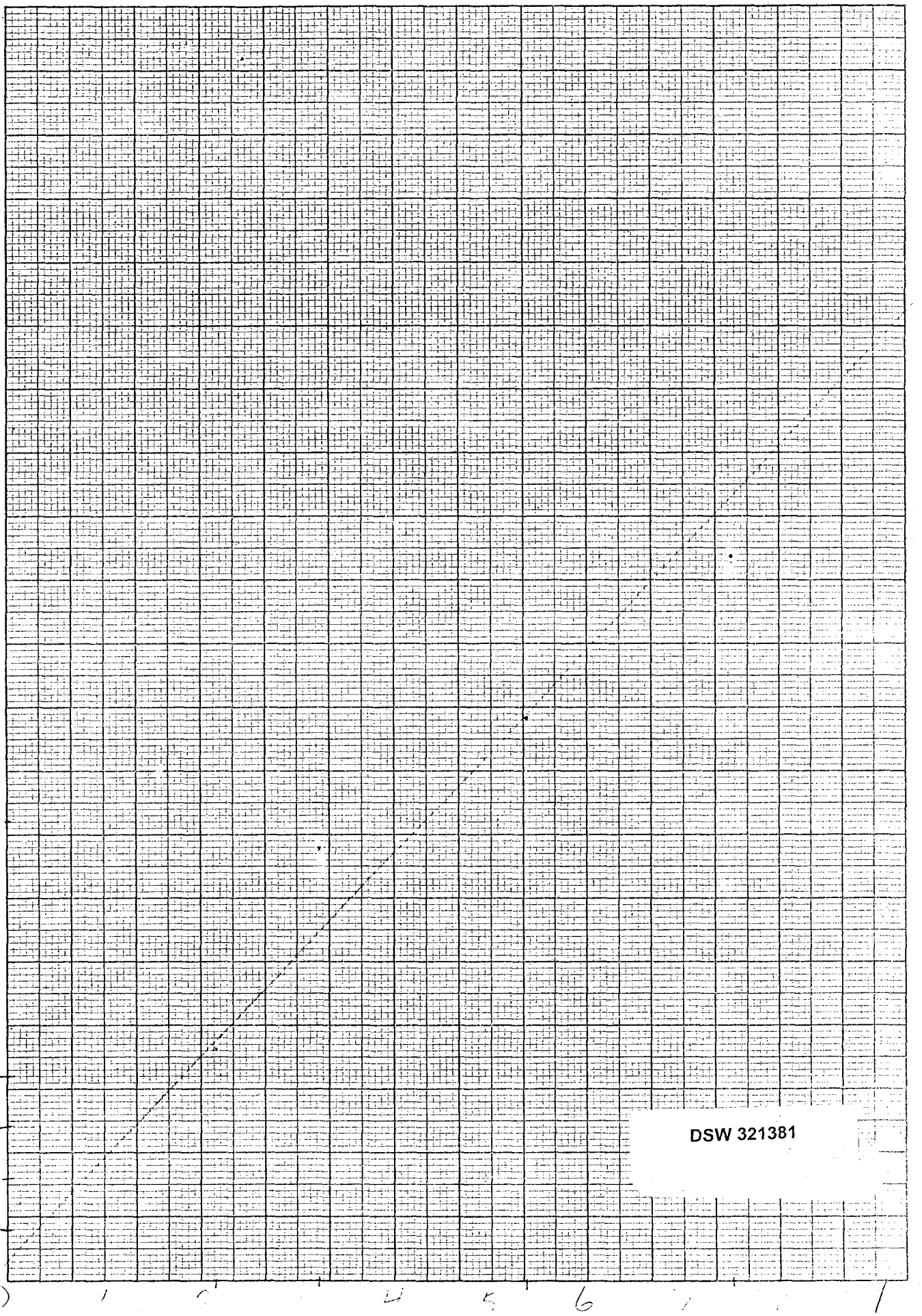
$76.0 - (.2125)\left(\frac{1}{200}\right) = 76.-0$

lipid $= \frac{76.}{.0048} = 15833.3$

wet $= \frac{76}{5.19} = 14.644$

DSW 321380

STLCOPCB4073031



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 321381

12-23-71

90 Day Rat
122/

12.60

µl	mg	Area
2	2.1850	3430
5	5.4625	7470
7	7.6475	9988
6	6.555	8938
3	3.2775	5538

#63 5µl 5ml 1:10 3819 12/3 2.55

#64 1µl 5ml 1:10 4148 12/3 2.81

#66 2µl 5ml — 3030 12½ 1.97

#67 12½ 8µl 2ml — 1562 .85

#73(con) 2µl 5ml — 3648 12/1 2.42

#74 2µl 5ml — 2597 12/1 1.63

DSW 321382

STLCOPCB4073033

#63 $\left(\frac{2.55}{5} \times \frac{5}{4} \times \frac{10}{1}\right) - \left(\frac{2.72}{8/4} \times 2\right)\left(\frac{5}{8/4} \times \frac{2}{5} \times \frac{1}{10}\right)$

$25.5 - (.68)(1/40) = 25.50 - .02 = 25.48$

lipid = $\frac{25.48}{1.3198} = 19.306$

wet = $\frac{25.48}{1.5929} = 15.995$

#64 $\left(\frac{2.81}{1} \times 5 \times \frac{10}{1}\right) - \left(\frac{2.72}{8/4} \times 2\right)\left(\frac{1}{8/4} \times \frac{2}{5} \times \frac{1}{10}\right)$

$28.1 \times 5 - (.68)(1/200) = 140.50 - 0$

lipid = $\frac{140.5}{.7488} = 187.633$

wet = $\frac{140.5}{31.23} = 4.499$

#66 $\left(\frac{1.97}{2} \times 5\right) - \left(\frac{2.72}{8/4} \times 2\right)\left(\frac{2}{8/4} \times \frac{2}{5}\right)$

$.985 \times 5 - (.68)(1/10) = 4.925 - .068 = 4.857$

lipid = $\frac{4.857}{.9273} = 5.2378$

wet = $\frac{4.857}{1.0461} = 4.643$

DSW 321383

#73 (con.) $\left(\frac{2.42}{2} \times 5\right) - \left(\frac{2.13}{84} \times 2\right)\left(\frac{2}{8} \times \frac{2}{5}\right)$

$6.05 - (.5325)(\frac{1}{10}) = 6.05 - .05 = 6.00$

lipid $\frac{6.00}{.7176} = 8.361$

met $\frac{6.00}{32.39} = .185$

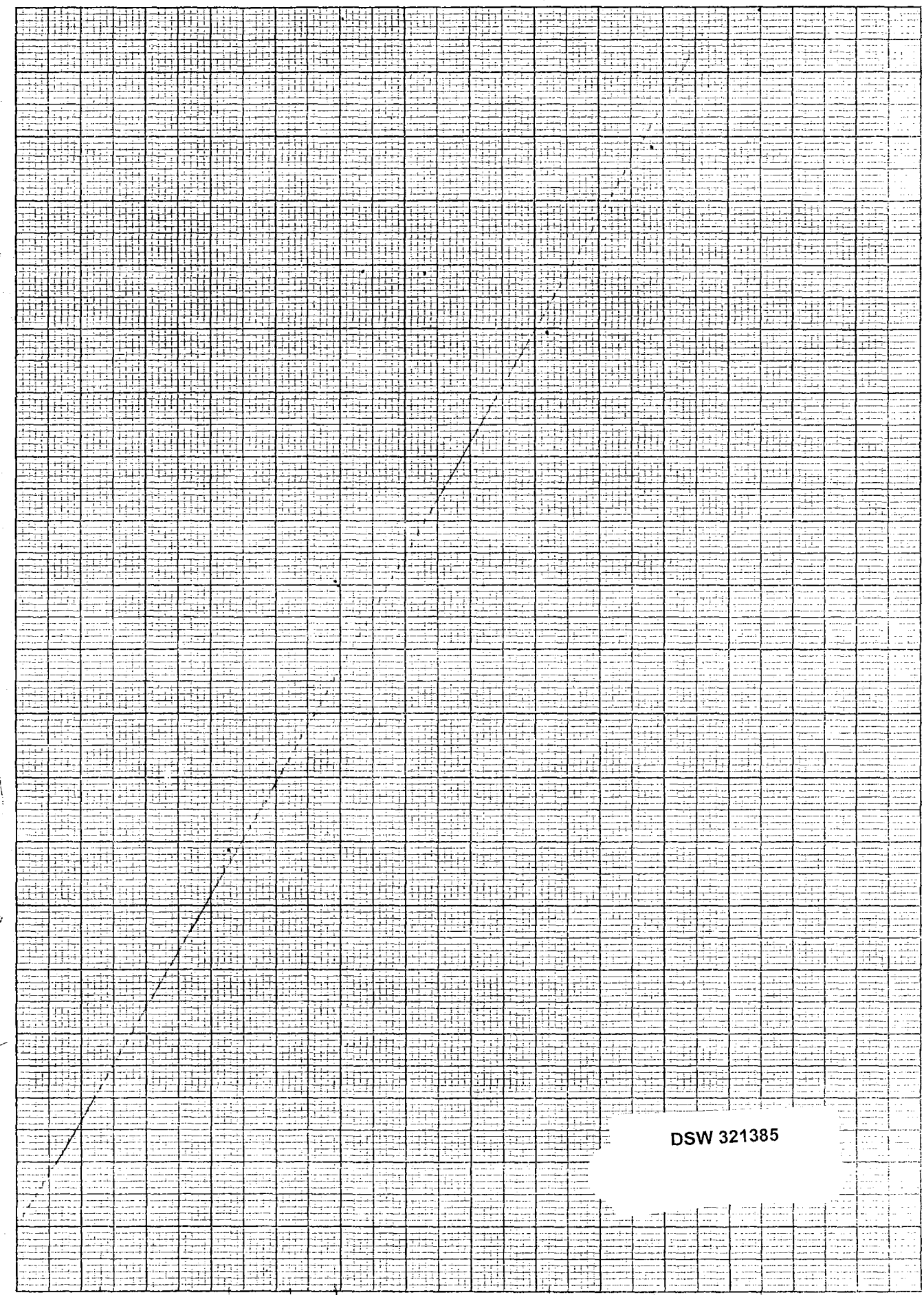
#74 $\left(\frac{1.63}{2} \times 5\right) - \left(\frac{2.13}{84} \times 2\right)\left(\frac{2}{8} \times \frac{2}{5}\right)$

$4.075 - (.5325)(\frac{1}{10}) = 4.075 - .053 = 4.022$

lipid $\frac{4.022}{1.0710} = 3.755$

met $\frac{4.022}{18.114} = .222$

DSW 321384



KE 10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

STLCOPCB4073036

90 day rats fed 1221

1260

ul	ng	Area
2	2,1850	4,338
8	8,7400	11,812
6	6,555	9,584
3	3,2775	5704

#64 5µl 5 ml 1:10 3554 12/3 1,78

Blk 12-6 8µl 2 ml — 1586 .27

#55 7µl 5 ml 2:10 2122 12/3 .70

#68 2µl 5 ml 1:10 3817 12/6 2,00

#70 2µl 5 ml 1:10 4426 12/6 2.48

#72 3µl 5 ml 1:10 3984 12/6 2.13

DSW 321386

64

$\left(\frac{1.78}{5} \times \frac{5}{1} \times \frac{10}{1}\right) - \left(\frac{2.72}{64} \times 2\right)\left(\frac{5}{64} \times \frac{2}{5} \times \frac{1}{10}\right)$

$17.8 - (.68)\left(\frac{1}{40}\right) = 17.8 - .01 = 17.8$

dpid $\frac{17.8}{.7488} = 23.771$

wet $= \frac{17.8}{31.23} = .56996$

#55 $\left(\frac{.70}{7} \times 5 \times \frac{105}{2}\right) - \left(\frac{2.72}{8} \times 2\right)\left(\frac{7}{64} \times \frac{2}{5} \times \frac{2}{10}\right)$

$.10 \times 25 \quad -(.68)(.07) = 2.50 - .05 = 2.45$

dpid $\frac{2.45}{.864} = 2.836$

wet $\frac{2.45}{39.04} = .0628$

#68 $\left(\frac{2.00}{2} \times 5 \times \frac{10}{1}\right) - \left(\frac{.27}{64} \times 2\right)\left(\frac{2}{64} \times \frac{2}{5} \times \frac{1}{10}\right)$

$50.0 - (.067)\left(\frac{1}{100}\right) = 50.0$

dpid $\frac{50.0}{.723} = 69.156$

wet $= \frac{50.0}{14.178} = 3.526$

DSW 321387

#70 $\left(\frac{2.48}{2} \times 5 \times \frac{10}{1}\right) - \left(\frac{.27}{8} \times 2\right)\left(\frac{2}{8_2} \times \frac{2}{5} \times \frac{1}{10}\right)$

$62.00 - (.067)\left(\frac{1}{100}\right) = 62.00$

lipid = $\frac{62.0}{.8784} = 70.582$

wet = $\frac{62.0}{33.10} = 1.873$

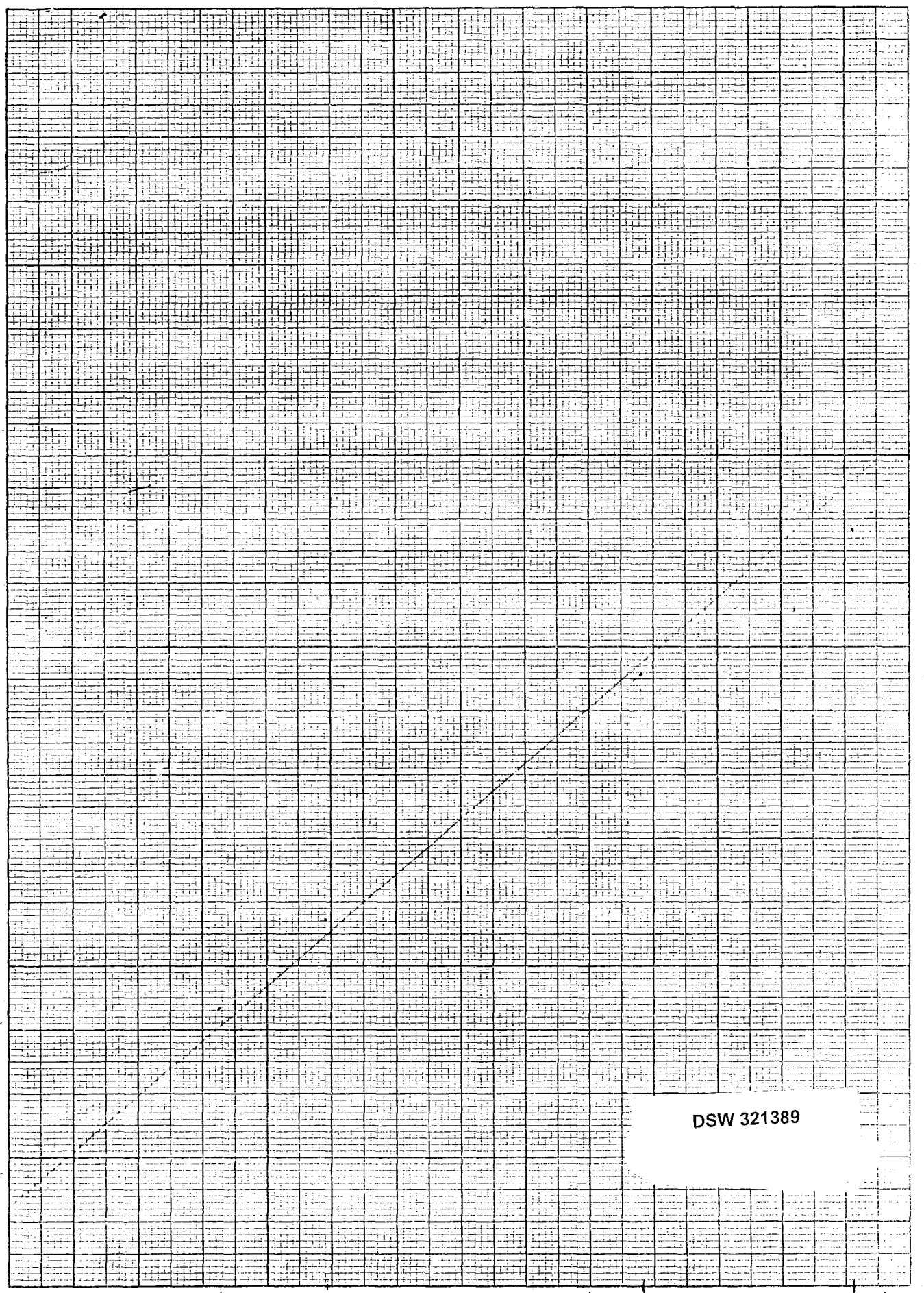
#72 $\left(\frac{2.13}{3} \times 5 \times \frac{10}{1}\right) - \left(\frac{.27}{8} \times 2\right)\left(\frac{3}{8_4} \times \frac{2}{5} \times \frac{1}{10}\right)$

$.71 \times 50 - (.067)\left(\frac{3}{200}\right) = 35.5 - 0$

lipid = $\frac{35.5}{.5843} = 60.756$

wet = $\frac{35.5}{.6602} = 53.77$

DSW 321388



K&E 10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

STLCOPCB4073040

90 days rats
12-27-71 / 124

1260

2	2,1850	4599
8	8,740	13930
4	4,370	7958
6	6,1555	10870
3	3,2775	7255
5	5,4625	16290

#56 7µl 5ml 2:10 - 4603 12/3 2.00

#69 2µl 5ml 1:10 4573 12/6 1.98

#11 3µl 5ml 1:10 5013 7/6 2.28

#56 $\left(\frac{2.00}{7} \times 5 \times \frac{5}{2}\right) - \left(\frac{2.72}{84} \times X\right)\left(\frac{7}{84} \times \frac{3}{5} \times \frac{7}{105}\right)$

$.285 \times 25 - (168)\left(\frac{7}{100}\right) = 7.125 - .048 = 7.077$

lipid = $\frac{7.077}{1.395} = 5.073$

wet = $\frac{7.077}{13.154} = .538$

#69 $\left(\frac{1.98}{2} \times 5 \times \frac{50}{1}\right) - \left(\frac{.27}{84} \times 2 \times \left(\frac{2}{84} \times \frac{2}{5} \times \frac{1}{10}\right)\right)$

$49.50 - (.067)\left(\frac{1}{100}\right) = 49.50$

lipid = $\frac{49.5}{1.1618} = 42.606$

wet = $\frac{49.5}{1.3936} = 35.520$

DSW 321390

STLCOPCB4073041

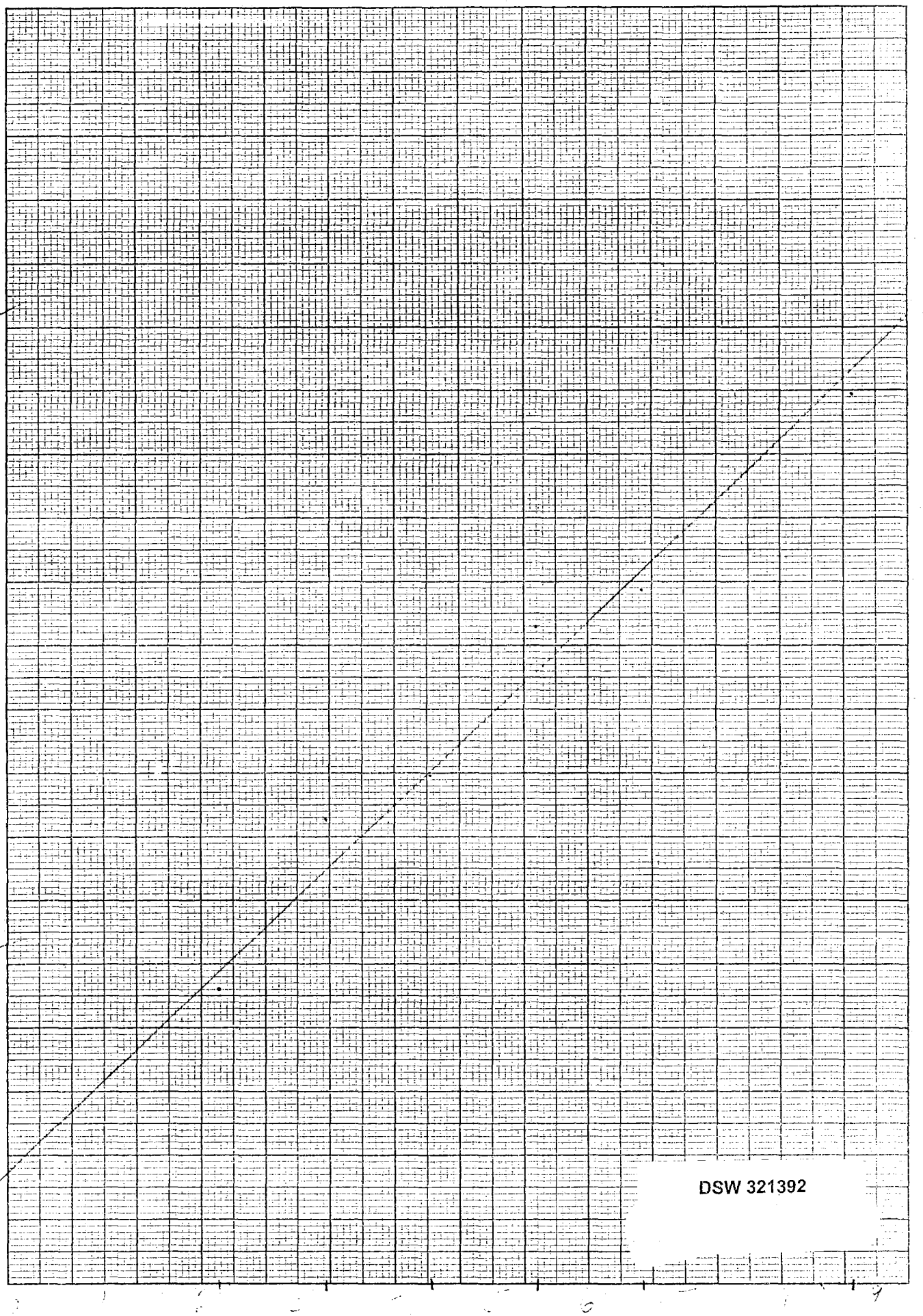
#71 $\left(\frac{2.28}{3} \times 5 \times \frac{10}{1}\right) - \left(\frac{.27}{84} \times 12\right)\left(\frac{3}{84} \times \frac{2}{5} \times \frac{1}{10}\right)$

$.76 \times 50 - (.067)\left(\frac{3}{200}\right) = 38.0 - 0$

yd $\frac{38.0}{.515} = 73.786$

wt $\frac{38}{20.89} = 1.819$

DSW 321391



KE 10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

STLCOPCB4073043

90 Day Rats + Dogs

1260 ✓ 1260

ul	mg	Area
2	2.1850	3812
7	7.6475	9700
6	6.555	7582
3	3.2775	4593

#76 5µl 5ml — 1871 12/1 .64

Dog !!

T-1-3-F-11

5µl 5ml 2:10 4759 12/7 3.58

K2 12/22 6µl — 861

#76 $\left(\frac{.64}{5} \times 5\right) - \left(\frac{2.13}{8} \times 2\right)\left(\frac{5}{8} \times \frac{2}{4}\right)$ RAT!

.64 − .13 = .51

lipid = $\frac{.51}{.6968}$ = .732

wet = $\frac{.51}{31.30}$ = .0163

T-1-3-F-11 DOG!

$\left(\frac{3.58}{5} \times 5 \times \frac{10}{2}\right) - \left(\frac{.04}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{5} \times \frac{2}{10}\right)$

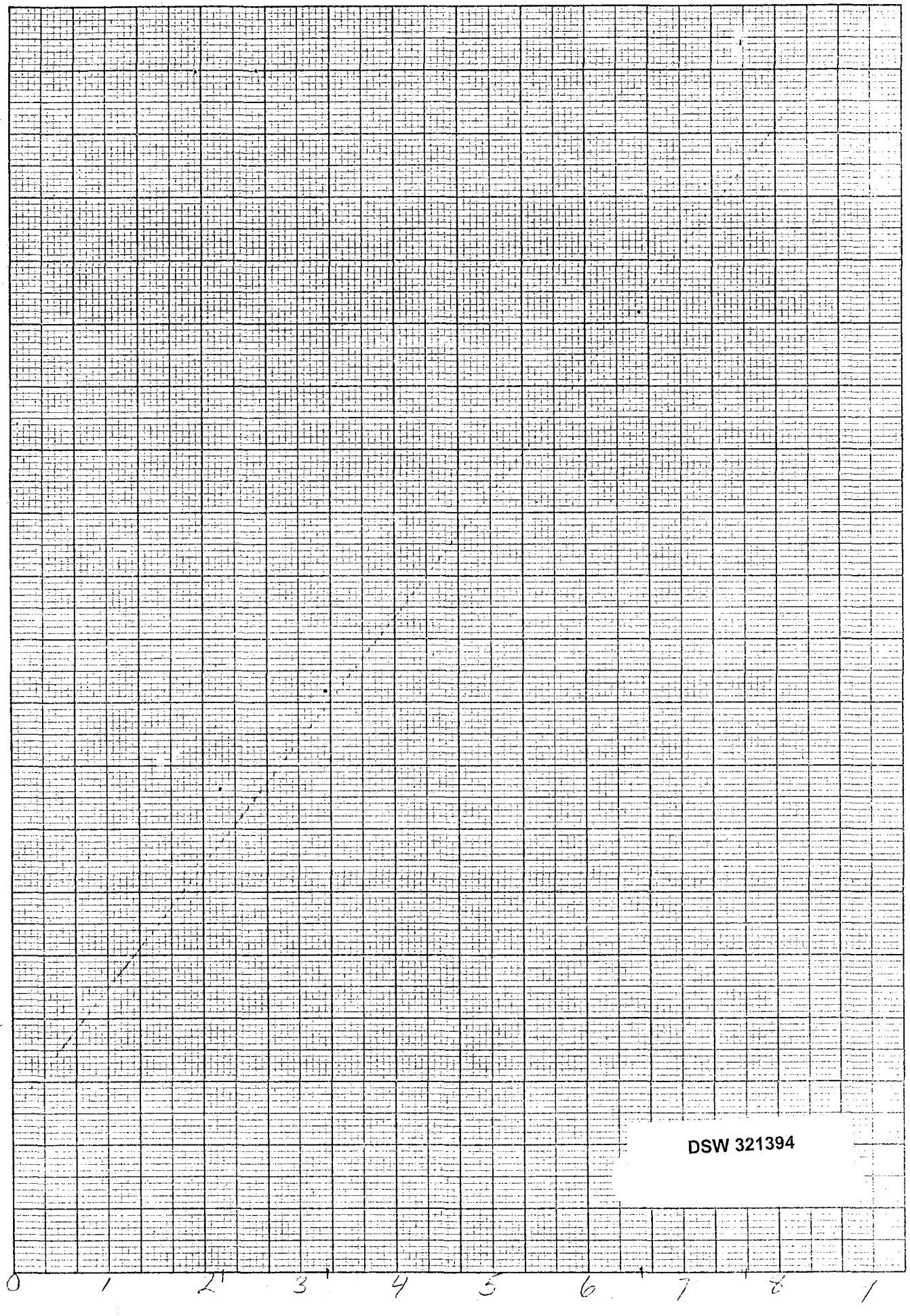
17.90 − (.08)(2/25) = 17.90 − 0.

lipid = $\frac{17.90}{1.2600}$ = 14.206

wet = $\frac{17.90}{\quad}$ = 8.291

DSW 321393

STLCOPCB4073044



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

STLCOPCB4073045

1260 ... 12/2/71 90 Day Rat 122

ul	mg	Area
2	2.N650	4726
7	7.6475	11740
6	6.555	10562
3	3.2775	4183 #Reject

#75 2 ul 5 ml — 3754 12/1 1.38

#78 ~~3 ul~~ 6 5 ml — ~~1748~~ 3496 12/1 1.17
multi 2

C.C. 12/2 ~~2 ul~~ 8 2 ml — ~~502~~ (Mult 14) 2009 .0

#75 $\left(\frac{1.38}{2} \times 5\right) - \left(\frac{2.13}{\cancel{8}_4} \times \cancel{2}\right)\left(\frac{\cancel{2}}{\cancel{8}_{4/2}} \times \frac{\cancel{2}}{5}\right)$

$3.45 - (.5325)(1/10) = 3.45 - .05 = 3.40$

lipid $= \frac{3.40}{1.1750} = 2.893$

wet $= \frac{3.40}{1.3566} = 2.506$

#78 $\left(\frac{1.17}{6} \times 5\right) - \left(\frac{2.13}{\cancel{8}_4} \times \cancel{2}\right)\left(\frac{\cancel{6}^3}{\cancel{8}_{4/2}} \times \frac{\cancel{2}}{5}\right)$

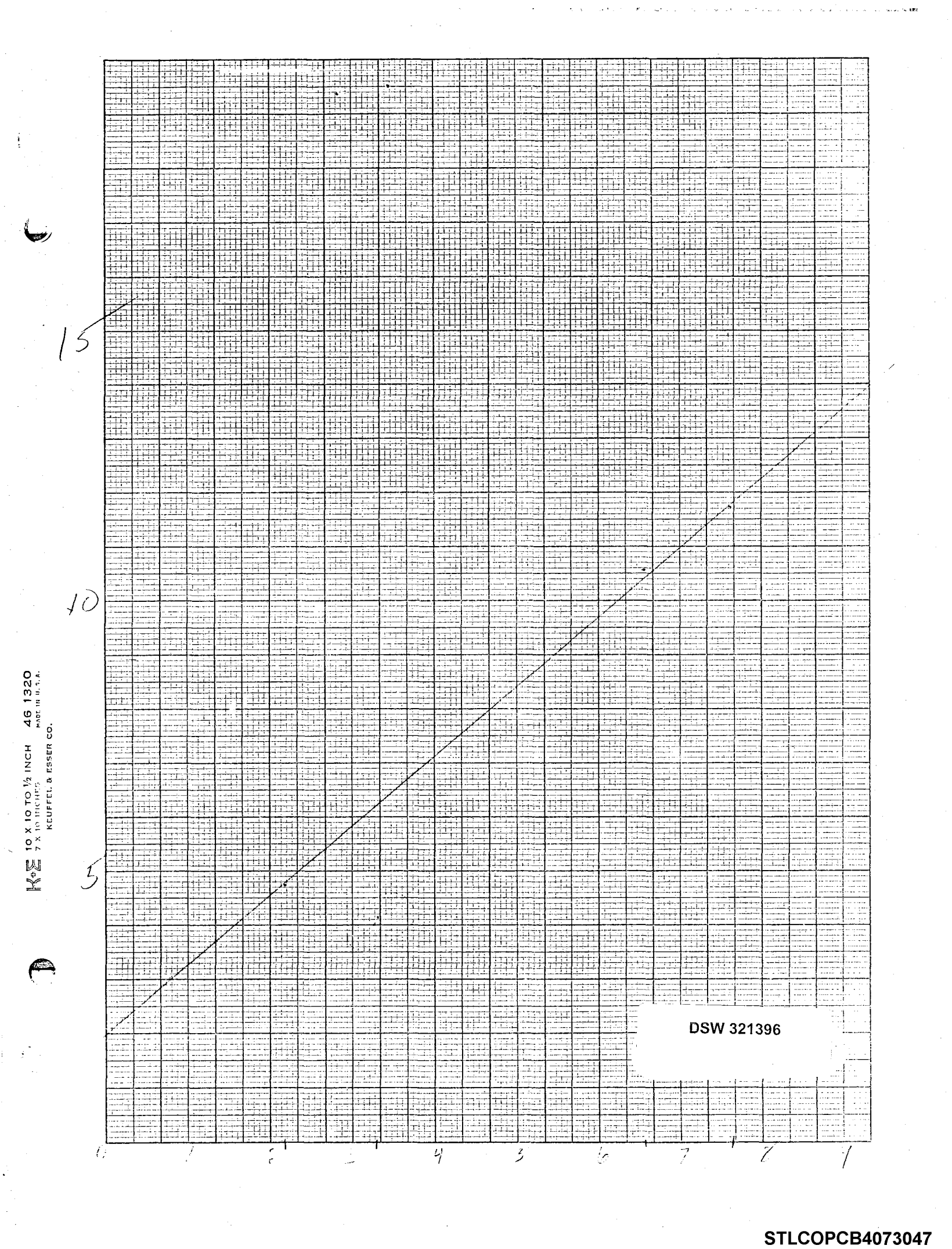
$.975 - (.5325)(3/10) = .975 - .159 = .816$

lipid $= \frac{.816}{1.0620} = .768$

wet $= \frac{.816}{1.3028} = .626$

DSW 321395

STLCOPCB4073046



KE 10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES
MADE IN U.S.A.
KEUFFEL & ESSER CO.

STLCOPCB4073047

90 day rate
1016

1016

µl	mg	Area
8	8.584	3489
2	2.146	1296
6	6.438	2767
5	5.365	2324
4	4.292	1897

#40	7µl	5ml	1:50	969	12/1	1.59
#41	7µl	5ml	1:50	896	12/1	1.37
#42	7µl	5ml	1:50	764	12/1	1.01
#44	5µl	5ml	1:50, 5:10	900	12/2	1.40
#46	5µl	5ml	2:10, 5:10	1079	12/2	1.87
#48	5µl	5ml	1:100	927	12/2	1.44
#49	4µl	5ml	1:100, 5:10	870	12/2	1.32
#51	5µl	5ml	1:100	920	12/2	1.4[illegible]

DSW 321397

STLCOPCB4073048

#40 $\left(\frac{1.59}{7} \times 5 \times \frac{50}{1}\right) - \left(\frac{2.13}{48} \times 7\right)\left(\frac{7}{84} \times \frac{2}{5} \times \frac{1}{50}\right)$

$.227 \times 250 - (.5325)\left(\frac{7}{1000}\right) = 56.75 - 0.$

liquid $= \frac{56.75}{1.3094} = 43.340$

wet $= \frac{56.75}{41.43} = 1.3698$

#41 $\left(\frac{1.37}{7} \times 5 \times \frac{50}{1}\right) - \left(\frac{2.13}{8} \times 2\right)\left(\frac{7}{84} \times \frac{2}{5} \times \frac{1}{50}\right)$

$.196 \times 250 - (.5325)\left(\frac{7}{1000}\right) = 49 - 0.$

liquid $= \frac{49}{1.2240} = 40.033$

wet $= \frac{49}{10.784} = 4.544$

#42 $\left(\frac{1.01}{7} \times 5 \times \frac{50}{7}\right) - \left(\frac{2.13}{8} \times 2\right)\left(\frac{7}{84} \times \frac{2}{5} \times \frac{1}{50}\right)$

$.144 \times 250 - (.5325)\left(\frac{7}{1000}\right) = 36 - 0.$

liquid $= \frac{36}{1.0615} = 33.91$

wet $= \frac{36}{1.3496} = 26.674$

#44 $\left(\frac{1.40}{5} \times 5 \times \frac{50}{1} \times \frac{10}{5}\right) - \left(\frac{.85}{84} \times 2\right)\left(\frac{5}{84} \times \frac{2}{5} \times \frac{1}{50} \times \frac{2}{10}\right)$

$1.40 \times 100 - (.2125)\left(\frac{1}{400}\right) = 140 - 0$

liquid $= \frac{140}{0.0311} = 4501.6$

wet $= \frac{140}{} = 7.914$

DSW 321398

#46 $\left(\frac{1.87}{5} \times 5 \times \frac{10}{2} \times \frac{10}{5}\right) - \left(\frac{.85}{64} \times 2\right)\left(\frac{5}{64} \times \frac{2}{5} \times \frac{1}{100}\right)$

$18.7 - (.2125)\left(\frac{1}{400}\right) = 18.7 - 0$

lipid $= \frac{18.7}{1.6839} = 11.105$

wet: $\frac{18.7}{35.198} = .520$

#48 $\left(\frac{1.44}{5} \times 5 \times \frac{100}{1}\right) - \left(\frac{.85}{64} \times 2\right)\left(\frac{5}{64} \times \frac{2}{5} \times \frac{1}{100}\right)$

$144 - (.2125)(1/400) = 144 - 0.$

lipid $= \frac{144}{1.2510} = 115.108$

wet $= \frac{144}{1.6356} = 88.041$

#49 $\left(\frac{1.32}{4} \times 8 \times \frac{250}{1} \times \frac{10}{5}\right) - \left(\frac{.85}{64} \times 2\right)\left(\frac{4}{64} \times \frac{2}{4} \times \frac{1}{100} \times \frac{2}{10}\right)$

$(1.32)(250) - (.2125)(1/1000) = 330 - 0.$

lipid $= \frac{330}{2.0604} = 160.16$

wet $= \frac{330}{33.29} = 9.912$

#51 $\left(\frac{1.43}{5} \times 5 \times \frac{100}{1}\right) - \left(\frac{.85}{64} \times 2\right)\left(\frac{5}{64} \times \frac{2}{5} \times \frac{1}{100}\right)$

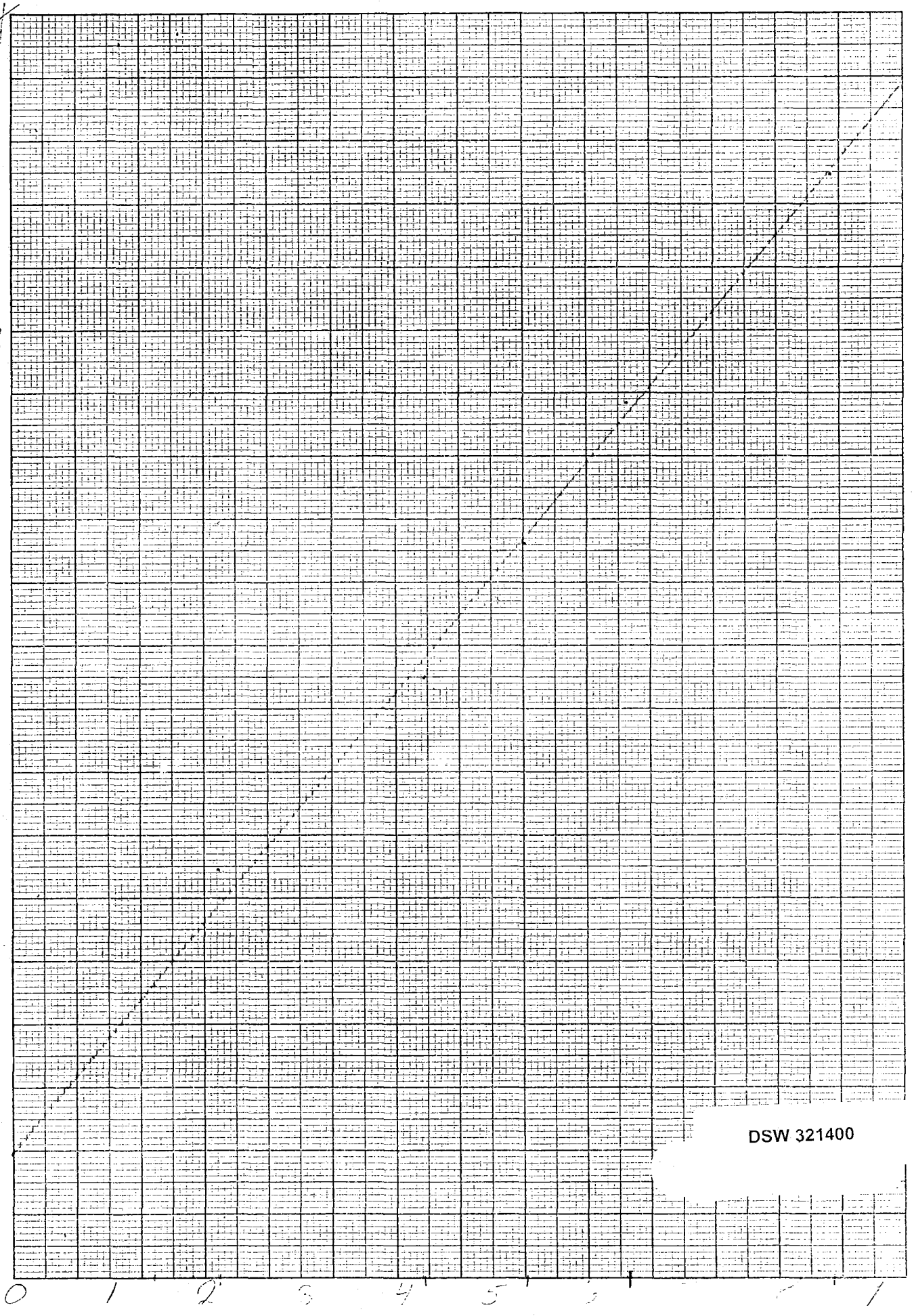
$143 - (.2125)(1/400) = 143 - 0$

lipid $= \frac{143}{.8175} = 174.923$

wet $= \frac{143}{1.043} = 137.50$

DSW 321399

STLCOPCB4073050



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

This packet contains.

(1) 2 samples (MCS 1016) from the 90 day Sub Acute Toxicity Studies with Rats before and after oxygen, H_2SO_4 ext.

→ Saponified H_2SO_4 ext. not necessary with 90 day 1016 rats ←

(3) 4 blanks covering extraction of 90 day 1016 & 1221 Rats + 1242 calibration curves

#37 & #38 1016 Rats

DSW 321401

C9885.. Tissue	Total Wet Weight	Total Lipid Weight	Analysis Wet Weight	Analysis Lipid Weight	
CON-♀-8					
M	31.90	2.0846	15.95	1.0423	
L	28.85	0.4900	28.85	0.4900	
F	51.29	43.40	1.0258	0.868	
CON-♂-3					
M	34.85	1.3794	34.85	1.3794	
L	34.50	0.4749	34.50	0.4749	
F	72.60	60.90	1.452	1.218	
T-1-♀-15					
M	40.52	1.2958	~~40.52~~	1.2958	
L	32.54	0.4359	32.54	0.4359	
F	35.85	27.80	1.434	1.112	
T-1-♂-11					
M	14.50	0.0963	14.50	0.0963	
L	26.81	0.3251	26.81	0.3251	
F	21.59	12.60	2.159	1.2600	* Sample lost.
T-2-♀-22					
M	49.72	2.5375	49.72	2.5375	
L	36.33	0.2667	36.33	0.2667	
F	58.84	40.20	1.7652	1.2060	
T-2-♂-20					
M	50.16	2.6054	50.16	2.6054	
L	26.57	0.2864	26.57	0.2864	
F	65.95	53.55	1.319	1.071	
T-3-♀-30					
M	27.82	1.0844	27.84	1.0844	
L	33.61	0.3936	33.61	0.3936	
F	27.76	19.75	1.9725	1.1850	
T-3-♂-27					
M	41.48	2.5890	41.48	2.5890	
L	30.54	0.3609	30.54	0.3609	
F	55.44	~~7.30~~ 47.22	5.544	~~0.7300~~ 4.722	

DSW 321402

C9887 - Tissue	Total Wet Weight	Total Lipid Weight	Analysis Wet Weight	Analysis Lipid Weight
T-1-♀-14				
M	39.19	2.0104	39.19	2.0104
L	28.83	0.5073	28.83	0.5073
F	44.28	33.40	1.3284	1.0020
T-1-♂-10				
M	22.90	1.2420	22.90	1.2420
L	19.43	0.3021	19.43	0.3021
F	29.04	20.30	1.452	1.050
T-2-♀-21				
M	35.18	1.3900	35.18	1.3900
L	41.91	0.4887	41.91	0.4887
F	37.54	22.125	1.8771	1.1063
T-2-♀-19				
M	26.73	2.8084	26.73	2.8084
L	33.06	0.4414	33.06	0.4414
F	27.75	18.50	1.3875	0.925
T-3-♀-32				
M	37.20	2.3489	37.20	2.3489
L	26.20	0.4200	26.20	0.4200
F	51.42	20.225	2.5711	1.0113
T-3-♂-25				
M	36.87	1.3976	36.87	1.3976
L	35.20	0.4078	35.20	0.4078
F	69.70	51.25	1.394	1.025

DSW 321403

IBT 9885
Dog Study

BIK 12/6
CON - ♀ - M - 6
CON - ♀ - L - 6
CON - ♀ - F - 6

BIK 12/7
CON - ♂ - M - 3
CON - ♂ - L - 3
CON - ♂ - F - 3
T-1 ♀ - M - 15
T-1 ♀ - L - 15
T-1 ♀ - F - 15
T-1 ♂ - M - 11
T-1 ♂ - L - 11
T-1 ♂ - F - 11
T-2 ♂ - M - 20
T-2 ♂ - L - 20
T-2 ♂ - F - 20

BIK 12/8
T-2 ♀ - M - 22
T-2 ♀ - L - 22
T-2 ♀ - F - 22
T-3 ♀ - M - 30
T-3 ♀ - L - 30
T-3 ♀ - F - 30
T-3 ♂ - M - 27
T-3 ♂ - L - 27
T-3 ♂ - F - 27
T-1 ♀ - M - 14
T-1 ♀ - L - 14
T-1 ♀ - F - 14

IBT 9887

IBT 9887
Dog Study
BIK 12/13
T-1 ♂ - M - 10
T-1 ♂ - L - 10
T-1 ♂ - F - 10
T-2 ♀ - M - 21
T-2 ♀ - L - 21
T-2 ♀ - F - 21
T-2 ♂ - M - 19
T-2 ♂ - L - 19
T-2 ♂ - F - 19
T-3 ♀ - M - 32
T-3 ♀ - L - 32 Sample Lost
T-3 ♀ - F - 32
T-3 ♂ - M - 25
T-3 ♂ - L - 25
T-3 ♂ - F - 25

BIK 12/22
T-3 - ♀ - L - 30

DSW 321404

IBT 9887
Dog Study

T-3-♀-L-32 Sample Lost

T-3-♀-L-30 Substituted

Total Wet Wt.	33.44 g.
Total Lipid Wt.	0.6432 g.
Analysis Wet Wt.	33.44 g.
Analysis Lipid Wt.	0.6432 g.

DSW 321405

90 day dip
1816

1016

µl	ng	Area
2	2.146	611
7	7.511	3444
6	6.438	2523
3	3.219	1401

T-3-9-M-32
4µl 5ml 2:10 841 DLR 12/13 1.96

T-3-9-F-32
2µl 5ml — 1445 12/13 3.33

Blk 12/13
7µl 2ml — 1009 2.33

T-2-5'-11-19
7µl 5ml 1:50 1009 12/13 2.33

T-3-8-M-25
6µl 5ml 2:10 1227 12/13 2.44

T-3-8-F-25
6µl 5ml 2:10 1217 12/13 2.80

DSW 321406

$\frac{2.33}{7} \times 2 = .666$

T-3-9-M-32 $\left(\frac{1.96}{4} \times 5 \times \frac{10}{2}\right) - \left(\frac{2.33}{7} \times 2\right)\left(\frac{4}{7} \times \frac{2}{5} \times \frac{2}{10}\right)$

$.98 \times 12.5 - .666 \times \frac{8}{175} = 12.25 - .030 = 12.22$

lipid $= \frac{12.22}{2.3489} = 5.202$

wet $= \frac{12.22}{37.20} = .328$

T-3-9-F-32 $\left(\frac{3.33}{2} \times 5\right) - \left(\frac{2.33}{7} \times 2\right)\left(\frac{2}{7} \times \frac{2}{5}\right)$

$3.33 \times 2.5 - .666 \times \frac{4}{35} = 8.325 - .076 = 8.249$

lipid $= \frac{8.249}{1.0113} = 8.157$

wet $= \frac{8.249}{2.5711} = 3.208$

T-2-8-M-19 $\left(\frac{2.33}{3} \times 5 \times \frac{50}{1}\right) - \left(\frac{2.33}{7} \times 2\right)\left(\frac{3}{7} \times \frac{2}{5} \times \frac{1}{50}\right)$

$1.78 \times 250 - .666\left(\frac{3}{175}\right)$ $194.50 - 0 = 194.50$

lipid $= \frac{194.50}{2.8084} = 69.25$

wet $= \frac{194.50}{26.73} = 7.276$

T-3-8-M-25 $\left(\frac{2.84}{10} \times 5 \times \frac{10}{2}\right) - \left(\frac{2.33}{7} \times 2\right)\left(\frac{6}{7} \times \frac{2}{5} \times \frac{2}{10}\right)$

$.943 \times 12.5 - .666\left(\frac{12}{175}\right) = 11.788 - .046 = 11.742$

lipid $= \frac{11.742}{1.3974} = 8.401$

wet $= \frac{11.742}{36.87} = .318$

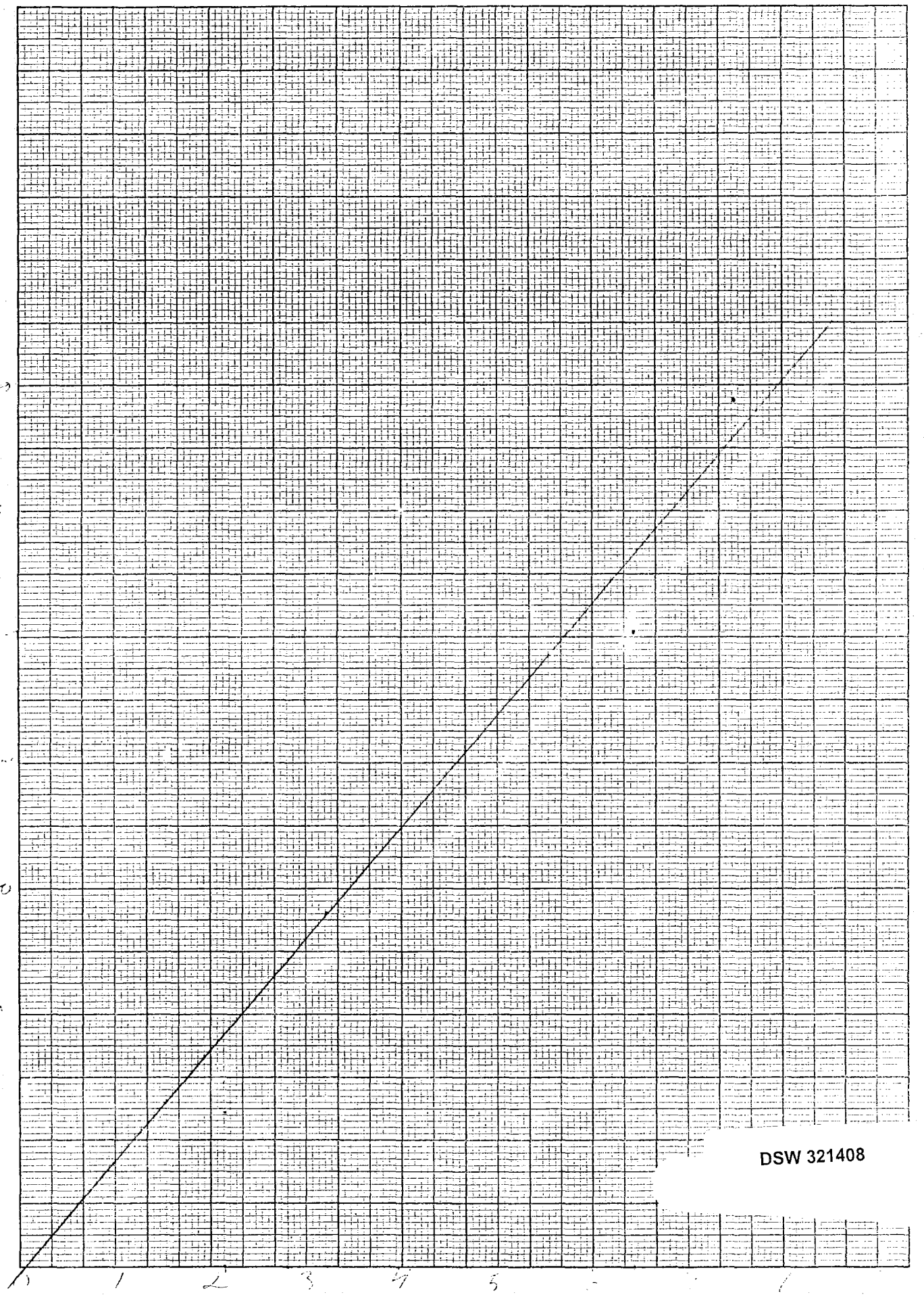
T-3-8-F-25 $\left(\frac{2.80}{10} \times 5 \times \frac{10}{2}\right) - \left(\frac{2.33}{7} \times 2\right)\left(\frac{6}{7} \times \frac{2}{5} \times \frac{2}{10}\right)$

$.933 \times 12.5 - .666\left(\frac{12}{175}\right) = 11.663 - .046 = 11.617$

lipid $= \frac{11.617}{1.025} = 11.333$

wet $= \frac{11.617}{1.394} = 8.333$

DSW 321407



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 321408

90 day dogs
1016

1016

ul	mg	Area
2	2.146	2246
7	7.511	4404
6	6.438	4120
3	3.219	2426

T-2-3'-F-19
3µl 5 mL 1:50 1095 12/13 0.40

T-3-3'-L-25
3µl 5mL — 2098 12/13 2.39

Bek D-6
1µl 2 mL — 4442 7.05

T-2-3'-F-19

$\left(\frac{0.40}{3} \times 50\right) - \left(\frac{2.73}{8} \times 2\right)\left(\frac{3}{8} \times \frac{2}{5} \times \frac{1}{50}\right)$

$.133 \times 250 - (.6825)\left(\frac{3}{8 \times 125}\right) = 33.25 - 0 = 33.25$

lipid = $\frac{33.25}{0.925} = 35.945$

wet = $\frac{33.25}{1.3875} = 23.963$

T-3-3'-L-25

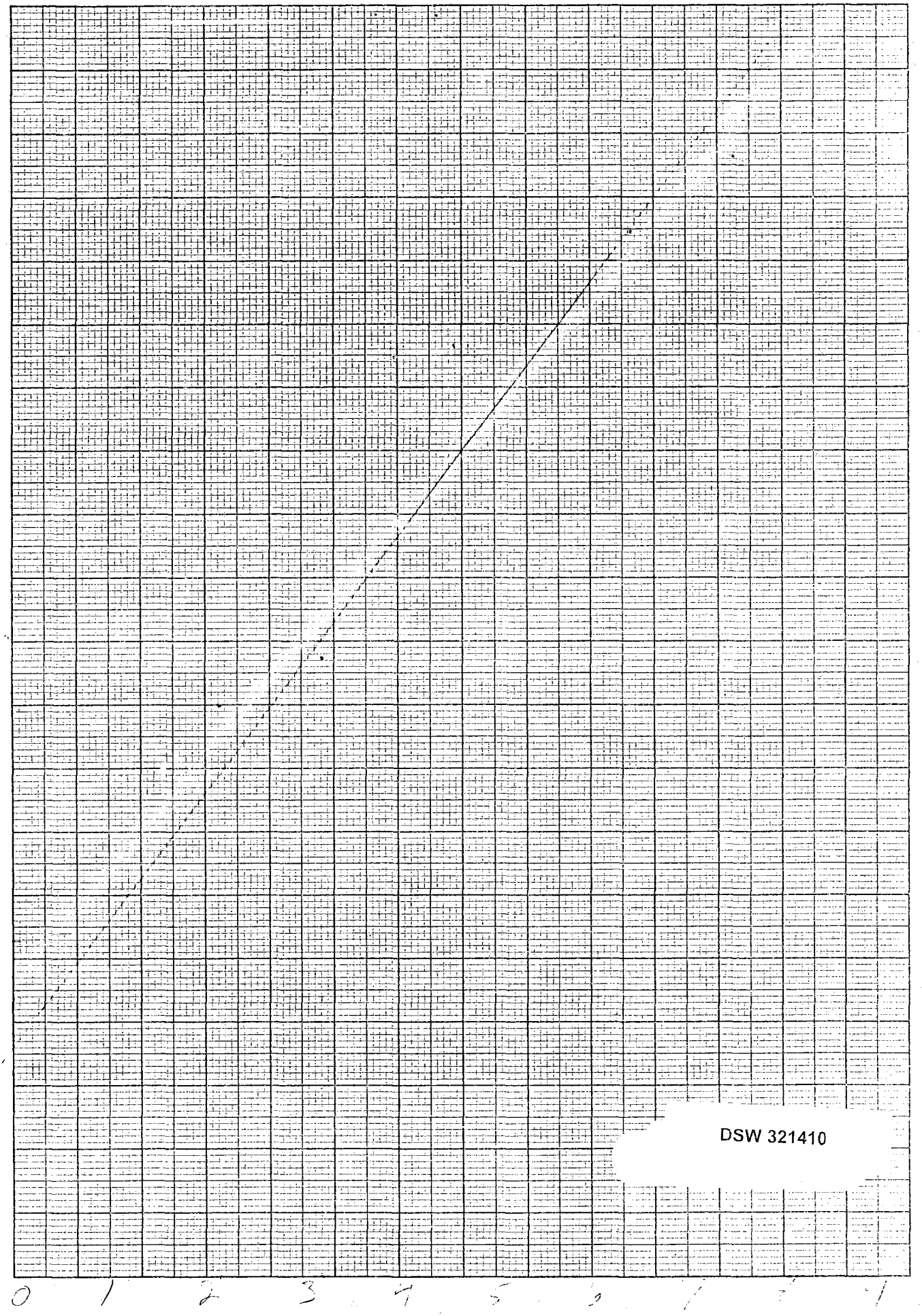
$\left(\frac{2.39}{3} \times 5\right) - \left(\frac{2.73}{8} \times 2\right)\left(\frac{3}{84} \times \frac{2}{5}\right)$

$(2.39)(1.67) - (.6825)(.15) = 3.991 - .102 = 3.889$

lipid = $\frac{3.889}{.4078} = 9.536$

wet = $\frac{3.889}{35.20} = .1104$

DSW 321409



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

12/21/71 90 day days

1016 1016

ul	mg	Area
2	2.146	1884
7/3	7.511	5110
3	3.219	2183
5	5.365	3597

T-1-♂-M-10
4 µl 5 ml 2:25 1689 12/13 2.44

T-1-♂-F-10
7 µl 5 ml 2:25 1013 12/15 1.46

T-2-9-F-21
3 µl 5 ml — 3340 12/20 4.88

T-1-♂-M-10 $\left(\frac{2.44}{4} \times 5 \times \frac{25}{2}\right) - \left(\frac{2.33}{7} \times 2\right)\left(\frac{4}{7} \times \frac{2}{5} \times \frac{2}{25}\right)$

$.305 \times 125 - .666\left(\frac{16}{875}\right) = 38.125 - .012 = 38.113$

lipid = $\frac{38.113}{1,2420} = 30.687$

wet = $\frac{38.113}{22.90} = 1.664$

T-1-♂-F-10 $\left(\frac{1.46}{7} \times 5 \times \frac{25}{2}\right) - \left(\frac{2.33}{7} \times 2\right)\left(\frac{7}{7} \times \frac{2}{5} \times \frac{2}{25}\right)$

$125 \times .1043 - .666\left(\frac{4}{125}\right) = 13.038 - .021 = 13.017$

lipid = $\frac{13.017}{1,0155} = 12.825$

wet = $\frac{13.017}{1452} = 8.965$

T-2-♀-F-21

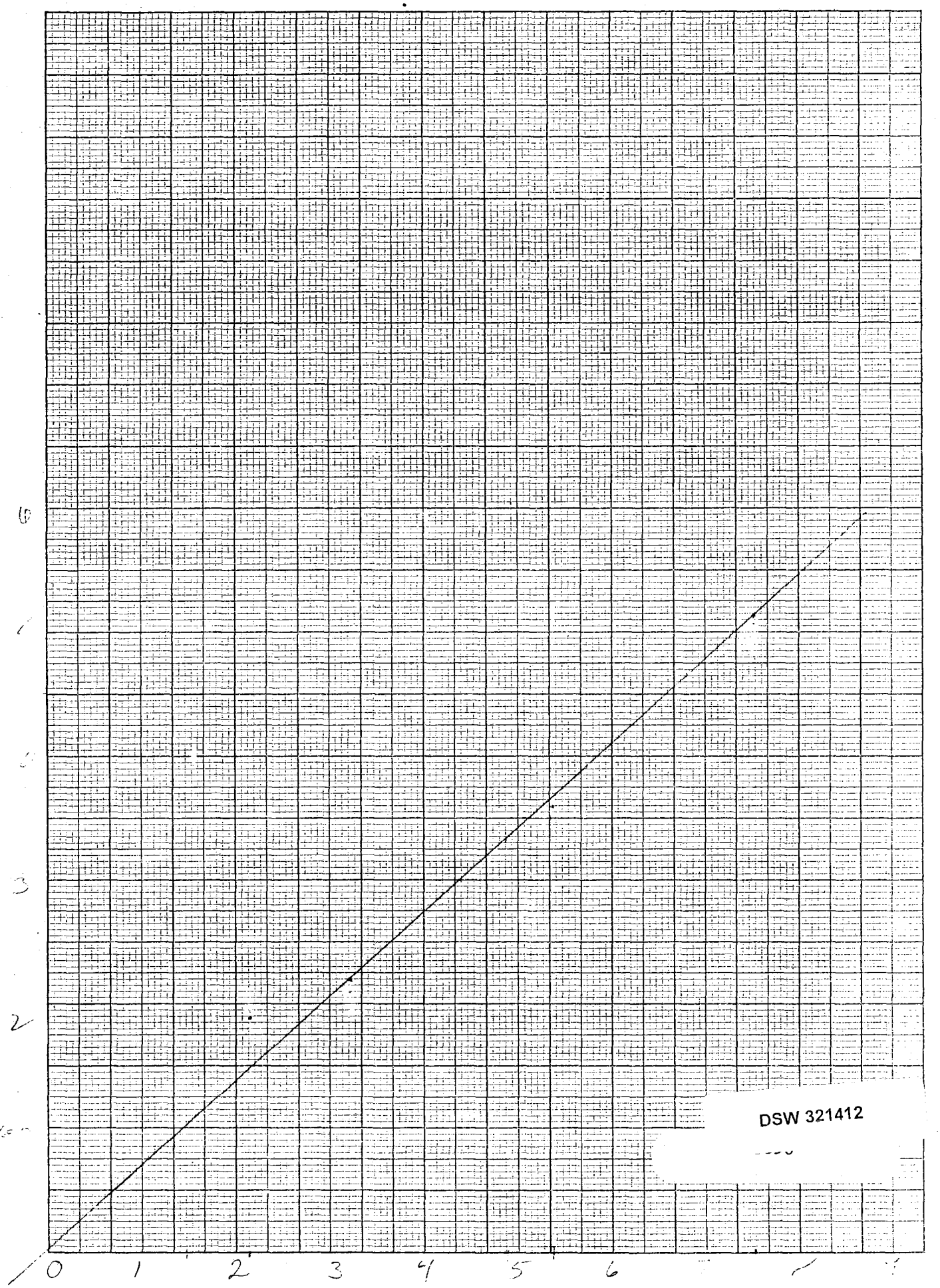
$\left(\frac{4.88}{3} \times 5\right) - \left(\frac{2.33}{7} \times 2\right)\left(\frac{3}{7} \times \frac{2}{5}\right)$

$(1.6275 - .666(4/35) = 8.135 - .142 = 7.993$

lipid = $\frac{7.993}{1.1063} = 7.225$

wet = $\frac{7.993}{1.877} = 4.258$

DSW 321411



KE 10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

STLCOPCB4073063

90 day dogs 12-21-71
1016 fed 402B

1016

µl	mg	Area
2	2.146	860
4	4.292	1575
6	6.438	2314
7	7.511	2375
3	3.219	1192
5	5.365	1850

1) T-1-♀-M-14
5 µl 2 ml — 2439 7.00

2) T-1-♀-F-14
7 µl 2 ml — 2765 8.00

3) T-1-♂-L-10
3 µl 5 ml 2/10 700 1.63

4) T-2-♀-L-21 ← ? Not labelled well 5.3
3 µl 5 ml — 1920

5) T-2-♂-L-19
2.5 µl 5 ml 1/10 818 1.98

Blank 12/8 (1,2)

12/13 (3,4,5)

DSW 321413

STLCOPCB4073064

$\frac{2.73}{8.4} \times 2 \quad .68 = 5$

T-1-Q-M-14

$\left(\frac{7.00}{5} \times 2\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{2}\right)$

$2.80 - (.312) = 2.488$

lipid $= \frac{2.488}{2.0104} = 1.238$

wet $= \frac{2.488}{39.19} = .0635$

T-1-Q-F-14 $\left(\frac{8.00}{7} \times 2\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{7}{5} \times \frac{2}{2}\right)$

$2.286 - (.312)(1.4) = 2.286 - .437 = 1.849$

lipid $= \frac{1.849}{1.0020} = 1.845$

wet $= \frac{1.849}{1.3284} = 1.3919$

T-1-S-L-10 $\left(\frac{1.63}{5} \times 5 \times \frac{10.5}{2}\right) - \left(\frac{2.73}{8} \times 2\right)\left(\frac{5}{8} \times \frac{2}{5} \times \frac{2}{10}\right)$

$8.15 - (.68)(.05) = 8.15 - .0340 = 8.12$

lipid $= \frac{8.12}{.3021} = 26.8785$

wet $= \frac{8.12}{19.43} = .4179$

T-2-O-L-21

$\left(\frac{5.37}{3} \times 5\right) - \left(\frac{2.73}{8} \times 2\right)\left(\frac{3}{8.4} \times \frac{2}{5}\right)$

$1.79(5) - (.6825)(.15) = 8.95 - .10 = 8.85$

lipid $= \frac{8.85}{.4887} = 18.109$

wet $= \frac{6.85}{41.91} = .211167$

T-2-S-L-19 $\left(\frac{1.96}{2.5} \times \frac{5.10}{1.5}\right) - \left(\frac{2.73}{8} \times 2\right)\left(\frac{2.5}{8} \times \frac{2}{5} \times \frac{1}{20}\right)$

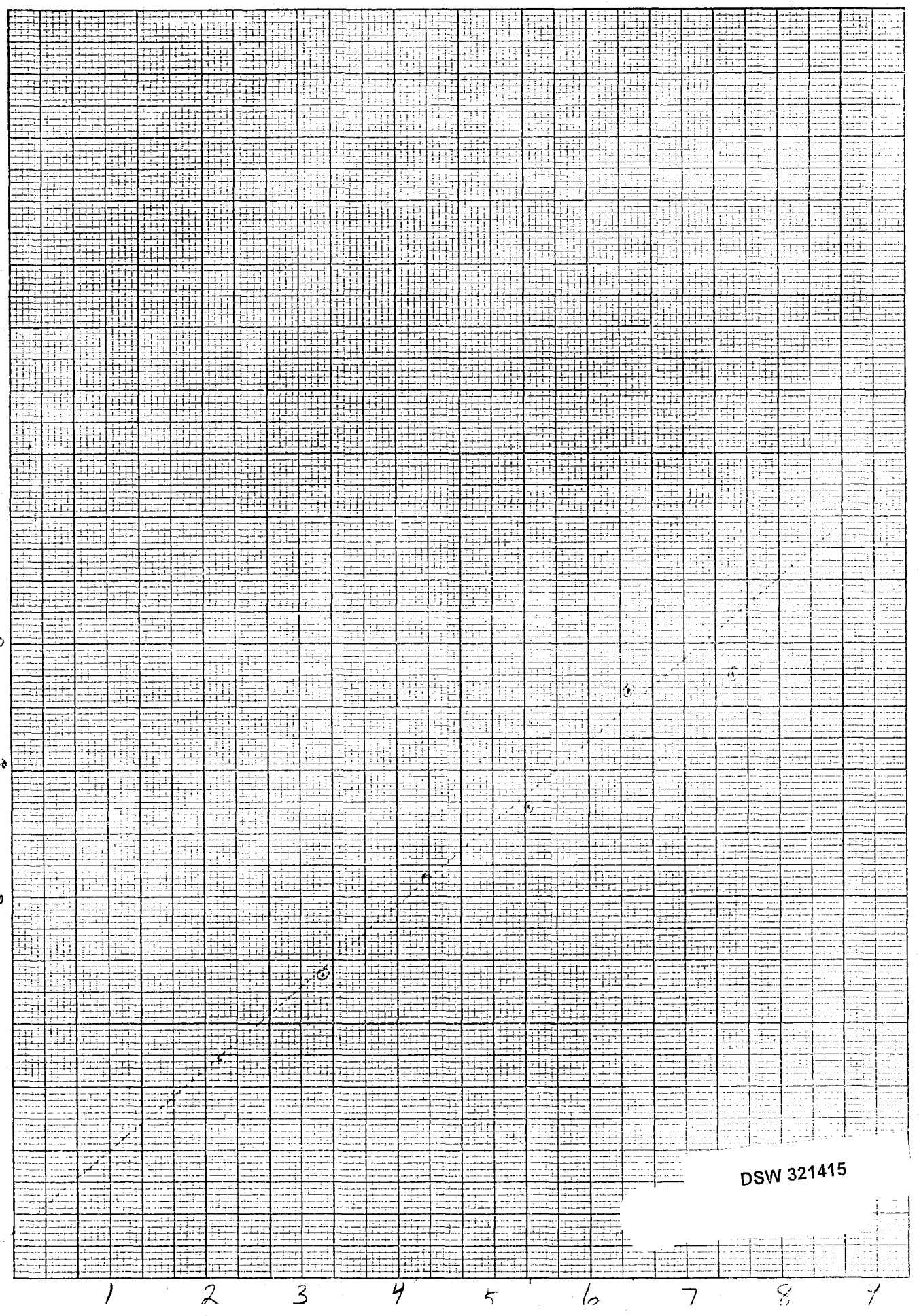
$39.6 - (.6825)(.0125) = 39.60$

lipid $= \frac{39.6}{.4414} = 89.7145$

wet $= \frac{39.6}{} = 1.1976$

DSW 321414

STLCOPCB4073065



STLCOPCB4073066

12-24-71 · 90 Day dogs
1016

1016

ul	avg	Area	pk ht
2	2.146	1046	
7	7.511	2778	
3	3.214	1633	
5	5.365	2308	

Blk 12/13
8 µl 2 ml — 1300 2.73

Blk 12/22
8 µl 2 ml — 1039 2.07

T-3-9-L-30
4 µl 5 ml — 1508 3.28

T-1-9-L-14
7 µl 5 ml — 1689 3.73

T-3-9-L-30 $\left(\frac{3.28}{4} \times 5\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{4}{5} \times \frac{2}{5}\right)$

$.82 \times 5 - (.312)(8/25) = 4.10 - .10 = 4.00$

lipid = $\frac{4.00}{.3936} = 10.163$

wet = $\frac{4.00}{33.61} = .1190$

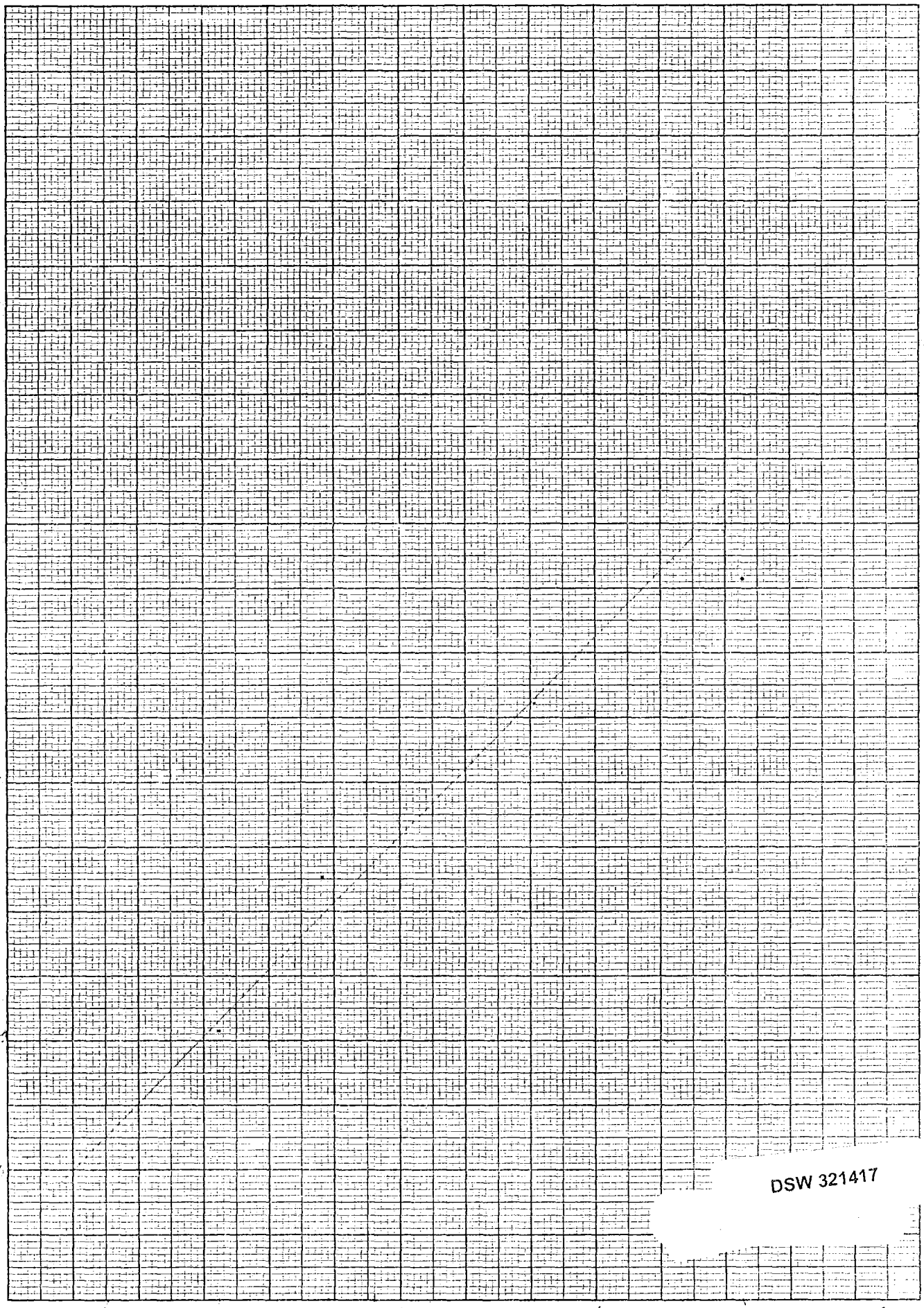
T-1-9-L-14 $\left(\frac{3.73}{7} \times 5\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{7}{5} \times \frac{2}{5}\right)$

$.5328 - (.312)(14/25) = .533 - .175 = .35$

lipid = $\frac{.35^{g}}{.5073} = .7057$

wet = $\frac{.35^{g}}{28} = .0124$

DSW 321416



10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 321417

12-21-71

1016

90 day days
1016 fed

µl	ng	Area
2	2.1146	1116
4	4292	2376
7	7,511	3270
3	3,219	1754
5	5,365	2481

T-1-♀-L-14
7 µl 5 ml — 2335 1/1 4.33

T-2-♀-M-21
4 µl 5 ml 2:10 2320 1/2 4.30

T-2-♂-M-19
6 µl 5 ml 2:10/1:50 1065 1/3 2.10

T-1-♀-L-14

$$\left(\frac{4.33}{7}\times 5\right)-\left(\frac{1.78}{5}\times\frac{2}{7}\left(\frac{7}{5}\times\frac{2}{5}\right)\right)$$

$\frac{21.65}{7}$ − $(.312)\left(\frac{14}{25}\right) = 3.093 - .175 = 2.918$

lipid = $\frac{2.918}{6.5073} = 5.752$

wet = $\frac{2.918}{28.83} = .1012$

T-2-♀-M-21 $\left(\frac{4.30}{4}\times 5\times\frac{10}{2}\right)-\left(\frac{2.33}{7}\times 2\right)\left(\frac{4}{7}\times\frac{2}{5}\times\frac{7}{5}\right)$

$1.075\times 25 - \frac{2.33}{49}\times\frac{16}{25} = 26.875 - \frac{37.28}{1225} = 27.875 - .030 = 27.845$

lipid = $\frac{27.845}{1.3900} = 20.032$

wet = $\frac{27.845}{35.18} = .7915$

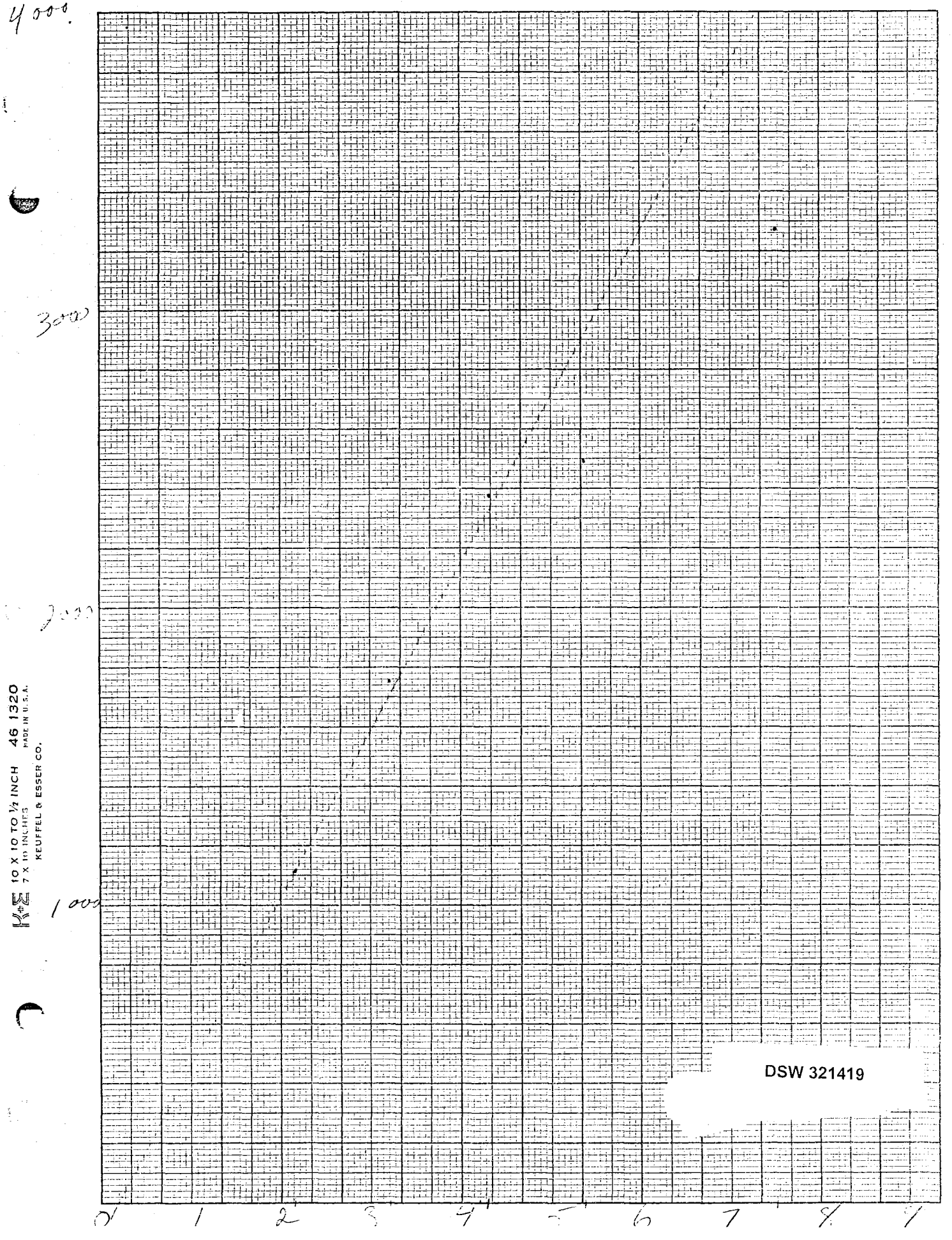
T-2-♂-M-19 $\left(\frac{2.10}{6}\times 5\times\frac{500}{2}\right)-\left(\frac{2.33}{7}\times 2\right)\left(\frac{6}{7}\times\frac{2}{5}\times\frac{1}{5}\right)$

$.70\times 625 - \frac{2.33}{49}\times\frac{16}{625} = 437.5 - \frac{27.96}{30625} = 437.5 - 0$

lipid = $\frac{437.5}{2.8084} = 155.78$

wet = $\frac{437.5}{26.67} = 16.367$

DSW 321418


4000.
3000
2000
1000
0
1
2
3
4
5
6
7
8
9
10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES
KEUFFEL & ESSER CO.
MADE IN U.S.A.

DSW 321419

90 day Dogs
221

Aroclor 1260 1.2/17/71

ul	mg	Area
2	2.185	3708
8	8.740	11668
5	5.4625	9794
3	3.2862	6261
6	6.555	9914
4	4.370	7363

Blk D-6
8 µl 2 ml — 2791 Blk 1.43 mg

Cont ♀-M-6
8 µl 2 ml — 4368 12/6 2.43

Cont ♀-L-6
5 µl 2 ml — 2945 12/ 1.52

Cont-♀-F-6
8 µl 2 ml — 5330 12/6 3.05

Cont ♂-L-3
8 µl 3 ml — 3714 12/7 2.02

T-1-♀-M-15
7 µl 5 ml 2:10 4550 12/7 2.55

T-2-♀-M-22
4 µl 2 ml — 7386 12/8 4.32

T-2-♀-L-22
7 µl 2 ml — 6210 12/8 3.60

T-3-♂-M-27
3 µl 5 ml — 6676 12/8 3.87

T-3-♂-L-27
[illegible] 5[illegible] [illegible] 3.77

DSW 321420

STLCOPCB4073071

$\frac{.48}{5} \times 2 = .192$

Cont 9-M-6 $\left(\frac{2.43}{84} \times 2\right) - \left(\frac{.48}{5} \times 2\right)\left(\frac{8}{5} \times \frac{2}{2}\right)$

$.607 - (.192)(1.60) = .607 - .307 = .300$

lipid $= \frac{.300}{1.0423} = .288$

wet $= \frac{.300}{15.91} = .0189$

---

cont-9-L-6 $\left(\frac{1.53}{5} \times 2\right) - \left(\frac{.46}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{2}\right)$

$.612 - (.192) = .420$

lipid $= \frac{.420}{.4960} = .857$

wet $= \frac{.420}{28.85} = .01456$

---

cont-9-I-6 $\left(\frac{3.05}{84} \times 2\right) - \left(\frac{.46}{5} \times 2\right)\left(\frac{8}{5} \times \frac{2}{2}\right)$

$.761 - (.192)(1.6) = .761 - .307 = .454$

lipid $= \frac{.454}{.868} = .523$

wet $= \frac{.454}{1.0258} = .443$

Cont-8-L-3

$\left(\frac{2.02}{8} \times 3\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{8}{5} \times \frac{2}{3}\right)$

$.758 - (.08)\left(\frac{16}{15}\right) = .756 - .152 = .606$

lipid $= \frac{.606}{.4749} = 1.276$

wet $= \frac{.606}{34.50} = .01757$

DSW 321421

I-1-9-M-15

$\left(\frac{2.55}{7} \times 5 \times \frac{10}{2}\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{7}{5} \times \frac{2}{5} \times \frac{2}{10}\right)$

$.364 \times 25 - (.08)\left(\frac{14}{125}\right) = 9.100 - .009 = 9.091$

lipid $= \frac{9.091}{1.2958} = 7.0137$

STLCOPCB4073072

T-2-♀-M-22

$\left(\frac{4.32}{4} \times 2\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{4}{5} \times \frac{2}{2}\right)$

$2.16 \quad -(.312)(.8) = 2.16 - .250 = 1.91$

lipid $= \frac{1.91}{2.5375} = .753$

wet $= \frac{1.91}{49.72} = .0384$

T-2-♀-L-22

$\left(\frac{3.60}{7} \times 2\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{7}{5} \times \frac{2}{2}\right)$

$(.5142) - (312)(1.4) = 1.028 - .437 = .591$

lipid $= \frac{.591}{.2667} = 2.306$

wet $= \frac{.591}{34.33} = .01627$

T-3-♂-M-27

$\left(\frac{3.87}{3} \times 5\right) - \left(\frac{.78}{3} \times 2\right)\left(\frac{3}{5} \times \frac{2}{5}\right)$

$(1.295) - (.312)(.24) = 6.45 - .07 = 6.38$

lipid $= \frac{6.38}{2.5890} = 2.464$

wet $= \frac{6.38}{41.48} = .1538$

T-3-♂-L-27

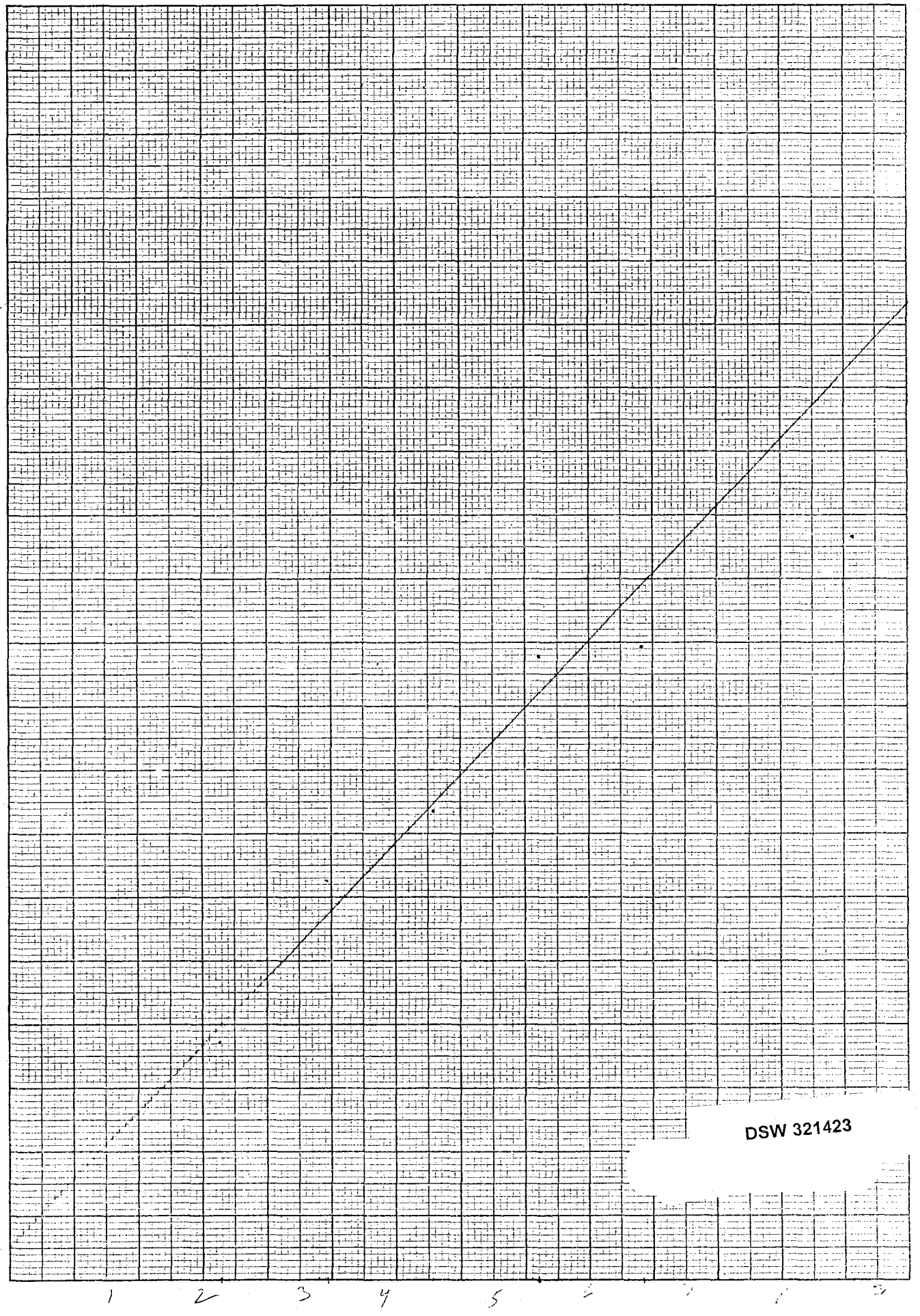
$\left(\frac{2.87}{2} \times 5\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{2}{5} \times \frac{2}{5}\right)$

$(2.87 \times 2.5) - (.312)(.16) = 7.175 - .05 = 7.125$

lipid $= \frac{7.125}{.3609} = 19.742$

wet $= \frac{7.125}{30.54} = .2333$

DSW 321422



KE 10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

STLCOPCB4073074

12-16-71 Dogs. 1221

1260

µl	ng	Area
2	2.485	2707
8	8.740	7923
3	3.276	4127

T-2-♂-M-20
7 µl 3.5 ml — 5130 4.17

Con-♂-3-F
5 µl 2 ml — 434 .27

Con-M-3-♂
5 µl 2 ml — 4931 3.98

Blk 12/8
5 µl 2 ml — 1040 .78

Blk 12/6
5 µl 2 ml — 685 .48

Blk 12/7 (1, 2, 3)

DSW 321424

STLCOPCB4073075

T-2-δ-M-20

$\left(\frac{4.17}{7} \times 3.5\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{7}{5} \times \frac{2}{3.5}\right)$

$(4.17)(.5) \quad (.08)\left(\frac{2}{2.5}\right) = 2.085 - .064 = 2.021$

lipid = $\frac{2.021}{2.6054} = .7757$

wet = $\frac{2.021}{50.16} = .04029$

Con-δ-3-F

$\left(\frac{.27}{5} \times 2\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{2}\right)$

$.054 \times 2 - \frac{.4}{5} = .108 - .08 = .028$

lipid = $\frac{.028}{1.218} = .02299$

wet = $\frac{.028}{1.452} = .01928$

Con-M-3-δ

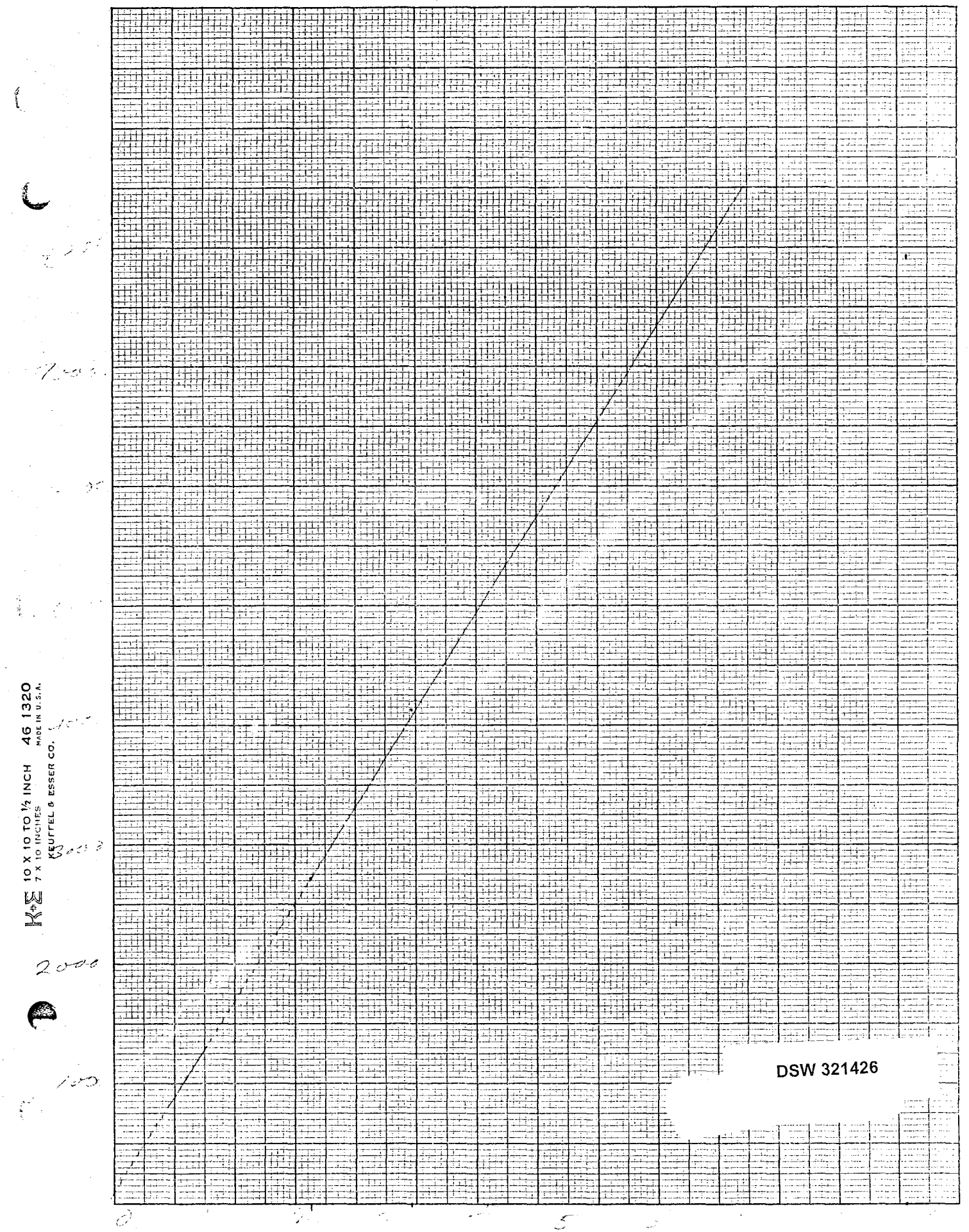
$\left(\frac{3.98}{5} \times 2\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{2}\right)$

$.796 - \frac{.4}{5} = .796 - .08 = .716$

lipid = $\frac{.716}{1.3794} = .519$

wet = $\frac{.716}{34.85} = .02055$

DSW 321425



DSW 321426

STLCOPCB4073077

90 Day Page 1221

1260

µl	mg	Area
2	2.185	3874 and 4127
8	8.740	10958
6	6.555	9100
3	3.276	5600
7	7.6454	10150
5	5.462	8232

T-3-♀-M-30
6µl 5ml 2:10 2833 1.22

T-1-♀-L-15
5µl 5ml 2:10 3297 1.60

T-1-♀-F-15
6µl 5ml 1:10 3207 1.54

T-3-♀-L-30
6µl 5ml 2:10 2544 .97

T-3-♀-F-30
5µl 5ml 2:10 2949 1.32

T-2-♂-L-20
6µl 5ml — 3887 2.12

T-2-♂-F-20
5µl 2ml — 4009 2.32

12/8 (1,4,5)
12/7 (2,3,6,7)

DSW 321427

STLCOPCB4073078

$\left(\frac{.78}{5} \times 2\right) = .312$

T-3-9-M-30

$\left(\frac{1.22}{6_3} \times 5 \times \frac{10}{2}\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{6}{5} \times \frac{2}{5} \times \frac{2}{5}\right)$

$.407 \times 12.5 - .312\left(\frac{12}{125}\right) = 5.087 - (.312)(.096) = 5.087 - .030 = 5.057$

lipid $= \frac{5.057}{1.0844} = 4.663$

wet $= \frac{5.057}{27.84} = .1816$

T-1-9-L-15

$\left(\frac{1.60}{5} \times 5 \times \frac{10}{1}\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{5} \times \frac{2}{10}\right)$

$8.00 - .08 \times .25 = 8.00 - (.08)(.08) = 8.00 - .01 = 7.99$

lipid $= \frac{7.99}{.4359} = 18.3299$

wet $= \frac{7.99}{32.54} = .2455$

T-1-9-F-15

$\left(\frac{1.54}{6_3} \times 5 \times \frac{10}{1}\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{6}{5} \times \frac{2}{5} \times \frac{1}{10}\right)$

$.515 \times 25 - (.08)\left(\frac{9}{125}\right) = 12.875 - .002 = 12.873$

lipid $= \frac{12.873}{1.112} = 11.576$

wet $= \frac{12.873}{1.434} = 8.977$

T-3-9-L-30

$\left(\frac{.97}{6_3} \times 5 \times \frac{10}{2}\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{6}{5} \times \frac{2}{5} \times \frac{2}{10}\right)$

$.323 \times 12.5 - (.312)\left(\frac{12}{125}\right) = 4.038 - .030 = 4.008$

lipid $= \frac{4.008}{.3936} = 10.1829$

wet $= \frac{4.008}{33.61} = .1193$

DSW 321428

T-3-9-1=30

$\left(\frac{1.32}{5} \times 5 \times \frac{10}{2}\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{5} \times \frac{2}{10}\right)$

$6.60 - (.312)(.08) = 6.60 - .02 = 6.58$

lipid $= \frac{6.58}{1.1850} = 5.553$

wet $= \frac{6.58}{1.9725} = 3.336$

T-2-9-L-26

$\left(\frac{2.12}{6} \times 5\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{6}{5} \times \frac{2}{5}\right)$

$1.767 - (.08)(.48) = 1.767 - .038 = 1.729$

lipid $= \frac{1.729}{0.2864} = 6.037$

wet $= \frac{1.729}{26.57} = .06507$

T-2-9-F-20

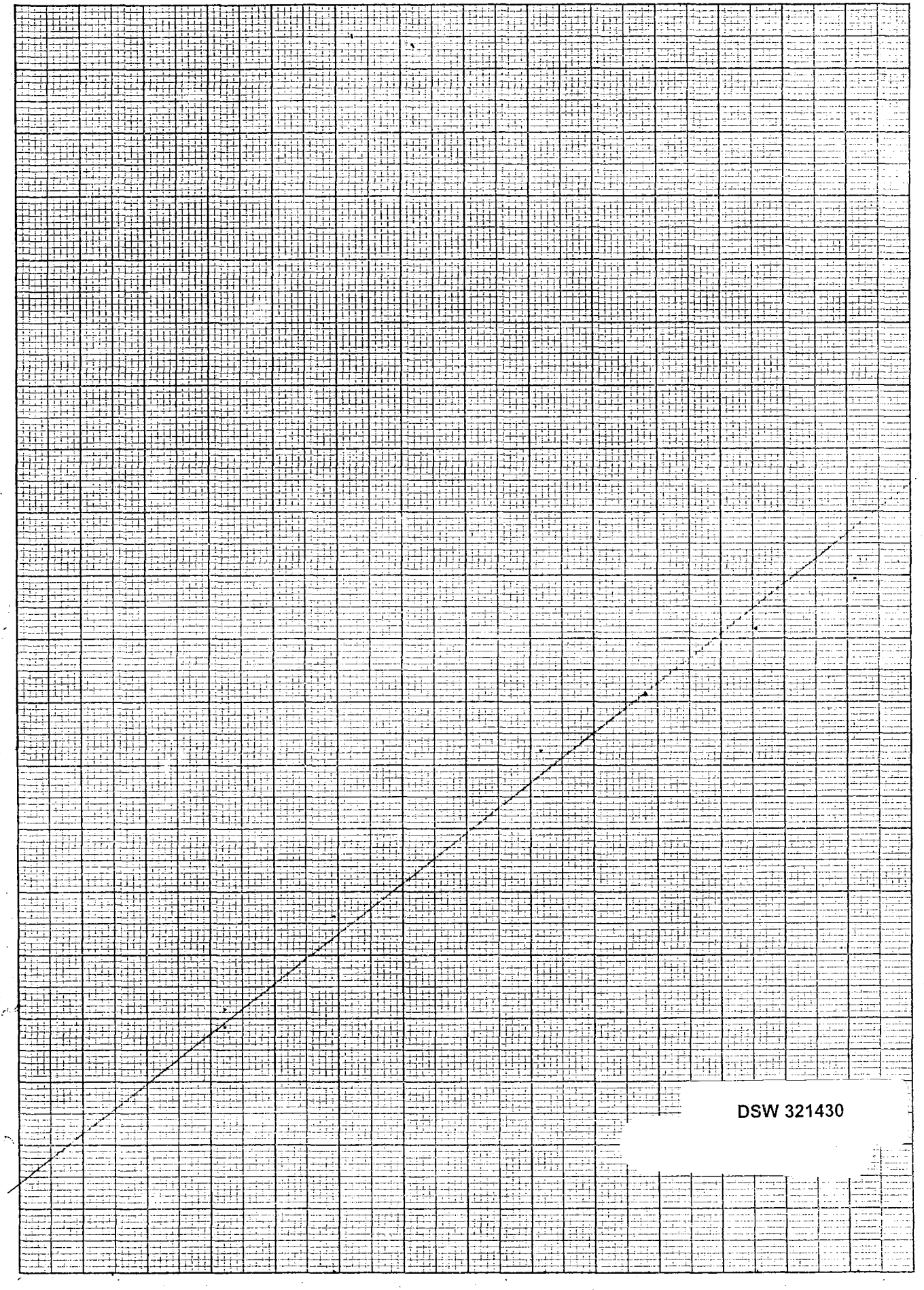
$\left(\frac{2.32}{5} \times 2\right) - \left(\frac{.2}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{2}\right)$

$2.32 \times .4 - (.08) = .928 - .08 = .920$

lipid $= \frac{.920}{1.071} = .859$

wet $= \frac{.920}{1.319} = .6975$

DSW 321429



KE 10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

90 Day Dogs 6/22/21

1260

ul	ng	Area
5	5,462	5261
2	2,185	2322
8	8,740	8378
3	3,276	4291
6	6,555	7266

1) T-1-δ-L-11
5µl 2ml — 1821 1.30

2) T-1-δ-M-11
5µl 5ml — 3146 2.66

3) T-3-δ-F-27
5µl 5ml 1:10 3399 2.9

4) T-2-9-F-22
5µl 5ml — 2058 1.57

Blk 12/7
5µl 2ml — 786 .20

BR 12/7 (1, 2)

BR 12/8 (3, 4)

DSW 321431

90 Day Dogs
1221

T-1-♂ L-11

$\left(\frac{1.30}{5} \times 2\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{2}\right)$

$.26 \times 2 - .04 \times 2 = .52 - .08 = .44$

lipid $= \frac{.44}{0.3251} = 1.353$

wet $= \frac{.44}{26.81} = .0164$

T-1-♂ 11-M

$\left(\frac{2.66}{5} \times 5\right) - \left(\frac{.20}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{5}\right)$

$2.66 - .08 \times .40 = 2.66 - .032 = 2.63$

lipid $= \frac{2.63}{0.0963} = 27.310$

wet $= \frac{2.63}{14.50} = .1814$

T-3-♂-F-27

$\left(\frac{2.93}{5} \times 5\right)\left(\frac{10}{1}\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{5} \times \frac{1}{10}\right)$

$29.30 - (.312)\left(\frac{1}{25}\right) = 29.30 - .012 = 29.29$

lipid $= \frac{29.29}{4.722} = 6.2029$

wet $= \frac{29.29}{5.544} = 5.283$

T-2-♀-F-22

$\left(\frac{1.57}{5} \times 5\right) - \left(\frac{.78}{5} \times 2\right)\left(\frac{5}{5} \times \frac{2}{5}\right)$

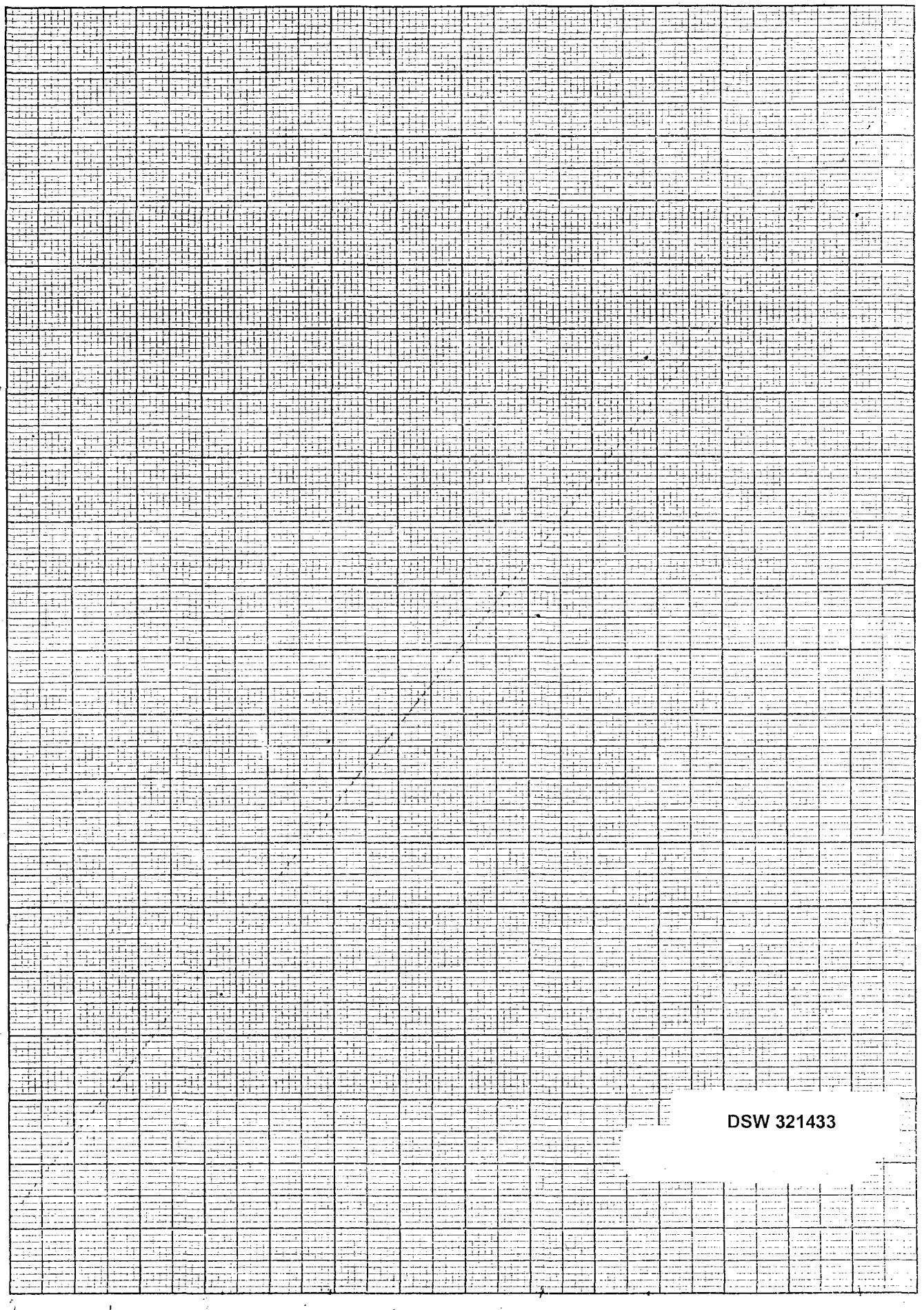
$1.57 - (.312)(.40) = 1.57 - .12 = 1.45$

lipid $= \frac{1.45}{1.2060} = 1.2023$

wet $= \frac{1.45}{} = .8214$

DSW 321432

STLCOPCB4073083



DSW 321433

KE 10 X 10 TO ½ INCH 46 1320
7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

90 day Sub Acute Toxicity Studies with Beagle Dogs

Controls, Blanks, 1221, 1016

Will require sep H_2SO_4 opt

DSW 321434

90 day Sub Acute Toxicity Studies with Rats

Controls

Contains 1221 residues ?
terphenyls ?

Will require SO_3, H_2SO_4 ept

DSW 321435

This packet contains . .

2 samples from the 90 day Sub Acute Toxicity Studies with Rats before & after Sap. H_2SO_4 ept

→ Remaining samples will require ← Sap & H_2SO_4 ept.

DSW 321436