



Dow U.S.A.

The Dow Chemical Company
P.O. Box 150
Plaquemine, Louisiana 70765-0150

April 8, 1992

Daniel Cortez Petrin Building 4106
Eddie Guillory Petrin

PRODUCED FOR THE ASBESTOS DATABASE

DATE: 4-9-92

MASTER No. 4338711 OSC

cc: Dale Crochet CA II Building 3601

Asbestos Monitoring

Enclosed are sample results for potential exposure to asbestos.

The OSHA 8-hour permissible exposure limit for asbestos is 0.2 f/cc >5 microns and the 30-minute short term exposure limit is 1 f/cc >5 microns.

The results displayed are based on sampling duration.

The data sheet shows the results of exposure using two methods, the Limit of Detection (LOD) and the Limit of Quantitation (LOQ). Included on the data sheet is an explanation of the method Limit of Quantitation.

Thank you,

Darlene S. Creel
Industrial Hygiene
Ext. 6181
Building 3502-E

Attachment

dsc

DO A 114896
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LOUISIANA DIVISION INDUSTRIAL HYGIENE SAMPLE RECORD

SAMPLE NO 13551

PLANT/DEPT. C A-2
MONITORING FOR: Asbestos FibersDATE 4-7-92
OTHER CHEMICALS PRESENT: _____

SAMPLE COLLECTION MEDIA:

- ☐ BADGE NO. _____ TYPE _____
TEMP/HUMIDITY: (REQUIRED FOR BADGES) _____
☐ CHARCOAL TUBE SIZE _____
☒ FILTER CASSETTE SIZE 25mm
☐ SILICA TUBE SIZE _____
☐ DRAGER TUBE TYPE _____
☐ OTHER _____

PUMP SERIAL NO. 9796
CALIBRATION DEVICE: ☒ BUBBLEMETER ☐ ROTAMETER
☐ OTHER _____

PUMP FLOW RATE CALIBRATION:

BEGIN: 1. 2510 2504
2. 2518
3. 2510BEGINNING FLOW RATE AVG. 2511 ☒ CC/MIN ☐ L/MINENDING: 1. 2493
2. 2473 2430
3. 2423ENDING FLOW RATE AVG. 2447 ☒ CC/MIN ☐ L/MINSAMPLE AVERAGE FLOW RATE 2479TIME STARTED 4:30 AM
TIME STOPPED 5:00 AM
TOT. RUNNING TIME(MIN) 30 minSAMPLE VOLUME (AVG FLOW X RUN TIME) 74SHIFT: ☒ 8 HR. ☐ 12 HR. ☒ PERSONNEL SAMPLE ☐ AREA SAMPLE
☐ FULL SHIFT TWA
☐ STEL/TASKEMPLOYEE NAME Darwin Breouf
EMPLOYEE I.D.# 438-21-6291
JOB CLASSIFICATION insulator
IH JOB CODE # _____
CONTRACTOR COMPANY Petrin Corp.RESPIRATOR USED? ☒ YES ☐ NO
RESPIRATOR MODEL / CANISTER TYPE North 7700 w/hypr
☐ MOUTH-BIT ☐ DUST ☒ HALF-FACE
☐ FULL-FACE ☐ AIR-LINE ☐ SCBADESCRIPTION OF AREA SAMPLED/JOB PERFORMED DURING MONITORING Removing 12" pipe insulation - met
MethalANALYTICAL REPORT REFERENCE # _____
ANALYTICAL RESULTS: 0.490 20.01 <0.52
West Pine Lab LOD LOD
* RESTRICTED FOR USE WITHIN DOW ONLY * VP-124 FORM FILLED IN BY: Eddie M. MullaDO A 114897
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LOUISIANA DIVISION INDUSTRIAL HYGIENE SAMPLE RECORD

SAMPLE NO 13552

PLANT/DEPT. CH-2MONITORING FOR: Asbestos FibersDATE 4-7-92

OTHER CHEMICALS PRESENT: _____

SAMPLE COLLECTION MEDIA:

☐ BADGE NO. _____ TYPE _____

TEMP/HUMIDITY: (REQUIRED FOR BADGES) _____

☐ CHARCOAL TUBE SIZE _____☒ FILTER CASSETTE SIZE 25 mm☐ SILICA TUBE SIZE _____☐ DRAGER TUBE TYPE _____☐ OTHER _____PUMP SERIAL NO. 5122CALIBRATION DEVICE: ☒ BOBBLEMETER☐ ROTAMETER☐ OTHER _____

PUMP FLOW RATE CALIBRATION:

BEGIN: 1. 25802. 25543. 25492547BEGINNING FLOW RATE AVG. 2550☒ CC/MIN ☐ L/MINENDING: 1. 24982. 24963. 24942494ENDING FLOW RATE AVG. 2496☒ CC/MIN ☐ L/MIN

SAMPLE AVERAGE FLOW RATE

2523

TIME STARTED

5:00 AM

TIME STOPPED

5:30 AM

TOT. RUNNING TIME(MIN)

30 min.

SAMPLE VOLUME (AVG FLOW X RUN TIME)

76EMPLOYEE NAME Gary BrooksEMPLOYEE I.D.# 551-17-4410JOB CLASSIFICATION insulator

IH JOB CODE # _____

CONTRACTOR COMPANY

Patrin Corp.RESPIRATOR USED? ☒ YES ☐ NORESPIRATOR MODEL / CANISTER TYPE North 7700 w/hepa☐ MOUTH-BIT☐ DUST☒ HALF-FACE☐ FULL-FACE☐ AIR-LINE☐ SCBA

DESCRIPTION OF AREA SAMPLED/JOB PERFORMED DURING MONITORING

MethalRemovng 12" Asbestos insulation Mat

ANALYTICAL REPORT REFERENCE # _____

ANALYTICAL RESULTS: 1962West Pine Ave

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EXPOSURE GUIDELINES

8-HR. TWA LIMIT - 0.20 FIB/CC

30-MINUTE LIMIT = 1.0 FIB/CC

LIMIT OF DETECTION = 7 FIB/MM2

LIMIT OF QUANTITATION = 100 FIB/MM2

**LOD

***LOQ

ASBESTOS MONITORING DATA RESULTS: CA JL 1992

DATE	SAMPLE #	PERSONNEL	DESCRIPTION	DUR(MIN)	VOL(L)	** LOD FIB/CC	***LOQ FIB/CC
4/7/92	13551	*438-21-8291	Insulator: Removing 12" pipe insulation WET METHOD USED	30	74	<0.01	<0.52
4/7/92	13552	*551-17-4410	Insulator: Removing 12" pipe insulation WET METHOD USED	30	76	0.03	<0.51

* The proper protective clothing was worn during the job. North 7700 Respirator with HEPA filters were worn during the job.

Note: The Limit of Quantitation has been defined as 100 Fibers/MM2 using the minimum fiber loading criteria specified. In the NIOSH analytical method 7400, the stated range of the method is 100 to 1300 Fibers/MM2 filter area. Although samples below this range can be analyzed, the method has not been validated below 100 Fibers/MM2. However, the NIOSH method 7400 also establishes the estimated Limit of Detection as 7 Fibers/MM2 (Reference OSHA Std. 1910.1001, Appendix B). Based on this information, we will establish 100 Fibers/MM2 filter area as our Limit of Quantitation and 7 Fibers/MM2 filter area as our Limit of Detection (which is more representative of the actual fibers present) for asbestos monitoring. We will report both Limit of Quantitation and Limit of Detection.

If only Limit of Quantitation were expressed, the minimum reportable result would calculate to be 0.04 Fibers per cc for an 8-hr. Time weighted average sample at a flow rate of 2 liters per minute and 0.8 fibers per cc for a 30 minute time weighted average short term sample at a flow rate of 2 liters per minute.

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EXPOSURE GUIDELINES

8-HR. TWA LIMIT = 0.20 FIB/CC

30-MINUTE LIMIT = 1.0 FIB/CC

LIMIT OF DETECTION = 7 FIB/MM2

LIMIT OF QUANTITATION = 100 FIB/MM2

**LOD

***LOQ

ASBESTOS MONITORING DATA RESULTS: CA II 1992

DATE	SAMPLE #	PERSONNEL	DESCRIPTION	DUR(MIN)	VOL(L)	** LOD FIB/CC	***LOQ FIB/CC
3/13/92	13822	*433-23-2853	Insulator: Removing asbestos Insulation from small line WET METHOD USED	30	73	<0.01	<0.53
3/13/92	13823	*433-19-6528	Insulator: Removing asbestos Insulation from small line WET METHOD USED	30	78	<0.01	<0.49

* The proper protective clothing was worn during the job. North 7700 Respirator with HEPA filters were worn during the job.

Note: The Limit of Quantitation has been defined as 100 Fibers/MM2 using the minimum fiber loading criteria specified. In the NIOSH analytical method 7400, the stated range of the method is 100 to 1300 Fibers/MM2 filter area. Although samples below this range can be analyzed, the method has not been validated below 100 Fibers/MM2. However, the NIOSH method 7400 also establishes the estimated Limit of Detection as 7 Fibers/MM2 (Reference OSHA Std. 1910.1001, Appendix B). Based on this information, we will establish 100 Fibers/MM2 filter area as our Limit of Quantitation and 7 Fibers/MM2 filter area as our Limit of Detection (which is more representative of the actual fibers present) for asbestos monitoring. We will report both Limit of Quantitation and Limit of Detection.

If only Limit of Quantitation were expressed, the minimum reportable result would calculate to be 0.04 Fibers per cc for an 8-hr. Time weighted average sample at a flow rate of 2 liters per minute and 0.6 fibers per cc for a 30 minute time weighted average short term sample at a flow rate of 2 liters per minute.

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LOUISIANA DIVISION INDUSTRIAL HYGIENE SAMPLE RECORD

SAMPLE No 13822

PLANT/DEPT. CAIMONITORING FOR: Asbestos FibersDATE 3-13-92

OTHER CHEMICALS PRESENT: _____

SAMPLE COLLECTION MEDIA:

☐ BADGE NO. _____ TYPE _____

TEMP/HUMIDITY: (REQUIRED FOR BADGES) _____

☐ CHARCOAL TUBE SIZE _____☒ FILTER CASSETTE SIZE 25mm☐ SILICA TUBE SIZE _____☐ DRAGER TUBE TYPE _____☐ OTHER _____PUMP SERIAL NO. 9796CALIBRATION DEVICE: ☒ BUBBLEMETER☐ ROTAMETER☐ OTHER _____

PUMP FLOW RATE CALIBRATION:

BEGIN: 1. 2559 25392. 25453. 2537BEGINNING FLOW RATE AVG. 2536 ☒ CC/MIN ☐ L/MINENDING: 1. 23742. 2363 23563. 2358ENDING FLOW RATE AVG. 2350 ☒ CC/MIN ☐ L/MINSAMPLE AVERAGE FLOW RATE 2443TIME STARTED 10:00 AMTIME STOPPED 10:30 AMTOT. RUNNING TIME(MIN) 30 minSAMPLE VOLUME (AVG FLOW X RUN TIME) 73SHIFT: ☒ 8 HR. ☐ 12 HR. ☒ PERSONNEL SAMPLE ☐ AREA SAMPLE☐ FULL SHIFT TWA☐ STEL/TASKEMPLOYEE NAME Trevor SimonEMPLOYEE I.D.# 433-23-2453JOB CLASSIFICATION insulator

IH JOB CODE # _____

CONTRACTOR COMPANY Petrol Corp.RESPIRATOR USED? ☒ YES ☐ NORESPIRATOR MODEL / CANISTER TYPE North 7800 w/1kgpa☐ MOUTH-BIT☐ DUST☒ HALF-FACE☐ FULL-FACE☐ AIR-LINE☐ SCBA

DESCRIPTION OF AREA SAMPLED/JOB PERFORMED DURING MONITORING

small lin. inst methodRemoving Asbestos insulation from

ANALYTICAL REPORT REFERENCE # _____

ANALYTICAL RESULTS: 1490 <0.01 <0.53West Haines Rd.

VP-124

LOQ

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LOUISIANA DIVISION INDUSTRIAL HYGIENE SAMPLE RECORD

SAMPLE NO 13823

PLANT/DEPT. CA II
MONITORING FOR: Asbestos FibersDATE 3-13-92
OTHER CHEMICALS PRESENT: _____

SAMPLE COLLECTION MEDIA:

☐ BADGE NO. _____ TYPE _____
TEMP/HUMIDITY: (REQUIRED FOR BADGES) _____
☐ CHARCOAL TUBE SIZE _____
☒ FILTER CASSETTE SIZE 25MM
☐ SILICA TUBE SIZE _____
☐ DRAGER TUBE TYPE _____
☐ OTHER _____

PUMP SERIAL NO. 5122
CALIBRATION DEVICE: ☒ BUBBLEMETER ☐ ROTAMETER
☐ OTHER _____

PUMP FLOW RATE CALIBRATION:

BEGIN: 1. 2547 2539
2. 2545
3. 2530BEGINNING FLOW RATE AVG. 2540 ☒ CC/MIN ☐ L/MINENDING: 1. 2621 2623
2. 2628
3. 2624ENDING FLOW RATE AVG. 2622 ☒ CC/MIN ☐ L/MINSAMPLE AVERAGE FLOW RATE 2608TIME STARTED 10:00 AM
TIME STOPPED 10:30 AM
TOT. RUNNING TIME(MIN) 30 minSAMPLE VOLUME (AVG FLOW X RUN TIME) 78SHIFT: ☒ 8 HR. ☐ 12 HR. ☒ PERSONNEL SAMPLE ☐ AREA SAMPLE
☐ FULL SHIFT TWA
☐ STEL/TASKEMPLOYEE NAME Wandell Acosta
EMPLOYEE I.D.# 433-14-6528
JOB CLASSIFICATION insulator
IH JOB CODE # _____
CONTRACTOR COMPANY Pertin CorpRESPIRATOR USED? ☒ YES ☐ NO
RESPIRATOR MODEL / CANISTER TYPE North 7700 w/hpa
☐ MOUTH-BIT ☐ DUST ☒ HALF-FACE
☐ FULL-FACE ☐ AIR-LINE ☐ SCBA

DESCRIPTION OF AREA SAMPLED/JOB PERFORMED DURING MONITORING

small fire. test methodRemoving Asbestos insulation fromANALYTICAL REPORT REFERENCE # _____
ANALYTICAL RESULTS: 2490 20.01 20.49

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