

PLAINTIFF'S EXHIBIT

MON-2310

MONSANTO COMPANY
CORPORATE RESEARCH DEPARTMENT
PHYSICAL SCIENCES CENTER
MICROSCOPY GROUP
ST. LOUIS

ASBESTOS FIBER COUNT

FOR- R, KLOCKMANN

LOCATION- CHOCOLATE BAYOU

SAMPLE IDENTIFICATION

2
FROM COLUMN 3003
IN ACRYLONITRILE DEPT.

TOTAL NUMBER OF FIELDS COUNTED	=	27.	
FIELD SIZE	=	0.003842	SQUARE MILLIMETERS
TOTAL NUMBER OF FIBERS COUNTED	=	10.	
AVERAGE NUMBER OF FIBERS PER FIELD	=	0.370	
AREA OF FILTER	=	855.	SQUARE MILLIMETERS
TOTAL NUMBER OF FIBERS ON FILTER	=	82422.	
AIR FLOW	=	2.000	LITERS PER MINUTE
SAMPLING TIME	=	317.	MINUTES
TOTAL VOLUME OF AIR SAMPLED	=	634.00	LITERS

FIBERS PER CUBIC CENTIMETER OF AIR = 0.130

DATE- 5-19-1977
COUNTED BY- JOHN RUPRECHT
REQUEST NO. 002602
COMPUTED BY PROGRAM JDFASB VERSION 003

MAP 04368

LAM000199

Sample # 77
Date 4-27-77

EXPOSURE MEASUREMENT RECORD

Department Hal Area 30D3

Type of Sample: Area Breathing Zone ✓ Urine GRAB

Employee Name J. C. Carter S.S. #

Substance Sampled For: Asbestos

Department Operating Conditions: Normal ✓ Abnormal

Temp. 67°F Bar Pres. 767.1 Rel. Hum. 80%

Sampling/analytical method

Precision of Method

Calibration Data Location by Date

Time on 1017 Time off 1535

Elapsed Time(min) Flow Rate(LPM) Volume(liters)

Remarks(possible interferences, etc.) OMC - Removing Asbestos from 30D3

Results:

Exposure(8hr TWA or 15 min)

Sampled by RRK Date

REF: Notebook # Page #

Data in computer: YES NO

Pump #2
Filter #2

001

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ASBESTOS FIBER COUNT

FOR- R. KLOCKMANN

LOCATION- CHOCOLATE BAYOU

SAMPLE IDENTIFICATION

1
FROM COLUMN 3003
IN ACRYLONITRILE DEPT.

TOTAL NUMBER OF FIELDS COUNTED	=	29.	
FIELD SIZE	=	0.003842	SQUARE MILLIMETERS
TOTAL NUMBER OF FIBERS COUNTED	=	14.	
AVERAGE NUMBER OF FIBERS PER FIELD	=	0.483	
AREA OF FILTER	=	855.	SQUARE MILLIMETERS
TOTAL NUMBER OF FIBERS ON FILTER	=	107433.	
AIR FLOW	=	2.000	LITERS PER MINUTE
SAMPLING TIME	=	321.	MINUTES
TOTAL VOLUME OF AIR SAMPLED	=	642.00	LITERS

FIBERS PER CUBIC CENTIMETER OF AIR = 0.167

DATE- 5-19-1977
COUNTED BY- JOHN RUPRECHT
REQUEST NO. 002602
COMPUTED BY PROGRAM JDFASB VERSION 003

MAP 04370

LAM000201

MONSANTO COMPANY
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PHYSICAL SCIENCES CENTER
MICROSCOPY GROUP
ST. LOUIS

ASBESTOS FIBER COUNT

FOR= R, KLOCKMANN

LOCATION= CHOCOLATE BAYOU

SAMPLE IDENTIFICATION

0
BLANK

TOTAL NUMBER OF FIELDS COUNTED	23.	
FIELD SIZE	0.003842	SQUARE MILLIMETERS
TOTAL NUMBER OF FIBERS COUNTED	0.	
AVERAGE NUMBER OF FIBERS PER FIELD	0.000	
AREA OF FILTER	855.	SQUARE MILLIMETERS
TOTAL NUMBER OF FIBERS ON FILTER	0.	
AIR FLOW	0.000	LITERS PER MINUTE
SAMPLING TIME	0.	MINUTES
TOTAL VOLUME OF AIR SAMPLED	0.00	LITERS
FIBERS PER CUBIC CENTIMETER OF AIR	0.000	

DATE= 5-19-1977
COUNTED BY= JOHN RUPRECHT
REQUEST NO. 002602
COMPUTED BY PROGRAM JDFASB VERSION 003

MAP 04371

LAM000202

Sample # 76
Date 4-27-77

EXPOSURE MEASUREMENT RECORD

Department AN Area 3003

Type of Sample: Area Breathing Zone ✓ Urine GRAB

Employee Name LARRY REASOLO S.S. #

Substance Sampled For: Asbestos

Department Operating Conditions: Normal Abnormal

Temp. 67 Bar Pres. 767.1 Rel. Hum. 80%

Sampling/analytical method

Precision of Method

Calibration Data Location by Date

Time on 1015 Time off 1535

Elapsed Time(min) Flow Rate(LPM) Volume(liters)

Remarks(possible interferences, etc.) OMC - Removing asbestos insulation from 3003

Results:

Exposure(8hr TWA or 15 min)

Sampled by AKK Date

REF: Notebook # Page #

Data in computer: YES NO

Ream #1
Filter #1

002

MONSANTO COMPANY
CORPORATE RESEARCH LABORATORY
PHYSICAL SCIENCES CENTER
MICROSCOPY GROUP

ST. LOUIS

ASBESTOS FIBER COUNT

FOR: J. C. EDWARDS

LOCATION: CHOCOLATE BAYOU

SAMPLE IDENTIFICATION

AN = 3
B-10-78

	SAMPLE	BLANK
TOTAL NUMBER OF FIELDS COUNTED =	23,	65,
TOTAL NUMBER OF FIBERS COUNTED =	0,	0,
AVERAGE NUMBER OF FIBERS PER FIELD =	0.000	0.000
TOTAL NUMBER OF FIBERS ON FILTER =	0,	0,
CORRECTED NUMBER OF FIBERS ON FILTER =	0,	

AIR FLOW =	2.000	LITERS PER MINUTE
SAMPLING TIME =	15,	MINUTES
TOTAL VOLUME OF AIR SAMPLED =	30.000	LITERS

FIBERS PER CUBIC CENTIMETER OF AIR = 0.000

DATE: 8-26-1978 REQUEST NO. 803433
FIELD SIZE = 0.003642 SQ. MM FILTER SIZE = 835, SQ. MM
COUNTED BY JOHN RUPRECHT *John Ruprecht*
COMPUTED BY PROGRAM JOFASB VERSION 005

MAP 04373

LAM000204

REMARKS:

DATE:

H.A.

0046 00030 78

1.0

CHOC. BAYOU

AN

ROUTINE

02 2A 20 20 20 20 20 20 20

003

ASBESTOS

001332214

05

300

US

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15

3.0

003

81078

UNIT WALK THER

INQ H46 7076

P S S F S

SHIFT
1 = Day
2 = Evening
3 = Night
4 = Undetermined

4.0

003

EDWARDS

VER 153

599245134

INQ H46 7076

1

STANDARD TYPES
OS-OSHA
TL-TLV
DM-DMH
B-Biologic
OT-Other

UNIT CODES
MG-MG/CU.M.
UG-1/CU.M.
PP-Parts Per Million
PB-Parts Per Billion
OT-Other
DB-Decibels

SAMPLE TYPES
P Personal
B Breathing Zone
G-General Area
S-Source Sample
F-Fixed Point
O-Other

DETERMINATION TYPES
T TWA
B Breathing Zone
G-General Area
S-Source Sample
F-Fixed Point
O-Other

MEASUREMENT TYPES
F Full Period Single
C Full Period Consecutive
P Partial Period
S Single Grab
G Series Grab
O Other

COLLECTION DEVICE CODES
G Grab Sample
F Filter
D Direct Reading Inst.
T Detector Tube
N Dosimeter
A Adsorption Tube
I Impinger/Bubbler

ANALYSIS CODES
C Chromatography
S Spec. Iroscopy
G Gravimetric
E Ion Specific
X X-ray Diffraction
A Colorimetric
O Other

CONTROL CODES
LE Local Exhaust
PT Protective Equipment
HE Respirator
OT Other
ND None