

TO A. D. Simpson FIELD POINT OR DEPT. & BLDG. NO. Louisville DATE YOUR LETTER
M J. W. Keeney FIELD POINT OR DEPT. & BLDG. NO. Louisville DATE THIS LETTER
SUBJECT August 31, 1982

MONITORING SUMMARY REPORT, JULY 1982

Included in this report are the results of monitoring for:

Vinyl Chloride
Acrylonitrile
Lead

Highlights

The overall plant average of personnel monitoring for VCM was .07 PPM. The OSHA standard for VCM is not to exceed 1 PPM TWA over 8 hours. No samples exceeded the standard.

The overall plant average of personnel monitoring for acrylonitrile was .07 PPM. The OSHA standard for acrylonitrile is not to exceed 2 PPM TWA over 8 hours. No samples exceeded the standard.

One sample to evaluate airborne lead exposure was collected. The 17.43 $\mu\text{g}/\text{M}_3$ result was well below the OSHA standard of not to exceed 50 $\mu\text{g}/\text{M}_3$.

The reduced number of personnel monitoring samples and the reduced percent of time that gas chromatographs were in operation reflects the shut down of the plant during the 4th of July week. A one time only additional category of "PERCENT DOWN DUE TO JULY 4 SHUT DOWN" has been added to gas chromatograph operating time section to account for this time.

Please note that the gas chromatograph from Building 111 (shut down) has been moved to Bldg. 127. Results will no longer be reported for Bldg. 111.

Per request of T. S. Bialke, the number of dual tubes being used to check for breakthrough in VCM monitoring has been increased to a minimum of 50%. 80% of July's VCM samples were run with dual tubes. No breakthrough was experienced.

The data provided in this report does not reflect the results of monitoring done by T. S. Bialke during his annual industrial hygiene audit of the plant conducted 7/27/82 through 7/30/82. Results of these samples had not been received at this time.

C. W. Keeney
C. W. Keeney

cc: E. L. Beeler/H. E. Barrett
C. M. Fischer/R. S. Lutz/M. D. Azzara
W. C. Fultz/H. J. Kletke/V. W. Roberts
L. A. Grady/W. J. Vitt
R. J. Grahek/S. T. Brown
W. C. Holbrook (Cleveland)
D. L. Humphrey/H. E. Sullivan
~~E. B. Katzenmeyer/T. S. Bialke (Akron)~~
W. G. Pop/M. D. Schrader
J. W. Robben
P. A. Wagner/G. J. Lynch
H. Waltemate (Cleveland)

1001601

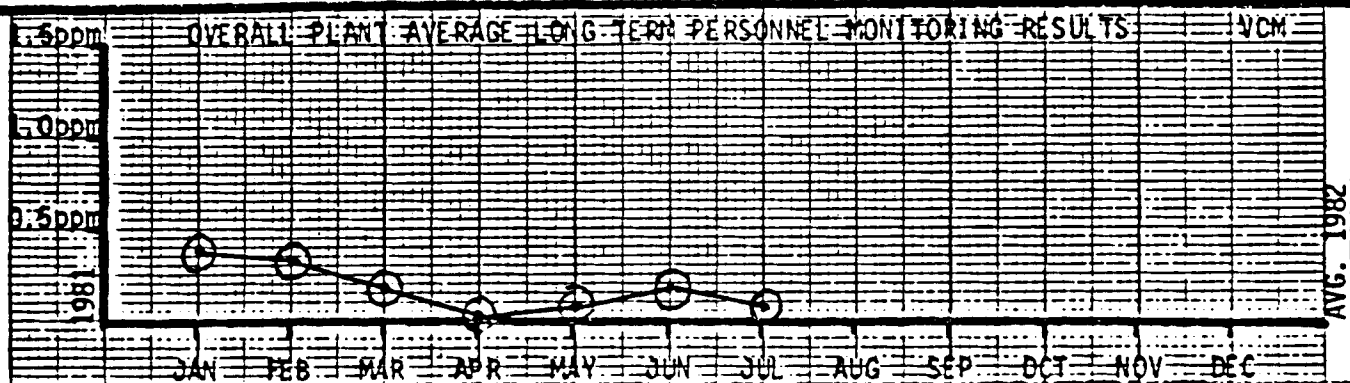
MONITORING SUMMARY

Louisville Plant

Month of July 1982

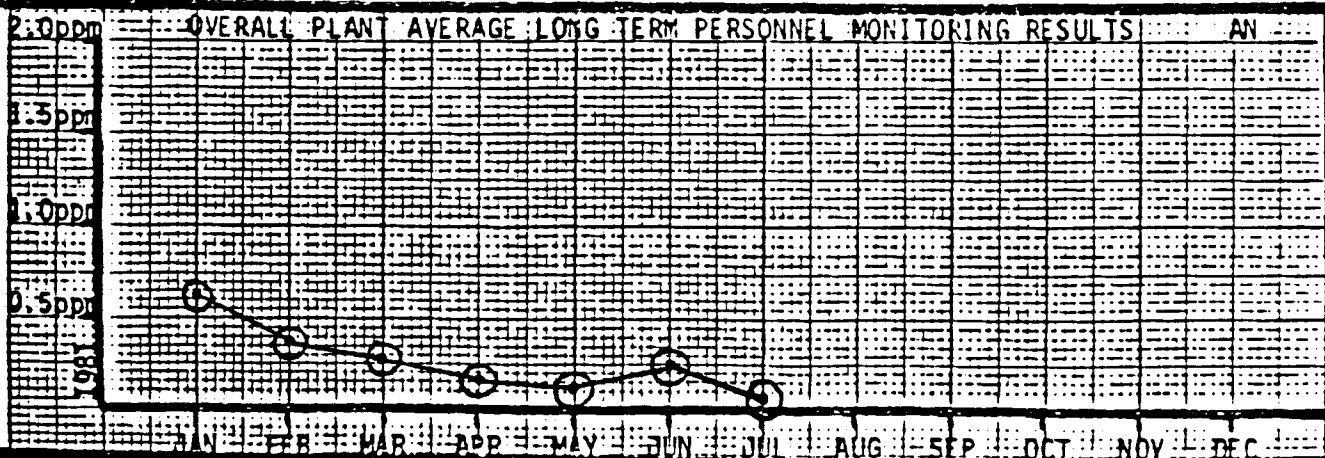
VCM MONITORING

	Number of Samples	Average in PPM	Percent > 1 PPM	Maximum in PPM	Minimum in PPM
Building 1	0	-	-	-	-
" 115	1	.10	0	.10	.10
" 121	3	.17	0	.48	.02
LPA	3	.04	0	.12	.00
Maint. Areas	1	.00	0	.00	.00
Other Areas	2	.00	0	.00	.00
PLANTWIDE	10	.07	0	.48	.00



ACRYLONITRILE MONITORING

	Number of Samples	Average in PPM	Percent > 2 PPM	Maximum in PPM	Minimum in PPM
Building 30	-	-	-	-	-
" 31	-	-	-	-	-
" 122	2	.00	0	.00	.00
" 125	-	-	-	-	-
" 130	4	.14	0	.28	.01
" 131	5	.05	0	.11	.00
" 132	-	-	-	-	-
" 145	-	-	-	-	-
" 403	-	-	-	-	-
PLANTWIDE	11	.07	0	.28	.00



20007602

VINYL CHLORIDE

<u>Specific Leak Detection - Buildings</u>	<u>1</u>	<u>115</u>	<u>121</u>	<u>127</u>	<u>LPA</u>	<u>Tank Farm</u>
Number of leaks detected & tagged.	①	0	0	0	6	1
Number repaired and tag returned.		0	0	0	1	1
Number outstanding at end of month, including those from previous months		0	0	0	5	0

<u>Gas chromatograph operating time:</u>	<u>B-1</u>	<u>B-111</u>	<u>B-121</u>	<u>B-127</u>	<u>LPA</u>	<u>Tank Farm</u>
Percent of time in operation	①	②	71.20	74.26	71.87	85.38%
Percent down due to malfunction			1.41	0	1.85	.20%
Percent down due to calibration			.51	.50	.54	.28%
* Percent down due to July 4 shut down			27.55%	25.24%	25.74%	14.14%

Gas chromatograph check using a standard gas.

Allowable limit + 1 PPM using a standard gas of approximately 5 PPM.

	<u>B-1</u>	<u>B-111</u>	<u>B-121</u>	<u>B-127</u>	<u>LPA</u>	<u>Tank Farm (THA)</u>
Number of tests	①	②	23	23	23	27
Number within limits			8	21	23	23
Number exceeding the limit			15	2	0	4

Job classification with results >1 PPM Average

<u>Bldg. No.</u>	<u>Job Class</u>	<u>Job Description</u>	<u>No. of Samples</u>	<u>Wearing Respirator</u>	<u>Average VCM</u>
		None			

GC AREA MONITORING

Percent of time areas under <1 PPM:

Building 1...	①	LPA.....	98.94
115...	90.92	Bld. 127....	48.17
121...	99.22		

Dual tubes to check flasher tube for breakthrough	8
Percent exceeding the 20% criteria.....	0
Percent to some degree, less than 20%.....	0
Percent showing none or sum of results less than 0.25 ppm.....	100%

- ① Building 1 shut down - scheduled to re-open in August 1982 for temporary use.
- ② Building 111 shut down - Bendix 7000 GC unit moved to Bld. 127 to replace older model Bendix 6000 GC. The Bld. 127 "gas chromatograph operating time" and "GC area monitoring" data sections reflect this change.

20516008

ACRYLONITRILEJob classifications with results >2 PPM Average

<u>Bldg.</u> <u>No.</u>	<u>Job</u> <u>Class</u>	<u>Job Description</u>	<u>No. of</u> <u>Samples</u>	<u>Wearing</u> <u>Respirator</u>	<u>Average</u> <u>AN</u>
		<u>None</u>			
<u>Specific Leak Testing - Buildings</u>		<u>30</u>	<u>106</u>	<u>125</u>	<u>131</u>
		<u>Number of leaks detected & tagged</u>	<u>0</u>	<u>0</u>	<u>1</u>
		<u>Number repaired and tag returned.</u>	<u>0</u>	<u>0</u>	<u>0</u>
		<u>Number outstanding at end of month,</u>			
		<u>including those from previous months.</u>	<u>0</u>	<u>0</u>	<u>1</u>

Lead Monitoring

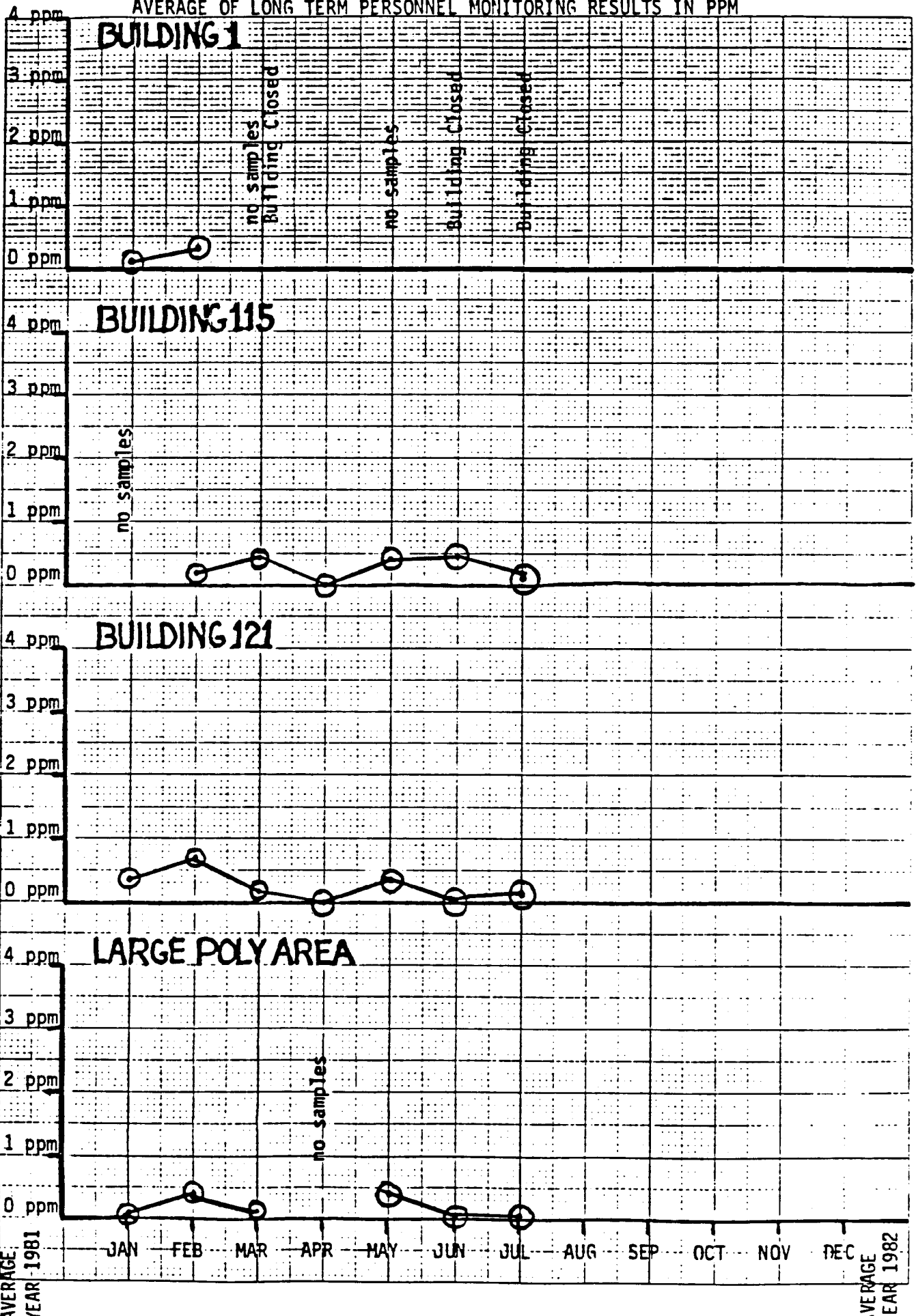
Lead results are reported in micrograms per cubic meter of air ($\mu\text{g}/\text{M}^3$). The OSHA standard is not to exceed $50 \mu\text{g}/\text{M}^3$ TWA over 8 hours. Results shown here are for the actual length of sample time.

<u>Building #</u>	<u>No. of Samples</u>	<u>$\mu\text{g}/\text{M}^3$ Average</u>	<u>$\mu\text{g}/\text{M}^3$ Maximum</u>	<u>$\mu\text{g}/\text{M}^3$ Minimum</u>
20	1	17.43	17.43	17.43

20210001

VINYL CHLORIDE

AVERAGE OF LONG TERM PERSONNEL MONITORING RESULTS IN PPM



2001-005

ABSON DEPT. - ALKILUINKILE

AVERAGE OF LONG TERM PERSONNEL MONITORING RESULT IN PPM

4 ppm

3 ppm

2 ppm

1 ppm

0 ppm

BUILDING 30

4 ppm

3 ppm

2 ppm

1 ppm

0 ppm

BUILDING 31

40%

30%

20%

10%

PERCENT (%) OF LONG TERM PERSONNEL MONITORING RESULTS > 2 PPM

BUILDING 30

40%

30%

20%

10%

BUILDING 31

AVERAGE
YEAR 1981

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

AVERAGE
YEAR 1982

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

no samples

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no samples

no samples

no samples

no samples

no samples

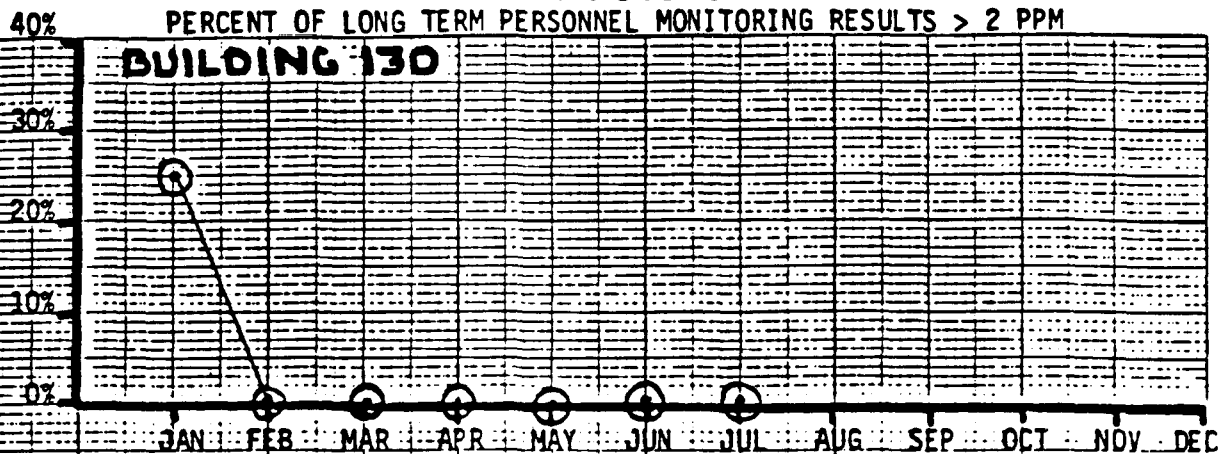
no samples

no samples

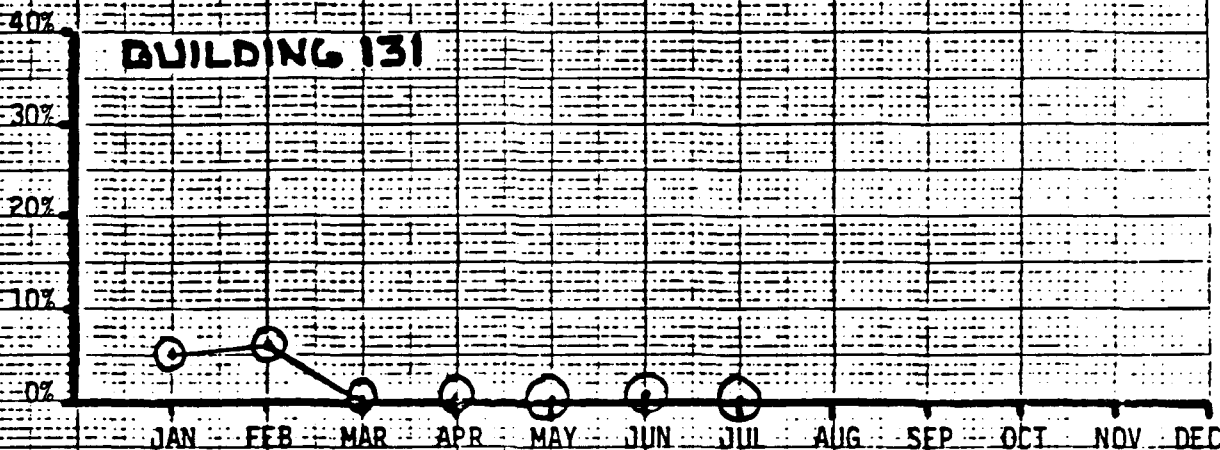
ALRYLONITRILE

PERCENT OF LONG TERM PERSONNEL MONITORING RESULTS > 2 PPM

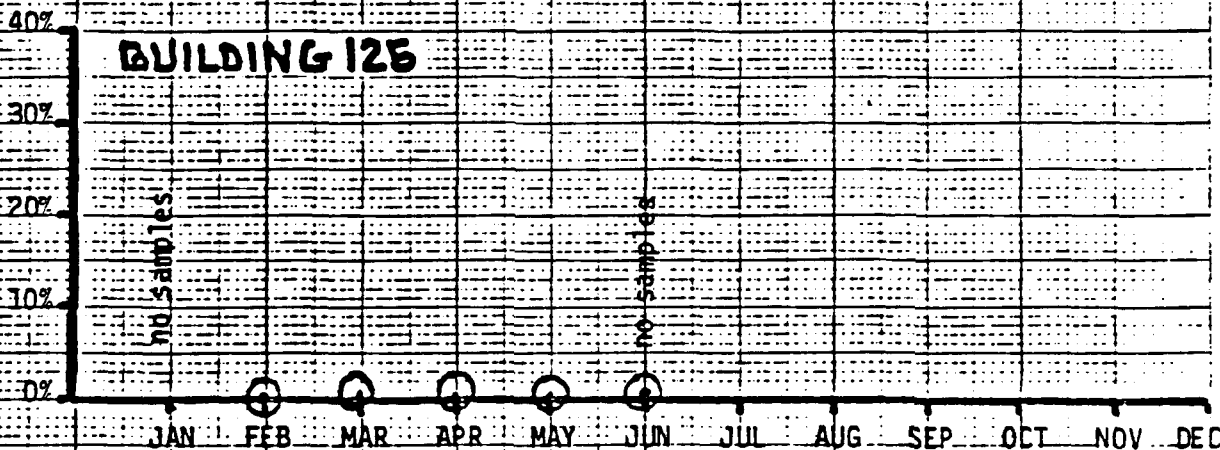
BUILDING 130



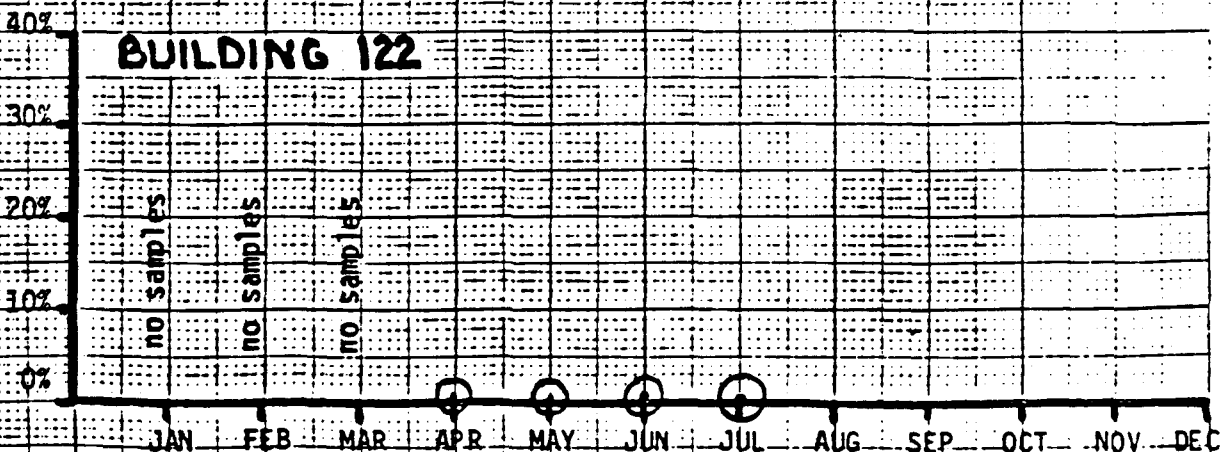
BUILDING 131



BUILDING 125



BUILDING 122



AVERAGE
YEAR 1981

AVERAGE
YEAR 1982

DIETZGEN CORPORATION
MADE IN U.S.A.

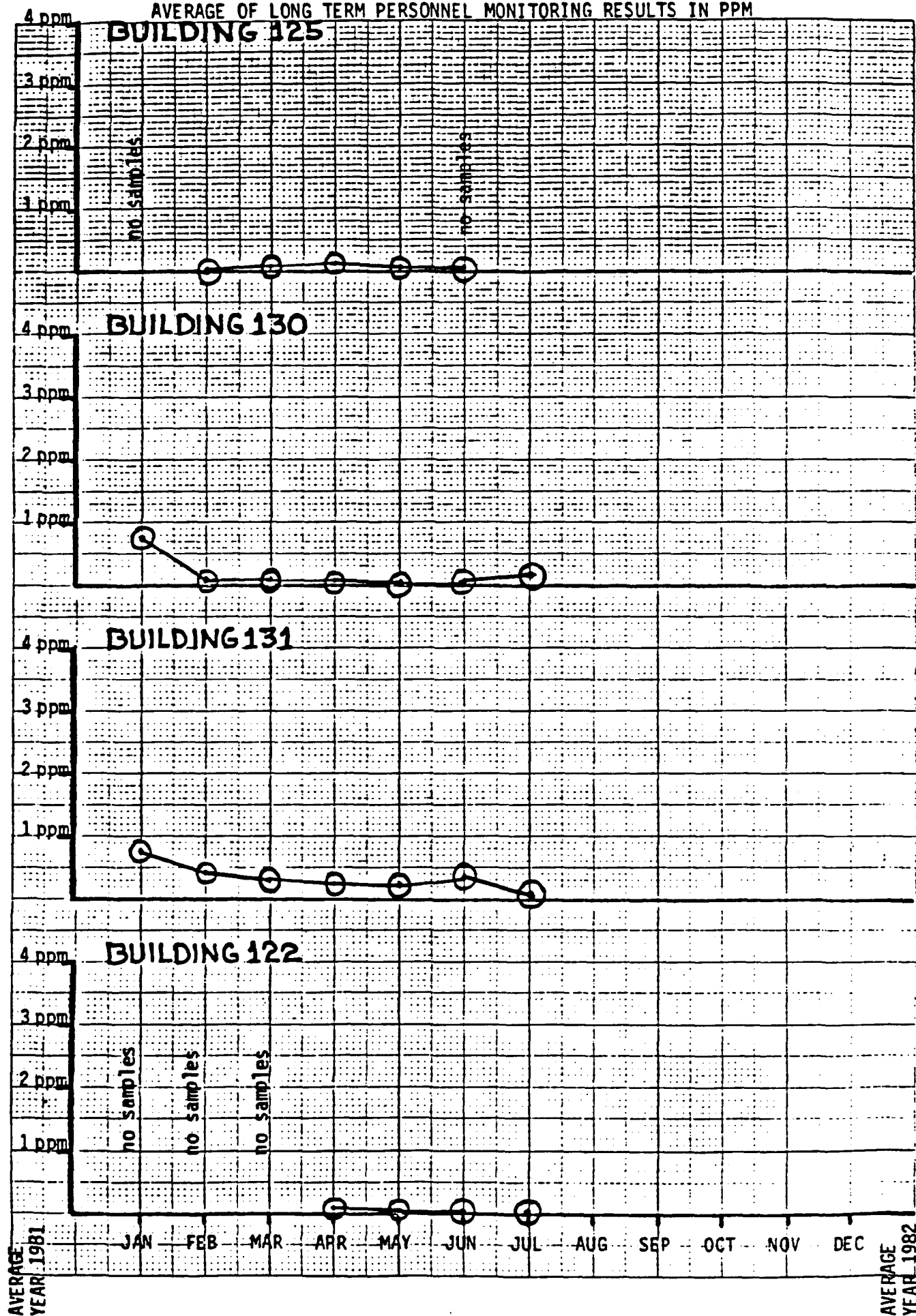
NO. 341-20 DIETZGEN GRAPH PAPER
20 X 20 PER INCH

MWT

20310007

ACRYLONITRILE

AVERAGE OF LONG TERM PERSONNEL MONITORING RESULTS IN PPM



DIETZEN CORPORATION
MADE IN U.S.A.

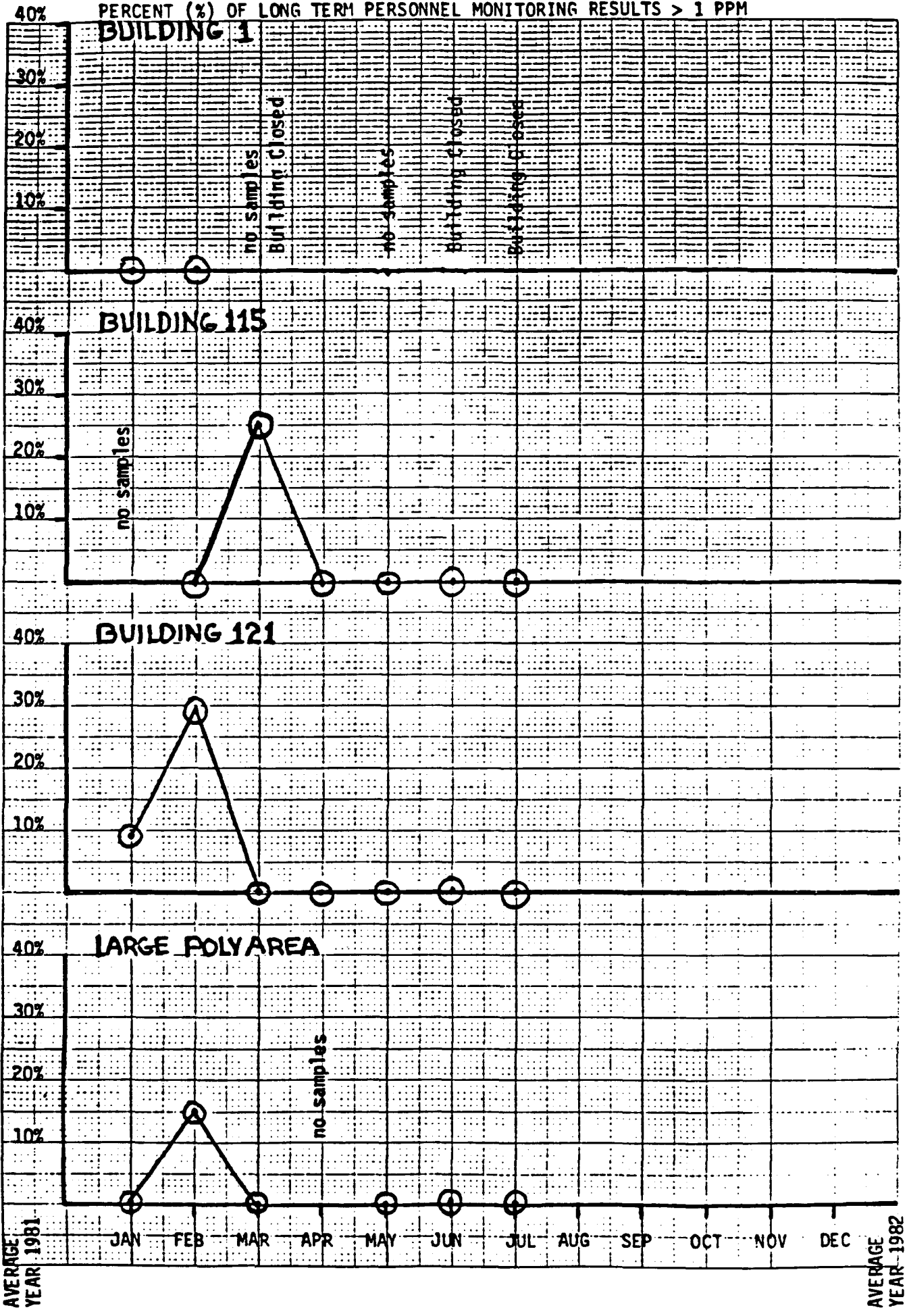
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20 X 20 PER INCH

CWK

8001002

VINYL CHLORIDE

PERCENT (%) OF LONG TERM PERSONNEL MONITORING RESULTS > 1 PPM



MANIP IN U.S.A.
 20 X 24 PER INCH

CWK

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