

Gollob Analytical Service Corp.

_____ Mass Spectrometry Gas Chromatography Leak Detection _____

TO: Mr. E. Borch
Amboy Terminaling Company
560 State Street
Perth Amboy, New Jersey 08861

47 INDUSTRIAL ROAD
BERKELEY HEIGHTS, NEW JERSEY 07922
TEL. (201) 464-3331

ANALYTICAL REPORT NO.
G.A.S. 36417

Date Reported: 7/15/76
Date Requested: 7/7/76
P.O. No. Verbal.

MATERIAL SUBMITTED: Monitoring for Vinyl Chloride at Amboy Terminaling Co.

INFORMATION REQUESTED: Gas Chromatography Analysis.

NOTEBOOK REFERENCE: NB VC 344 page 37.

RESULT OF INVESTIGATION:

On July 7, 1976, Mr. J. Traina visited Amboy Terminaling, Perth Amboy, New Jersey and monitored the ambient air in the breathing zone of a bagger and fork lift operator.

Employee exposure to vinyl chloride monomer was determined by passing a known volume of ambient air through NIOSH approved charcoal tubes with a Sipin personal sampler. The tubes were then returned to the G.A.S. laboratory and analyzed by Flame Ionization Gas Chromatography.

Conclusion:

The TNA for exposure to VCM in both cases was below the "action level" of 0.5 ppm V/V.

All data are presented in the following table.

P-4 rd.
SS 4/14/77

Continued

By



GOLLOB ANALYTICAL SERVICE CORP.

RNW 0815

Mr. E. Borch

Amboy Terminating Company

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G.A.S. # 36417

Personnel & Area Monitored

Packaging Room # 1

SS - 151-32-499

Paul Bulla - Bagging VYNW5,

Blend BT 3926

Mr. Bulla transferred to
another area for remainder
of day.

SS - 142-18-4426

Thomas Ogorek - Bagging
same material

1125 - 1244

1245 - 1404

1405 - 1443

Time Weighted Average -

NOTES:

1. Bagging completed at 1427.
2. Warehouse conditions - doors open - aisle 600 less than 1/4 full.
3. Weather - hot, humid, raining - temp. 75F.

ND = none detected, less than

Continued

Vinyl Chloride Monomer

Concentration ppm Volume/Volume

ND .05

.10

.06

.10

ND .05

.05

RNW 0816

M. E. Borch

Amboy Terminaling Company

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G.A.S. # 36417

Personnel & Area Monitored

Time

Vinyl Chloride Monomer

Fork Lift Operator for Line # 1

Concentration ppm Volume/Volume

SS-139-24-3221
John Ferik - Pallets removed
from line 1 to Warehouse A
During the monitoring 20 pellets
were moved.

0825 - 1002
1004 - 1055
1130 - 1250
1252 - 1400
1403 - 1443

.06
ND .05
.15
ND .05
.0

Time Weighted Average -

.06

ND = none detected, less than

ach 7/16/76