



Diamond Shamrock

Interoffice Correspondence

To: J. P. Witeczek
From: A. H. Karrenbrock
Date: February 27, 1980

Report No. 352-3AS-79-0105-002

Subject: Analyses for Vinyl Chloride Monomer (0256-3352)

D 118-C

PURPOSE: To determine the concentration of vinyl chloride monomer (VCM) in air by the charcoal tube adsorption method.

ENVIRONMENTAL
REFERENCE: 10628-96-(1 through 6)

NOTEBOOK
REFERENCE: 9927-125

PROCEDURE: Number 2 of the Environmental Sciences Gas Chromatography Procedures.

DISCUSSION: This method measures the personnel and area exposure to VCM in the workplace environment. The VCM is adsorbed onto activated charcoal, desorbed with carbon disulfide in a sealed system, and analyzed by gas chromatography. Samples are collected to determine the Time Weighted Average (TWA) and the ceiling exposure to VCM.

RESULTS: The results for the samples you collected are listed on the attached sheet. Results are given in parts per million (ppm). The first five personnel samples showed undetectable levels of VCM. Sample number 6, collected in the hood near the VCM tank, is not a personnel sample and is probably not subject to the present OSHA exposure limits.

If you have any questions or require additional information, please contact us at your convenience.

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OCC 9756



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