Pydrauls.

Reag. Blank. - 1 µl of 4.9 ml. -

as 1242 - $\frac{720 \text{ pg.} \times 4.9}{8}$ = 441 ng / .2 = 2.2 ppm.

as 1254 - $\frac{205 \text{ pg} \times 4.9}{8}$ = 126 ng.

as 1260 -

MCS-1436 - 107 (Hydrocarbon Oil ~70% + Hydrog. Quatraphenyl)

0.9821g / 25 ml. - 2 µl injected direct.

as 1242 - $\frac{312 \text{ pg} \times 25}{2 \mu l}$ = 3900 ng. / 0.9821g = n.d. < 4.0 ppm

as 1254 - $\frac{275 \times 25}{2}$ = 3438 / .9821 = n.d. < 3.5 ppm.

Pydraul 50E. - QD-13430 - 7.6 µl of 7.6 ml. 5/14/74

0.9911g/25 - 5 ml. - 0.1982g. on col.

as 1242 - $\frac{300 \text{ pg} \times 7.6}{7.6}$ = 300 ng. - 441 / .1982 = none det.

as 1254 - $\frac{125 \times 7.6}{7.6}$ = 125 - 126 / zilch none det.

DSW 298754

STLCOPCB4068667

Pydraul 50E - QD 14316

1.0307g / 25 mls × 5 mls = .2061g

as 1242 865

as 1254

DSW 298755

STLCOPCB4068668

✓ Pydraul 50E - QD 14316 5/23/74

1.0307g / 25 mls × 5 mls = 0.2061 g on column

as 1242 865 pg × 4.1 ml / 4.1 µl = 865 ng
- 441
424 ng / .2061 g = 2057 ppm

as 1254 193 pg × 4.1 ml / 4.1 µl = 193 ng
- 126
67 ng / .2061 g = 0.325 ppm.

✓ Pydraul 312C - QD 35330 12/20/74

1.0163 / 25 mls × 5 mls = .2033 g on column

as 1242 1337 pg × 5.15 ml / 5 µl = 1377
- 441
936 ng / .2033 = 4.6 ppm

as 1254 387 pg × 5.15 ml / 5 µl = 387
- 126
261 ng / .2033 = 1.28 ppm

✓ SANT 141-127

1.04g / 25mls × 5mls = .208 g on column

as 1242 375 pg × 3.2 ml / 3 µl = 400 ng
- 441

DSW 298756

as 1254 140 pg × 3.2 ml / 3 µl = 149 ng
- 126
23 ng / .208 = 0.111 ppm.

STLCOPCB4068669

✓ SANT 711-164

1.0051 / 25 ml × 5 ml = .2010

as 1242 405 pg × 2.3 ml / 3 µl = 310.5 − 441

as 1254 140 pg × 2.3 ml / 3 µl = 107 − 126

✓ S-140-124

1.0044 / 25 ml × 5 ml = .2009

as 1242 405 pg × 6.5 ml / 7 µl = 376 − 441

as 1254 125 pg × 6.5 ml / 7 µl = 116 − 126

✓ NCP 303

1.0294 g / 25 ml × 5 ml = .2059 g on column

as 1242 915 pg × 5.4 ml / 5 µl = 988 − 441 = 547 ng / .2059 = 2.656 ppm

as 1254 220 pg × 5.4 ml / 5 µl = 238 − 126 = 112 ng / .2059 = 0.544 ppm

DSW 298757

NC 220-325

1.00359 g / 25 ml × 5 mls. = 0.2007 g on column

as 1242

2760 pg × 5 ml / 5 µl = 2760 ng

- 441

2319 ng / .2007 = 11.554 ppm

as 1254

270 pg × 5 ml / 5 µl = 270 ng

- 126

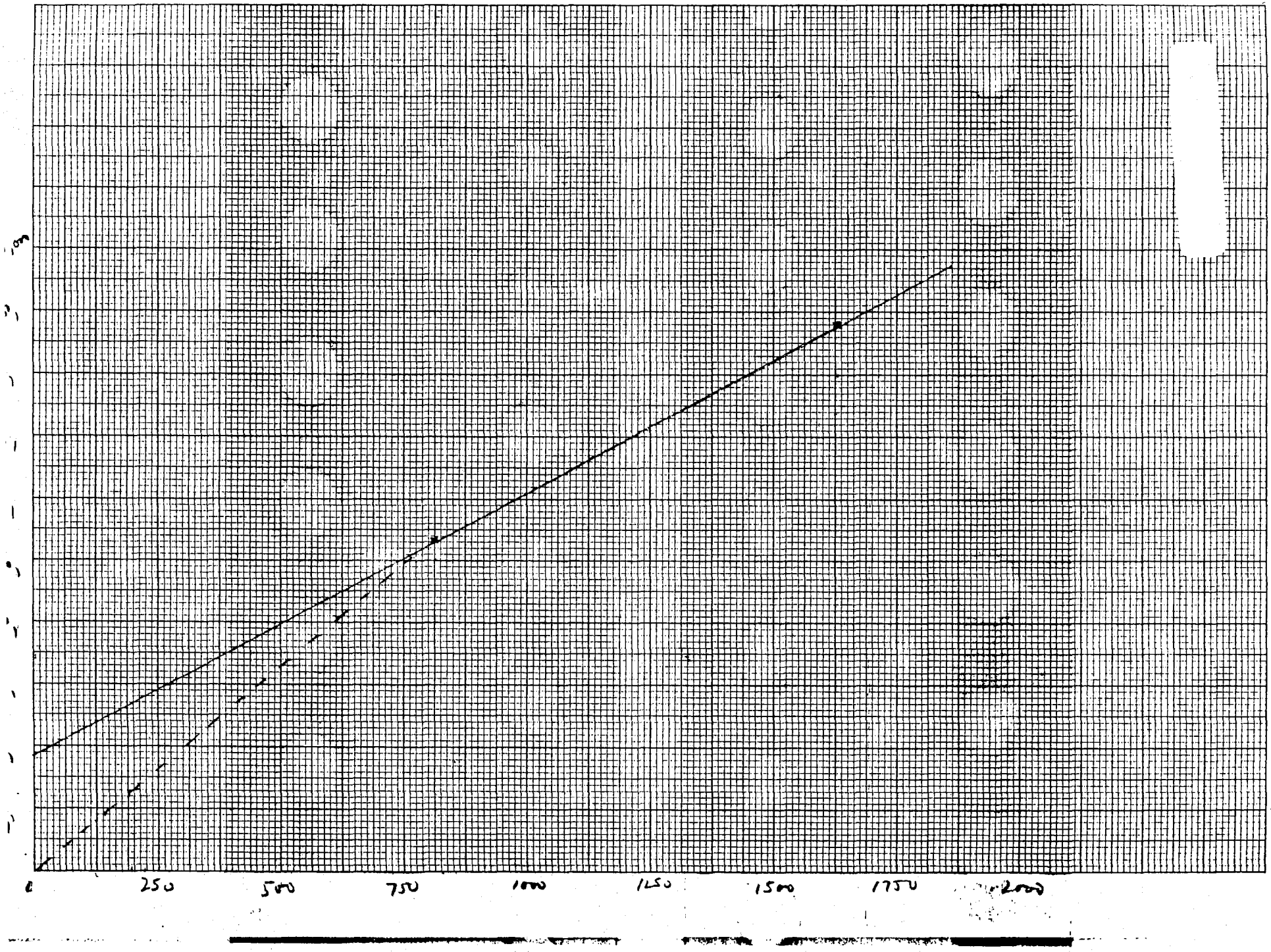
144 / .2007 = 0.717 ppm.

DSW 298758

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

1254

DSW 298759



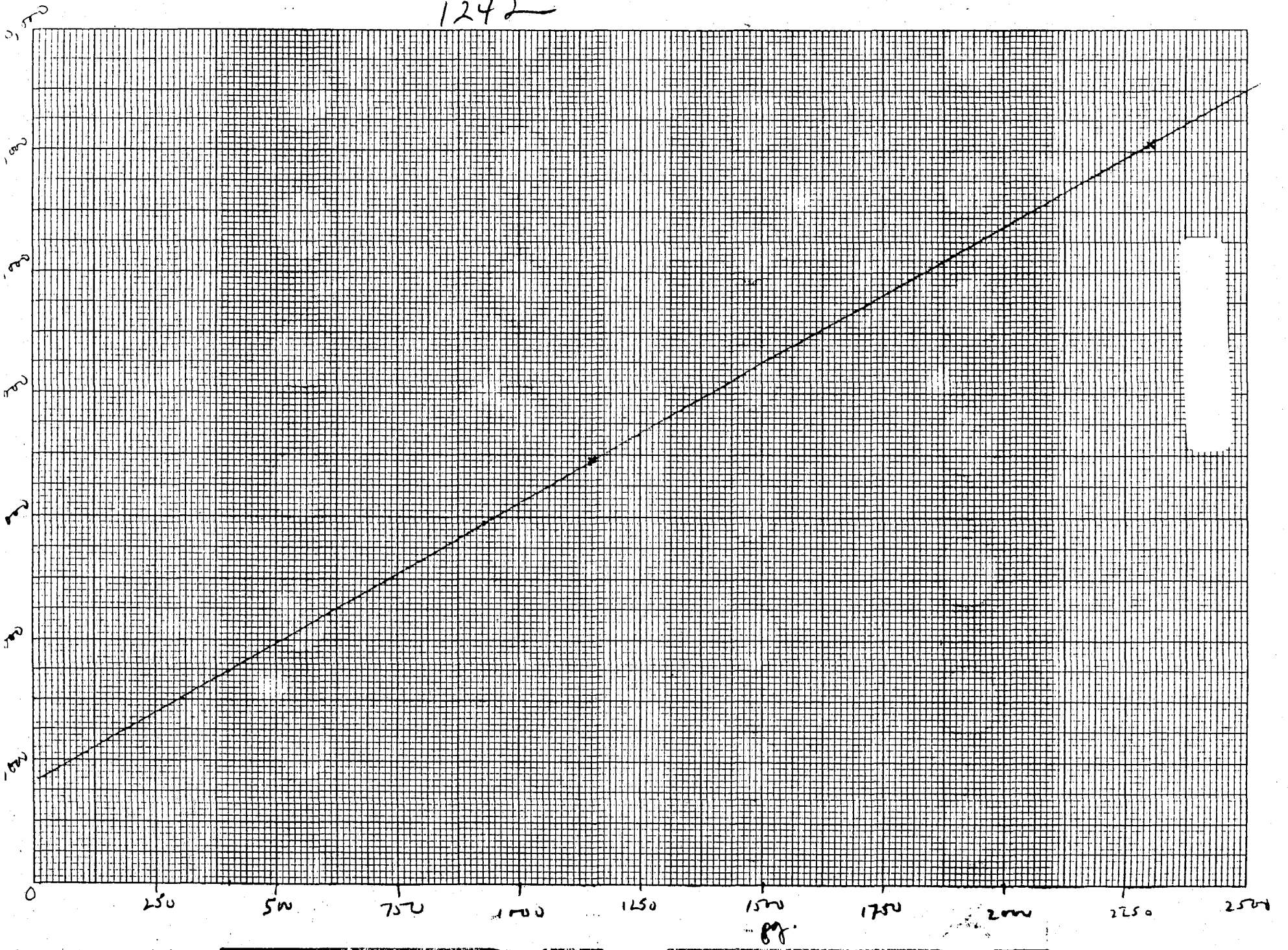
STLCOPCB4068672

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

1'-8'

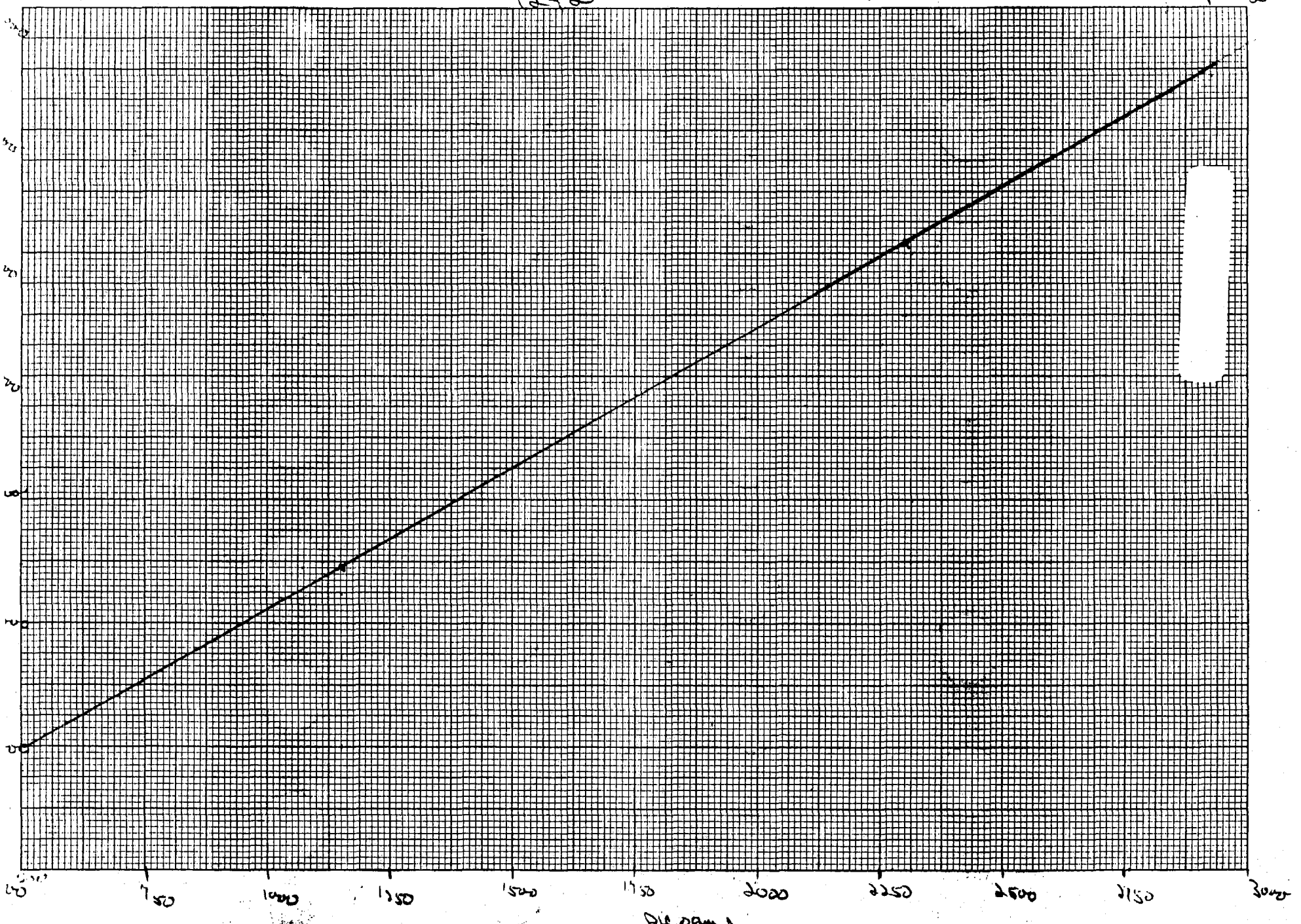
1242

DSW 298760



STLCOPCB4068673

DSW 298761



STLCOPCB4068674

REPORT NO. 62 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: 107 2µL/25 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
1.25		1.00000	405	BB	.196	
1.51		1.00000	3278	BV	1.585	
1.76		1.00000	1233	VV	.596	
2.00		1.00000	3729	VV	1.803	
2.23		1.00000	3399	VV	1.644	
2.82		1.00000	2642	VV	1.278	
3.19		1.00000	835	VV	.404	
4.01		1.00000	1759	VV	.851	
4.39		1.00000	282	VV	.137	
5.51		1.00000	11205	VV	5.419	
6.42		1.00000	718	VV	.347	
6.92		1.00000	441	VB	.213	
7.68		1.00000	318	BB	.154	
8.22		1.00000	4992	BV	2.414	
8.92		1.00000	4676	VV	2.261	
10.40		1.00000	8146	VV	3.939	
11.54		1.00000	2411	VV	1.166	
11.82		1.00000	1125	VV	.544	
12.34		1.00000	2261	VV	1.093	
13.65		1.00000	62292	VV	30.124	
15.15		1.00000	24113	VV	11.661	
16.28		1.00000	7974	VV	3.856	
19.23		1.00000	29878	VV	14.448	
21.49		1.00000	2385	VV	1.153	
22.89		1.00000	10723	VV	5.186	
24.72		1.00000	451	VV	.218	
24.95		1.00000	1235	VB	.597	
29.23		1.00000	12794	BB	6.187	
30.06		1.00000	1089	BF	.526	

TOTAL AREA = 206786

142 30,241

154 148,231

160

DSW 298762

REPORT NO. 64 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: ~~QB-10100~~ Reagent Blank 5 µl of 4.9 ml.

MIN AR	MV/M	DLY	DVT	DIL-FTR%	
250	.300	1.00	0.00	100.00	1

ENDED NOT ON BL

RT	ITM	FACTOR	AREA		%	NAME
1.02		1.00000	883	BV	1.187	
1.15		1.00000	10556	VV	14.178	
1.39		1.00000	3157	VV	4.241	
1.60		1.00000	707	VV	.949	
1.80		1.00000	4401	VV	5.911	
1.97		1.00000	696	VV	.935	
2.14		1.00000	2992	VB	4.018	
2.58		1.00000	1426	BV	1.915	
2.72		1.00000	1349	VV	1.812	
3.01		1.00000	1462	VV	1.964	
3.31		1.00000	3366	VV	4.521	
3.59		1.00000	1401	VV	1.881	
3.92		1.00000	770	VB	1.035	
4.29		1.00000	271	BV	.364	
4.72		1.00000	2959	VV	3.974	
4.98		1.00000	807	VB	1.084	
5.91		1.00000	1861	BV	2.499	
6.02		1.00000	831	VV	1.116	
6.18		1.00000	2812	VV	3.777	
7.09		1.00000	1238	VB	1.663	
7.99		1.00000	5614	BV	7.540	1242 = 4956
9.22		1.00000	387	VV	.520	
10.61		1.00000	2377	VV	3.193	
10.78		1.00000	676	VV	.908	
11.25		1.00000	775	VB	1.040	
12.49		1.00000	3182	BB	4.273	
13.67		1.00000	357	BV	.480	
14.11		1.00000	589	VV	.791	
15.34		1.00000	4157	VV	5.583	
16.62		1.00000	5327	VV	7.154	1884 - 47,383
17.88		1.00000	1170	VV	1.571	
18.17		1.00000	1513	VV	2.032	
18.93		1.00000	1189	VV	1.596	
19.56		1.00000	898	VB	1.206	
20.50		1.00000	1039	BV	1.395	
21.22		1.00000	363	VB	.488	
21.93		1.00000	899	BF	1.207	

DSW 298763

TOTAL AREA = 74454 62260

REPORT NO. 63 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: QD 13430

7.6pd of 7.6ml.

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
1.02		1.00000	397	BV	.796	
1.16		1.00000	3102	VV	6.208	
1.45		1.00000	4097	VV	8.201	
1.81		1.00000	3261	VV	6.528	
1.97		1.00000	2161	VV	4.326	
2.15		1.00000	3438	VV	6.882	
2.59		1.00000	1864	VV	3.731	
2.72		1.00000	1402	VV	2.806	
3.07		1.00000	1625	VV	3.253	
3.32		1.00000	2643	VB	5.291	
3.92		1.00000	703	BB	1.406	
4.32		1.00000	298	BB	.596	
4.72		1.00000	2478	BV	4.961	
5.08		1.00000	1292	VV	2.587	
5.33		1.00000	383	VV	.766	
5.51		1.00000	292	VB	.585	
6.15		1.00000	516	BV	1.033	
7.22		1.00000	274	VV	.548	
8.09		1.00000	2693	VB	5.391	
9.21		1.00000	687	VB	1.376	
9.61		1.00000	396	BV	.792	
12.42		1.00000	257	VB	.515	
17.96		1.00000	8118	BB	16.248	
19.53		1.00000	1587	BV	3.177	
19.83		1.00000	775	VV	1.551	
20.83		1.00000	3811	VB	7.628	
23.78		1.00000	354	VB	.709	
25.90		1.00000	1054	BF	2.110	

30,228

42379

TOTAL AREA = 49960

DSW 298764

REPORT NO. 65 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: 14316 4.1 ml 4.1 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
1.03		1.00000	390	BV	.606	
1.17		1.00000	2113	VV	3.287	
1.25		1.00000	763	VV	1.187	
1.46		1.00000	10112	VV	15.728	
1.82		1.00000	5124	VV	7.970	
1.98		1.00000	3936	VV	6.121	
2.15		1.00000	8803	VV	13.692	
2.59		1.00000	6517	VV	10.137	
3.07		1.00000	818	VV	1.273	
3.33		1.00000	2667	VV	4.149	
3.62		1.00000	1006	VV	1.564	
3.88		1.00000	1528	VV	2.377	
4.68		1.00000	4165	BV	6.478	
5.04		1.00000	927	VB	1.442	
6.15		1.00000	3679	BV	5.721	
6.62		1.00000	306	VV	.476	
7.25		1.00000	1256	VV	1.954	
7.62		1.00000	783	VV	1.218	
8.00		1.00000	2382	VB	3.705	
9.32		1.00000	1308	BB	2.034	
9.95		1.00000	1249	BV	1.943	
10.41		1.00000	1206	VV	1.876	
10.89		1.00000	488	VV	.759	
11.23		1.00000	390	VV	.606	
12.61		1.00000	1117	BV	1.737	
12.94		1.00000	604	VV	.939	
13.58		1.00000	341	VB	.530	
15.17		1.00000	316	BV	.491	

1242 58,483

TOTAL AREA = 64294

Total a 1254

DSW 298765

REPORT NO. 66 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: 35330 QD

5µl of 5.15 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
1.04		1.00000	880	BV	.131	
1.18		1.00000	4248	VV	.632	
1.41		1.00000	5179	VV	.770	
1.82		1.00000	8355	VV	1.243	
1.99		1.00000	4306	VV	.641	
2.18		1.00000	7797	VV	1.160	
2.60		1.00000	11350	VV	1.688	
3.07		1.00000	2191	VV	.326	
3.34		1.00000	5372	VV	.799	
3.60		1.00000	1766	VV	.263	
3.95		1.00000	2660	VV	.396	
4.70		1.00000	6439	VV	.958	
5.34		1.00000	12247	VV	1.822	
5.88		1.00000	4330	VV	.644	
7.14		1.00000	972	VV	.145	
8.12		1.00000	9217	VV	1.371	
8.84		1.00000	6534	VV	.972	
10.20		1.00000	11144	VV	1.657	
11.16		1.00000	1342	VV	.200	
11.65		1.00000	652	VB	.097	
12.98		1.00000	14406	BV	2.143	
14.95		1.00000	51256	VV	7.624	
16.50		1.00000	2322	VV	.345	
18.77		1.00000	41105	VV	6.114	
19.02		1.00000	30972	VV	4.607	
21.16		1.00000	23780	VV	3.537	
22.63		1.00000	44006	VV	6.546	
24.63		1.00000	25794	VV	3.837	
25.32		1.00000	18146	VV	2.699	
28.52		1.00000	35107	VB	5.222	
32.95		1.00000	27199	BV	4.046	
37.66		1.00000	72360	VV	10.763	
43.10		1.00000	70554	VV	10.494	
44.62		1.00000	13732	VV	2.042	
45.84		1.00000	26719	VV	3.974	
51.31		1.00000	47848	VV	7.117	
53.95		1.00000	19636	VB	2.921	
59.49		1.00000	391	BF	.058	

4048

174921

TOTAL AREA = 672313

DSW 298766

REPORT NO. 68 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: S141 127

3µl of 3.2ml.

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

RT	ITM	FACTOR	AREA		%	NAME
1.17		1.00000	735	BV	1.136	
1.28		1.00000	296	VV	.457	
1.41		1.00000	1881	VV	2.909	
1.63		1.00000	1973	VV	3.051	
1.82		1.00000	5789	VV	8.950	
2.00		1.00000	1010	VV	1.562	
2.18		1.00000	3234	VV	5.000	
2.60		1.00000	3983	BV	6.159	
3.09		1.00000	817	VV	1.264	
3.35		1.00000	2460	VV	3.803	
3.59		1.00000	795	VV	1.230	
3.99		1.00000	770	VV	1.190	
4.72		1.00000	4856	VV	7.508	
4.94		1.00000	280	VB	.432	
6.00		1.00000	4540	VV	7.019	
7.08		1.00000	357	VV	.552	33776
8.11		1.00000	2783	VV	4.302	
8.96		1.00000	2579	VB	3.987	
10.25		1.00000	601	VB	.929	
10.73		1.00000	533	BV	.824	
11.37		1.00000	506	VV	.782	
12.16		1.00000	404	VV	.625	
12.75		1.00000	843	VV	1.303	
13.04		1.00000	539	VB	.834	
14.15		1.00000	380	BV	.587	
15.97		1.00000	1051	VV	1.625	
16.37		1.00000	539	VV	.833	45,336
16.64		1.00000	802	VV	1.240	
17.44		1.00000	335	VV	.517	
17.97		1.00000	1471	VV	2.274	
22.65		1.00000	458	VB	.708	
24.26		1.00000	2478	BV	3.830	
26.69		1.00000	9215	VV	14.247	
27.62		1.00000	355	VB	.549	
29.71		1.00000	284	BB	.439	
32.95		1.00000	3570	BB	5.520	
34.86		1.00000	731	BV	1.130	
36.46		1.00000	449	VB	.695	

DSW 298767

TOTAL AREA = 64679

REPORT NO. 67 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: S711 104

3 µl of 2.3 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
1.14		1.00000	5011	VV	6.325	
1.36		1.00000	1891	VV	2.388	
1.54		1.00000	444	VV	.561	
1.76		1.00000	3210	VV	4.052	
1.93		1.00000	335	VB	.423	
2.10		1.00000	2180	BV	2.752	
2.51		1.00000	1632	VV	2.060	
2.64		1.00000	1453	VV	1.834	
2.95		1.00000	1793	VV	2.263	
3.22		1.00000	2790	VV	3.522	
3.46		1.00000	1000	VV	1.262	
3.76		1.00000	876	VB	1.106	
4.59		1.00000	1955	BV	2.468	
4.80		1.00000	718	VV	.906	
5.06		1.00000	574	VB	.724	
5.69		1.00000	984	BV	1.242	
5.97		1.00000	1395	VB	1.761	
7.88		1.00000	6593	BV	8.323	34834
8.17		1.00000	1317	VV	1.662	
8.76		1.00000	691	VB	.872	
10.19		1.00000	1964	BB	2.479	
12.23		1.00000	1762	BV	2.225	
12.35		1.00000	1326	VB	1.674	
13.12		1.00000	267	BV	.337	
14.77		1.00000	1423	BV	1.796	
15.27		1.00000	782	VB	.988	
16.17		1.00000	2987	BB	3.770	47353
18.69		1.00000	473	BB	.597	
24.11		1.00000	11438	BV	14.439	
24.50		1.00000	406	VB	.513	
25.66		1.00000	1076	BV	1.359	
26.78		1.00000	294	VV	.371	
28.17		1.00000	1532	VV	1.934	
28.80		1.00000	359	VB	.453	
32.19		1.00000	15742	BB	19.872	
38.68		1.00000	543	BB	.685	

TOTAL AREA = 79216

DSW 298768

0.408 mg/µl
2µl
0.816 mg.

REPORT NO. 60 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: 1254 STD

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
1.84		1.00000	682 BB	.256	
2.23		1.00000	7417 BV	2.788	
2.65		1.00000	5624 VV	2.114	
3.11		1.00000	2138 VV	.803	
3.37		1.00000	19526 VV	7.338	
3.69		1.00000	25425 VV	9.555	
4.02		1.00000	5936 VV	2.231	
4.43		1.00000	6673 VV	2.508	
4.77		1.00000	18015 VV	6.770	
5.17		1.00000	35362 VV	13.290	
6.09		1.00000	47661 VV	17.912	
7.28		1.00000	13631 VV	5.123	
8.30		1.00000	47237 VV	17.753	
10.92		1.00000	14917 VV	5.606	
11.80		1.00000	589 VV	.221	
12.96		1.00000	11999 VB	4.509	
14.57		1.00000	389 BV	.146	
15.64		1.00000	971 VV	.365	
17.28		1.00000	1894 VF	.712	

TOTAL AREA = 266084

REPORT NO. 61 PYDRAUL

4µl

CHAN# 4 METHOD: PCB4 SAMPLE: 1254 STD

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

1.632 mg.

ENDED NOT ON BL

RT	ITM	FACTOR	AREA	%	NAME
1.85		1.00000	817 BB	.182	
2.23		1.00000	11640 BV	2.591	
2.65		1.00000	10316 VV	2.295	
3.12		1.00000	4284 VV	.953	
3.36		1.00000	29995 VV	6.674	
3.68		1.00000	38003 VV	8.454	
4.01		1.00000	9597 VV	2.135	
4.41		1.00000	12119 VV	2.696	
4.76		1.00000	28287 VV	6.293	
5.16		1.00000	54891 VV	12.211	
6.06		1.00000	73554 VV	16.363	
7.25		1.00000	22739 VV	5.059	
8.25		1.00000	74830 VV	16.647	
10.87		1.00000	26061 VV	5.798	
12.85		1.00000	29536 VV	6.571	
15.73		1.00000	3256 VV	.724	
17.14		1.00000	10351 VV	2.303	440283
17.84		1.00000	4600 VV	1.023	
18.84		1.00000	332 VB	.074	
19.52		1.00000	394 BB	.088	
21.06		1.00000	2046 BV	.455	
22.44		1.00000	1254 VB	.279	
23.90		1.00000	604 BF	.134	

TOTAL AREA = 449513

DSW 298769

2µl
0.576 ng/µl
1.152 ng.

REPORT NO. 58 PYDRAUL

CHAN# 4 METHOD: PCB4 SAMPLE: 1242 STD

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
1.17		1.00000	2754 VV	3.733	
1.42		1.00000	4555 VV	6.174	
1.65		1.00000	3915 VV	5.306	
1.85		1.00000	11528 VV	15.626	
2.03		1.00000	4515 VV	6.120	
2.21		1.00000	9587 VV	12.996	
2.66		1.00000	4254 VV	5.767	
2.80		1.00000	4633 VV	6.280	
3.13		1.00000	3878 VV	5.256	
3.44		1.00000	9171 VV	12.431	
3.69		1.00000	1298 VV	1.759	
4.07		1.00000	4521 VV	6.129	
4.78		1.00000	932 VV	1.263	
5.23		1.00000	869 VB	1.178	
6.10		1.00000	1091 VB	1.478	
7.25		1.00000	269 BV	.364	
8.02		1.00000	1406 VV	1.906	
8.81		1.00000	774 VB	1.050	
10.65		1.00000	365 BB	.495	
12.42		1.00000	1031 BB	1.398	
13.22		1.00000	673 BV	.912	
13.81		1.00000	476 VB	.645	
15.36		1.00000	391 BV	.529	
15.63		1.00000	889 VF	1.204	

1242

69174

TOTAL AREA = 73773

REPORT NO. 59 PYDRAUL

4µl.
2.304 ng.

CHAN# 4 METHOD: PCB4 SAMPLE: 1242 STD

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
1.03		1.00000	287 BV	.221	
1.18		1.00000	4709 VV	3.630	
1.29		1.00000	312 VV	.240	
1.42		1.00000	7586 VV	5.849	
1.65		1.00000	6996 VV	5.394	
1.85		1.00000	18473 VV	14.243	
2.03		1.00000	7582 VV	5.845	
2.21		1.00000	15787 VV	12.172	
2.66		1.00000	7856 VV	6.057	
2.80		1.00000	8131 VV	6.269	
3.13		1.00000	7347 VV	5.665	
3.43		1.00000	15794 VV	12.177	
3.71		1.00000	2435 VV	1.877	
4.07		1.00000	8171 VV	6.299	
4.43		1.00000	566 VV	.436	
4.79		1.00000	1640 VV	1.265	
5.18		1.00000	2416 VV	1.863	
5.71		1.00000	275 VV	.212	
5.81		1.00000	332 VV	.256	
6.12		1.00000	4345 VV	3.350	
8.03		1.00000	479 VB	.369	
9.42		1.00000	309 BV	.238	
10.55		1.00000	4019 VV	3.099	
11.04		1.00000	2771 VV	2.137	
11.99		1.00000	1089 VV	.840	

121518

DSW 298770

TOTAL AREA = 129706

STLCOPCB4068683