

25-1221

TO E. B. Katzenmeyer, Jr.	FIELD POINT OR DEPARTMENT & BLDG. NO. Akron, 5-H, Bldg. 0020	DATE YOUR LETTER
FROM P. M. Zakriski	FIELD POINT OR DEPARTMENT & BLDG. NO. Brecksville R&D Center	DATE THIS LETTER August 9, 1974
SUBJECT		

Analysis of Vinyl Chloride Personal Monitor Samples

The carbon tube personal monitor samples which arrived on August 2, 1974 have been analyzed. Corporate Environmental Services Lab has measured each amount of adsorbed vinyl chloride. These samples have been given a log number of 101. Please state that number in any inquiry about them.

The attached table gives the results of the analyses. The ppm values are based on the specific air volume sampled. The results have not been extrapolated to 8-hour time-weighted average values. Any inquiries about the sampling details of carbon tube exposures will be referred to you.

The ppm values were calculated on the assumption that all the sampling times were 10 min. and therefore the volumes were 10 liters. This assumption may have been false.

It is our estimate that vinyl chloride detected at 0.01 mg is reliable to $\pm 50\%$. For vinyl chloride detected at 0.1 mg the value is good to $\pm 5\%$.

Paul

PAUL M. ZAKRISKI

cad

cc: G. D. Schaaf
L. B. Crider
R&D Files

8502

23545001

BFG26215

23545002

BFG26216

Sample Number	Sampling Location	Job Class	Sampling Time (min)	Vinyl Chloride Concentration	
				mg	ppm
101-1B				.091	3.56
101-2B				.014	.55
101-3B				.125	4.89
101-4A				.311	12.17
101-4B				.086	3.36
101-5B				2.05	80.2
101-6A				.242	9.47
101-6B				.252	9.86
101-7A				1.36	53.2
101-7B				.217	8.49
101-8A				.274	10.72
101-8B				.187	7.31
101-9A				.766	29.97
101-9B				.155	6.06
101-10A				.523	20.4
101-10B				.096	3.75
101-11A				1.41	55.2
101-12A				.648	25.3
101-12B				.096	3.75
101-13B				.076	2.97
101-14B				.303	11.8
101-15B				.066	2.58
101-16B				.046	1.80
101-17A				3.26	127.5
101-17B				.155	6.06
101-18A				.463	18.1
101-18B				.044	1.72
101-19A				.357	13.96
101-19B				.034	1.32
101-20A				.597	23.3

Sample Number	Sampling Location	Job Class	Sampling Time (min)	Vinyl Chloride Concentration	
				mg	ppm
101-21A				.089	3.48
101-21B				.185	7.24
101-22A				.0788	3.08
101-22B				.156	6.12
101-24A				.300	11.7
101-24B				.0301	1.18
101-25B				.053	2.06
101-33				.029	1.15
101-34				.222	8.69
101-36				.135	5.28
101-37				.041	1.59

BFG26217