



7979 GSRI AVE • BATON ROUGE, LA 70820

ASBESTOS FIBER COUNT ANALYSIS

for

DOW CHEMICAL COMPANY
Post Office Box 150
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ATTENTION: Jackie Paul

June 15, 1988

drb

88-3810

DO A 116539
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DOW CHEMICAL COMPANY
Plaquemine, Louisiana

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Eight (8) filter cassette samples were received on June 14, 1988, from Dow Chemical Company for asbestos fiber count. Fibers larger than 5 microns in length were counted by means of phase-contrast microscopy at a magnification of 400X. The procedure recommended by NIOSH Method 7400A was followed.

Pertinent information regarding fiber counts is as follows:

Field Area: 0.00785 mm^2 (Walton Beckett Graticule)

Effective Collecting Area:

385 mm^2 (25mm Cassette)

855 mm^2 (37mm Cassette)

Limit of Quantitation: 10 fibers/100 fields

Limit of Detection: > Average Blank Count

* Detection limits are based upon a minimal count of 10 fibers/100 fields.

Results are as follows:

<u>Sample ID.</u>	<u>Fibers</u> (<u>>5um</u>) <u>Observed</u>	<u>No. of</u> <u>Fields</u> <u>Observed</u>	<u>Fibers</u> <u>per</u> <u>Filter</u>	<u>Volume</u> <u>of</u> <u>Air (L)</u>	<u>Fibers</u> (<u>>5um</u>) <u>per c.c.</u> <u>of Air</u>
08559	19 - 1 = 18	100	8,828	-----	-----
08560	17 - 1 = 16	100	7,847	-----	-----
Blank	1	100	490	-----	-----
0954	8 - 1 = 7	100	3,433	-----	-----
0955	9 - 1 = 8	100	3,924	-----	-----
0956	38 - 1 = 37	100	18,147	-----	-----
0959	1 - 1 = 0	100	<490	-----	-----
0960	16 - 1 = 15	100	7,357	-----	-----

Philip W. West
Philip W. West, Ph.D.
Laboratory Director

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