



INTERNAL CORRESPONDENCE

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R. N. WHEELER, JR.

CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name) Mr. L. E. Carlson
Division 514-SCWTW
Location

Date November 30, 1978

Originating Dept. R/D

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Mr. F. D. Bess, 511
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Mr. R. T. Kramer, 512
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Mr. J. L. Worstell, 514

Subject GC/MS Analysis of SCWTW
(11/19/78) For Vinyl Chloride

*Waste water or
Monitoring*

Dear Mr. Carlson:

This letter documents the GC/MS data collected on the SCWTW effluent (11/19/78) submitted for the analysis of vinyl chloride (VCM).

The wastewater sample was analyzed via the same sampling and operational procedures as documented in our Project Report (File No. 25447) on the qualitative and quantitative determination of VCM in wastewater. (1)

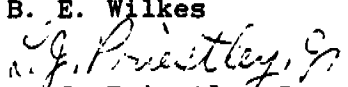
Our analysis shows the presence of VCM in the SCWTW effluent at a concentration of ~14 parts per billion (0.014 mg/l). The quantitative calculation is determined by using the calibration established back in August, '78; so as our instrument sensitivity has undoubtedly decreased somewhat since that time, our data is probably lower than the actual contained amount. However, we have not observed a significant reduction in sensitivity, which would indicate that ~0.025 mg/l would be a maximum value.

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Mr. L. E. Carlson
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These data are on file in our laboratory (Spl. No. 462) should further study prove necessary. We trust these data will prove sufficient for your needs.

Very truly yours,


B. E. Wilkes

L. J. Priestly, Jr.

BIBLIOGRAPHY

- (1) Wilkes, B. E., Priestley, L. J., "Vinyl Chloride, Qualitative and Quantitative Determination at Low PPB Concentrations in Wastewater by GC/MS," Project Report, File No. 25447, August 28, 1978.

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