

October 3, 1977

To: Mr. J. L. Worstell

cc: Mr. T. D. Epps
Mr. C. E. Fry
Mr. W. T. Gray
Mr. M. E. Griffith
Dr. R. W. Holland, Jr.
Mr. R. T. Kramer
Mr. D. C. Macauley
Mr. J. B. Sales
~~Mr. E. B. Wheeler, Jr.~~
Mr. H. L. Wise

RECEIVED

OCT 4 1977

R. N. WHEELER, JR.

From: C. C. Armstead
H. C. Jackson
W. C. Young

Subject: Monthly Ambient Air Vinyl Chloride Monitoring

Historical subject monitoring data and sampling network plot are attached.

80% of all samples collected this month fall in the "None Detected Category". The remainder border on the limit of reliable detection, i.e., ranging from 0.01 to 0.04 ppmv.

/nb

Attachment

UCC
034099

AMBIENT AIR VCM MONITORING

1974 - 1975

<u>Sample Location Type Sample</u>	<u>Fence Line Grab - CT (1)</u>	<u>Community Grab - CT</u>	<u>*Plant Grab - CT</u>
Total Samples	112 - 31	299 - 48	807 - 86
ND (None Detected)	103 - 25	285 - 30	671 - 47
>ND, <0.5 ppmv	9 - 6	14 - 18	115 - 36
≥0.5, <1.0 ppmv	None	None	9 - 1
≥1.0 ppmv	None	None	12 - 2

1976 (2)

Total Samples	94	121	117
ND (None Detected)	62	94	75
>ND, <0.5 ppmv	31	26	42
≥0.5, <1.0 ppmv	1	1	None
≥1.0 ppmv	None	None	None

1977

Total Samples	72	90	135
ND (None Detected)	43	51	60
>ND, <0.1 ppmv	26	38	68
≥0.1, <.5 ppmv	3	1	7
≥0.5, <1.0 ppmv	None	None	None
≥1.0 ppmv	None	None	None

CT is an abbreviation for charcoal tube.

1. Charcoal adsorption tube sample duration 4 - 6 hours
2. Grab samples discontinued.

*These samples are taken around the periphery of those units using VCM, i.e., roadways, etc.

None Detected = <Method sensitivity

Grab sample method sensitivity = <0.05 ppmv

Charcoal tube method sensitivity ≥ 0.01 ppmv (since mid 1976)

WCY

9/30/77

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