

25-1199

William Gillette

Gloucester

John Born

Brecksville R&D Center

THE B. F. GOODRICH CO. 3, 1974

8820-74

JUL 18 1974

Analysis of Vinyl Chloride Personal Monitor Samples**RESEARCH LIBRARY**

The carbon tube personal monitor samples which arrived on June 11, 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 26. Please state that number in any inquiry about them.

The following 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 exposure will be referred to you.

Sample Number	Sampling Location	Job Class	Sampling Time(min)	Vinyl Chloride Concentration	
				mg	ppm
11	Pap.* Area	Mixing Operator	180	0.13	0.28
12	East	Extruder Operator, 1st Class	180	0.18	0.39
13	Pap. Area	Mixing Operator	240	0.12	2.0
14	Pap. Area	Mixing Operator	235	0.70	1.2
15	Henschel Area	Mixing Operator	240	0.10	0.18
16	Line F	Extruder Operator	240	0.11	0.18
17	Line C	Line Operator	240	0.022	0.037
18	Line E	Over Chrome	240	0.28	0.47
	Polishing Stack	Rolls			
19	Lodice Mixer	Henschel Operator	240	0.075	0.13
20	Upstairs Office	Manager	235	0.035	0.059

*Papenmeier mixer

The above results are the same as those which were phoned to you on July 3. They were obtained and entered into our records on June 17, 1974. Through an oversight I did not send the customary letter report to you. Shortly after June 17 I adopted an accounting system to avoid just such a possible oversight. I regret any inconvenience which the delay has caused.

John W. Born
JOHN W. BORN

cad

cc: P. R. Schwaegerle, E. B. Katzenmeyer,
J. C. McCool, L. B. Crider, G. D. Schaaf,
R&D Files

BFG37126

24991001

25-1199

William Gillette

Gloucester Plant

John Born

Brecksville R&D Center

July 26, 1974

Analysis of Vinyl Chloride Personal Monitor Samples

The carbon tube personal monitor samples which arrived on July 12, 1974 have been analyzed. Corporate Environmental Services Lab has measured each amount of adsorbed vinyl chloride. These samples have been given log numbers of 67 and 68. Please state the log 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.

John W. Born

JOHN W. BORN

Dept. 8506

cad

cc: P. R. Schwaegerle
E. B. Katzenmeyer, Jr.
J. C. McCool
L. B. Crider
G. D. Schaaf
R&D Files

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JUL 31 1974

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Sample Number	Sampling Location	Job Class	Sampling Time (min)	Vinyl Chloride Concentration	
				mg	ppm
67-21	#4 Papenmeier	--	10	0.040	1.6
67-22	Line C Die	--	10	0.034	1.3
67-23	#3 Papenmeier	--	10	0.14	5.6
67-24	Henschel Platform	--	10	0.056	2.2
67-25	Line N Die	--	10	0.030	1.2
67-26	Line E Filter Area	--	10	0.037	1.4
67-27	Line F Filter Area	--	10	0.048	1.9
67-28	Lifflford Mixer	--	10	0.042	1.6
67-29	Line A Enclosed Grinder	--	10	0.028	1.1
67-30	Line E Enclosed Grinder	--	10	0.0080	0.31
68-31	Line N Filter Area	--	10	0.0081	0.32
68-32	Line C Feed Hopper	--	10	0.015	0.60
68-33	Roof-Main Building Exhaust Vent	--	10	0.012	0.46
68-34	Roof-Papenmeier Room Exhaust Vent	--	10	0.016	0.60
68-35	Line Q Die	--	10	0.047	1.8
68-36	Line Q Hopper	--	10	0.015	0.59
68-37	Breaker Plate Cleaning Oven	--	10	0.013	0.51
68-38	Line F Die	--	10	0.014	0.56
68-39	Hi-Temp Tower Exhaust Fan	--	10	0.021	0.84
68-40	Cube Gaylord at Line D	--	10	0.010	0.38

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25 1199 series

BFGoodrich

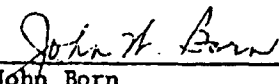
Inter-Organization Correspondence

TO Bill Gillett	FIELD POINT OR DEPARTMENT & BLDG. NO. Gloucester Plant	DATE YOUR LETTER
FROM John Born	FIELD POINT OR DEPARTMENT & BLDG. NO. Brecksville R&D Center	DATE THIS LETTER Jan. 21, 1975
SUBJECT		

Analysis of Vinyl Chloride Personal Monitor Samples

The carbon tube personal monitor samples which arrived on Dec. 13, 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 196. 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.


 John Born

jb

cc: E. B. Katzenmeyer, Jr.
 J. C. McCool
 L. B. Crider
 P. R. Schwaegerle
 R. S. DeFries

THE B. F. GOODRICH CO.

JAN 23 1975

RESEARCH LIBRARY

24991004

PERSONAL MONITORING DATA

MICRONAIR PUMPS (ADJUSTED TO FLOW 1 L/M THROUGH A CARBON TUBE).
CHARCOAL TUBES: 20 ML. WESTVACO NUCSAR WV-H, 8 x 30 MESH.
AIRFLOW RATE CALIBRATION: 1.0 LITER/MIN. ON FLOWRATER =

*
= L/M BASED ON BUBBLEOMETER.

PLANT: Gloucester
DATE: 12/10/74
ANALYSIS BY: R. Gross (Dept. 8)
APPROVED BY:

Sample No. and Date Taken	Sampling Location (Bldg., etc.)	Name of Employee	Job Class	Specific Operations	Expos. Time (min)	ACTUAL Airflow Rate (liters/min)	Remarks	ANALYSIS & CALCULATIONS			
								Sample Time (min.)	Sample Vol. (liters)	Total VCM (mg)	VCM* (ppm in air)
# 71 11/27/74	951-west Littleford area	J. Favazza	ing erator	Littleford mixing	240	1.0	Homopolymer	240	240	0.053	0.086
# 72	951-west Paps 1+2	P. Cameron	ing erator	Mixing	240	1.0	Copolymer	240	240	0.13	0.21
# 73	951-west Paps 3+4	R. Parks	ing erator	Mixing	240	1.0	Copolymer Pap 4 Homopolymer Pap 3	240	240	0.14	0.24
# 74	951-west Littleford area	M. Favazza	ing erator	Mixing batch	15	1.0	Homopolymer	15	15	<0.005	<0.10
# 75	951-west Paps 1+2	P. Cameron	ing erator	Mixing batch	15	1.0	Copolymer	15	15	0.0088	0.23
# 76	951-west Paps 3+4	R. Parks	ing erator	Mixing batch	15	1.0	Homopolymer	15	15	0.0070	0.18

This space is reserved for the analyst group. *This value is not a time-weighted average. It is based on the specific air volume sampled.

LOG NO. 196 CHAR: 220 DATE RECEIVED 12-13-74 DATE REPORTED 1-17-75

BFG37130

24991005

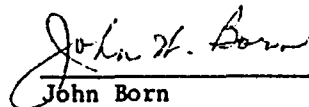
25-1199 series

Inter-Organization Correspondence			
TO	FIELD POINT OR DEPARTMENT & BLDG. NO.	DATE YOUR LETTER	
Bill Gillett	Gloucester Plant		
FROM	FIELD POINT OR DEPARTMENT & BLDG. NO.	DATE THIS LETTER	
John Born	Brecksville R&D Center	Jan. 21, 1975	
SUBJECT			

Analysis of Vinyl Chloride Personal Monitor Samples

The carbon tube personal monitor samples which arrived on January 2, 1975 have been analyzed. Corporate Environmental Services Lab has measured each amount of adsorbed vinyl chloride. These samples have been given a log number of 205. 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.


John Born

jb

cc: E. B. Katzenmeyer, Jr.
J. C. McCool
L. B. Crider
P. R. Schwaegerle
~~R & D Files~~

THE B. F. GOODRICH CO.

JAN 23 1975

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PERSONAL M. TITRATING DATA

PLANT: Gloucester
 DATE: 12/26/74
 ANALYSIS BY: J. VALENTI (DEPT. 8506)
 APPROVED BY:

MICRONAIR PUMPS (ADJUSTED TO FLOW 1 L/M THR
 CHARCOAL TUBES: 20 ML. WESTVACO NUCHEAR WV
 AIRFLOW RATE CALIBRATION: 1.0 LITER/MIN. ON

IGH A CARBON TUBE).
 8 x 30 MESH.
 FLOW RATE =

= L/M BAS

ON BUBBLEOMETER.

Sample No. and Date Taken	Sampling Location (Bldg., etc.)	Name of Employee	Job Class	Specific Operations	Expos. Time (min)	ACTUAL Flow Rate (liters/min)	Remarks	ANALYSIS & CALCULATIONS			
								Sample Vol. (liters)	Total VCM (mg)	VCM* (ppm in air)	
#83 12/19/74	951 west Paps 3+4	D. Hobbs	Mixing Operator	Mixing	240	1.0	copolymer + homopolymer	240	0.20	0.33	
84 12/19/74	951 west Littleford area	R. Pereira	Mixing Op.	Mixing	240	1.0	homo- polymer	240	0.040	0.065	
85 12/19/74	951 west Paps 1+2	V. Ciaramitaro	Mixing Op.	Mixing	15	1.0	copolymer	15	0.035	0.91	
86 12/20/74	951 west Paps 1+2	V. Ciaramitaro	Mixing Op.	Mixing	240	1.0	copolymer	240	0.11	0.19	
87 12/20/74	951 west Littleford	R. Pereira	Mixing Op.	Mixing	15	1.0	homo- polymer	15	0.0040	0.11	
88 12/20/74	951 west Paps 1+2	D. Hobbs	Mixing Op.	Mixing	15	1.0	copolymer + homopolymer	15	0.025	0.65	

This space is reserved for the analytical group. *This value is not a time-weighted average. It is based on the specific air volume sampled.

LOG NO. 205 CHART NO. 229

DATE RECEIVED 1-2-75

DATE REPORTED 1-17-75

J. H. Brown

29991007

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PERSONAL MC ORING DATA

MICRONAIR PUMPS (ADJUSTED TO FLOW 1 L/M THROUGH A CARBON TUBE).
CHARCOAL TUBES: 20 ML. WESTVACO NUCHAR WV-H, 8 x 30 MESH.
AIRFLOW RATE CALIBRATION: 1.0 LITER/MIN. ON FLOWRATER =

= L/M BASED ON BUBBLEOMETER.

PLANT: Gloucester
DATE: 12/13/74
ANALYSIS BY: ENVIRONMENTAL LAB
APPROVED BY:

Sample No. and Date Taken	Sampling Location (Bldg., etc.)	Name of Employee	Job Class	Specific Operations	Expos. Time (min)	ACTUAL Airflow Rate (liters/min)	Remarks	ANALYSIS & CALCULATIONS			
								Sample Time (min.)	Sample Vol. (liters)	Total VCM (mg)	VCM* (ppm in air)
#77 12/11/74	951-west Paps 1+2	J. Fitzgerald	Mixing Operator	Mixing Pap 1+2	245	1.0	Copolymer		245	.84	1.3
78 12/11/74	951-west Littleford area	G. Mitchell	"	Mixing Littleford	240	1.0	Homopolymer		240	.16	.3
79 12/11/74	951-west Paps 1+2	J. Fitzgerald	"	Mixing one batch Pap #1	15	1.0	Copolymer		15	.05	1.3
80 12/11/74	951-west Littleford area	C. Meuse	"	Mixing one batch on Littleford	15	1.0	Homopolymer		15	.03	.9
81 12/11/74	951-west Paps 3+4 area	C. Meuse	"	Mixing one batch Pap #3	15	1.0	Copolymer		15	.10	2.6
82 12/13/74	951-west Pap 3+4 area	C. Meuse	"	Mixing (cleaned blender)	110	1.0	Copolymer (Pap 4 down)		110	.40	1.4

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This space is reserved for the analytical group. *This value is not a time-weighted average. It is based on the specific air volume sampled.

LOG NO. 200

CHART NO.

DATE RECEIVED 12-17-74

DATE REPORTED 1-3-75

24991008

BFG37133

DATE: 0/2/74

PERSONAL MONITORING DATA

PLANT Gloucester
BLDG 951

Chart #175

Log #150

MICROAIR PUMPS

CHARCOAL TUBES

FLOW RATE CALIBRATION

ACTUAL

FLOW RATE

ACTUAL

FLOW RATE

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ACTUAL

20 ml. Westvac Nuclear W-4M 8x30x

1.0 liter/min. Flowmeters

based on Bubblemeter rating

ANALYSIS - CALCULATIONS

SAMPLE #	SAMPLE VOLUME	SAMPLE TIME	VCM (mg.)	VCM-P (TVU)
51	1.1			44.2
52	.02			0.82
53	.004			0.14
54	1.29			50.6
55	0.17			6.5

REMARKS

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SAMPLE No.	LOCATION	EMPLOYEE	CLASS	SPECIFIC OPERATIONS	TIME	FLOW RATE ACTUAL	REMARKS	*Corrected
51	Henschel mixing room	Stationary sample at Henschel	(cold) homopolymer	henschel homopolymer	2:01 2:11	1.00	begin end	
52	Henschel mixing room	Stationary sample at resin pellets homopolymer			2:19 2:29	1.00	begin end	
53	Henschel mixing room	Stationary sample at blender (cool), homopolymer			2:40 2:50	1.00	begin end	
54	Pap area	Stat. sample at Pap. mixer # during batch of homopolymer (line)			3:30 3:40	1.00	begin end	
55	Henschel mixing room	Stat. sample at Henschel during batch, homopolymer			4:25 4:35	1.00	begin end	

Stationary sample at Henschel

(cold) homopolymer

henschel homopolymer

Stationary sample at resin pellets homopolymer

Stationary sample at blender (cool), homopolymer

Stat. sample at Pap. mixer # during batch of homopolymer (line)

Stat. sample at Henschel during batch, homopolymer

Flow Rate Actual

Remarks

*Corrected

Calibration

Flowmeter

Flow Rate

Flow Rate

Flow Rate

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25-1199

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25-1199

TO Bill Gillett	FIELD POINT OR ADDRESS (PARTIAL IF A RELAY NO.) Gloucester, Mass	8502-7 8820-74
FROM P. M. Zakriski	FIELD POINT OR ADDRESS (PARTIAL IF A RELAY NO.) Brecksville R&D Center	DATE THIS LETTER June 5, 1974
SUBJECT		

Analysis of Vinyl Chloride Personnel Monitors for Building 951

We have completed the analysis of your personnel monitor, carbon tubes, for vinyl chloride. The results of our analyses are presented below.

<u>Sample No.</u>	<u>Operation</u>	<u>mg vinyl chloride</u>	<u>ppm vinyl chloride</u>
1	mixing operator	0.03	0.09
2	extruder operator	0.025	0.07
3	mixing operator	0.028	0.08
4	mixing operator	0.05	0.11
5	line operator	0.025	0.07
6	mixing operator	0.10	0.19
7	extruder operator	0.02	0.04
8	extruder operator	0.02	0.03
9	extruder operator	0.02	0.04
10	extruder operator	0.02	0.03

The ppm values are calculated on the basis of the specific volume of air sampled. These results have not been extrapolated to an 8 hour TWA value.


PAUL M. ZAKRISKI

cad

cc: E. B. Katzenmeyer, Jr.
J. McCool
L. B. Crider
G. Schaaf
P. R. Schwaegerle
R&D Files

THE B. F. GOODRICH CO.

JUN 7 1974

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24991011

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25-1199

B. F. Goodrich		
TO William Gillett	FIELD POINT OR DEPARTMENT & BLDG. NO. Gloucester	DATE YOUR LETTER
FROM Elizabeth R. Gleason	FIELD POINT OR DEPARTMENT & BLDG. NO. Brecksville R&D Center	DATE THIS LETTER Sept. 11, 1974
SUBJECT		

Analysis of Vinyl Chloride Personal Monitor Samples

The carbon tube personal monitor samples which arrived on August 21, 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 117. 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.

Elizabeth R. Gleason
ELIZABETH R. GLEASON

cad
cc:

P. R. Schwaegerle
E. B. Katzenmeyer, Jr.
J. C. McCool
L. B. Crider
G. D. Schaaf
R&D Files

THE B. F. GOODRICH CO.
SEP 14 1974
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24991012

Sample Number	Employee	Job Class	Sampling Time (min)	Vinyl Chloride Concentration	
				mg	ppm
48	P. Cameron		90	.02	.07
49			10	.01	.36
50			10	.007	.29
51			10	.01	.54
52	V. Ciaramitaro		90	.02	.08
53			10	.01	.59
54			10	.02	.93
55			240	.02	.04
56	B. Gillers		10	.02	.69
57			10	.01	.56
58			10	.02	.69
59			10	2.2	84.
60			10	.05	1.8

BFG37138

24991013

25-1199

TO William Gillett		FIELD POINT OR DEPARTMENT & BLDG. NO. Gloucester	DATE YOUR LETTER
FROM John Born		FIELD POINT OR DEPARTMENT & BLDG. NO. Brecksville R&D Center	DATE THIS LETTER Sept. 11, 1974
SUBJECT			

Analysis of Vinyl Chloride Personal Monitor Samples

The carbon tube personal monitor samples which arrived on July 26, 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 87. 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. These results were telephoned July 29, 1974

John W. Born

JOHN W. BORN

cad

cc: P. R. Schwaegerle
E. B. Katzenmeyer, Jr.
L. B. Crider
J. C. McCool
G. D. Schaaf
✓ R&D Files

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THE B. F. GOODRICH CO.

SEP 19 1974

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24991014

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<u>Sample Number</u>	<u>Vinyl Chloride Concentration</u>	
	<u>mg</u>	<u>ppm</u>
41	.057	.35
42	.14	.96
43	.15	.94
44	.031	.20
46	.12	.43
47	undetectable	

24991015

BFG37140