PLAINTIFF'S EXHIBIT

KRC-666

HAGER LABORATORIES, INC.

11234 E. Caley Avenue
Englewood, Colorado 80111
(303) 790-2727 (800) 282-1835

REPORT ON SERVICE NUMBER 28608IH
October 26, 1987

To: Caroline DeYong
Southwestern Refinery
Corpus Christi, Texas

Analysis: The following samples were submitted for analysis:
Three membrane filter samples and two blanks for asbestos count.
Four charcoal tube samples and one blank for benzene.

Method: ASBESTOS (count)
The fiber content of each filter sample was analyzed following NIOSH procedure 7400. Wedges from each filter were examined at 450 power using a phase contrast microscope. Fibers longer then five (5) microns with a length-to-width ratio of 3:1 or more were counted as asbestos.

ORGANIC VAPORS
The sample was analyzed as specified above for: benzene, NIOSH Procedure 1501. The organic vapors were desorbed from the media with a solvent and the solvent analyzed using gas chromatography with flame ionization detection. Milligram values were corrected for desorption efficiency. The chromatographic peak for each analyte was compared to a calibration curve obtained from standard solutions.

Results: The results are found on Table 1 and 2.

Discussion: The present OSHA permissible exposure limit (PEL) for asbestos is 0.2 fibers/cc.

The OSHA permissible exposure limit (PEL) for benzene is 10 ppm.

Sample #87-230 and 87-231 were confirmed on the second column for benzene.

LT( ) indicates "less than" with the lower limit of quantification shown in parentheses.

SWRf/Asbestos 1501

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TABLE 1

Sample Number	Counted (fibers)	Counted (fields)	Total (fibers)	Air Volume (liters)	Air Concentration (fibers/cc)
87-229	113.	40.	124000.	935.	0.13
87-234	43.	100.	18800.	853.	0.02
87-235	20.	100.	8760.	920.	0.01
Blank	0.	100.	LT(4380.)	-	-
Blank	2.	100.	LT(4380.)	-	-

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TABLE 2

Sample Number	benzene Main (mg)	Back-up (mg)	Air Volume (liters)	Air Concentration	
Blank	LT(0.005)	LT(0.005)	-	-	ppm
87-230	0.101	LT(0.005)	4.40	7.2	ppm
87-231	0.106	LT(0.005)	4.40	7.5	ppm
87-232	LT(0.005)	LT(0.005)	1.50	LT(2.)	ppm
87-233	LT(0.005)	LT(0.005)	1.50	LT(2.)	ppm

Discussion (cont.) All samples have been corrected for the blank unless otherwise noted.

Laboratory data are filed and available upon request.

Hager Laboratories Inc. has been AIHA accredited since 1977.

If you have any questions, please call customer service.

Submitted by: Maria Aleynikov by DV
Maria Aleynikov
Supervisor

MA/sn