

NOTEBOOK NO. **89296** **74**

PROJECT NO.

SUBJECT:

DATE:

2735000200

Carbon Qualifications

6/14/90

Objective: CH_2Cl_2 Capacity and Recovery, 5 μL spike (On Beads)
35 Days Open and 1 Day OpenCOPY MADE BY THE
TECHNICAL NOTEBOOK CENTER

Reference:

I spiked the carbon wafers with 5 μL (6.625 mg) of methylene chloride. Allow to stand closed overnight and then open for 35 days in the hood before analysis.I also spiked some new carbon in the form of beads with I weighed out 145 mg of the carbon beads and placed them in a monitor and spiked them also with 5 μL of CH_2Cl_2 . Allow to stand overnight and then open for 1 day in the hood before analysis.

Name

765-80-1 is Beads-1

765-80-2 is Beads-2

5 μL = 6.625 mg

Method E: F14F

>>>>>>>>>> PEAK SUMMARY TABLE <<<<<<<<<<<<<<

CH₂CL₂ CAPACITY AND RECOVERY, 5UL, 1 DAY OPEN

MJT

ORIGINAL RECORDED DATA USED FOR THIS TABLE.

EXTERNAL STANDARD AMOUNTS. AREA REJECT=

10 METHOD FILE = E:F14F

SAMPLE AMOUNT = 1

CONFIDENTIAL MATERIAL SUBJECT
TO PROTECTIVE ORDER

***** METHYLENE CHLORIDE *****				
FILE NAME	AREA	AMOUNT	RATIO	R.T. Sample Name
E:F14F32	17002	3.20863	1.000	4.74 BEADS-1 6.625
E:F14F33	21231	4.00679	1.249	4.74 BEADS-1 6.625
E:F14F34	12274	3.44864	1.075	4.74 BEADS-1 6.625
E:F14F35	13795	2.60152	0.811	4.74 BEADS-2 6.625
E:F14F36	12690	2.39491	0.746	4.74 BEADS-2 6.625
E:F14F37	12131	2.29333	0.713	4.74 BEADS-2 6.625

Capacity
4843
6048
5805
5930
3615
3436

X Capacity

5416 ± 0.02519
3.5547 ± .4095
3667 ± .02159
2.4293 ± .1599

FULL NAME or INITIALS

MJA

DATE:

6/15/90

WITNESS'S FULL NAME or INITIALS

MJA

DATE:

6/18/90

(READ AND UNDERSTOOD)

3M 113880

Continued on p. 75

CONFIDENTIAL MATERIAL SUBJECT
TO PROTECTIVE ORDER

3M RESTRICTED — DO NOT REPRODUCE

PAGE

NOTEBOOK NO. 89296 75

PROJECT NO.

SUBJECT:

DATE:

2735000200 Carbon Qualifications

6/14/90

jective: CH₂Cl₂ Capacity and Recovery, 5ul spike on beads
(35 Days + 1 Day Open)

Reference: Continued from p. 74

COPY MADE BY THE
TECHNICAL NOTEBOOK CENTER

5ul = 6.625 mg

Method E. 514F

PEAK SUMMARY TABLE

CH₂CL₂ CAPACITY AND RECOVERY, 5UL, 3 DAYS OPEN

MJT

ORIGINAL RECORDED DATA USED FOR THIS TABLE.

EXTERNAL STANDARD AMOUNTS. AREA REJECT=

10 METHOD FILE = E:F14F

SAMPLE AMOUNT = 1

FILE NAME	AREA	AMOUNT	RATIO	R.T. Samp Name	Capacity	Capacity	$\bar{X}$ Capacity
E:F14F3	714	0.13471	1.000	4.75 M 6.625	.0203	.1472	.0222 ± .00165
E:F14F9	822	0.15505	1.151	4.75 M 6.625	.0234	±.0109	
E:F14F10	834	0.15180	1.137	4.75 M 6.625	.0229		
E:F14F11	4577	0.85371	6.412	4.75 AN 6.625	.1304	.5042	.0761 ± .04700
E:F14F12	1700	0.32281	2.391	4.75 AN 6.625	.0434	±.3113	
E:F14F13	1739	0.32215	2.438	4.75 AN 6.625	.0495		
E:F14F14	611	0.11521	0.855	4.75 H1 6.625	.0174	.1134	.0171 ± .00025
E:F14F15	599	0.11304	0.839	4.75 H1 6.625	.0171	±.0017	
E:F14F16	593	0.11193	0.831	4.75 H1 6.625	.0169		
E:F14F17	1081	0.20410	1.515	4.75 KA1-2 6.62	.0308	.2126	
E:F14F18	1091	0.20598	1.529	4.75 KA1-2 6.62	.0344	±.0131	.0321 ± .00198
E:F14F19	1207	0.22772	1.630	4.75 KA1-2 6.62	.0344		
E:F14F20	1261	0.23791	1.766	4.75 KA2-1 6.62	.0359	.2450	
E:F14F21	6136	1.15268	8.557	4.75 KA2-1 6.62	.1740	±.0101	.0327 ± .07911
E:F14F22	1336	0.25316	1.872	4.75 KA2-1 6.62	.0381		
E:F14F23	723	0.13539	1.012	4.75 K1 6.625	.0206	.1251	
E:F14F24	692	0.12863	0.955	4.75 K1 6.625	.0194	±.0133	.0139 ± .00201
E:F14F25	685	0.11042	0.820	4.75 K1 6.625	.0167		
E:F14F26	612	0.11548	0.857	4.75 KR 6.625	.0174	.1081	.0163 ± .00109
E:F14F27	535	0.10101	0.750	4.75 KR 6.625	.0152	±.0072	
E:F14F28	571	0.10777	0.800	4.75 KR 6.625	.0163		
E:F14F29	893	0.16728	1.246	4.75 KC-10 6.62	.0233	.1628	.0246 ± .00374
E:F14F30	720	0.13588	1.009	4.75 KC-10 6.62	.0205	±.0248	
E:F14F31	378	0.16464	1.371	4.75 KC-10 6.62	.0279		

Continued on p. 76

FULL NAME or INITIALS

DATE:

WITNESS'S FULL NAME or INITIALS

DATE:

(READ AND UNDERSTOOD)

3M 113881

PROJECT NO.

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DATE:

2735000200 Carbon Qualifications

6/14/90

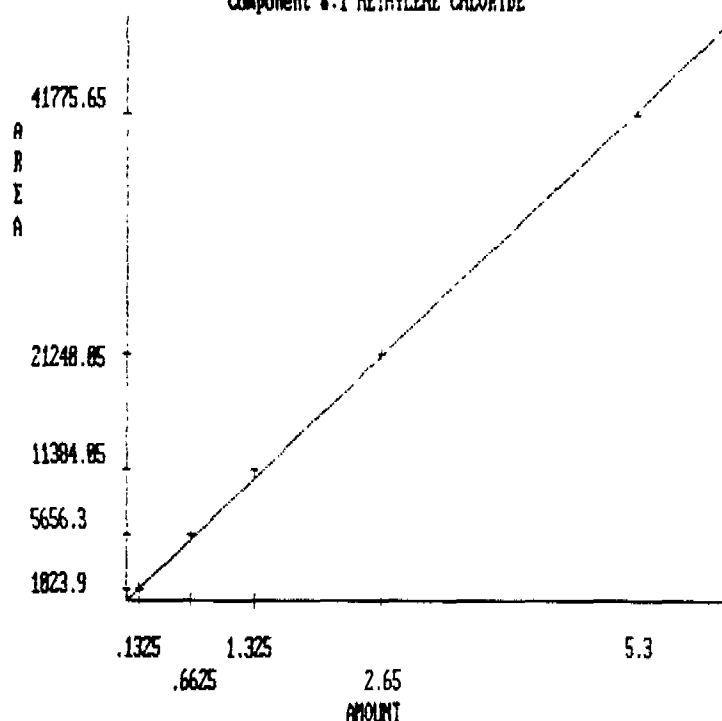
Objective: CH₂Cl₂ Capacity & Recovery (3 Days + 1 Day Open) on Seal

Reference: Continued from p. 74, 75

COPY MADE BY THE
TECHNICAL NOTEBOOK CENTER

Method E:F14F
Sample CH₂CL₂ CAPACITY (3 DAYS OPEN, DRY)
Operator MJT
Run date 06-14-1990 16:11:25 version: 220
Printed on 06-15-1990 AT 08:04:36
Straight Line Fit forced through Origin.

Component 8:1 METHYLENE CHLORIDE



Component 1 = METHYLENE CHLORIDE
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.1325	1024
2	0.6625	5656
3	1.3250	11384
4	2.6500	21240
5	5.3000	41776

Y = SLOPE * X + INTERCEPT

Area = 7.9482E+03 * Amount + 0.0000E+00
Amount = 1.2581E-04 * Area + 0.0000E+00
R squared = 0.9996

CONFIDENTIAL MATERIAL SUBJECT
TO PROTECTIVE ORDER

FULL NAME or INITIALS

DATE: 6/15/90

WITNESS'S FULL NAME or INITIALS

DATE: 6/18/90

(READ AND UNDERSTOOD)

3M 113882