

**LOUISIANA DIVISION INDUSTRIAL HYGIENE REPORT
THE DOW CHEMICAL COMPANY**

LAD-95-1980-3
File Number

12/27/95
Date

Title: Results of Monitoring Conducted at the Light Hydrocarbon I Facility for Benzene and Toluene during 1980.

SUMMARY:

During 1980 monitoring was performed for Benzene and Toluene at the Light Hydrocarbon I Facility.

Results are presented in the attached tables.

Coversheet prepared by:

J. Paul

DISTRIBUTION:

None

Restricted for Use Within The Dow Chemical Company

DO 142907
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FILED IN BY Ron Noie

EMPLOYEE EXPOSURE SUMMARY

QUARTER 4th YEAR 1980

PLANT LHCI

BLOCK 38 STRESS Benzene

MINIMAL DETECTABLE
LIMIT AND UNIT 0.01 ppm

0002-5058

NO.	JOB CLASS	AREA/TASK	PERSONNEL					AREA				EXCURSION			
			*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT														
02	OT			8hr	3	.257	.30								
03	SOT			8hr	5	.26	.30								
04	OS			8hr	5	.206	.27								
05	SS			8hr	2	.20	.21								
06	EDO														
28	TECH	9		8hr	1	.09	.09								
08	TECH			8hr	3	.237	.41								
09	CLER.														
10	INSTR			8hr	5	.16	.26								
11	LABORER			8hr	1	.13	.13								
12	SUMMER														
13	CONT MAINT			8hr	12	.28	1.61								
14	NON-OS SPEC.														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	T/C CLNG														
19	MGRS/NON-OP														
20	AREA SAMP (NO JC)														

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* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

FILLED IN BY Ron Usie

EMPLOYEE EXPOSURE SUMMARY

QUARTER 4th YEAR 1980

PLANT LHC I BLOCK 38 STRESS Toluene MINIMAL DETECTABLE LIMIT AND UNIT 0.01 ppm

0002-5070

NO.	JOB CLASS	AREA/TASK	PERSONNEL					AREA				EXCURSION			
			*PT. EQ.	TWA BASIS	NO. SAMPLES	AVG.	HIGH	SAMPLE DURATION	NO. SAMPLES	AVG.	HIGH	EXCUR. DURATION	NO. SAMPLES	AVG.	HIGH
01	OTT														
02	OT			8hr	3	.123	.26								
03	SOT			8hr	5	.154	.27								
04	OS			8hr	5	.13	.28								
05	SS			8hr	2	.13	.14								
06	EDO														
28	TECH	9		8hr	1	.06	.06								
08	TECH			8hr	3	.207	.27								
09	CLER.														
10	INSTR			8hr	5	.106	.25								
11	LABORER			8hr	1	.06	.06								
12	SUMMER														
13	CONT MAINT			8hr	12	.156	.29								
14	NON-OS														
15	SECUR.														
16	MATL CONT														
17	LOADING														
18	P/C CLNG														
19	HCBS/NON-OP														
20	AREA SAMP (NO JC)														

DO 142909
CONFIDENTIAL

* PROTECTIVE EQUIPMENT: (1) Mouthbit (2) Full Face (3) Half or Dust Face (4) Air Supply (5) Hearing Protection

LHC I MONITORING FOR EXPOSURE TO BENZENE

THE RESULTS ARE IN PARTS PER MILLION

NAME	SUBCLASS	DATE SAMPLED	BENZENE TOLUENE
G. R. WEST	SS	12/2/80	
B. E. LANE	OS	"	
J. L. DAVIS	SOT	"	
D. J. BUECKE	SOT	"	
R. K. GAUTHREUX	OT	"	
H. E. GADVE	ENGR.	"	
J. C. MARTINEZ	SS	12/3/80	
J. D. GREMILLION	OS	"	
P. M. STRAUSS	OS	"	
D. G. BADEAUX	SOT	"	
P. G. PORTO	SOT	"	
C. L. PICKENS	AT	"	
K. D. DIAMOND	ENGR.	"	
R. E. BOUDON	BOILERMAKER	12/4/80	
M. GILDER	PAINTER	"	
H. JARREAU	PAINTER	"	
S. SULLIVAN		"	
J. GUARISCO		"	
I. D. CARROLL	INSTRUMENT	"	
G. OHMER	INSTRUMENT	"	
E. CODY		"	
A. LEBLANC	OS	12/5/80	
F. GUILBEAU	OS	"	
J. LABOUE	SOT	"	
K. LONG	OT	"	
K. LONG	OT	"	BADGE CHARCIAL TUBE
R. USIE	ENGR.	"	
J. SELVAGE	SEC	"	
T. GAYLE	PIPEFITTER	"	
T. CARPENTER	INSTRUMENT	12/10/80	BADGE CHARCIAL TUBE
T. CARPENTER	"	"	
B. BYRD	"	"	
R. BOUDION	PIPEFITTER	"	
T. GAYLE	"	"	
M. MILLER		"	
L. BAILEY	INSTRUMENT	"	
M. GILDER	PAINTER	"	
H. JARREAU	"	"	
I. BREAU	JANITOR	"	

LIGHT HYDROCARBONS T

I.D.	CLASS	DATE	B-H-10-A-TW-A	
			PPM	PPM
			BENZENE	TOLUENE
431720	SS	12-2-80	0.19	0.14
433180	OS	"	0.27	0.28
433415	SOT	"	0.24	0.19
433523	SOT	"	0.24	0.27
434036	OT	"	0.23	0.26
067165	ENGR.	"	0.16	0.18
430668	SS	12-3-80	0.21	0.12
432087	OS	"	0.25	0.28
430953	OS	"	0.25	0.15
433483	S.O.T	"	0.27	0.13
433644	S.O.T	"	0.30	0.11
433476	O.T	"	0.24	0.16
431816	ENGR.	"	0.41	0.27
R. BOUDAIN	BOILERMAKER	12-4-80	0.10	0.17
M. GILDER	PAINTER	"	0.23	0.20
H. JARREAU	PAINTER	"	0.25	0.29
S. SULLIVAN		"	0.13	0.24
J. GUARISCO		"	0.15	0.15
D. CARROLL	INSTR	"	0.26	0.25
G. O'HOMER	INSTR	"	0.13	0.12
E. COOY		"	0.08	0.06
432012	OS	12-5-80	0.14	0.06
433327	OS	"	0.12	0.08
433361	SOT	"	0.25	0.09
434056	O.T	"	0.30	0.10
434056	O.T	"	0.32	0.12
434008	ENG	"	0.14	0.17
433048	SEC	"	0.09	0.06
T. GAYLE	PIPE FITTER	"	1.41	0.26
T. CARPENTER	INSTR	12-10-80	0.12	—
T. CARPENTER	"	"	0.12	0.09
B. BYARD	"	"	0.16	—
R. BOUDAIN	PIPE FITTER	"	0.17	0.06
T. GAYLE	"	"	0.14	0.14
M. MILLER	"	"	0.19	0.10
L. BRIDLEY	INSTR	"	0.13	0.07
M. GILDER	PAINTER	"	0.17	0.12
H. JARREAU	PAINTER	"	0.14	0.08
I. BREAUX	SANITR	"	0.13	0.06
WILLIAM M. HERRICK				
LAB - LHC TTT				

TWA = 8 HOURS EXPOSURE
BENZENE TOBACCO

I. D.	MONITOR NO.		
1. B. L. GUY	AU 9208		
2. 431720	AU 9744		0.19 0.14
3. 433180	AU 9688		0.27 0.28
4. 433415	AU 9525	12-2-80	0.44 0.19
5. 433523	AU 9602		0.24 0.29
6. 434036	AU 9557		0.23 0.26
7. 467165	AU 9667		0.16 0.18
8. 430648	AU 9993		0.21 0.12
9. 432687	AT 0006		0.25 0.28
10. 430853	AU 9753		0.25 0.15
11. 433483	AT 0055	12-3-80	0.27 0.13
12. 433644	AT 0052		0.30 0.11
13. 433476	AU 9644		0.24 0.16
14. 431816	AU 9728		0.41 0.29
15. R. Boudoin	AT 0047		0.10 0.17
16. M. E. LINDER	AU 9980		0.28 0.20
17. H. J. ARREAU	AT 0043		0.25 0.29
18. S. SULLIVAN	AU 9983	12-4-80	0.13 0.24
19. J. GUARACCI	AT 0025		0.15 0.15
20. D. GARROLL	AT 0083		0.26 0.25
21. G. O'HOMER	AT 0015		0.13 0.12
22. E. COOY	AT 0034		0.08 0.06
23. Standard	0.5		
24. 432017	AT 0032		0.14 0.08
25. 433327	AU 9956		0.12 0.08
26. 433361	AT 0010	12-5-80	0.25 0.07
27. 434056	AT 0061		0.30 0.10
28. 434108	AT 0072		0.14 0.17
29. 433058	AT 0048		0.09 0.06
30. T. GAYLE	AU 9990		1.61 0.26
31. IT-LONG	CHARCOAL TUBE		0.32 0.12
32. T. CARPENTER	"		0.47
33. T. ERAY	AU 9950		0.12 0.09
34. BOB BERN	AU 9943		0.16
35. R. ANDY	AT 0012	12-10-80	0.17 0.06
36. Tommy	AT 0011		0.14 0.14
37. Mike Miller	AU 9952		0.19 0.10
38. B. Riley	AU 9949		0.13 0.07
39. Mike Miller	AU 9972		0.17 0.12
40. H. J. ARREAU	AU 9967		0.14 0.08
41. J. BROWN	AU 9944		0.13 0.06

William M. H. Orick
LAB. LHC TTT