

Gollob Analytical Service Corp.

Mass Spectrometry Gas Chromatography Leak Detection

TO: Mr. Borch
Amboy Terminaling
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ANALYTICAL REPORT NO.

G.A.S. 32590 A

Date Reported: 12/16/74
Date Requested: 12/10/74
P.O. No. Verbal

MATERIAL SUBMITTED: Monitoring for VCM exposure.

INFORMATION REQUESTED: Gas Chromatography Analysis.

NOTEBOOK REFERENCE: NB 346 page 22.

RESULT OF INVESTIGATION: This is a continuation of the study performed by Gollob Analytical Service personnel at Amboy Terminaling on December 9, 1974.

During this segment of the investigation employees were monitored during non-routine operations deliberately simulating maximum possible peak exposure. All data are presented in the table.

<u>Employees Monitored</u>	<u>Exposure Time</u>	<u>VCM*</u>
<i>SS # 143-44-6640</i> <u>M. Younghams</u> -Standing on platform during the filling of hopper truck with VSKK10 resin	0949-1045	.44
<i>SS # 511-42-6502</i> <u>A. Ampe</u> -Welding experiment in Rm. 1 PVC Duct intentionally left in area of the welding operation	1050-1057	2.7
<i>SS # 147-30-5495</i> <u>G. Mandy</u> -Standing on platform of Hopper # 1 simulating the changing of filter bags	1055-1110	63

Note: Sample collected, on NIOSH approved Lot #5 Charcoal, with Sipin & SKC pumps calibrated at 64.5 and 57.1 cc/minute respectively.

*VCM- Vinyl Chloride Monomer Concentration ppm Volume/Volume

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RNW 0849

By



GOLLOB ANALYTICAL SERVICE CORP.

Gollob Analytical Service Corp.

Mass Spectrometry Gas Chromatography Leak Detection

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ANALYTICAL REPORT NO.
G.A.S. 32590

Date Reported: 12/16/74
Date Requested: 12/10/74
P.O. No. 74-3368

MATERIAL SUBMITTED: Monitoring for Vinyl Chloride Exposure

INFORMATION REQUESTED: Gas Chromatographic Analysis

NOTEBOOK REFERENCE: NB 346, page 22

RESULT OF INVESTIGATION:

On December 9, 1974, Messrs. L. Molinini and J. Traina of Gollob Analytical Service visited Amboy Terminaling and monitored two employees for eight hours to obtain a time weighted average for vinyl chloride exposure. In addition, gas samples were taken in special evacuated glass containers from several areas in the warehouse. The results of the warehouse sampling are reported separately under G.A.S. 32588 dated 12/9/74. All monitoring data are presented in the following table.

Continued -
Page 1 of 2 Pages

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RNW 0850

Mr. Borch
Amboy Terminaling

-2-

G.A.S. 32590

<u>Personnel Monitored</u>	<u>Time</u>	<u>Vinyl Chloride Monomer</u> <u>Concentration ppm Volume/Volume</u>	
SS. # 156-38-962.5 J. Smock - Room 2	0810-0910	.17	TWA .47
Bagging VYFS resin			
Approximately 648	0912-1009	.22	
bags filled during			
this monitoring	1013-1113	.45	
	1114-1158	.36	TWA 1.47
Switched at this time	1235-1330	.64	
from bagging PVC to			
filling polyethylene	1333-1430	.70	
containers	1434-1530	.66	
	1532-1615	.59	TWA 1.47
SS. # 151-32 4199 P. Bulla - Room 1	0812-0912	.26	
Bagging VSKK10			
Approximately 965	0914-1013	.36	
bags filled during			
this 8 hr. monitor-	1015-1114	.71	
ing period	1118-1157	.80	TWA 1.47
	1235-1332	1.1	
	1334-1431	1.1	
	1436-1532	6.2	
	1534-1615	1.3	

Note: Samples were collected on NIOSH approved charcoal tubes, Lot #5, with Sipin and SKC pumps calibrated at 64.5 and 57.1 cc/minute, respectively. Each tube was in service for approximately 60 minutes.

RNW 0851