Pydraul Analysis

MCS - 1436-107 (Hydrocarbon Oil ~ 70% + Hydrog. Quatraphenyl)
D. 9819/25 mls

2 µl injected { as 1242 - < 4.0 ppm (Blank - 2.2 ppm)
" 1254 - < 3.5 ppm (Blank - 0.63 ppm)

9 µl injected { as 1242 - 0.315 (Blank - 0.125 ppm)
as 1254 - 0.175 (Blank - 0.056 ppm)

SANT 141-127 D. 208 g
as 1242 - none detected (Blank - 2.2 ppm)
as 1254 - 0.111 ppm (Blank - 0.63 ppm)

SANT 711-104 D. 2010 g.
as 1242 - none detected (Blank - 2.2 ppm)
as 1254 - none detected (Blank - 0.63 ppm)

S-140-124 0.2009 g.
as 1242 - none detected (Blank - 2.2 ppm)
as 1254 - none detected (Blank - 0.63 ppm)

NCP 303 0.2059 g
as 1242 - 2.166 ppm (Blank - 2.2 ppm)
as 1254 - 0.544 ppm (Blank - 0.63 ppm)

NC 220-335 D. 2007 g
as 1242 - 11.554 ppm (Blank - 2.2 ppm)
as 1254 - 0.717 ppm (Blank - 0.63 ppm)

Pydraul 50E - QD 14316 (5/23/74) D. 2041 g
as 1242 - 2.06 ppm (Blank - 2.2 ppm)
as 1254 - 0.355 ppm (Blank - 0.63 ppm)

Pydraul 50E - QD 13430 (5/14/74) D. 1982 g.
as 1242 - none detected (Blank - 2.2 ppm)
as 1254 - none detected (Blank - 0.63 ppm)

DSW 298719

STLCOPCB4068632

Pydraul 50E - QD 20450 (7/24/74)
as 1242 - 1.35 ppm (Blank - 2.2 ppm)
as 1254 - 0.318 ppm (Blank - 0.63 ppm)

Pydraul 50E - QD 25620 (9/13/74) 0.2005g
as 1242 - 0.5 ppm (Blank - 2.2 ppm)
as 1254 - none detected (Blank - 0.63 ppm)

Pydraul 50E - QD 32605 (11/22/74)
as 1242 - none detected (Blank - 2.2 ppm) } 0.2023g
as 1254 - 0.262 ppm (Blank - 0.63 ppm)
as 1242 - 0.36 ppm (Blank - 0.125 ppm) } 1.0051g.
as 1254 - 0.17 ppm (Blank - 0.036 ppm)

Pydraul 50E - QE 02300 (1/13/75) 0.1964 g
as 1242 - 0.28 ppm (Blank - 2.2 ppm)
as 1254 - 0.150 ppm (Blank - 0.63 ppm)

Pydraul 50E - QE 07700 (3/19/75) 0.2016g.
as 1242 - 0.228 ppm (Blank - 2.2 ppm)
as 1254 - 0.5 ppm (Blank - 0.63 ppm)

Pydraul 50E - QE 18300 (7/3/75) 0.1992
as 1242 - none detected (Blank - 2.2 ppm)
as 1254 - 0.02 ppm (Blank - 0.63 ppm)

Pydraul 312C - QD 10000 (4/10/75) 0.2011g
as 1242 - 3.35 ppm (Blank - 2.2 ppm)
as 1254 - 1.3 ppm (Blank - 0.63 ppm)

Pydraul 312C - QD 15810 (6/7/74) 0.2171g
as 1242 - 3.54 ppm (Blank - 2.2 ppm)
as 1254 - 1.6 ppm (Blank - 0.63 ppm)

Pydraul 312C - QD 23125 (8/19/74) 0.2045g
as 1242 - 1.315 ppm (Blank - 2.2 ppm)
as 1254 - 0.924 ppm (Blank - 0.63 ppm)

DSW 298720

STLCOPCB4068633

Pydraul 312C – QD 29435 (10/21/74) 0.2172 g
as 1242 – 4.8 ppm (Blank – 2.2 ppm)
as 1254 – 1.57 ppm (Blank – 0.63 ppm)

Pydraul 312C – QD 35330 (12/20/74) 0.2033 g
as 1242 – 4.6 ppm (Blank – 2.2 ppm)
as 1254 – 1.28 ppm (Blank – 0.63 ppm)

1.0148 g
as 1242 – 0.0066 ppm (Blank – 0.125 ppm)
as 1254 – 0.01 ppm (Blank – 0.036 ppm)

Pydraul 312C – QE 04415 (2/13/75) 0.1991 g
as 1242 – 8.11 ppm (Blank – 2.2 ppm)
as 1254 – 1.88 ppm (Blank – 0.63 ppm)

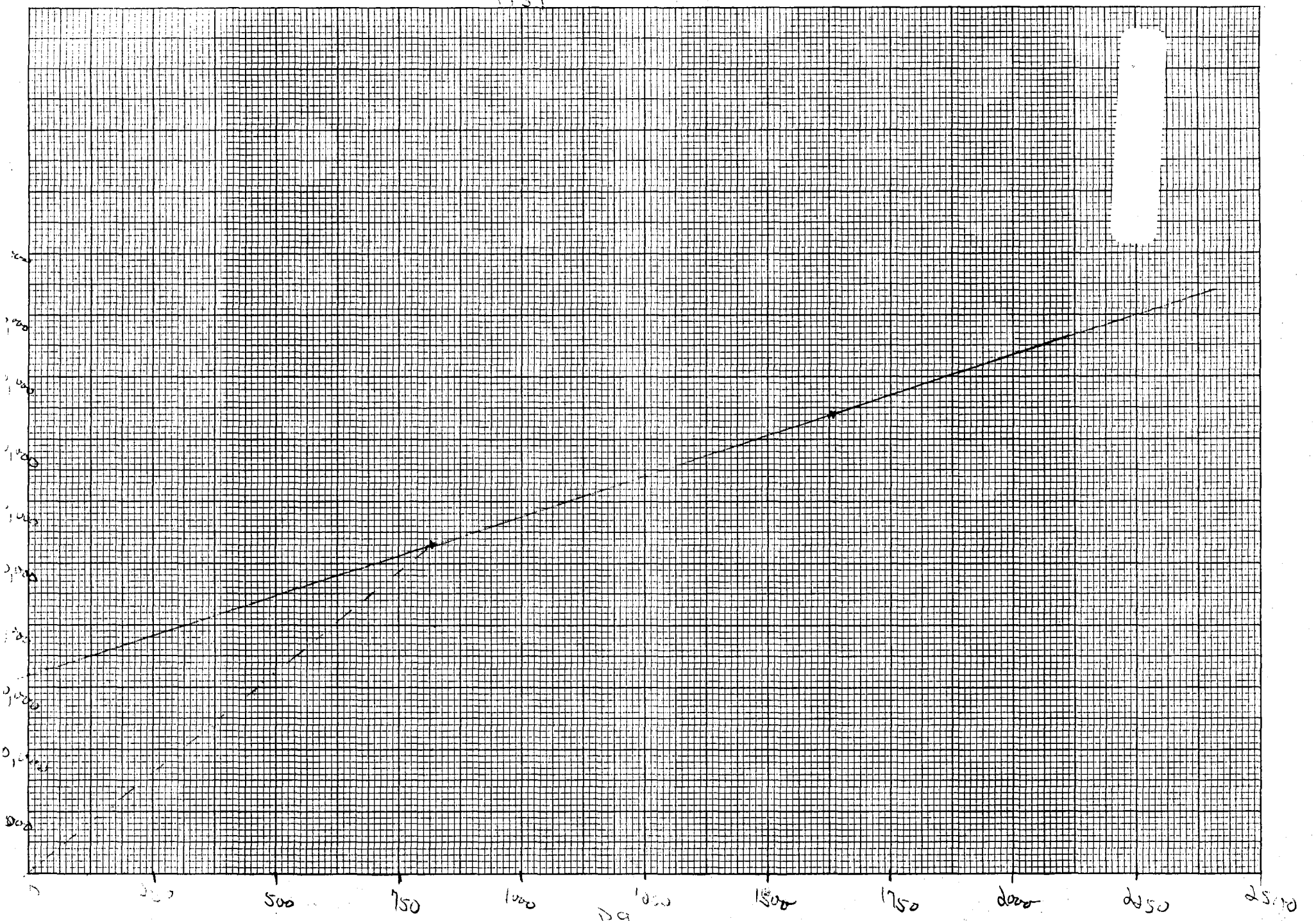
Pydraul 312C – QE 16900 (6/18/75) 0.1985
as 1242 – 2.04 ppm (Blank – 2.2 ppm)
as 1254 – 0.524 ppm (Blank – 0.63 ppm)

Pydraul 312C – QE 11425 (4/24/75) 0.2018
as 1242 – 2.22 ppm (Blank – 2.2 ppm)
as 1254 – none detected (Blank – 0.63 ppm)

DSW 298721

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

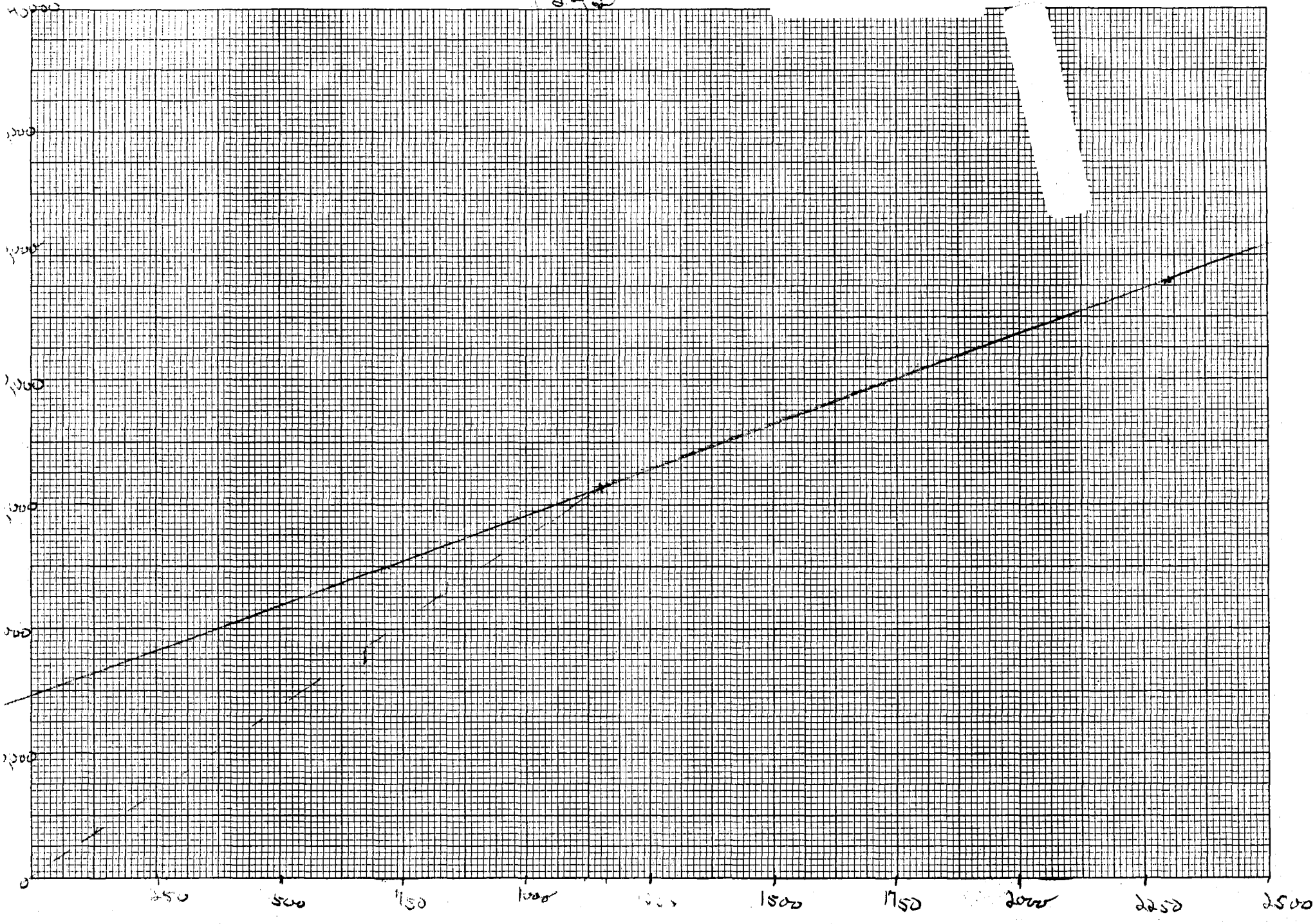
DSW 298722



STLCOPCB406635

K+E 7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 298723

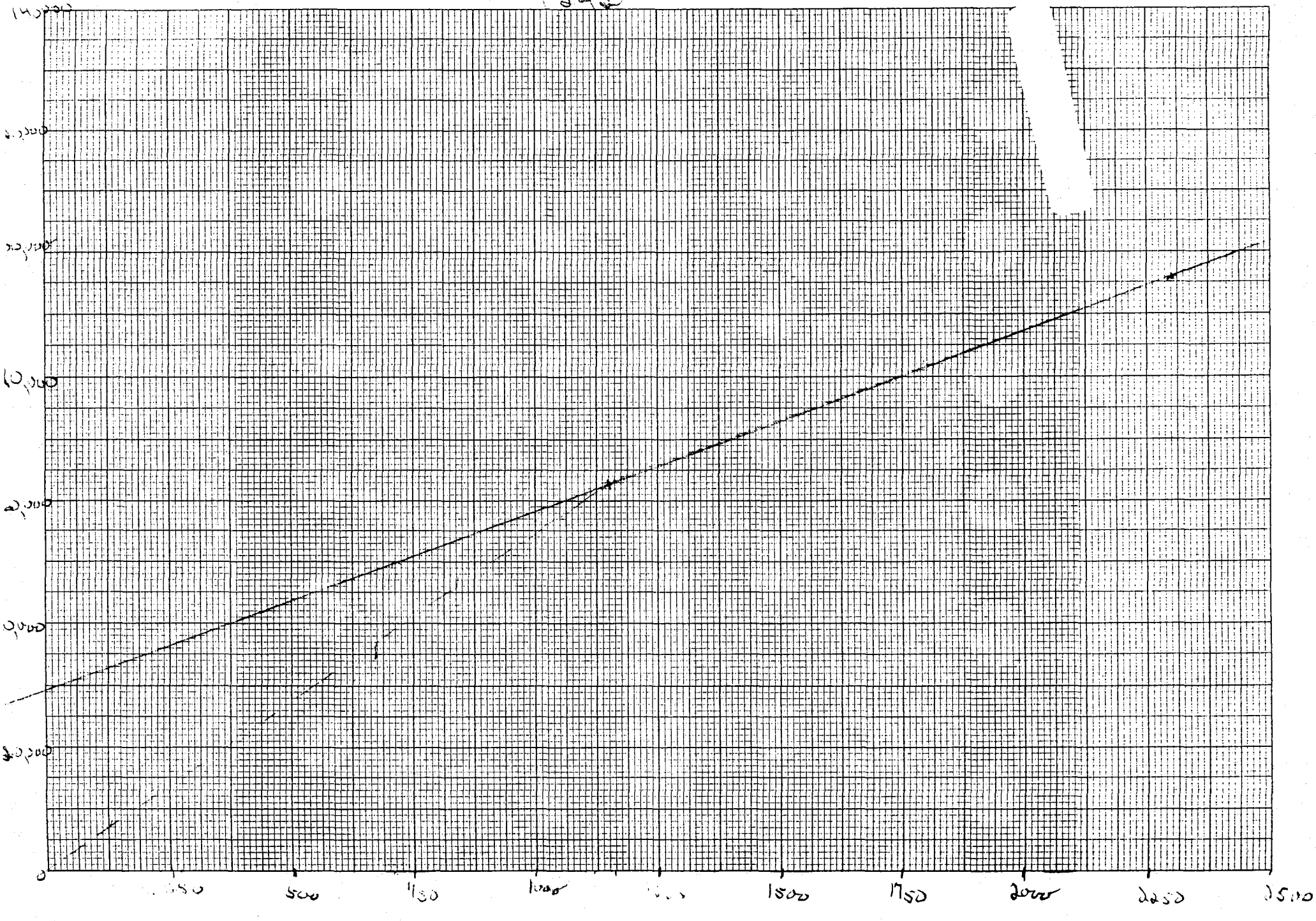


STLCOPCB4068636

K&E 7 X 10 INCHES MADE IN U.S.A.
KEUFFEL & ESSER CO.

DSW 298724

1242



STLCOPCB4068637

EPORT NO. 96 PYDRAUL

HAN# 4 METHOD: PCB4 SAMPLE: BLK 2

IN AR	MV/M	DLY	DVT	DIL-FTR%
250	.300	1.00	0.00	100.00

NDED NOT ON BL

RT	ITM	FACTOR	AREA	%	NAME
1.05		1.00000	503 BV	2.654	
1.80		1.00000	1193 BV	6.298	
2.16		1.00000	301 BV	1.588	
2.57		1.00000	670 VV	3.540	
2.74		1.00000	352 VV	1.856	
3.06		1.00000	544 VV	2.872	
3.32		1.00000	1345 VV	7.103	
3.48		1.00000	432 VB	2.279	
4.54		1.00000	379 VV	2.002	
4.67		1.00000	760 VB	4.012	
5.34		1.00000	387 BV	2.045	
5.83		1.00000	318 VV	1.681	
6.07		1.00000	1401 VV	7.394	
6.98		1.00000	378 VB	1.994	
7.58		1.00000	894 BV	4.721	
7.99		1.00000	1568 VV	8.277	
8.72		1.00000	279 VB	1.474	
9.98		1.00000	501 BV	2.644	
11.46		1.00000	552 BV	2.913	
11.68		1.00000	256 VB	1.351	
12.55		1.00000	638 BB	3.370	
13.64		1.00000	510 VB	2.690	
14.69		1.00000	697 BB	3.680	
16.19		1.00000	613 VV	3.234	
17.05		1.00000	1994 VB	10.525	
18.71		1.00000	564 BB	2.979	
20.17		1.00000	914 BF	4.826	

TOTAL AREA = 18941

DSW 298725

REPORT NO. 98 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: QD 3~~2~~605

5 µl of 5.6 mls

MIN AR	MV/M	DLY	DVT	DIL-FTR%
250	.300	1.00	0.00	100.00

ENDED NOT ON BL

RT	ITM	FACTOR	AREA		%	NAME
1.11		1.00000	627	BV	.765	
1.25		1.00000	1524	VV	1.861	
1.54		1.00000	5593	VV	6.826	
1.80		1.00000	837	VV	1.022	
2.13		1.00000	6711	VV	8.190	
2.30		1.00000	1072	VV	1.308	
3.03		1.00000	3200	VV	3.905	
3.31		1.00000	272	VB	.331	
3.99		1.00000	1101	BV	1.343	
5.03		1.00000	1212	VV	1.479	
5.39		1.00000	252	VB	.307	
6.12		1.00000	2624	BV	3.203	
6.95		1.00000	1127	VV	1.375	
7.10		1.00000	918	VB	1.120	
8.01		1.00000	1189	BV	1.451	
11.91		1.00000	305	BV	.372	
13.49		1.00000	7118	BV	8.687	
14.62		1.00000	27630	VV	33.722	
19.45		1.00000	18626	VF	22.732	

OTAL AREA = 81934

DSW 298726

EPORT NO. 97 PYDRAUL

HAN# 4 METHOD: PCB4 SAMPLE: QD 35330

5 µL of 5.6 mL

IN AR	MV/M	DLY	DVT	DIL-FTR%
250	.300	1.00	0.00	100.00

NDED NOT ON BL

RT	ITM	FACTOR	AREA		%	NAME
1.02		1.00000	364	BV	.235	
1.18		1.00000	2027	VV	1.305	
1.42		1.00000	4230	VV	2.723	
1.63		1.00000	2665	VV	1.715	
1.83		1.00000	11728	VV	7.549	
2.00		1.00000	5018	VV	3.230	
2.19		1.00000	11551	VV	7.435	
2.63		1.00000	5580	VV	3.592	
2.75		1.00000	7723	VV	4.971	
3.08		1.00000	6328	VV	4.073	
3.36		1.00000	13438	VV	8.650	
3.96		1.00000	6229	VV	4.010	
4.70		1.00000	1225	BB	.789	
5.30		1.00000	25902	BV	16.672	
7.09		1.00000	833	VV	.536	
7.21		1.00000	1098	VV	.706	
7.68		1.00000	1423	VV	.916	
7.81		1.00000	932	VV	.600	
8.20		1.00000	3617	VV	2.328	
8.52		1.00000	914	VV	.589	
8.93		1.00000	8364	VV	5.384	
10.38		1.00000	7484	VV	4.817	
12.49		1.00000	817	VV	.526	
13.19		1.00000	2115	VV	1.361	
13.48		1.00000	1036	VB	.667	
15.40		1.00000	13964	VV	8.988	
19.57		1.00000	6246	VV	4.021	
19.93		1.00000	2102	VB	1.353	
22.56		1.00000	403	VF	.260	

111910

146604

TOTAL AREA = 155355

DSW 298727

EPORT NO. 100 PYDRAUL

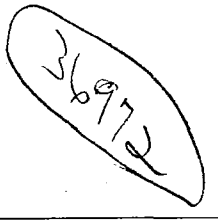
HAN# 4 METHOD: PCB4 SAMPLE: 107 8UL

IN AR	MV/M	DLY	DVT	DIL-FTR%
250	.300	1.00	0.00	100.00

NDED NOT ON BL

RT	ITM	FACTOR	AREA		%	NAME
1.24		1.00000	902	BV	.451	
1.31		1.00000	1268	VV	.634	
1.51		1.00000	648	VV	.324	
1.81		1.00000	1265	VV	.632	
2.00		1.00000	1922	VV	.961	
2.24		1.00000	1552	VV	.776	
2.54		1.00000	374	VV	.187	
2.82		1.00000	2072	VV	1.036	
3.22		1.00000	1215	VV	.607	
3.94		1.00000	815	BB	.407	
5.04		1.00000	945	BV	.472	
5.39		1.00000	6940	VV	3.469	
5.54		1.00000	12636	VV	6.316	
7.27		1.00000	2469	VB	1.234	
8.03		1.00000	1916	BB	.957	
9.08		1.00000	2777	BB	1.388	
10.36		1.00000	2618	BV	1.309	
10.65		1.00000	1855	VB	.927	
13.54		1.00000	118082	BV	59.022	
15.02		1.00000	563	VV	.282	
16.22		1.00000	17077	VV	8.536	
19.34		1.00000	9403	VV	4.700	
19.76		1.00000	5402	VV	2.700	
20.55		1.00000	2306	VV	1.152	
21.29		1.00000	939	VB	.469	
24.19		1.00000	619	BV	.310	
24.58		1.00000	1230	VV	.615	
25.32		1.00000	254	VF	.127	

OTAL AREA = 200065





DSW 298728

8/14

Second Run

Reagent Blank
5 µl of 3.3 mls

- as 1242 $\frac{190 pg \times 3.3 mls}{5 \mu l} = \frac{125 ng}{1g} = 0.125 ppm$

- as 1254 $\frac{55 pg \times 3.3 mls}{5 \mu l} = \frac{36 ng}{1g} = .036 ppm$

Hydraul 312C - QD35330 12/20/74

1.0148 g on the column

- as 1242 $\frac{2750 pg \times 5.6 mls}{5 \mu l} = 3080 ng - 125 = 2965 ng / 1.0148 = 2.9 ppm$

- as 1254 $\frac{450 pg \times 5.6 mls}{5 \mu l} = 504 ng - 36 = 468 / 1.0148 = 0.46 ppm.$

Hydraul 50-E - QD-32605 11/22/74

1.0051 g. on the column

- as 1242 $\frac{435 pg \times 5.6 mls}{5 \mu l} = 491 - 125 = 362 ng / 1.0051 = 0.36 ppm$

- as 1254 $\frac{185 pg \times 5.6 mls}{5 \mu l} = 207 - 36 = 171 ng / 1.0051 = 0.17 ppm.$

DSW 298729

STLCOPCB4068642

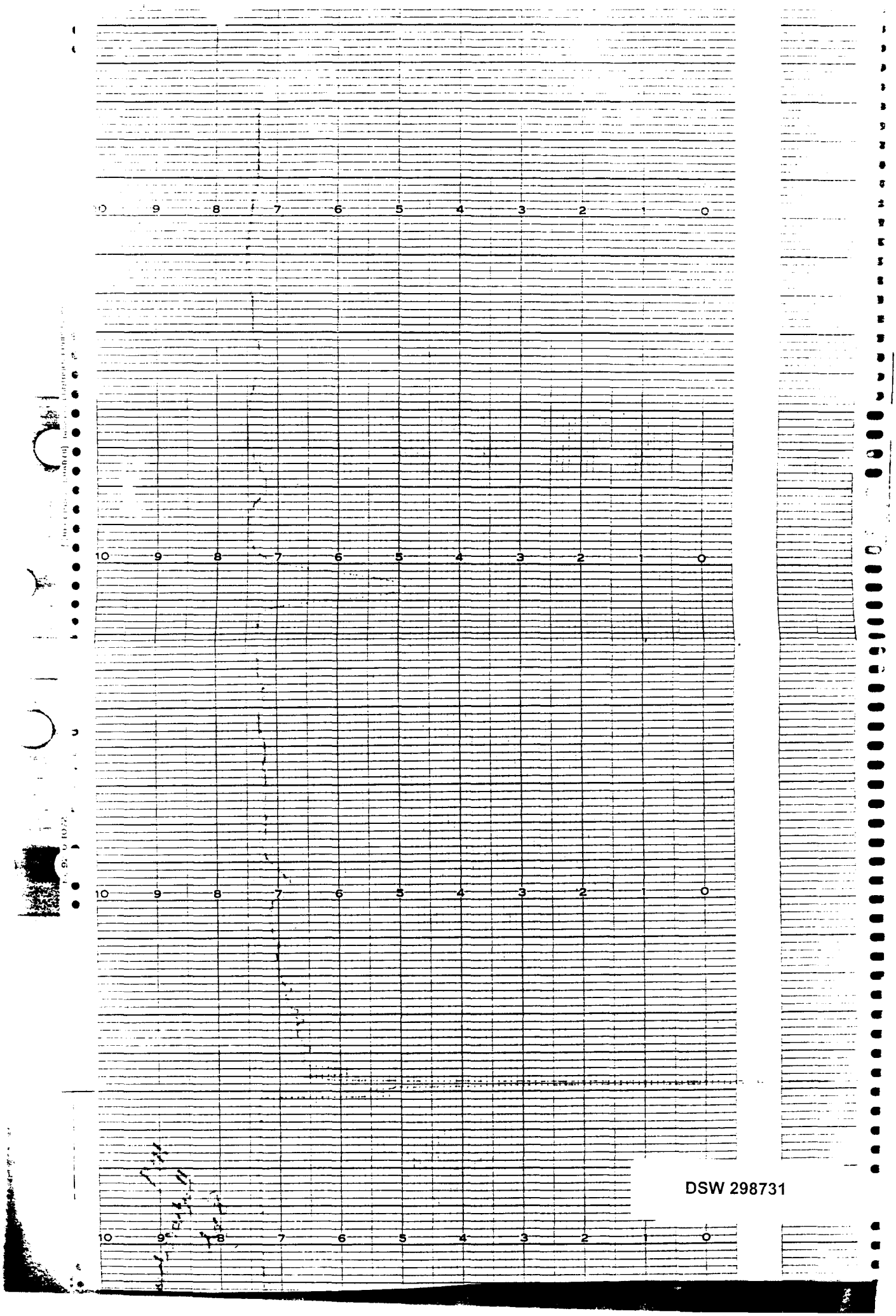
MCS - 1436-107 (Hydrocarbon Oil ~707 + Hydrog. Quaraphenol

0.9821g / 25ml 8µl directly injected

- as 1242 ~~118~~ 675 pg × 25ml / 8µl = ~~369~~ 2109 ng / 0.9821 = ~~0.375~~ 2.15 ppm

- as 1254 ~~55~~ 565 pg × 25ml / 8µl = ~~175~~ 1766 ng / 0.9821 = ~~0.175~~ 1.80 ppm

DSW 298730



STLCOPCB4068644

DSW 298732

REPORT NO. 70 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: NCP3035 µl of 5.4 ml.

MIN AR	MV/M	DLY	DVT	DIL-FTR%
250	.300	1.00	0.00	100.00

ENDED NOT ON BL

RT	ITM	FACTOR	AREA		%	NAME
1.38		1.00000	2820	VV	3.610	
1.62		1.00000	3176	VV	4.066	
1.79		1.00000	7828	VV	10.023	
2.12		1.00000	17440	VV	22.329	
3.04		1.00000	9323	VV	11.936	
3.34		1.00000	7516	VV	9.623	
3.96		1.00000	3408	VV	4.364	
4.38		1.00000	1123	VB	1.437	
4.71		1.00000	535	BV	.685	
5.34		1.00000	320	BV	.409	
6.18		1.00000	3435	VV	4.398	
7.03		1.00000	959	VB	1.227	
8.05		1.00000	284	BB	.364	
8.49		1.00000	2173	BV	2.782	
9.76		1.00000	474	BV	.606	
10.75		1.00000	3382	VV	4.330	
11.24		1.00000	742	VV	.950	
12.65		1.00000	1938	VV	2.482	
12.84		1.00000	254	VV	.325	
16.71		1.00000	1351	BV	1.729	
17.13		1.00000	2226	VV	2.850	
18.70		1.00000	1088	VV	1.393	
20.28		1.00000	1435	VV	1.838	
21.17		1.00000	667	VB	.853	
22.93		1.00000	1696	BB	2.171	
24.69		1.00000	1993	BV	2.551	
25.32		1.00000	522	VF	.668	

TOTAL AREA = 78104

5816?

70703

DSW 298733

REPORT NO. 69 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: S140-124

7µl of 6.5ml.

MIN AR	MV/M	DLY	DVT	DIL-FTR%
250	.300	1.00	0.00	100.00

ENDED NOT ON BL

RT	ITM	FACTOR	AREA		%	NAME
1.38		1.00000	583	VV	1.429	
1.63		1.00000	2420	VV	5.935	
1.80		1.00000	5185	VV	12.714	
2.16		1.00000	6962	VV	17.071	
2.37		1.00000	1212	VV	2.971	
2.45		1.00000	1975	VV	4.842	
3.07		1.00000	6018	VV	14.756	
3.35		1.00000	3603	VV	8.834	
3.56		1.00000	1236	VV	3.031	
4.35		1.00000	440	BV	1.079	
4.76		1.00000	1646	VB	4.037	
6.14		1.00000	2675	VB	6.559	
7.09		1.00000	294	BV	.721	
7.28		1.00000	815	VV	1.998	35,044
8.08		1.00000	2419	VB	5.930	
8.71		1.00000	264	BB	.647	
9.50		1.00000	297	BB	.729	
10.28		1.00000	306	BB	.750	
12.59		1.00000	757	BB	1.856	
13.45		1.00000	277	VV	.680	
13.81		1.00000	839	VV	2.057	
14.83		1.00000	270	VV	.663	
15.31		1.00000	290	VF	.711	

TOTAL AREA = 40782

total as 1254

DSW 298734

REPORT NO. 71 PYDRAUL

5 µl of 5 ml

CHAN# 4 METHOD: PCB4 SAMPLE: NC220325

MIN AR	MV/M	DLY	DVT	DIL-FTR%
250	.300	1.00	0.00	100.00

RT	ITM	FACTOR	AREA	%	NAME
1.25		1.00000	2902 BV	1.661	
1.40		1.00000	2557 VV	1.463	
1.65		1.00000	6980 VV	3.994	
1.79		1.00000	11131 VV	6.370	
2.14		1.00000	23958 VV	13.710	
2.38		1.00000	10021 VV	5.734	
3.08		1.00000	25282 VV	14.468	
3.35		1.00000	14829 VV	8.486	
3.62		1.00000	7873 VV	4.505	
3.84		1.00000	5304 VV	3.035	
4.00		1.00000	10597 VV	6.064	
4.41		1.00000	13641 VV	7.806	
5.32		1.00000	3873 VV	2.216	
6.17		1.00000	1114 BB	.637	
7.98		1.00000	2533 BV	1.449	142595
8.41		1.00000	1221 VV	.699	
10.72		1.00000	2545 VV	1.456	
11.18		1.00000	1104 VB	.632	
12.07		1.00000	359 BV	.205	
12.54		1.00000	343 BB	.196	
14.09		1.00000	1914 BV	1.095	
15.70		1.00000	324 VV	.185	150403
17.40		1.00000	4047 VV	2.316	
19.11		1.00000	1129 VV	.646	
19.56		1.00000	798 VB	.457	
22.14		1.00000	18106 BB	10.361	
24.48		1.00000	267 BB	.153	

TOTAL AREA = 174750

DSW 298735