



Interoffice Communication

To Mr. Paul L. Fetzer, Lake Charles VCM Plant

From E. A. Setzkorn, Ponca City, Oklahoma

Date January 14, 1980

Subject ANALYSIS OF HEADSPACE IN N-N'-DIMETHYLACETAMIDE EXTRACT
FROM PERSONNEL MONITORING DOSIMETER BADGE

The headspace in the two acetamide samples were analyzed by GLC-Mass Spectrometry. The results are shown as follows:

LCVCP-I-79-98

Compounds Identified

Butane
3-Methyl pentane
2-Methyl pentane
Vinyl chloride
Ethyl chloride
Vinylidene chloride
Chloroform
Dichloroethane
Carbon Tetrachloride

LCVCP-I-79-99

Compounds Identified

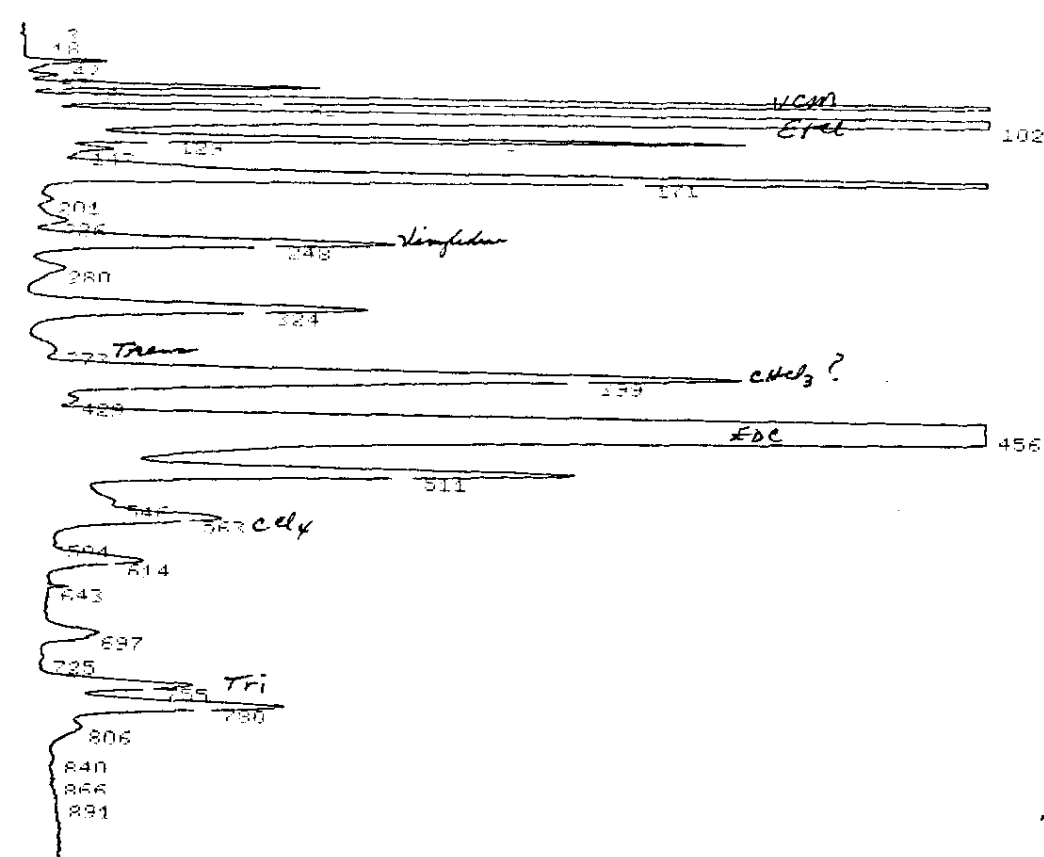
Butane
3-Methyl pentane
2-Methyl pentane
Vinyl chloride
Ethyl chloride

E. A. Setzkorn

E. A. Setzkorn
Staff Scientist

g
lmh

VVC 000010951



F 42 HEAD SPACE 1979 DEC 05 04:54:50 LCUCP-J-79-98
 CHANNEL 4 RUN 12 FILE 23 METHOD 5
 VIAL 14

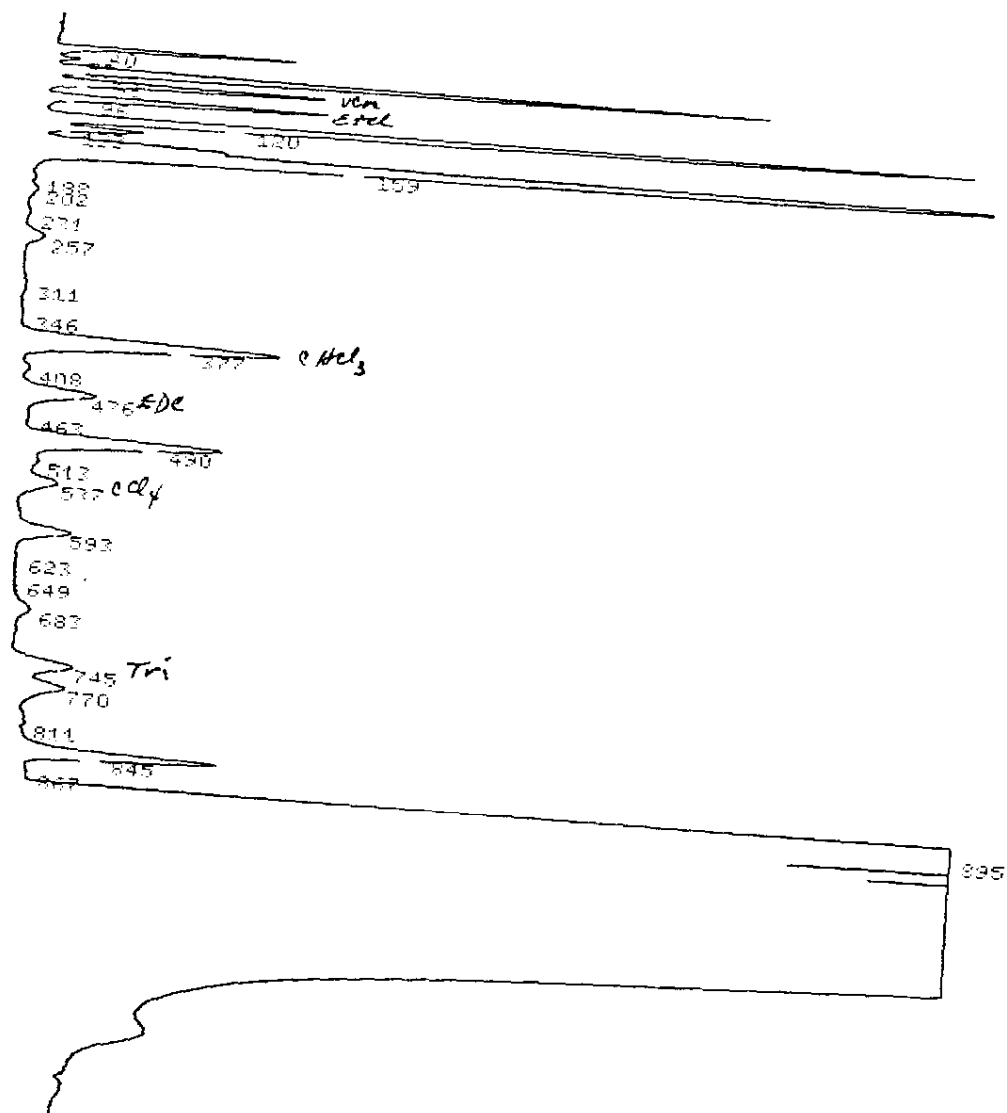
INDEX 1 SAMPLE 0 CARBONNE 12-3-79 6916

S. AMT= 470 KF= 20

NAME	CONC	RT	AREA	KF	RRT
1	.189	422	737	1	248.7
2	.797	483	3106	1	248.7
VCM	.535	83	32823	1	2413
ETOL	4.105	102	261225	1	4061
3	2.378	129	9863	1	248.7
4	.427	143	1665	1	248.7
5	8.146	171	31738	1	248.7
6	.166	201	546	1	248.7
7	.278	226	1084	1	248.7
VIN-ONE	.267	248	3086	1	1230
11	.308	280	1201	1	248.7
12	2.145	324	8357	1	248.7
TRANS	.105	373	773	1	468.5
CHL3	4.255	5.822	28552	1	111.0
15	.239	429	930	1	248.7
EDC	111.08	456	432249	PS	248.7
17	3.725	511	10617	1	248.7
18	.423	546	516	1	268.0
COL4	1.133	562	4759	1	268.0
20	.596	614	2320	1	248.7
21	.425	627	1657	1	248.7
TPI	.329	755	3889	1	240.7
23	1.772	780	6905	1	248.7
24	1.112	806	6555	1	248.7
1.1.2	1.358	836	1708	1	44.94
TOTALS	42.35		848914		

RP 0 DP 0 IS 0
 RT 349.0 KF 462.4 GC 25.00
 NM TRANS
 SP 0 DP 0 IS 0

VVC 000010952



Specia

1979 DEC 05 12:58:11
CHANNEL 4 RUN 13 FILE 23 METHOD 5 LC VAP-I-77-99

121

VIAL 30
INDEX 1 SAMPLE K DARBOHNE 12-4-79 1195
S. ANT= 530 NF= 30

NAME	CONC	RT	AREA	KE	RRT
1	.39	40 2	1609	1	.082
2	1.252	65 3	5581	1	.132
3	.589	78	2432	1	.133
VCM	.028	98	2627	1	.196
5	2.422	120 4	9996	1	.243
6	.303	122 5	1251	1	.271
7	4.191	159 7	17307	1	.294
VIN-NEVE	.812	257 9	403	1	.324
THARS	.111	277 10	6240	1	.359
EPC	.430	426	1773	1	.399
12	1.191	430 11	4217	1	.447
13	.991	513 12	375	1	.526
14	.254	537	1183	1	.521
15	.277	593 15	1415	1	.594
16	.106	623 16	433	1	.552
Tri	1.253	745	1612	1	.571
17	.253	770 18	1603	1	.571
TRI	.871	845 19	2593	1	.724
TOTALS	12.94		64342		

VVC 000010953

122
131
= 156

Propylene - methyl chloride
VCM
ETCE

150 butane

N-butane

CH_2CCL_2 214

~~Diene~~

276

1,1-Di

315

~~Di~~

Trans

348

CHCl_3

EDC

476

1,1,1-Trichloro ethene

503

CCl_4

592 ?

608

TAI

1,1,2