

Exhibit 17

October Continuous Plant
Run: Extraction Studies
of PVC Sheet by Gollob
Analytical Service

Gollob Analytical Service Corp.

Mass Spectrometry Gas Chromatography Leak Detection

TO: Mr. Michael F. Saggese
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ANALYTICAL REPORT NO.

G.A.S. 34847

Date Reported: 12/2/75
Date Requested: 11/11/75
P.O. No. Verbal

MATERIAL SUBMITTED: Three PVC Film Samples - Continuous Plant Run
Tenneco Proprietary Technique

INFORMATION REQUESTED: Gas Chromatographic Analysis

NOTEBOOK REFERENCE: NB 363, pages 31-32

RESULT OF INVESTIGATION:

This vinyl chloride monomer extraction study was undertaken at the request of Tenneco Chemicals; see letters from F. V. Owens dated November 10th and 14th, 1975.

Procedure

Subject samples have been analyzed at the Gollob Analytical Service laboratory by Flame Ionization Gas Chromatography for extracted vinyl chloride monomer as follows:

A measured portion of the supplied film (.75 in²) was placed into 2-dram vials containing 7.5 ml of the solvent requested: a. 50/50 ethanol and water, b. hexane and c. distilled water. The vials were sealed with special Teflon lined septums and stored upright at the required temperature. After 1, 3 and every 5 days thereafter, the samples were analyzed by injecting 25 ul of the indicated solvent into a gas chromatograph: hexane onto a 15 ft. x 1/4 inch SE-30 column; water and ethanol-water onto a 20 ft. x 1/4 inch Carbowax 20 M column. All columns were maintained at ambient conditions.

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The Varian 1860 Gas Chromatograph was standardized by injecting freshly prepared standards of vinyl chloride gas into each of the extraction solvents. The standards were prepared as follows:

A stock solution with a concentration of 520 ppb was prepared by adding 200 ul of vinyl chloride gas to 100 ml of the required solvent. This stock was further diluted to produce a 260 ppb vinyl chloride standard by injecting 100 ul of the stock into a special Teflon stoppered glass vial containing 1.9 ml of the required solvent. 25 ul of this standard produced a peak height of approximately 100 divisions on the gas chromatograph. Theoretically, each division is equivalent to 2.6 ppb. However, due to interferences by solvent impurities and chromatographic base line instability, values below 20 ppb are not considered reliable.

Vinyl Chloride Monomer
Concentration ppb Weight/Volume

Exhibit 17

<u>Analysis</u>	<u>Extraction</u>	<u>HEXANE</u>			<u>ETOH/WATER</u>			<u>WATER</u>		
<u>Date</u>	<u>Time (Days)</u>	<u>7329-40</u>	<u>7685-15</u>	<u>7779-15</u>	<u>7329-40</u>	<u>7685-15</u>	<u>7779-15</u>	<u>7329-40</u>	<u>7685-15</u>	<u>7779-15</u>
Nov. 19	1	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 50	LT 50	LT 50
21	3	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20
26	8	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20
Dec. 1	13	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20
6	18	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20
10	22	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20	LT 20

Notes:

LT = less than

1. Values below the 20 ppb level are not considered reliable due to interferences by solvent impurities and chromatographic base-line instability. During the initial water extraction test an increase in the instrument noise level increased the less than value to 50 ppb.

2. Samples prepared for study 11/19/75.

3. Extraction Temperatures

Hexane - 72°F

50/50 Ethanol - Water 120°F

Distilled Water - 120°F

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TO: Mr. Michael Saggese
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ANALYTICAL REPORT NO.
G.A.S. 35068

Date Reported: 12/15/75
Date Requested: 12/11/75
P.O. No. Verbal

MATERIAL SUBMITTED: PVC Film-Sample No. 7330 #30 Tenneco No. D079-176-1.

INFORMATION REQUESTED: Mass Spectrometry Analysis.

NOTEBOOK REFERENCE: NB 374 page 21.

RESULT OF INVESTIGATION:

Object

The purpose of this study was to determine the presence and amount of vinyl chloride monomer in subject sample.

Conclusion

Tenneco PVC film Sample No. 7330 #30 Tenneco No. D079-176-1 has been heated to 130°C for 3 hours, and the gaseous constituents evolved have been analyzed by mass spectrometry for residual vinyl chloride monomer. Based upon the analysis discussed below, it is concluded that there is no indication of the presence of vinyl chloride.

Sample Designation

Sample No. 7330 #30 Tenneco No. D079-176-1

Vinyl Chloride Monomer
Concentration ppb

None Detected*

*Test sensitivity 1 ppb.

By *[Signature]*
GOLLOB ANALYTICAL SERVICE CORP.

Procedure

10.0 gms. of subject film was placed in a special glass container and sealed with a Teflon septum. The container was placed in a Gas Chromatographic oven at 130°C for 3 hours. After the heating period the container was removed from the oven and the gaseous contents of the 10 ml container were removed, by vacuum into a glass trap refrigerated at LN₂ temperature. The contents of the trap were then desorbed at 100°C into the mass spectrometer and scanned.

Prior to the analysis of the PVC film, known quantities of vinyl chloride gas in air were prepared and analyzed using the same procedure.

Quantities as low as 10 nanograms were successfully detected by mass spectrometer.

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12/16/75