FIGURE B-70

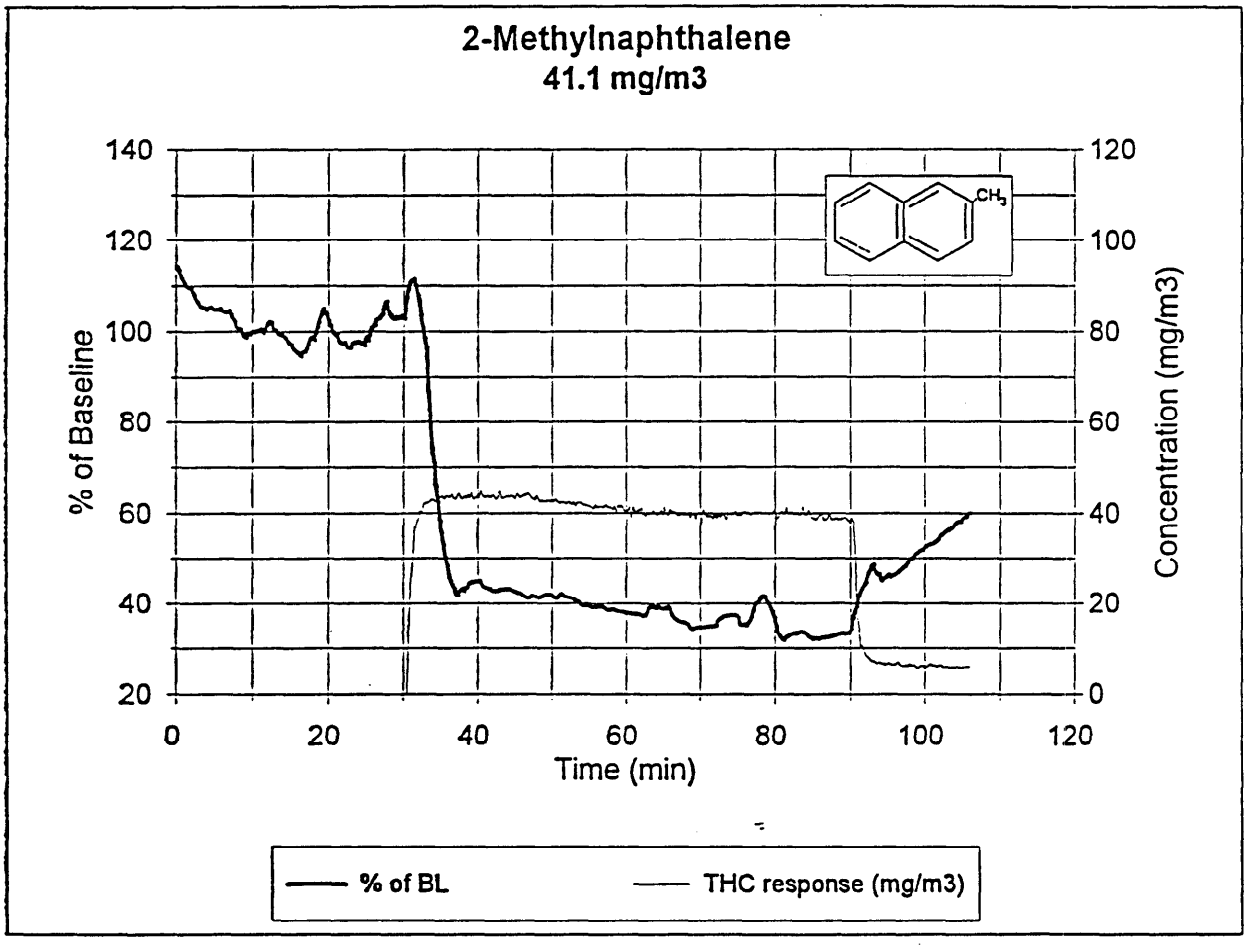

2-Methylnaphthalene
41.1 mg/m3
% of Baseline
Concentration (mg/m3)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
CH3
% of BL
THC response (mg/m3)

FIGURE B-71

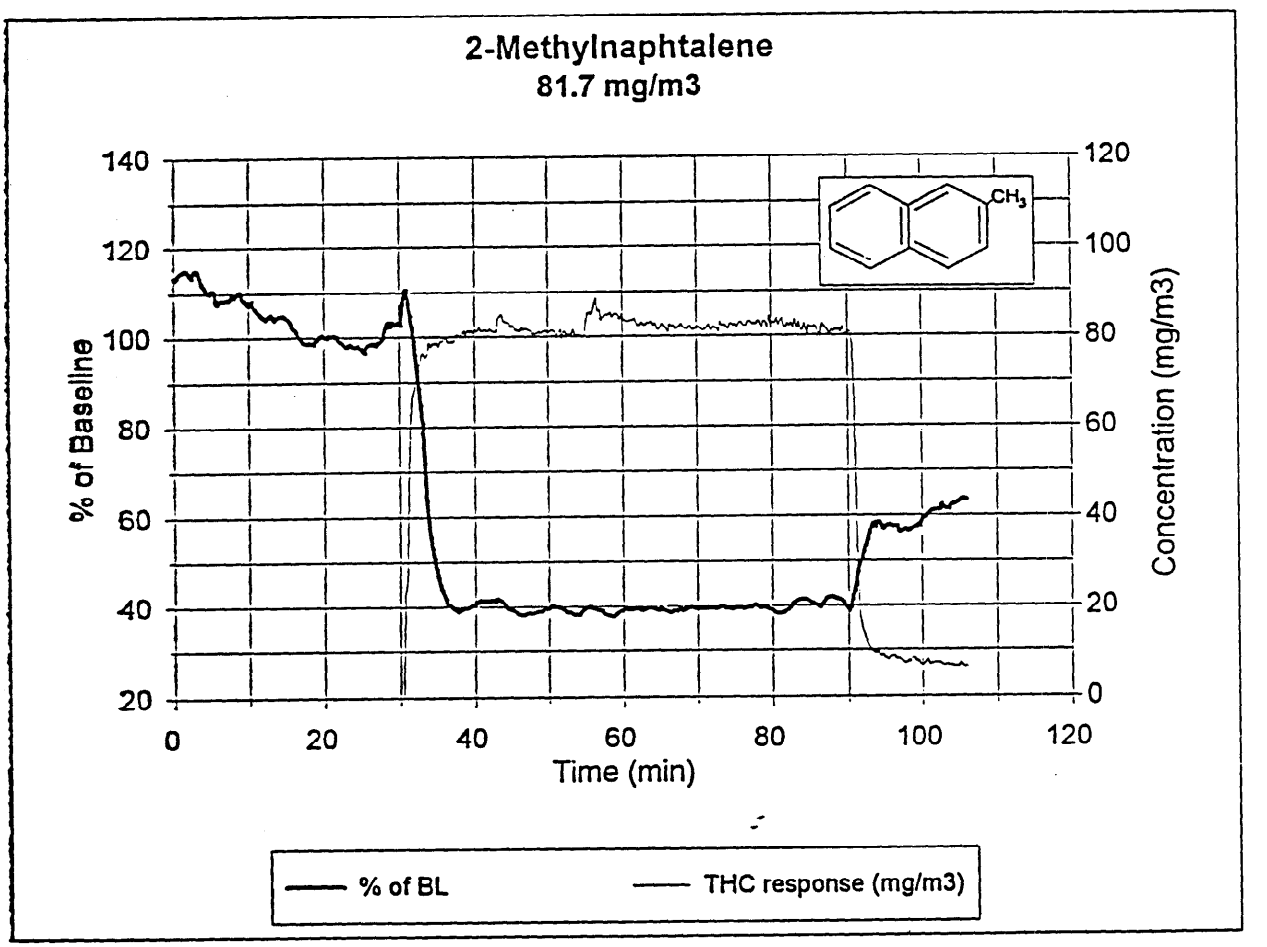

2-Methylnaphtalene
81.7 mg/m3
% of Baseline
Concentration (mg/m3)
Time (min)
CH3
% of BL
THC response (mg/m3)

FIGURE B-72

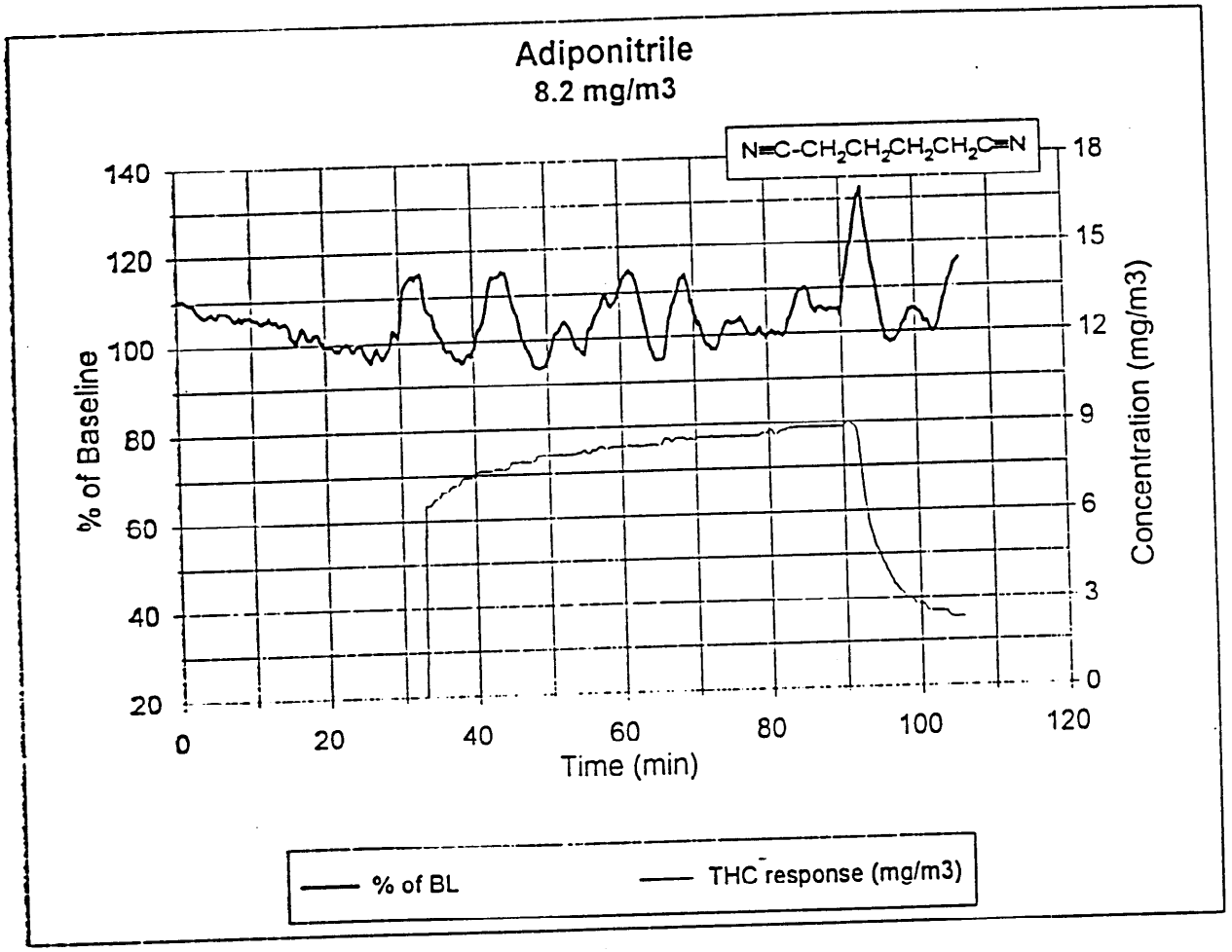

Adiponitrile
8.2 mg/m3
N≡C-CH2CH2CH2CH2C≡N
140
120
100
80
60
40
20
% of Baseline
18
15
12
9
6
3
0
Concentration (mg/m3)
0
20
40
60
80
100
120
Time (min)
% of BL
THC response (mg/m3)

FIGURE B-73

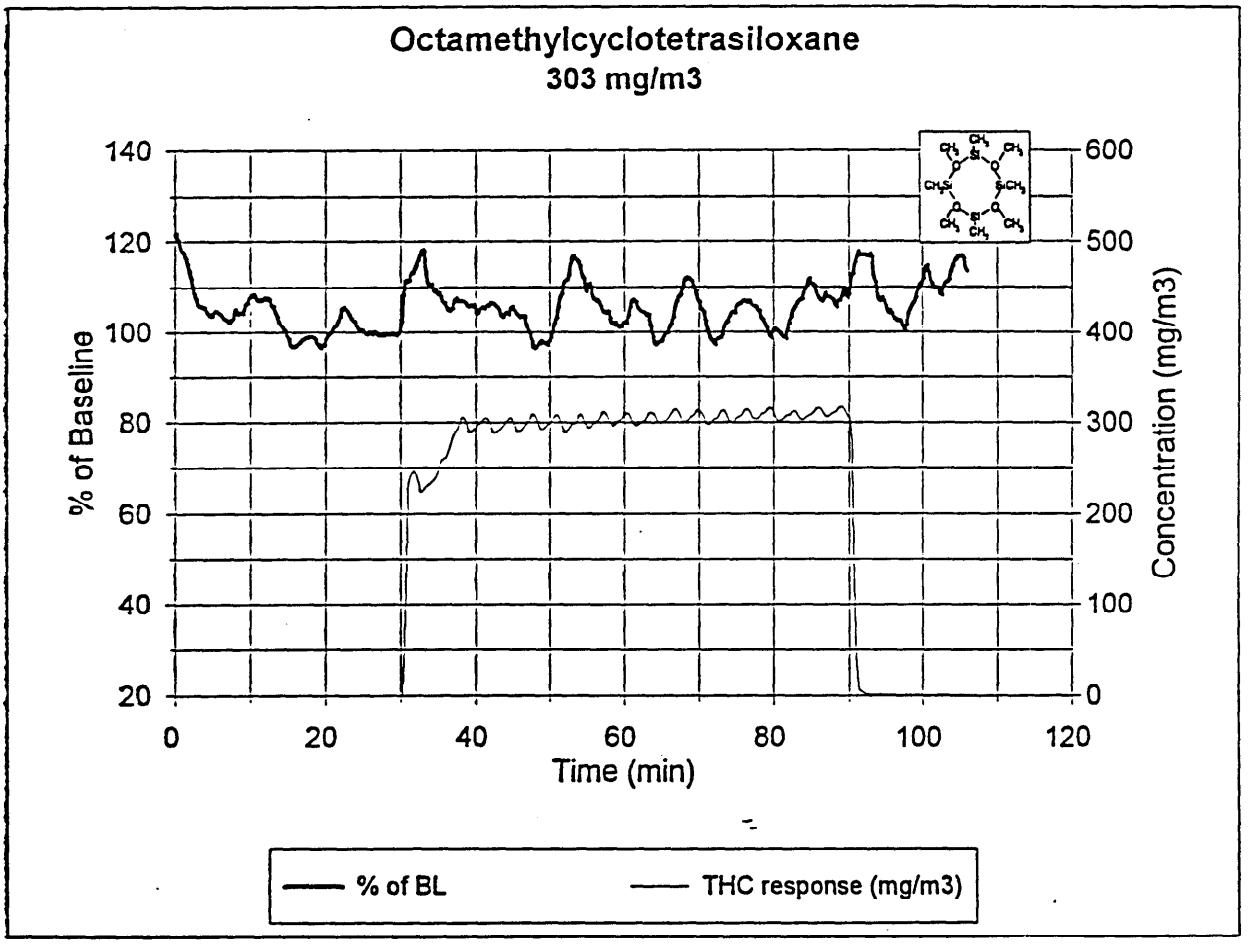

Octamethylcyclotetrasiloxane
303 mg/m3
% of Baseline
Concentration (mg/m3)
Time (min)
140
120
100
80
60
40
20
600
500
400
300
200
100
0
0
20
40
60
80
100
120
% of BL
THC response (mg/m3)

FIGURE B-74

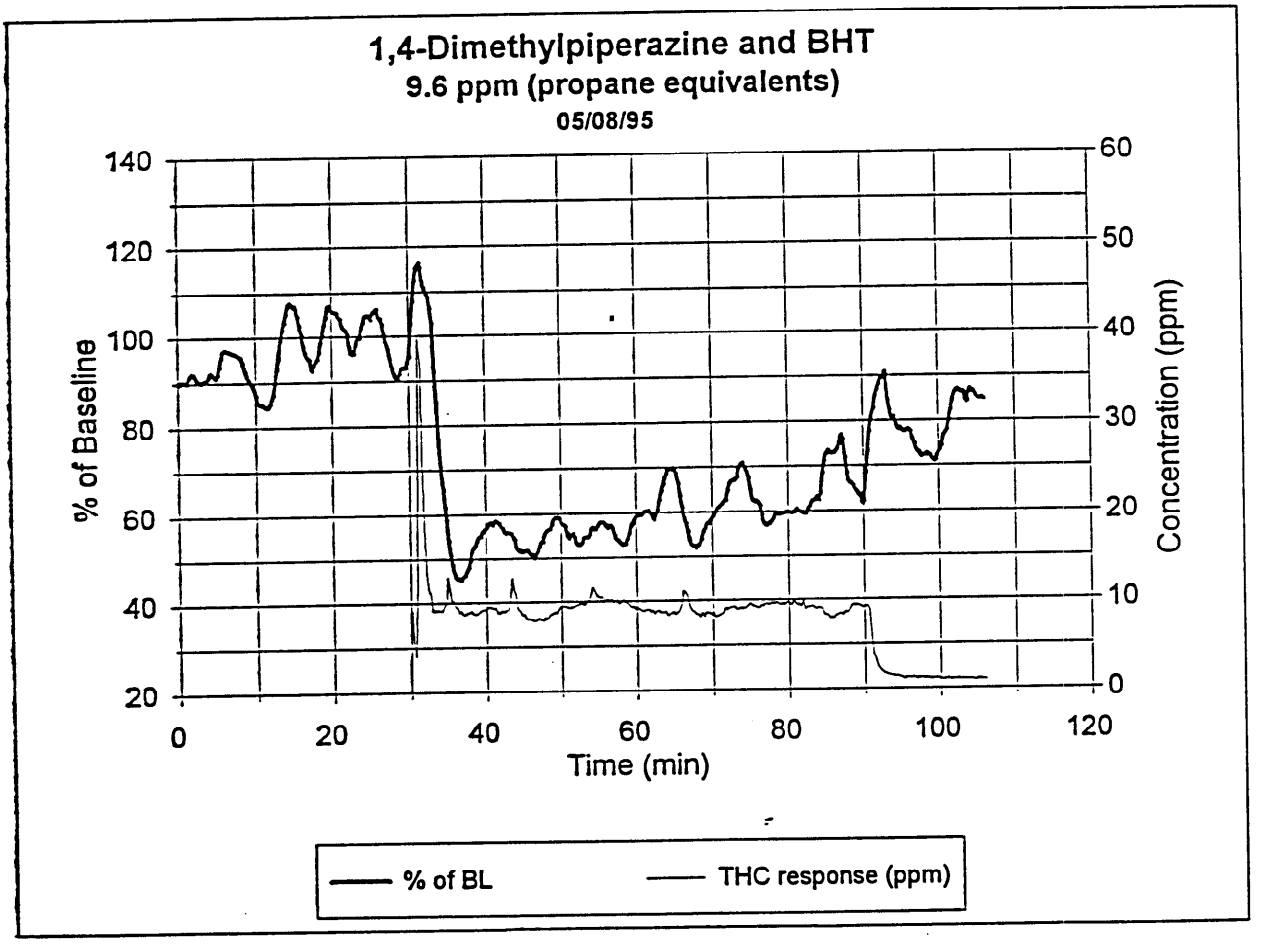

1,4-Dimethylpiperazine and BHT
9.6 ppm (propane equivalents)
05/08/95
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
60
50
40
30
20
10
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC response (ppm)

FIGURE B-75

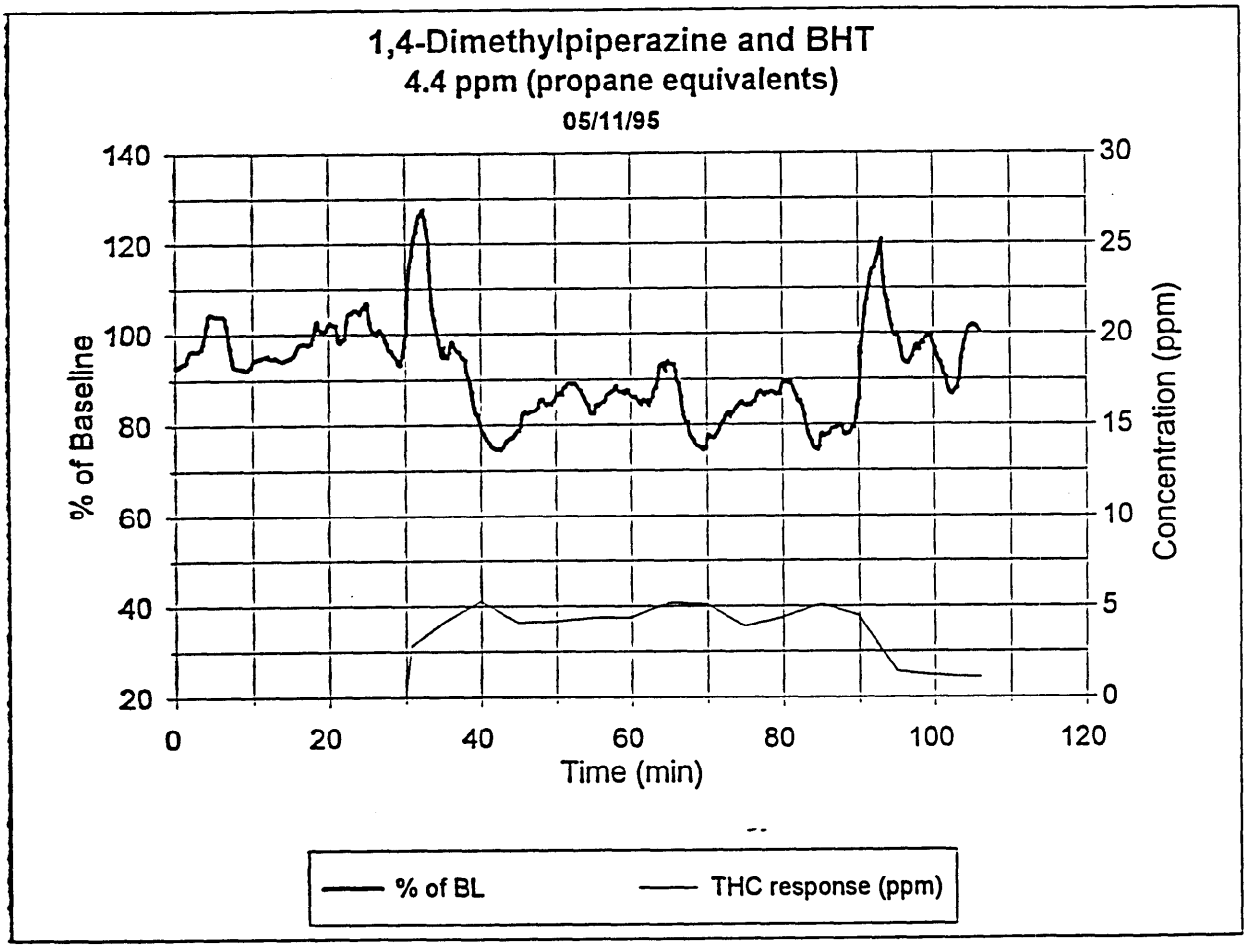

1,4-Dimethylpiperazine and BHT
4.4 ppm (propane equivalents)
05/11/95
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC response (ppm)

FIGURE B-76

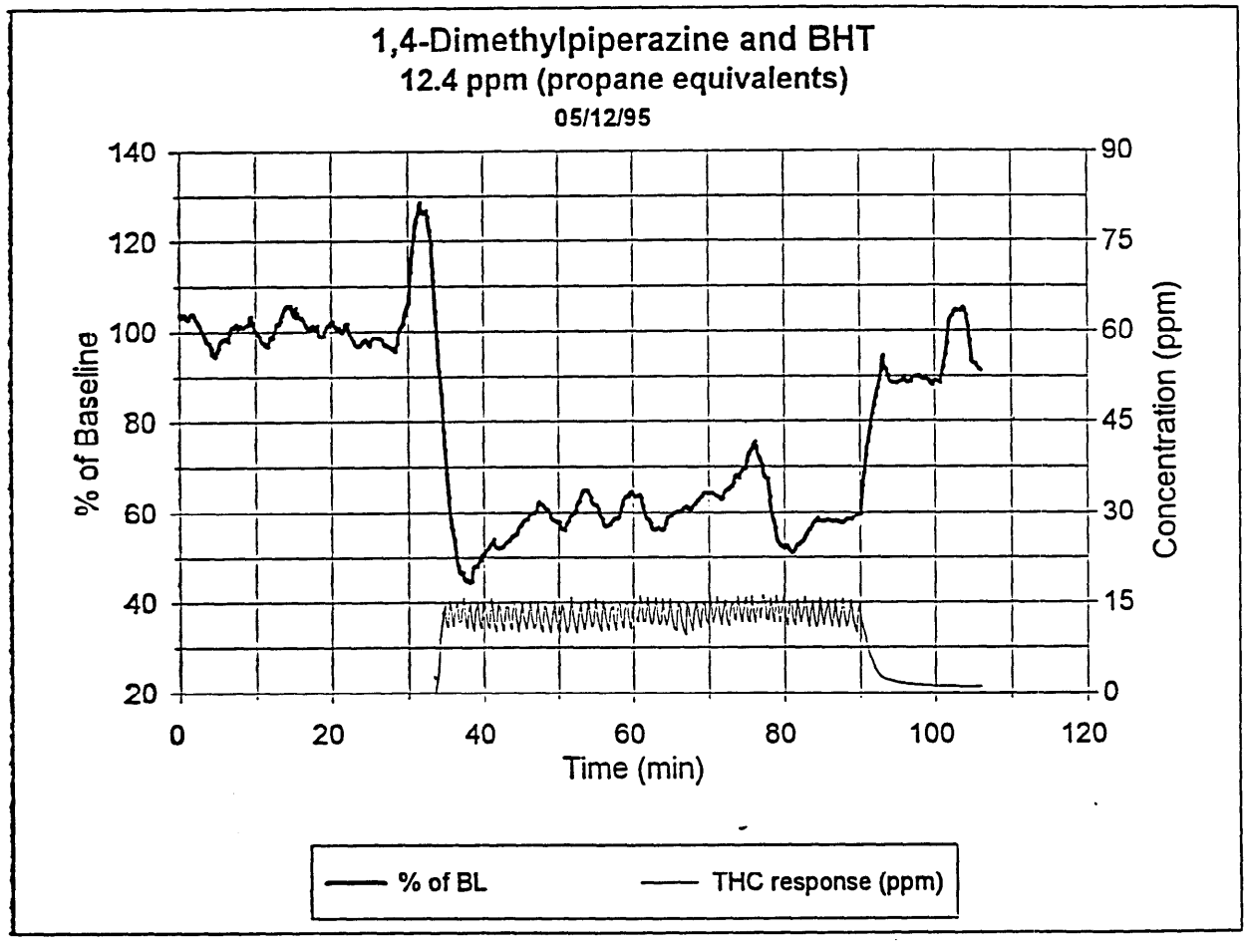

1,4-Dimethylpiperazine and BHT
12.4 ppm (propane equivalents)
05/12/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
90
75
60
45
30
15
0
0
20
40
60
80
100
120
% of BL
THC response (ppm)

FIGURE B-77

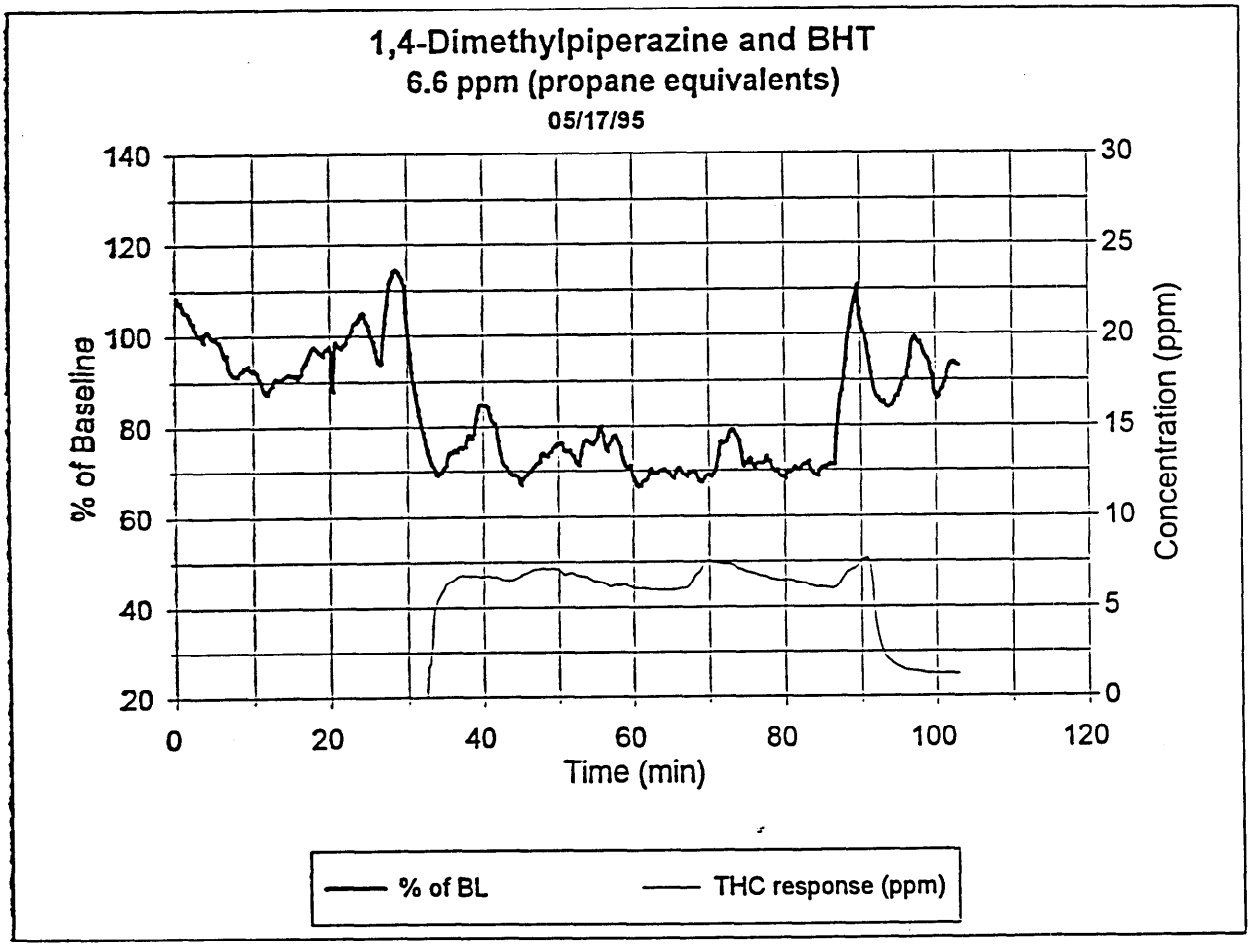

1,4-Dimethylpiperazine and BHT
6.6 ppm (propane equivalents)
05/17/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
30
25
20
15
10
5
0
0
20
40
60
80
100
120
% of BL
THC response (ppm)

FIGURE B-78

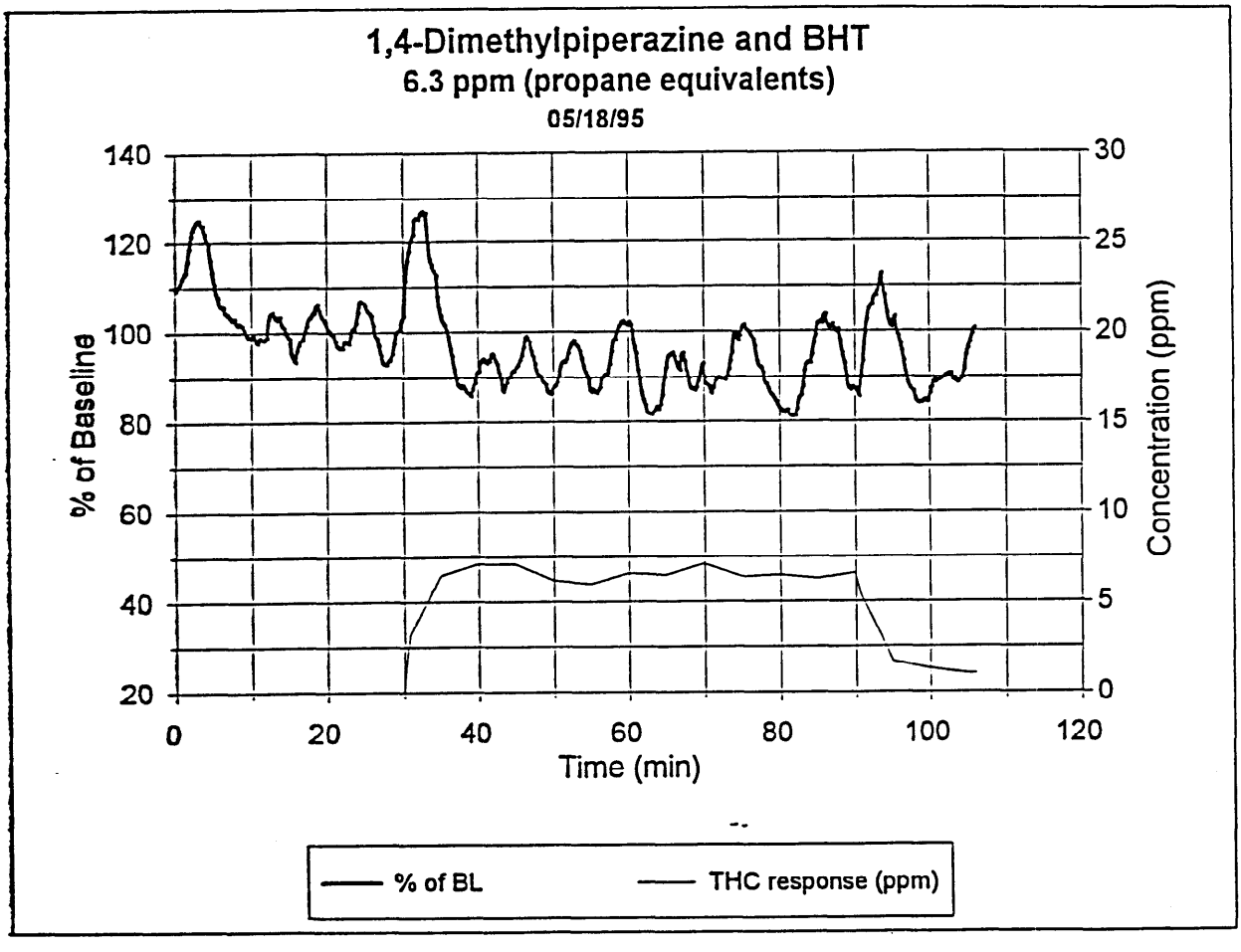

1,4-Dimethylpiperazine and BHT
6.3 ppm (propane equivalents)
05/18/95
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC response (ppm)

FIGURE B-79

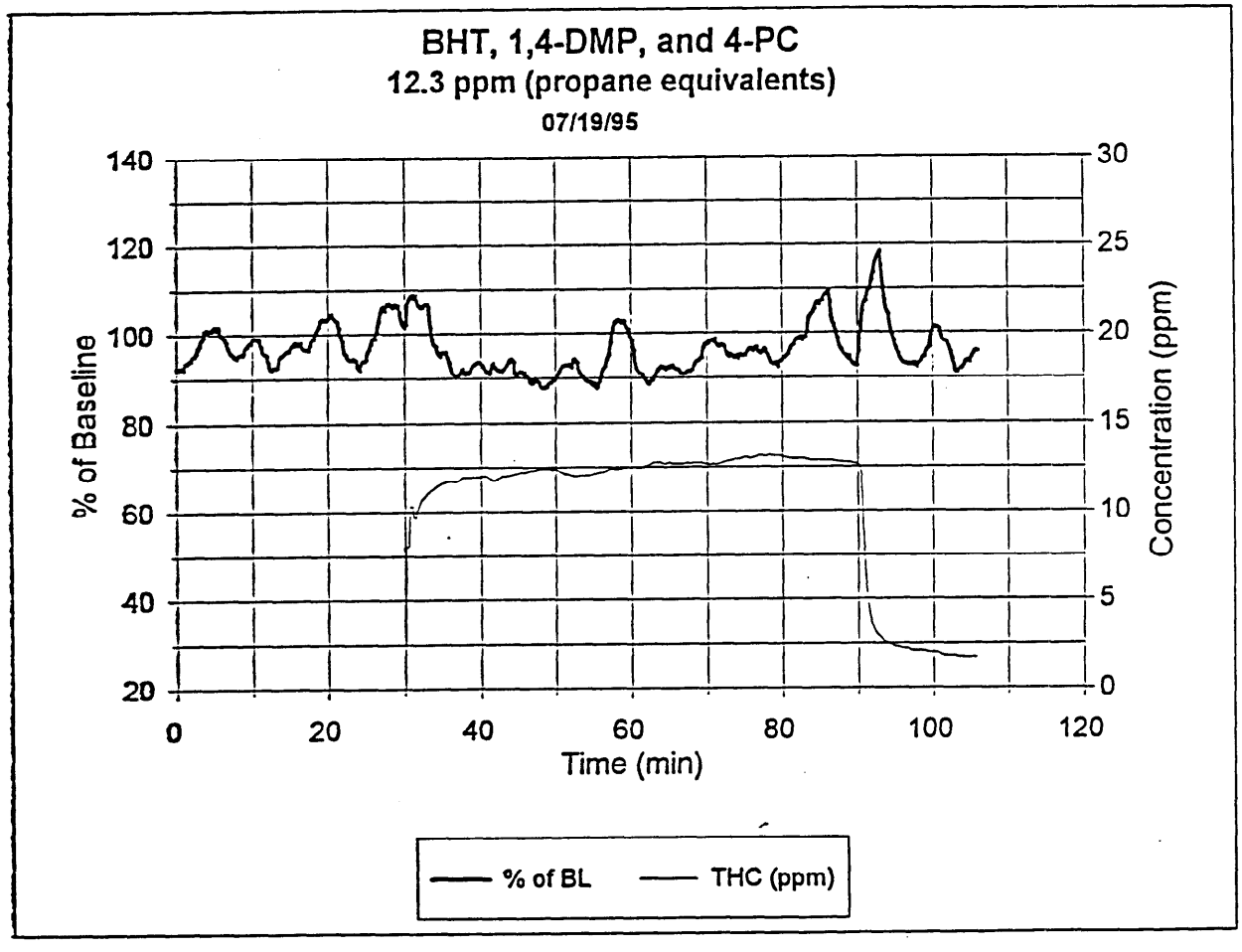

BHT, 1,4-DMP, and 4-PC
12.3 ppm (propane equivalents)
07/19/95
140
120
100
80
60
40
20
% of Baseline
30
25
20
15
10
5
0
Concentration (ppm)
0
20
40
60
80
100
120
Time (min)
% of BL
THC (ppm)

FIGURE B-80

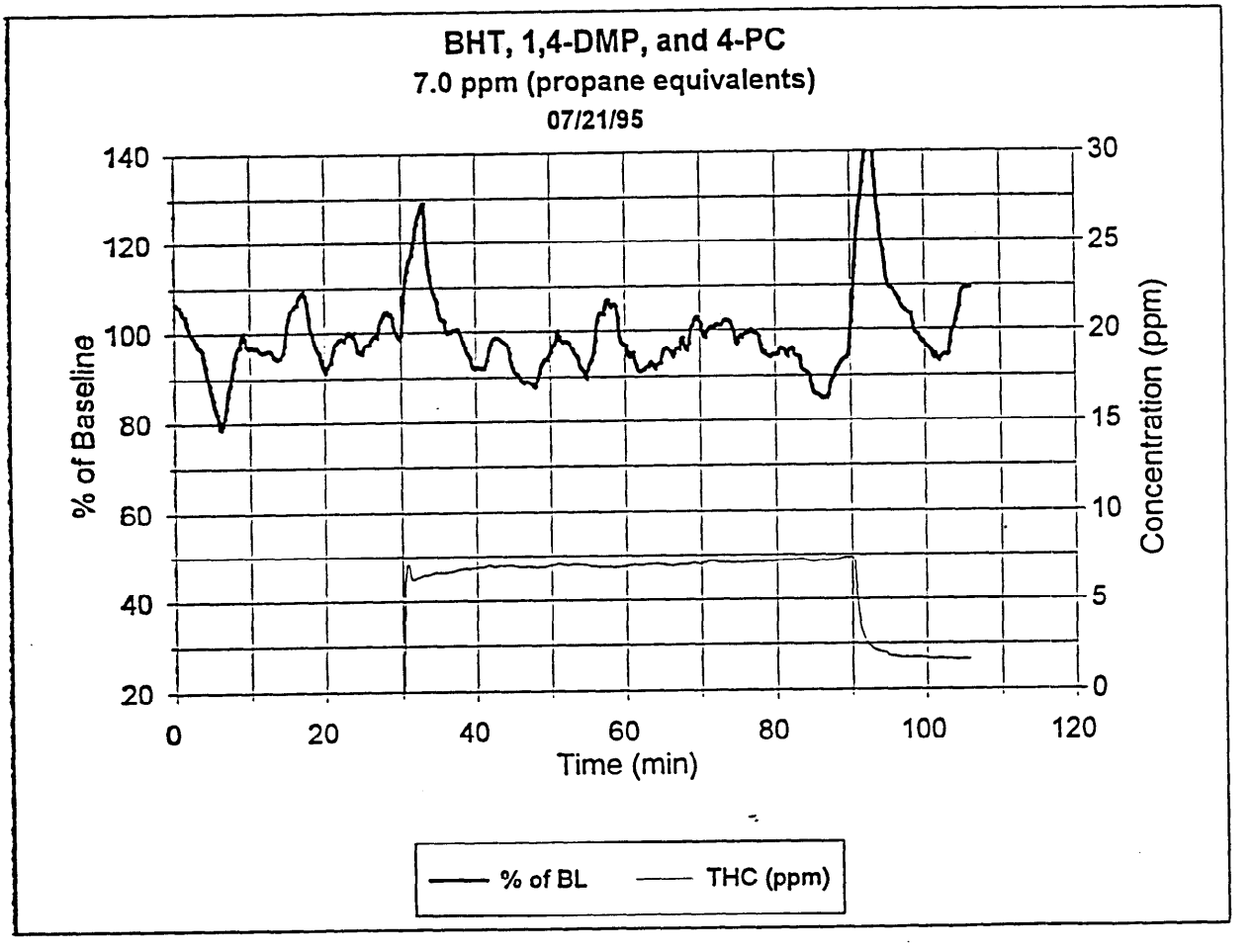

BHT, 1,4-DMP, and 4-PC
7.0 ppm (propane equivalents)
07/21/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
30
25
20
15
10
5
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-81

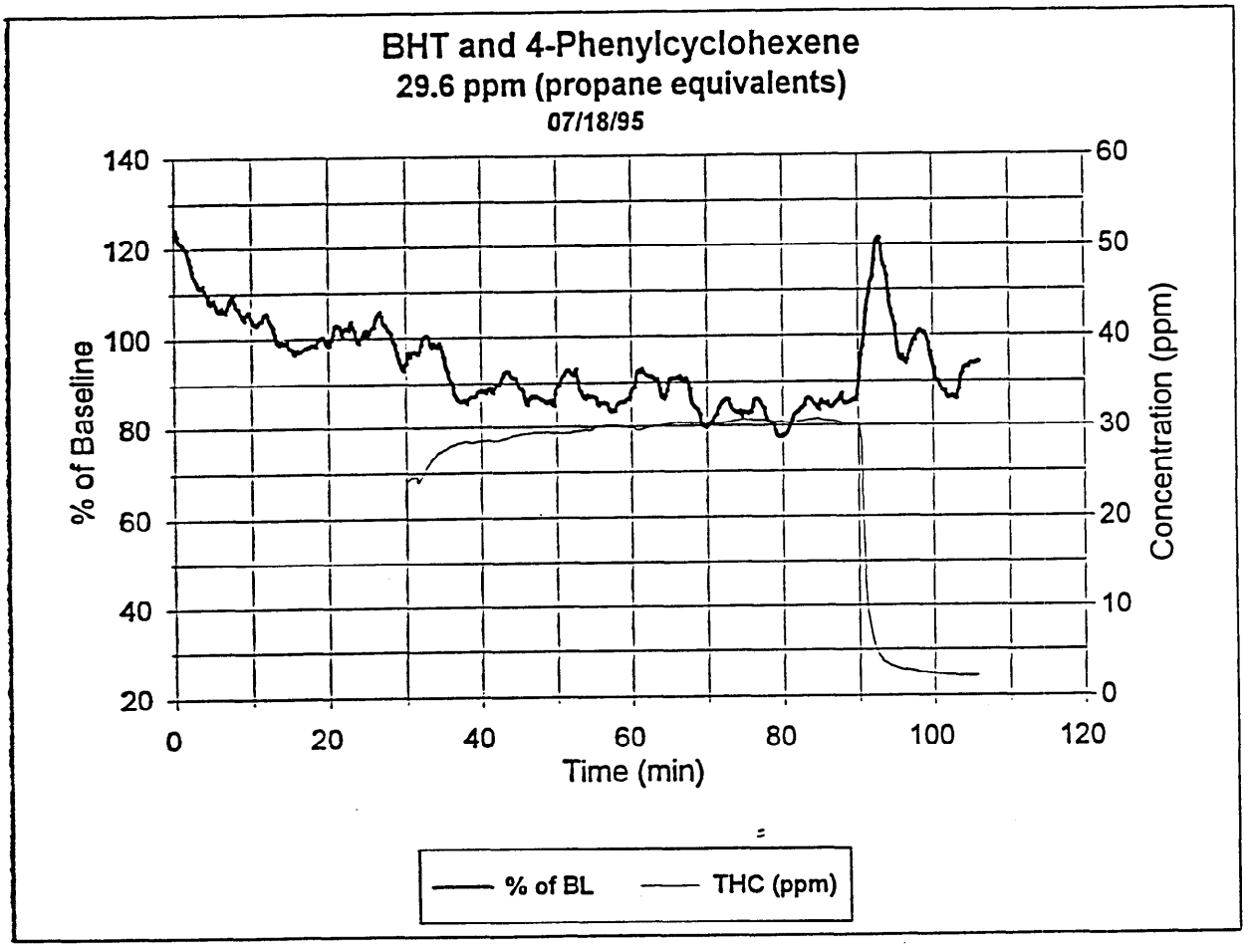

BHT and 4-Phenylcyclohexene
29.6 ppm (propane equivalents)
07/18/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
60
50
40
30
20
10
0
% of BL
THC (ppm)

FIGURE B-82

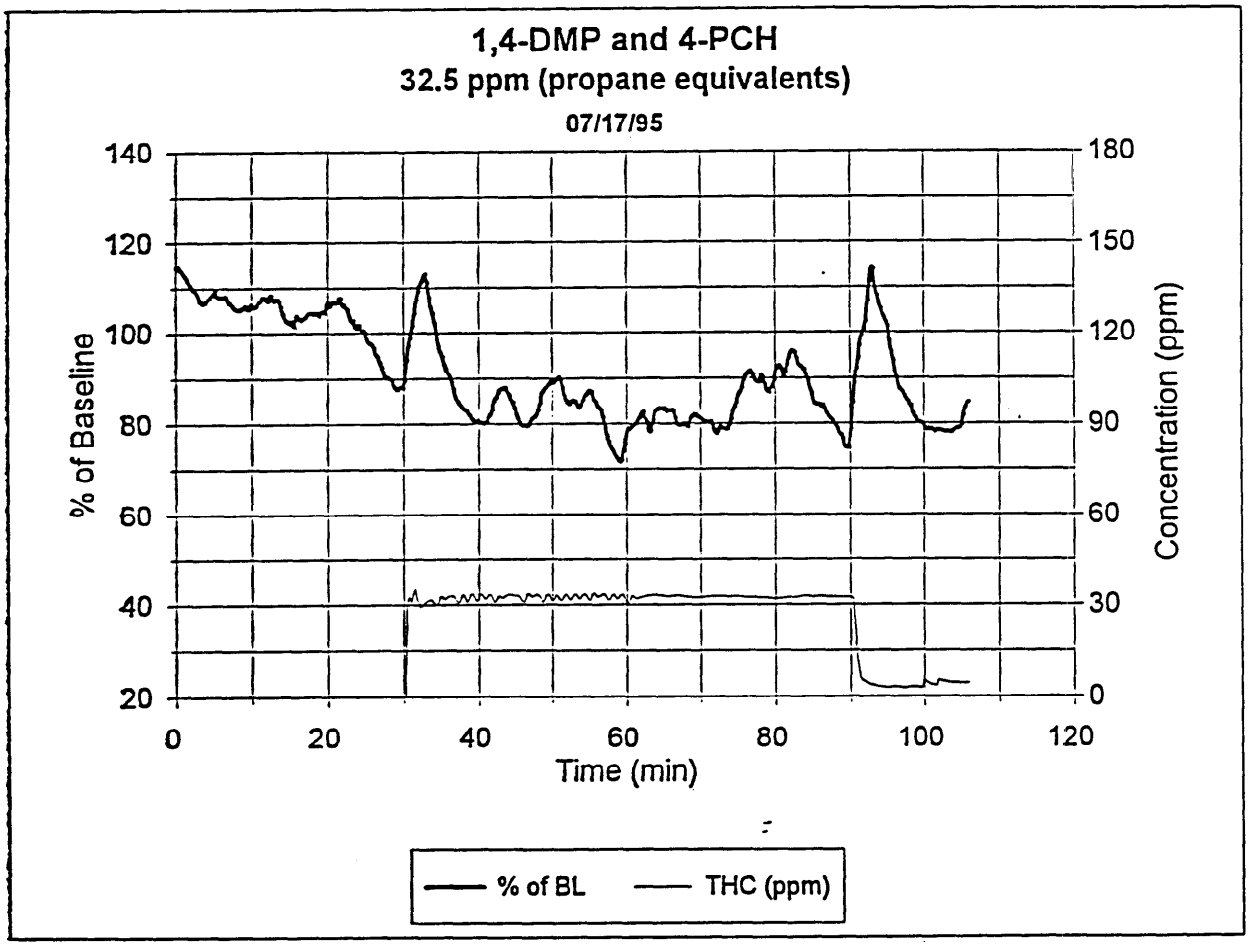

1,4-DMP and 4-PCH
32.5 ppm (propane equivalents)
07/17/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
180
150
120
90
60
30
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-83

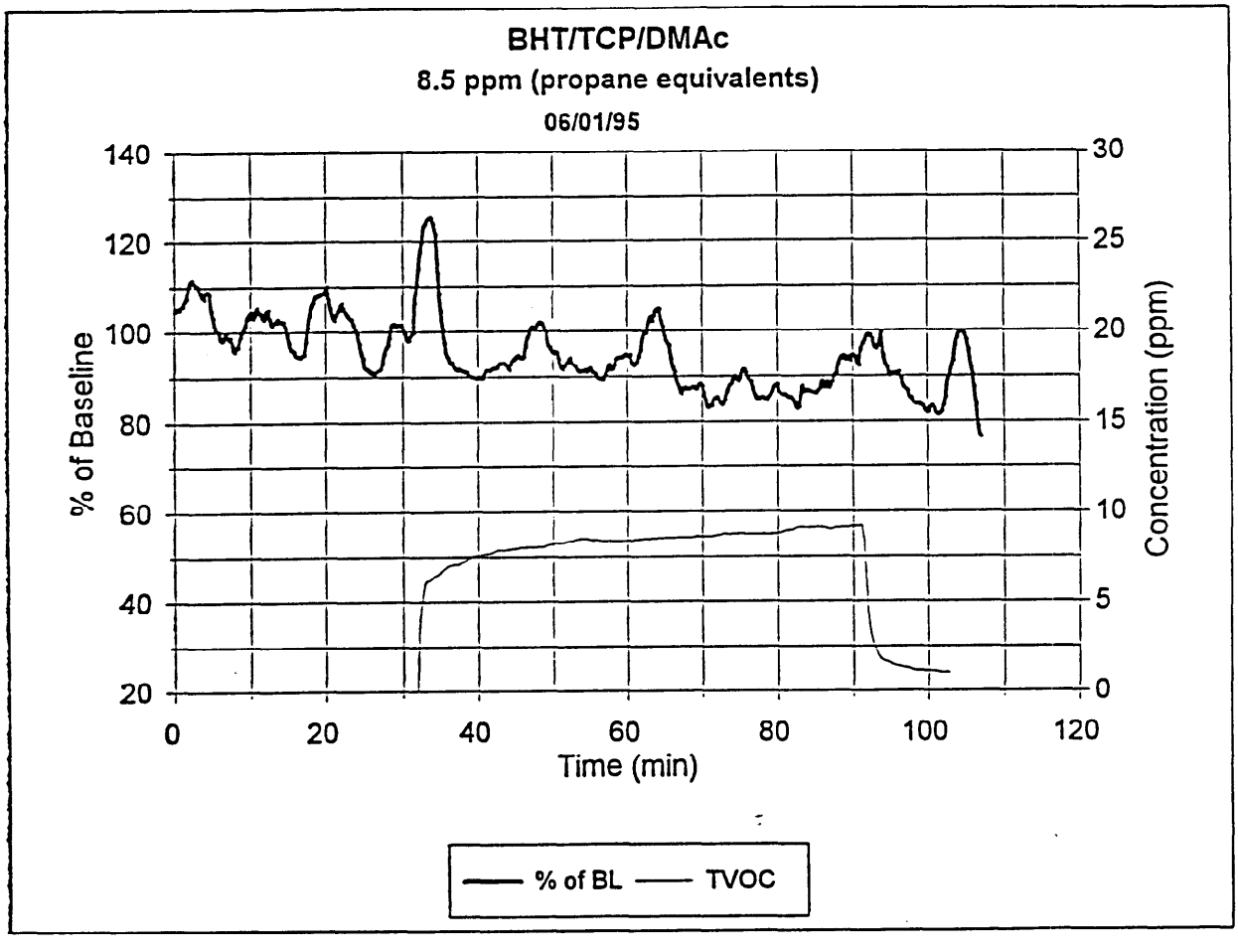

BHT/TCP/DMAc
8.5 ppm (propane equivalents)
06/01/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
30
25
20
15
10
5
0
0
20
40
60
80
100
120
% of BL
TVOC

FIGURE B-84

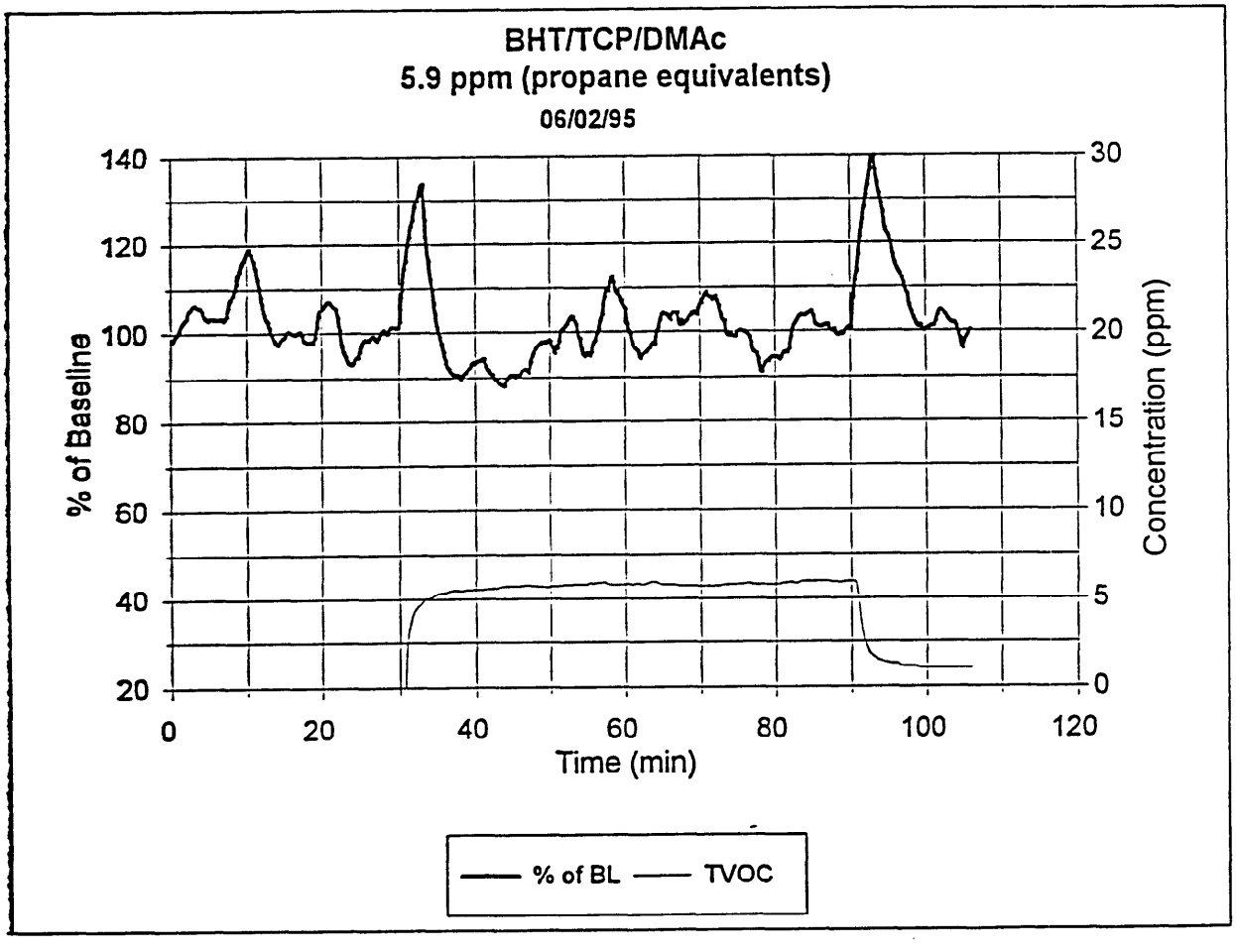

BHT/TCP/DMAc
5.9 ppm (propane equivalents)
06/02/95
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Time (min)
% of BL
TVOC

FIGURE B-85

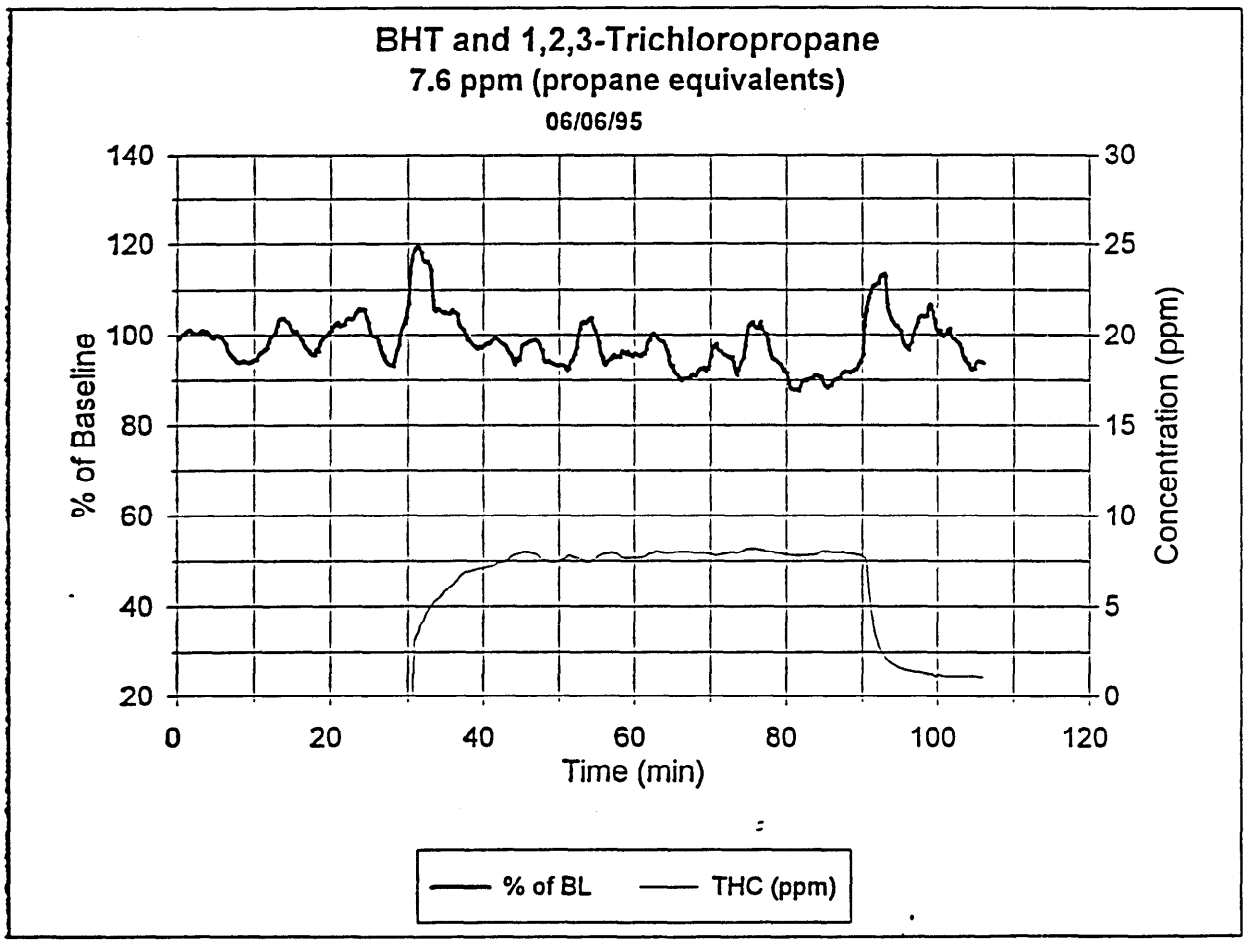

BHT and 1,2,3-Trichloropropane
7.6 ppm (propane equivalents)
06/06/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
30
25
20
15
10
5
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-86

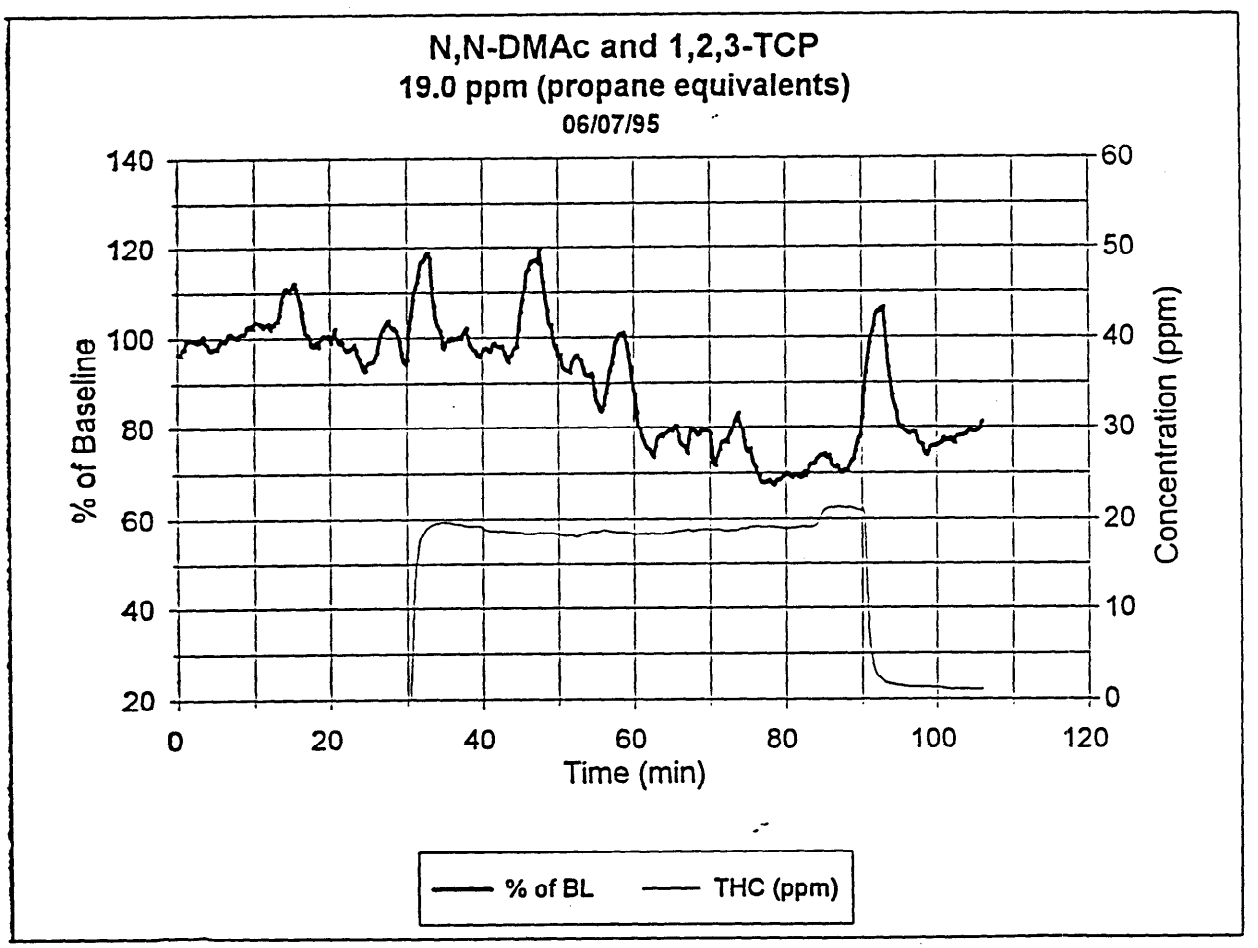
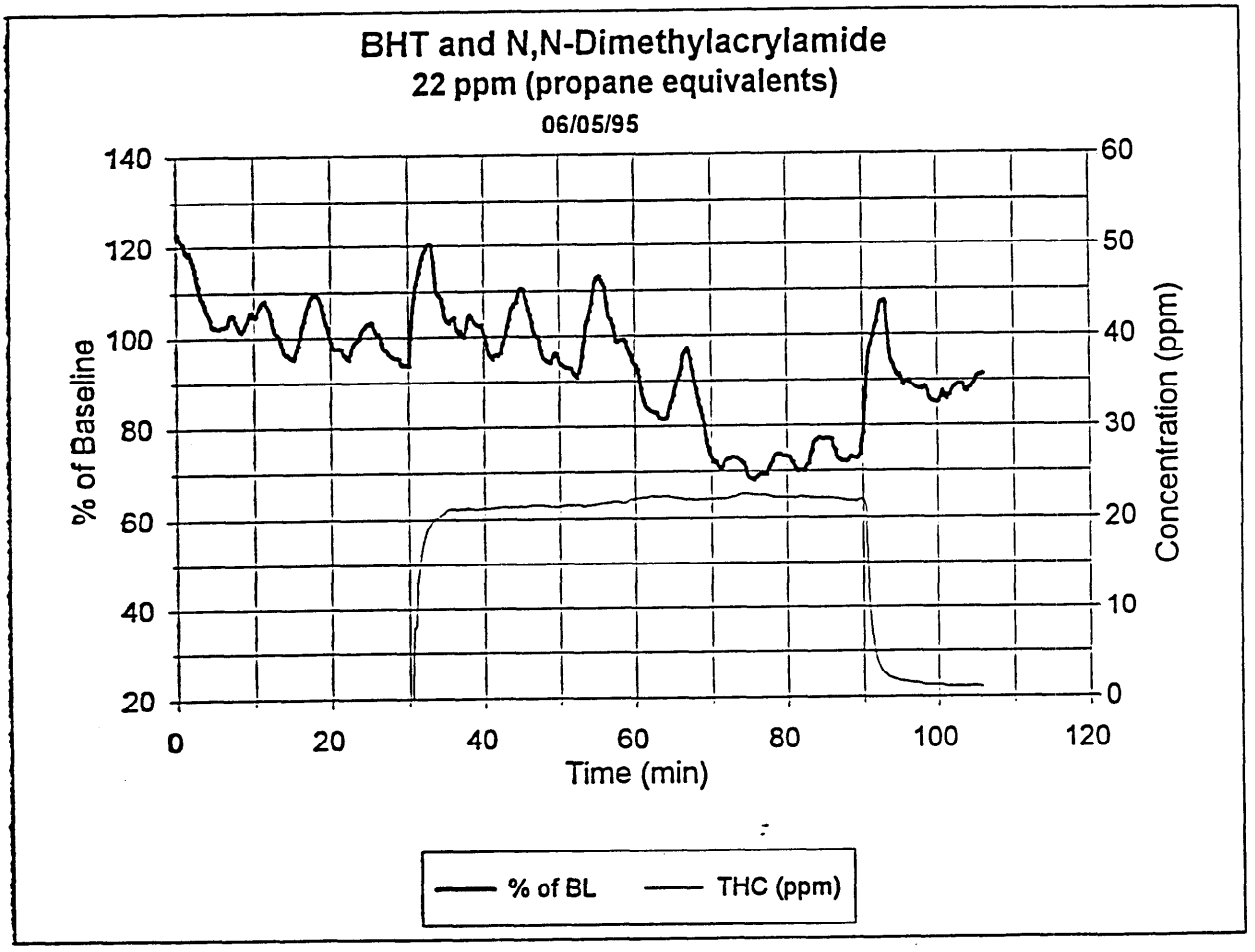

N,N-DMAc and 1,2,3-TCP
19.0 ppm (propane equivalents)
06/07/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
60
50
40
30
20
10
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-87


BHT and N,N-Dimethylacrylamide
22 ppm (propane equivalents)
06/05/95
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
60
50
40
30
20
10
0
% of BL
THC (ppm)

2,2,4-Trimethyl-1,3-pentanediol diisobutyrate

NAME OF SUBSTANCE	2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE
CAS REGISTRY NUMBER	6846-50-0

No specific toxicological information found.

FIGURE B-88

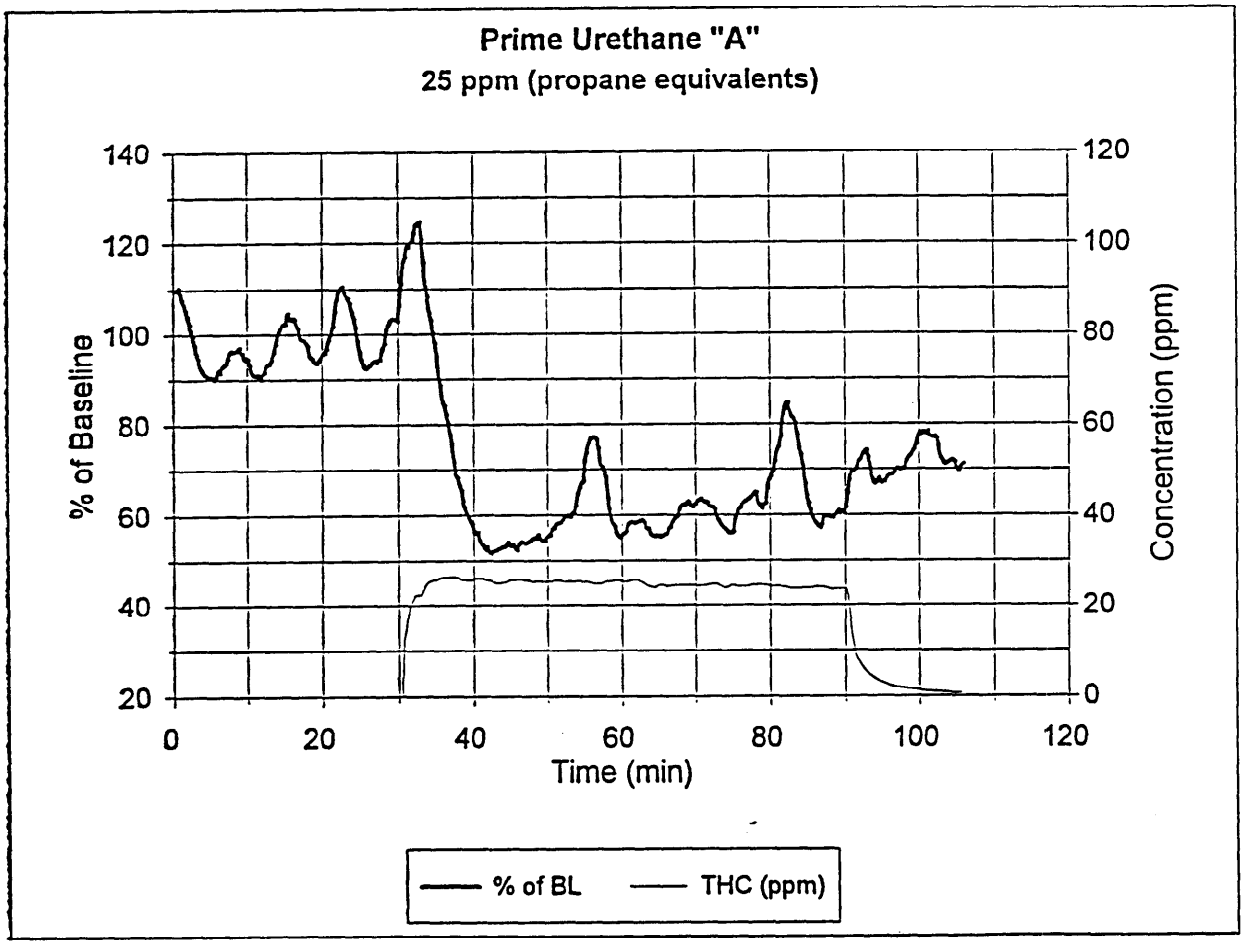

Prime Urethane "A"
25 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-89

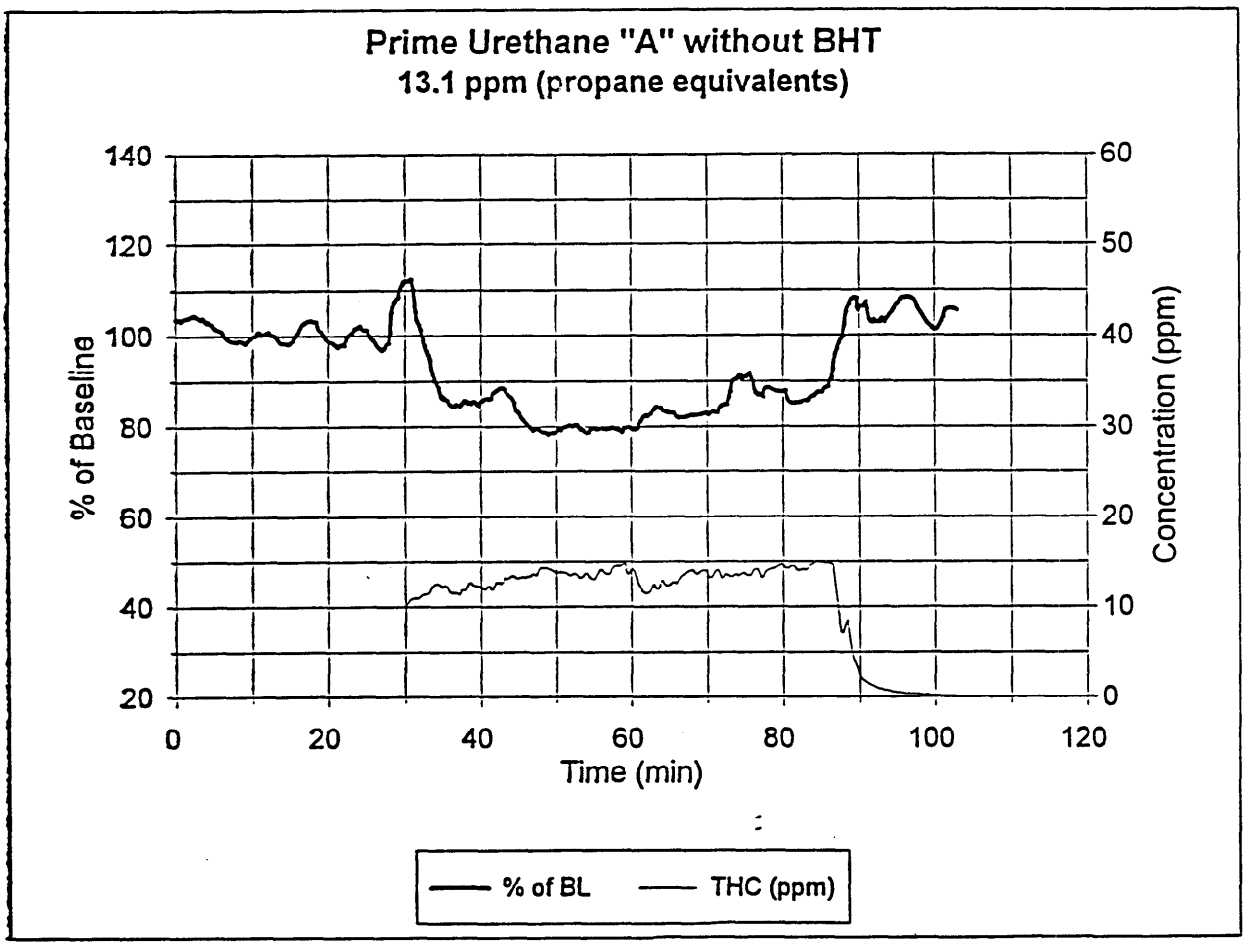

Prime Urethane "A" without BHT
13.1 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
60
50
40
30
20
10
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-90

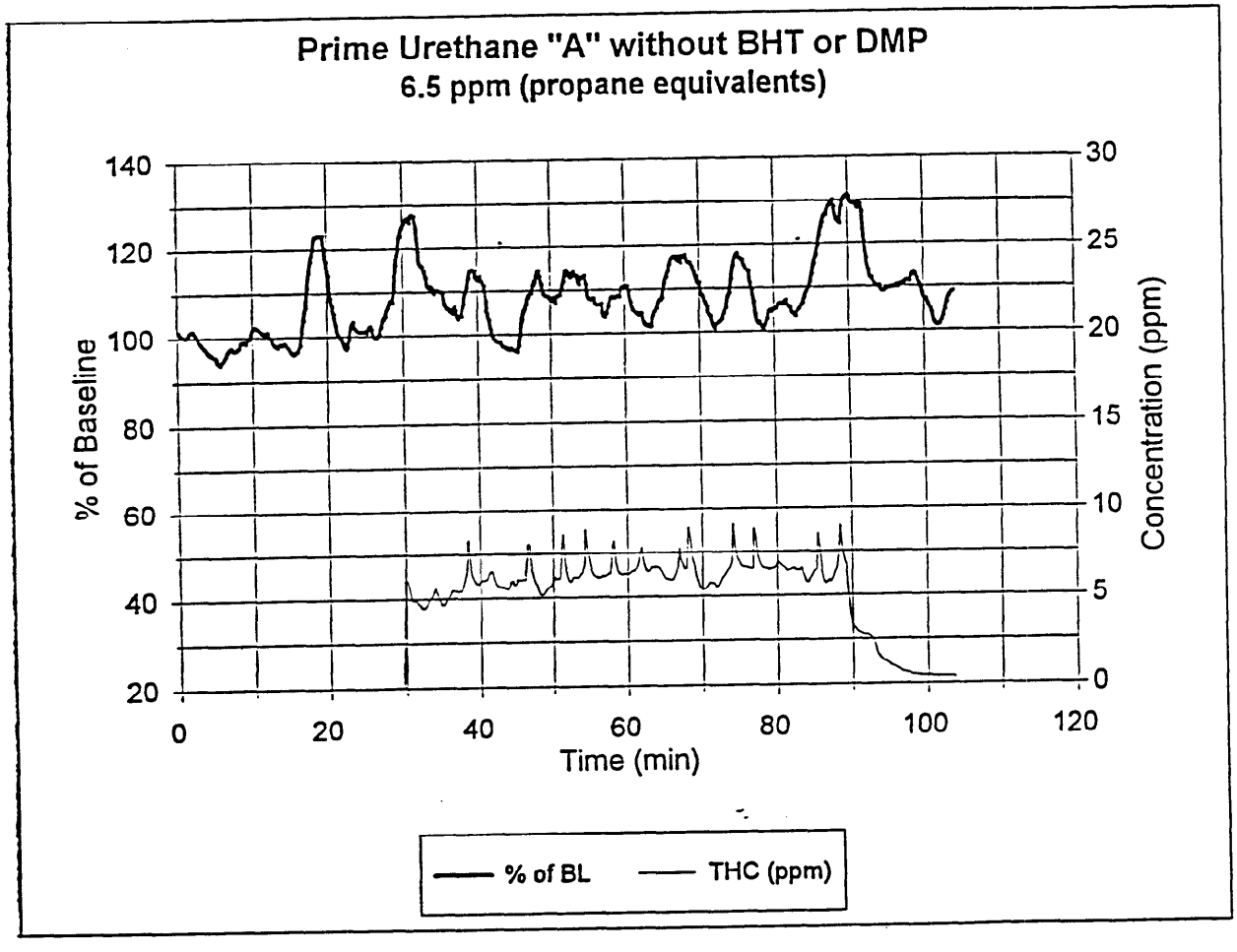

Prime Urethane "A" without BHT or DMP
6.5 ppm (propane equivalents)
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC (ppm)

FIGURE B-91

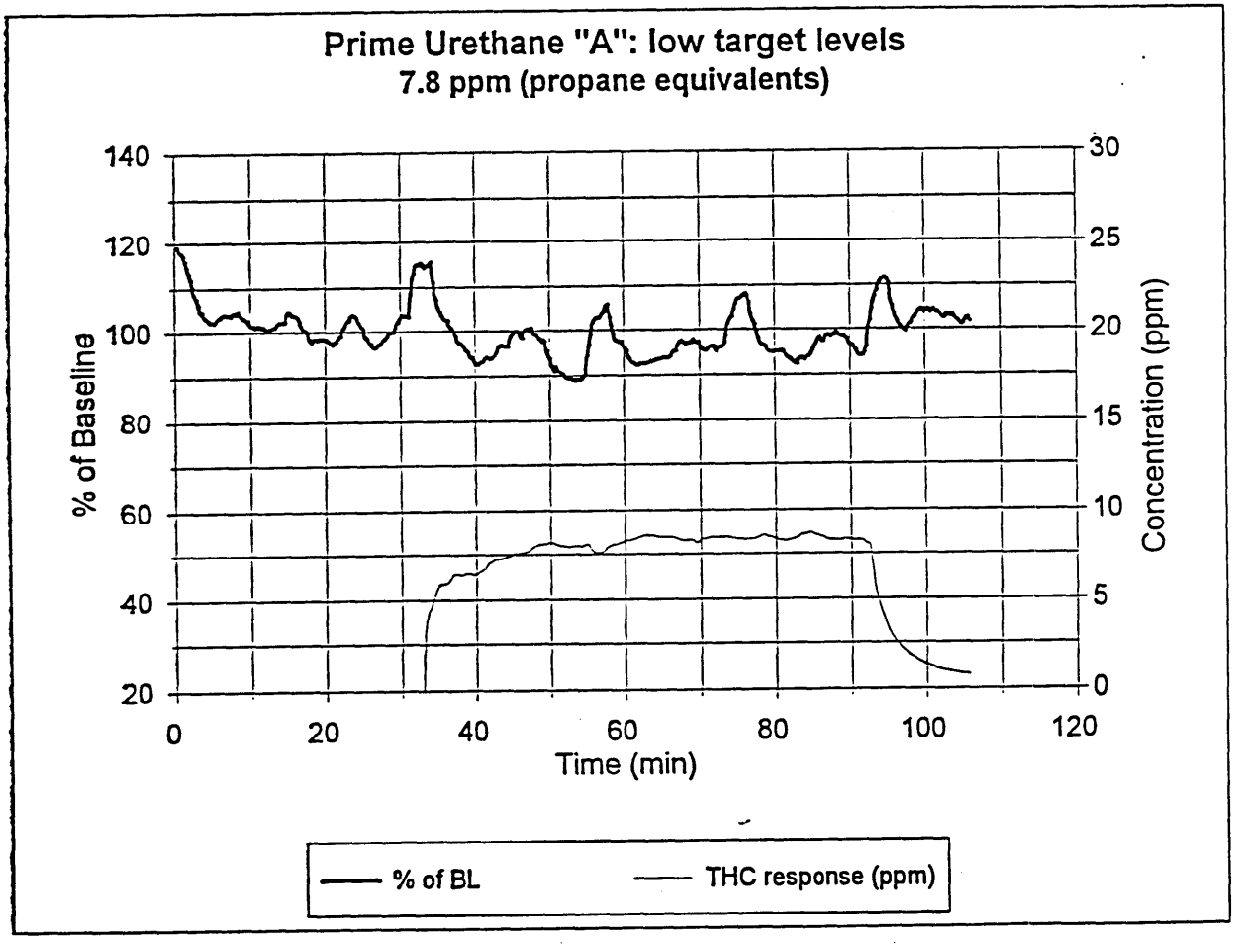

Prime Urethane "A": low target levels
7.8 ppm (propane equivalents)
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC response (ppm)

FIGURE B-92

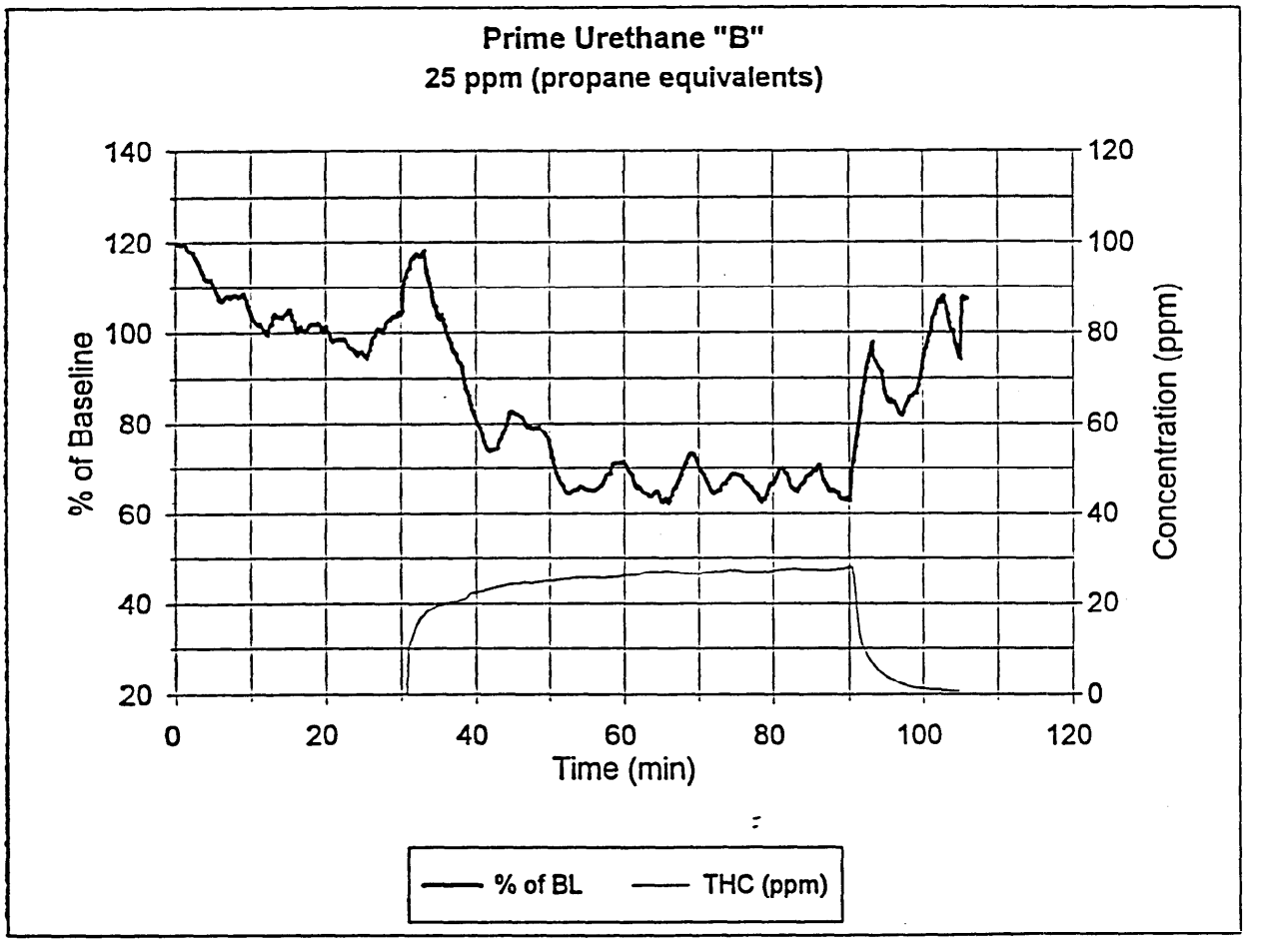

Prime Urethane "B"
25 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-93

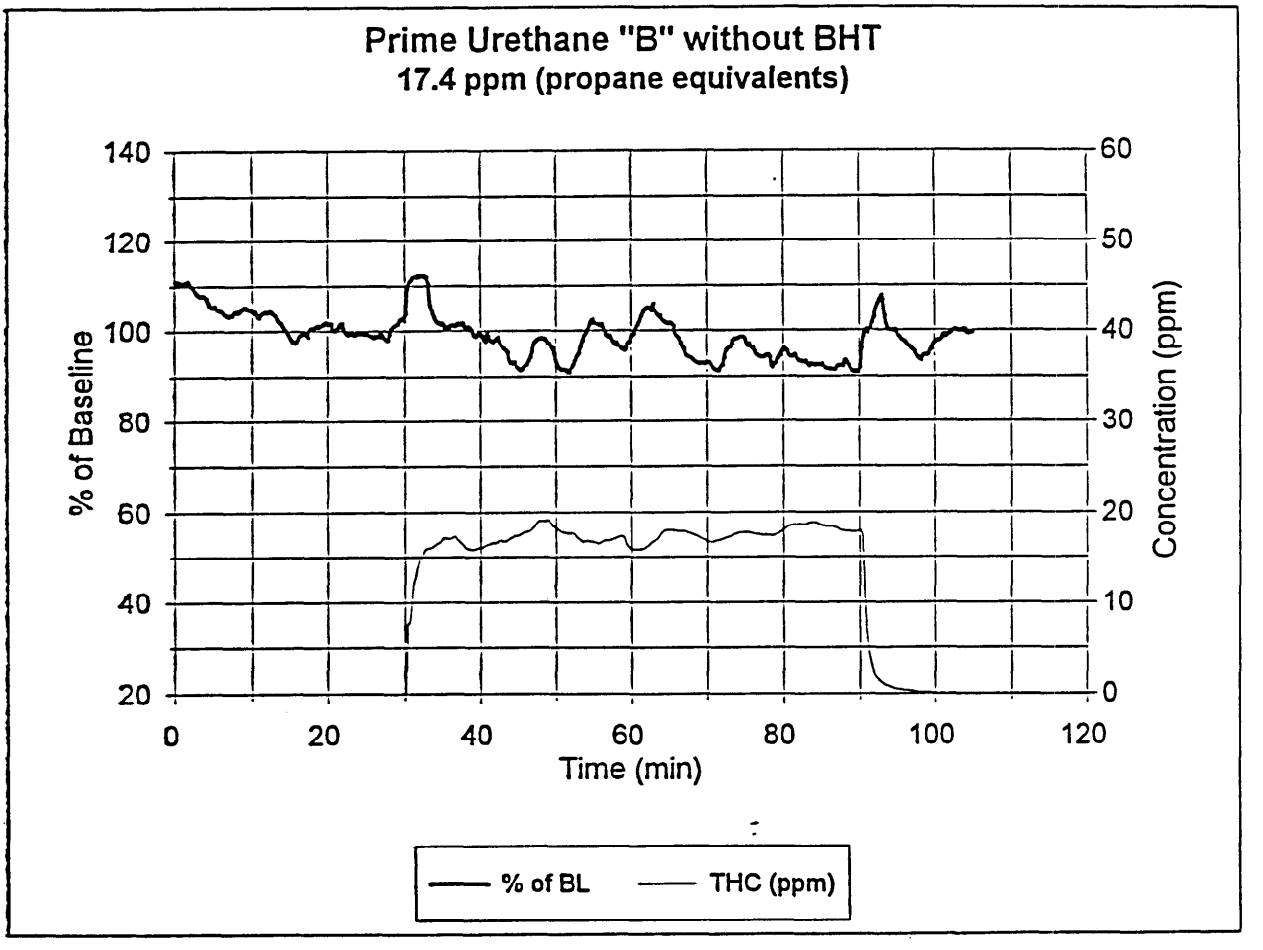

Prime Urethane "B" without BHT
17.4 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
60
50
40
30
20
10
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-94

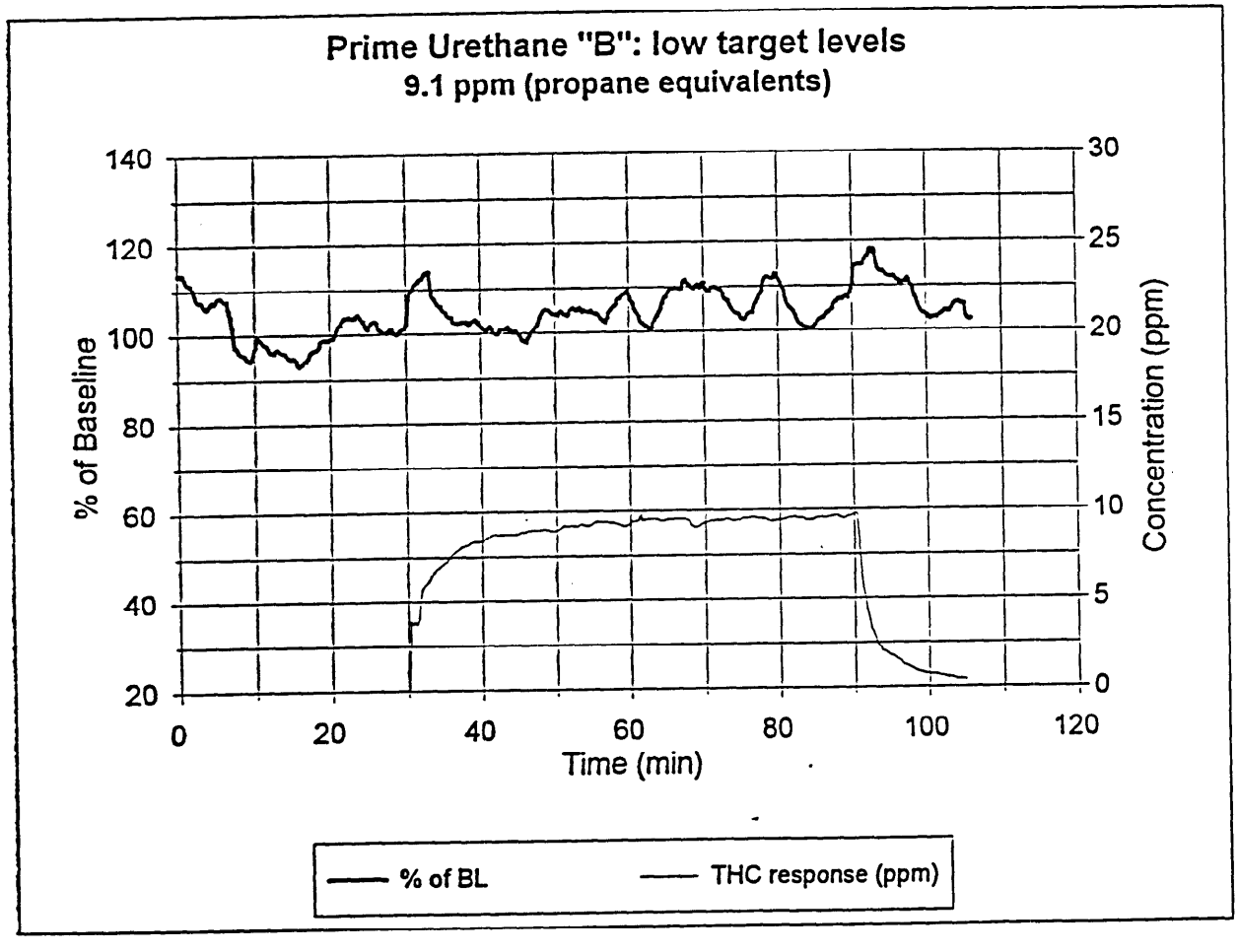

Prime Urethane "B": low target levels
9.1 ppm (propane equivalents)
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC response (ppm)

FIGURE B-95

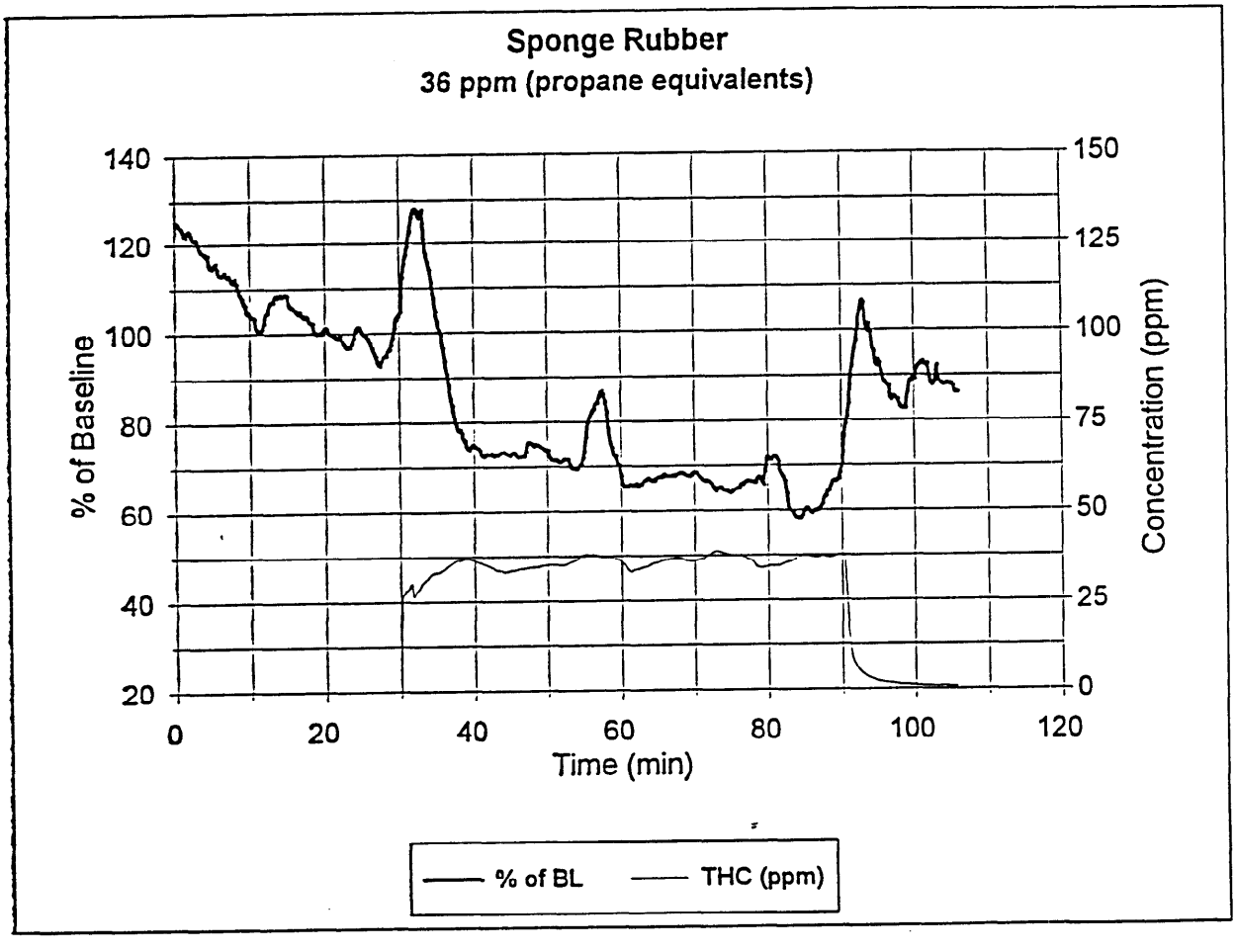

Sponge Rubber
36 ppm (propane equivalents)
140
120
100
80
60
40
20
% of Baseline
150
125
100
75
50
25
0
Concentration (ppm)
0
20
40
60
80
100
120
Time (min)
% of BL
THC (ppm)

FIGURE B-96

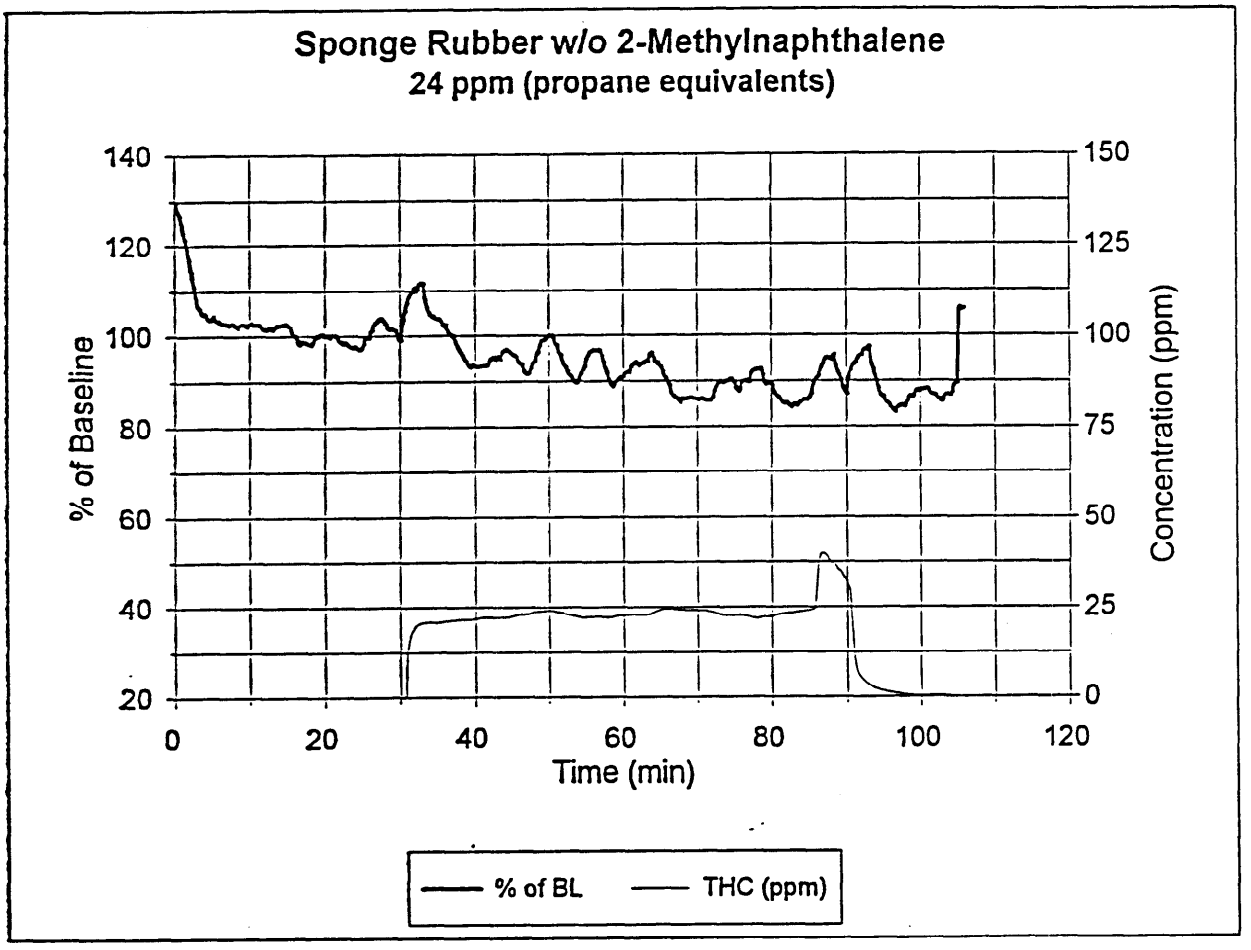

Sponge Rubber w/o 2-Methylnaphthalene
24 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
150
125
100
75
50
25
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-97

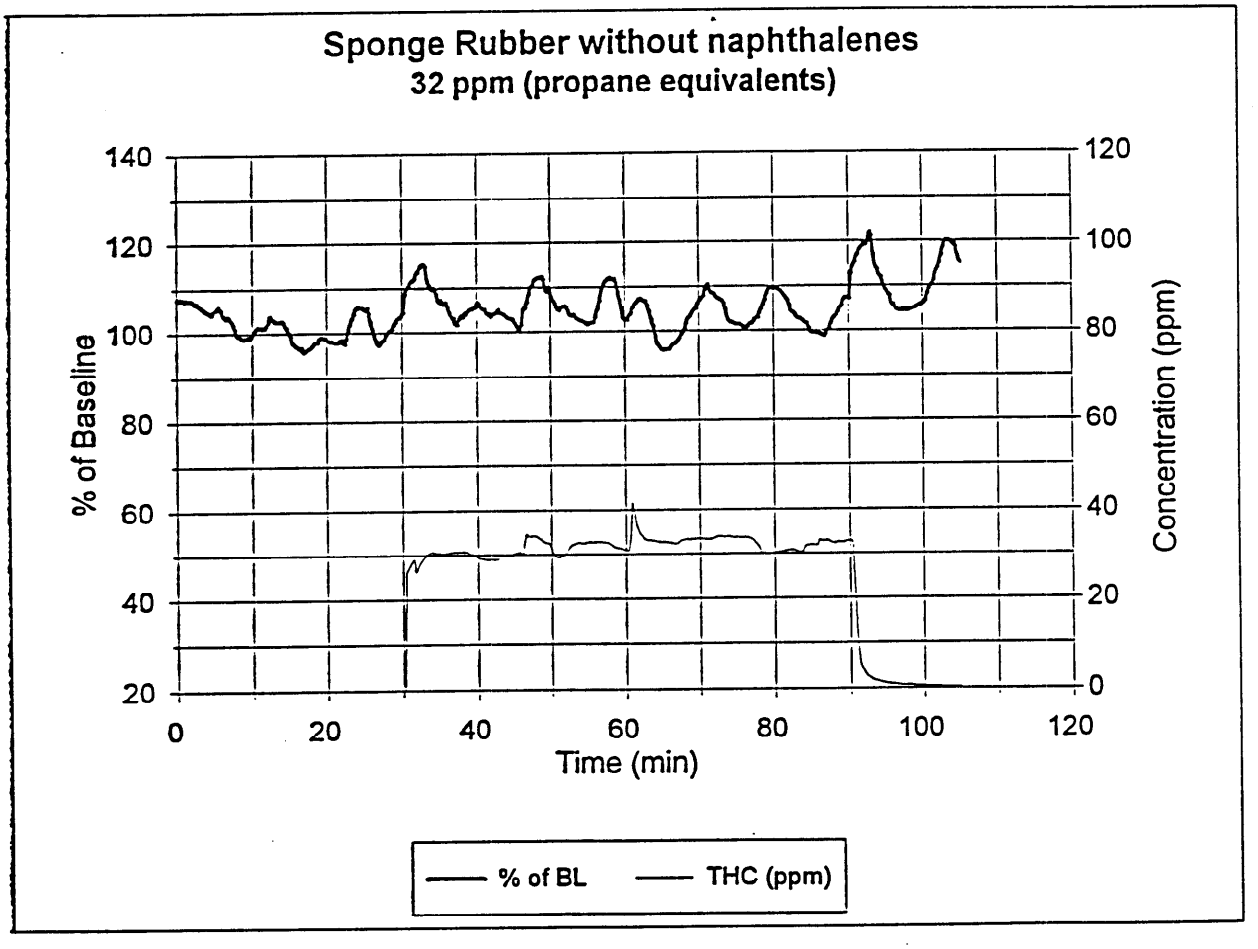

Sponge Rubber without naphthalenes
32 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-98

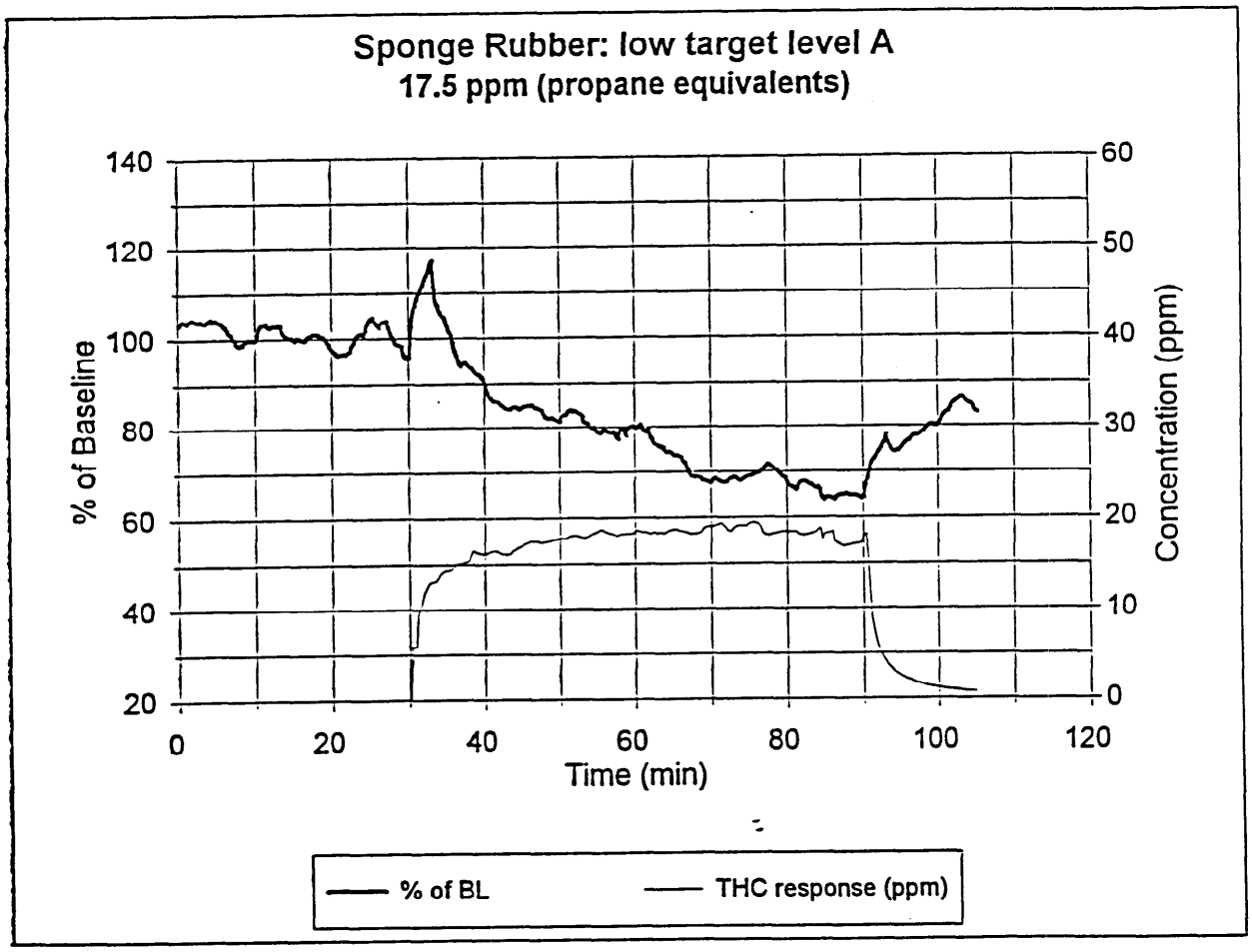

Sponge Rubber: low target level A
17.5 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
60
50
40
30
20
10
0
% of BL
THC response (ppm)

FIGURE B-99

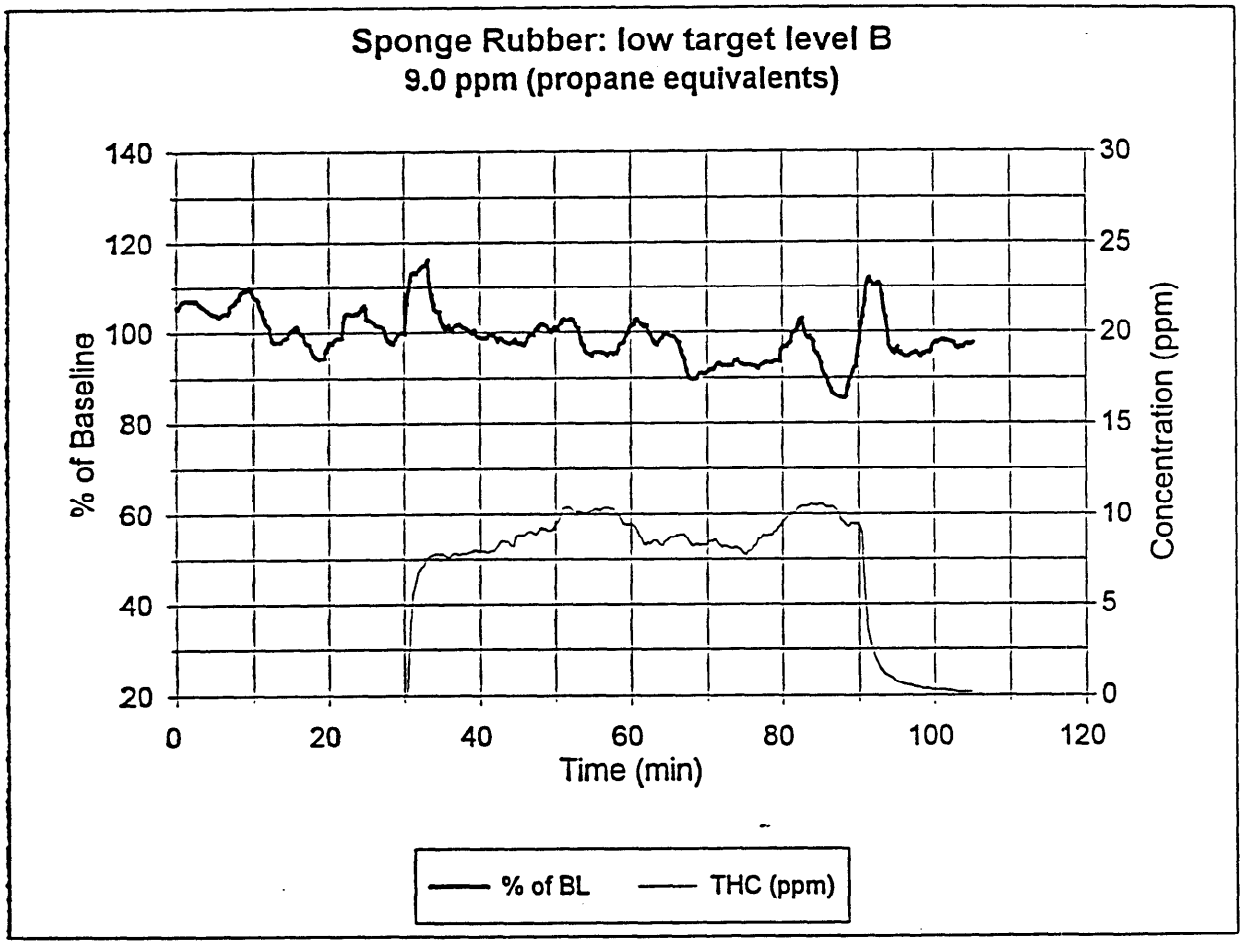

Sponge Rubber: low target level B
9.0 ppm (propane equivalents)
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC (ppm)

FIGURE B-100

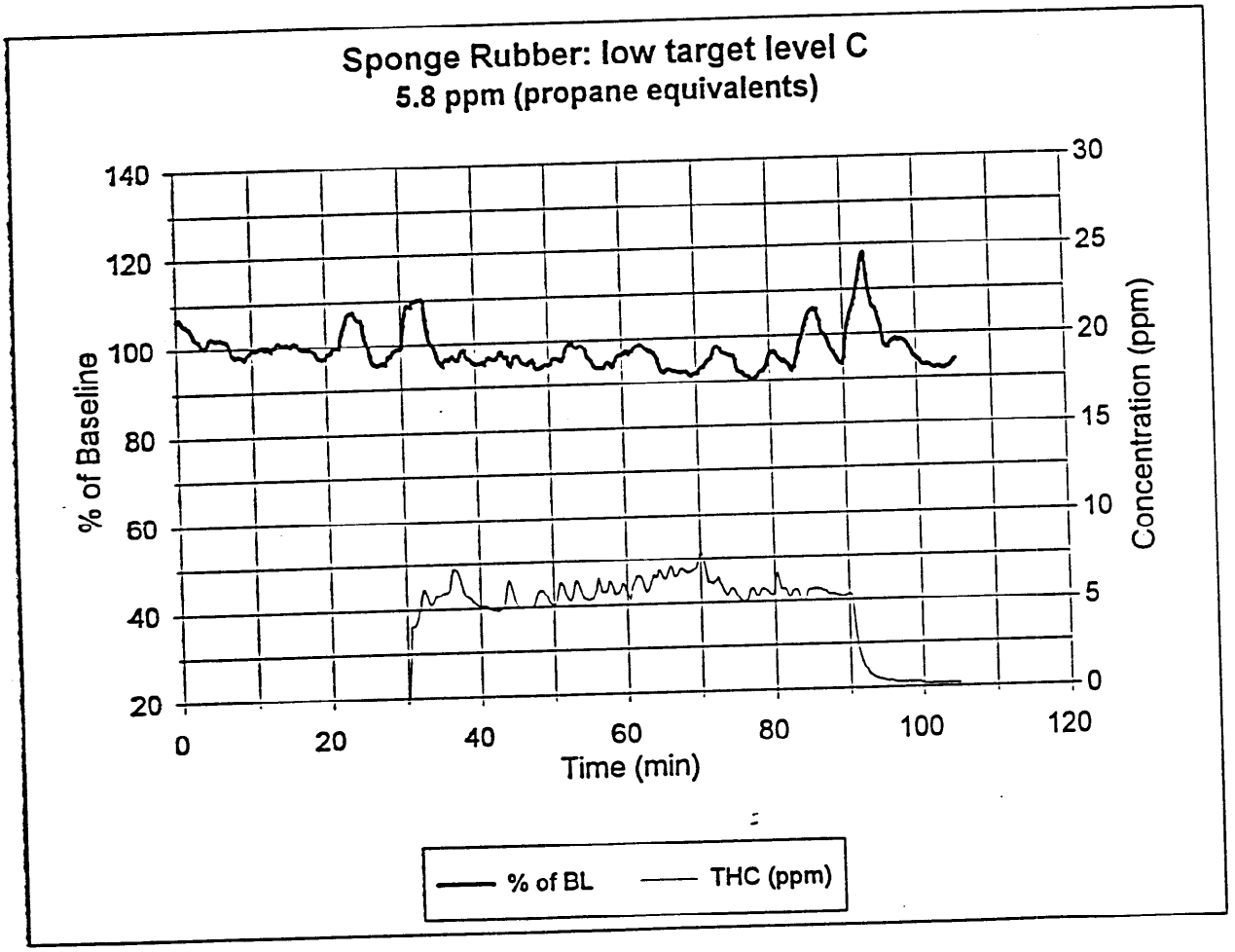

Sponge Rubber: low target level C
5.8 ppm (propane equivalents)
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
30
25
20
15
10
5
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC (ppm)

FIGURE B-101

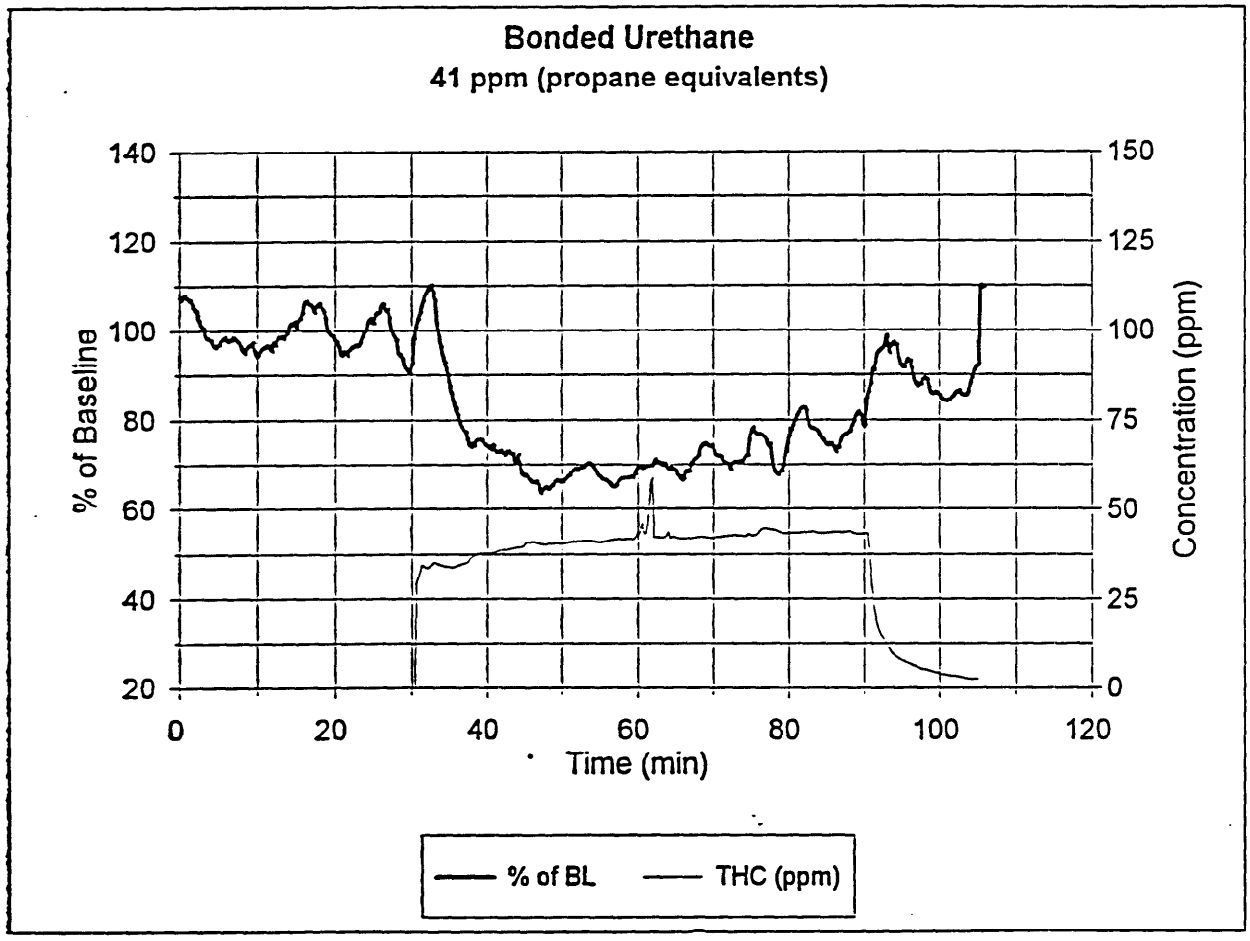

Bonded Urethane
41 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
150
125
100
75
50
25
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-102

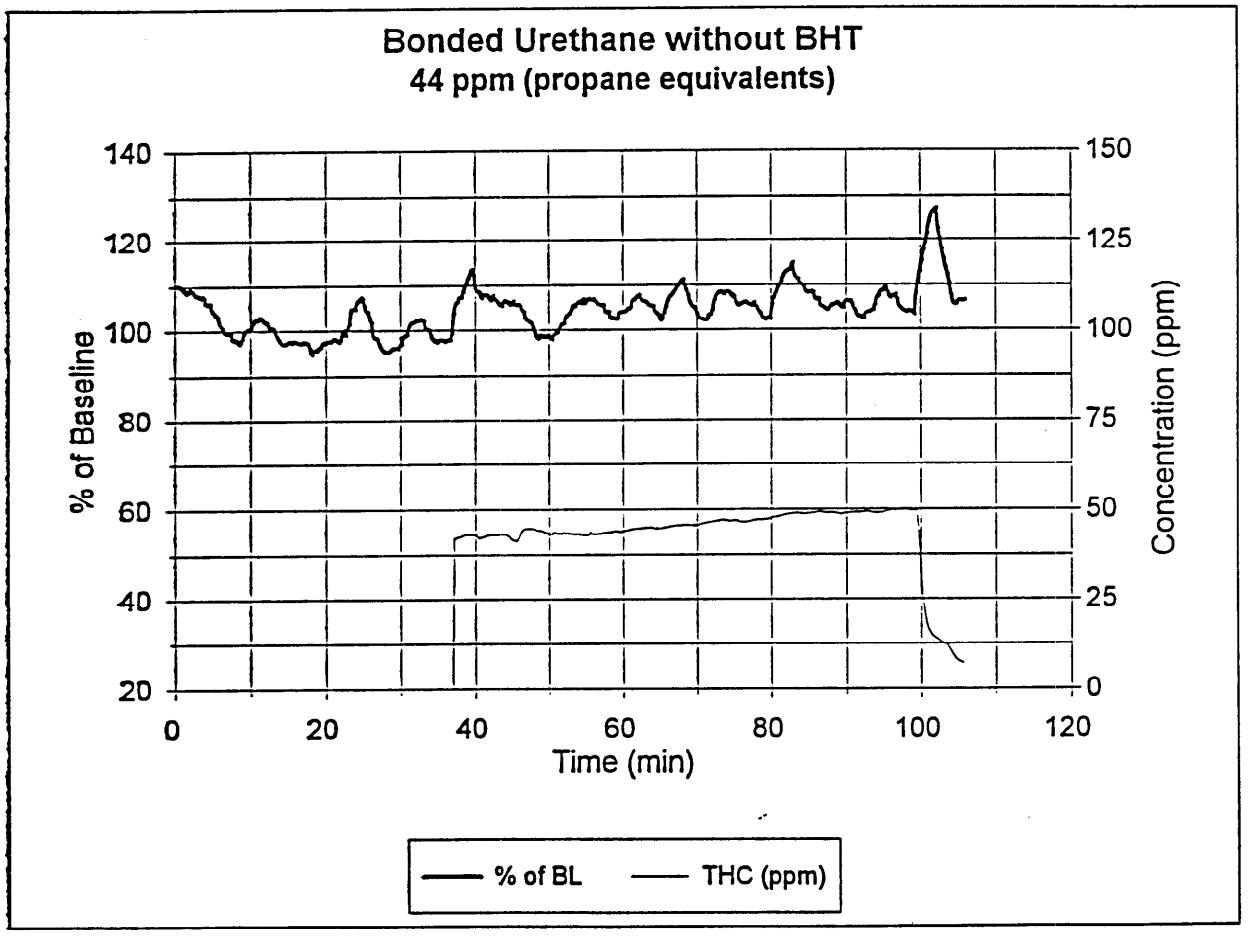

Bonded Urethane without BHT
44 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
150
125
100
75
50
25
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-103

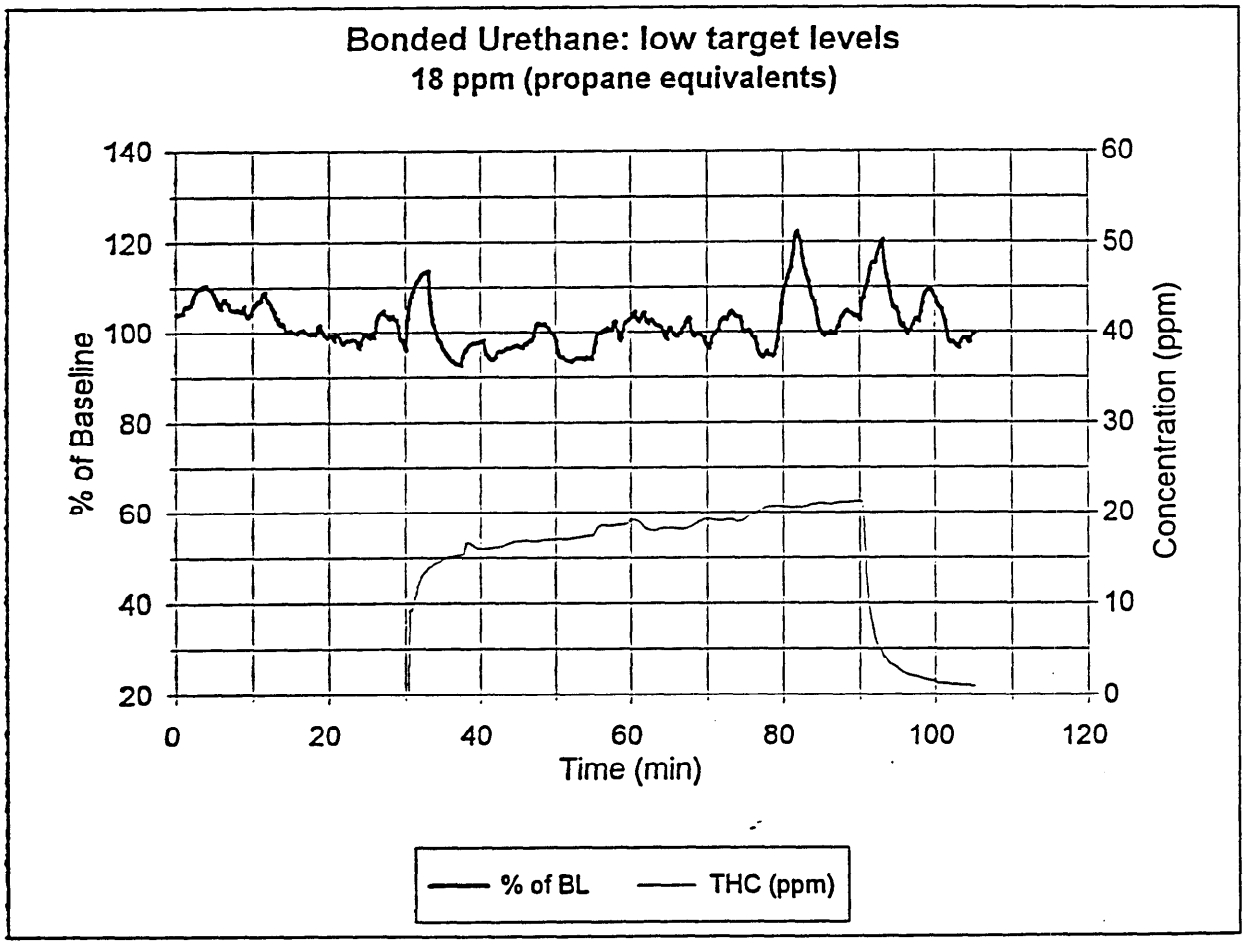

Bonded Urethane: low target levels
18 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
60
50
40
30
20
10
0
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-104

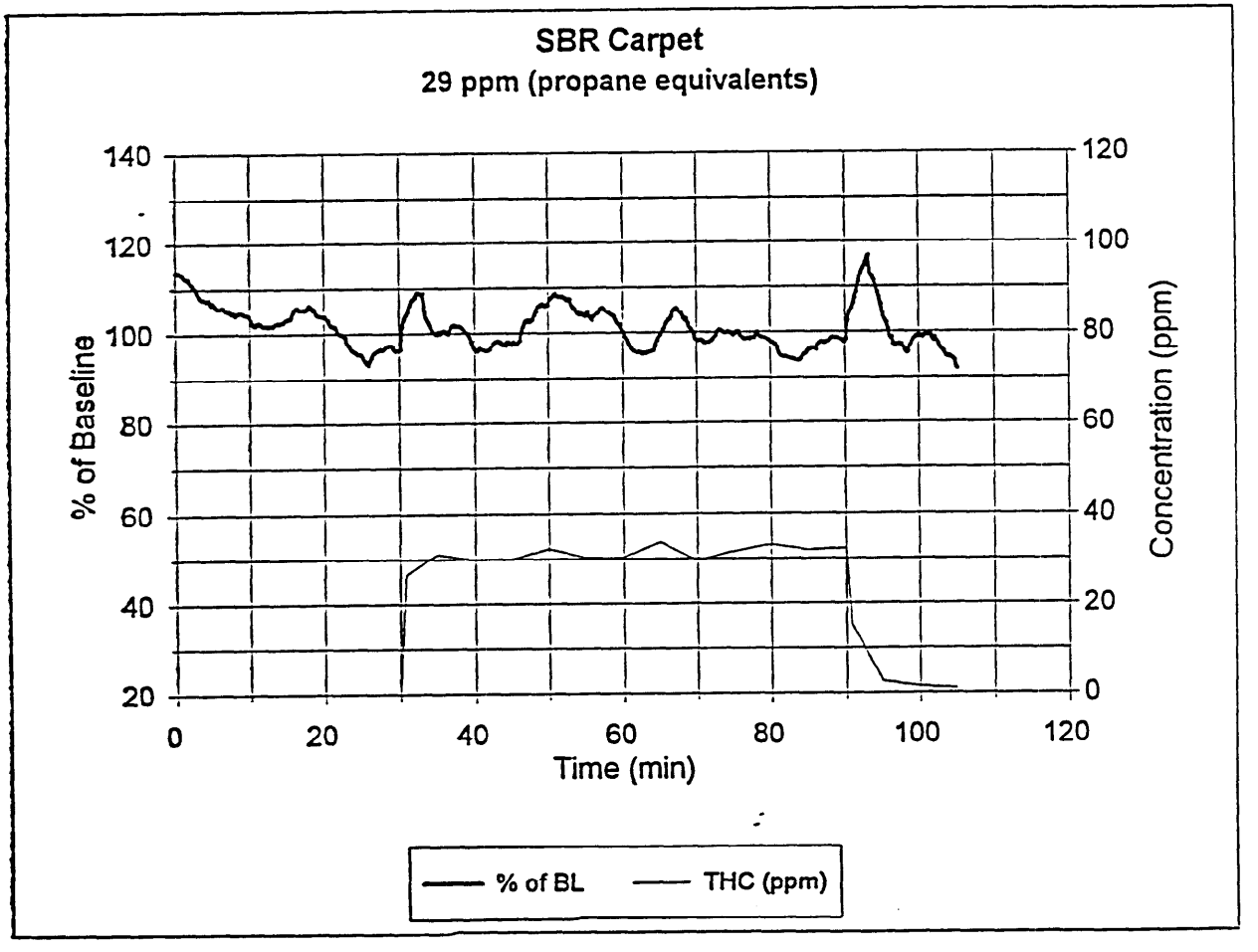

SBR Carpet
29 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-105

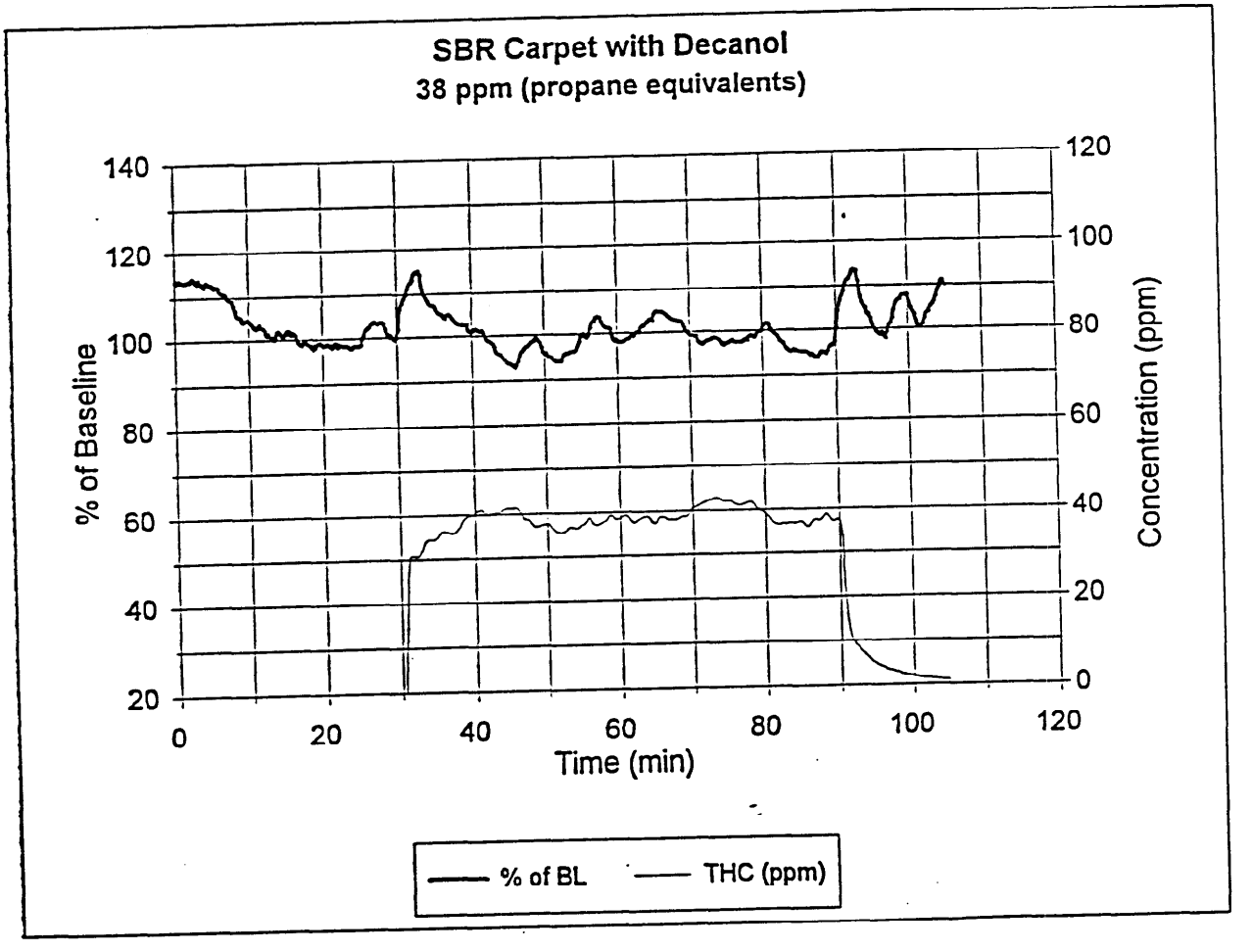

SBR Carpet with Decanol
38 ppm (propane equivalents)
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
120
100
80
60
40
20
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC (ppm)

FIGURE B-106

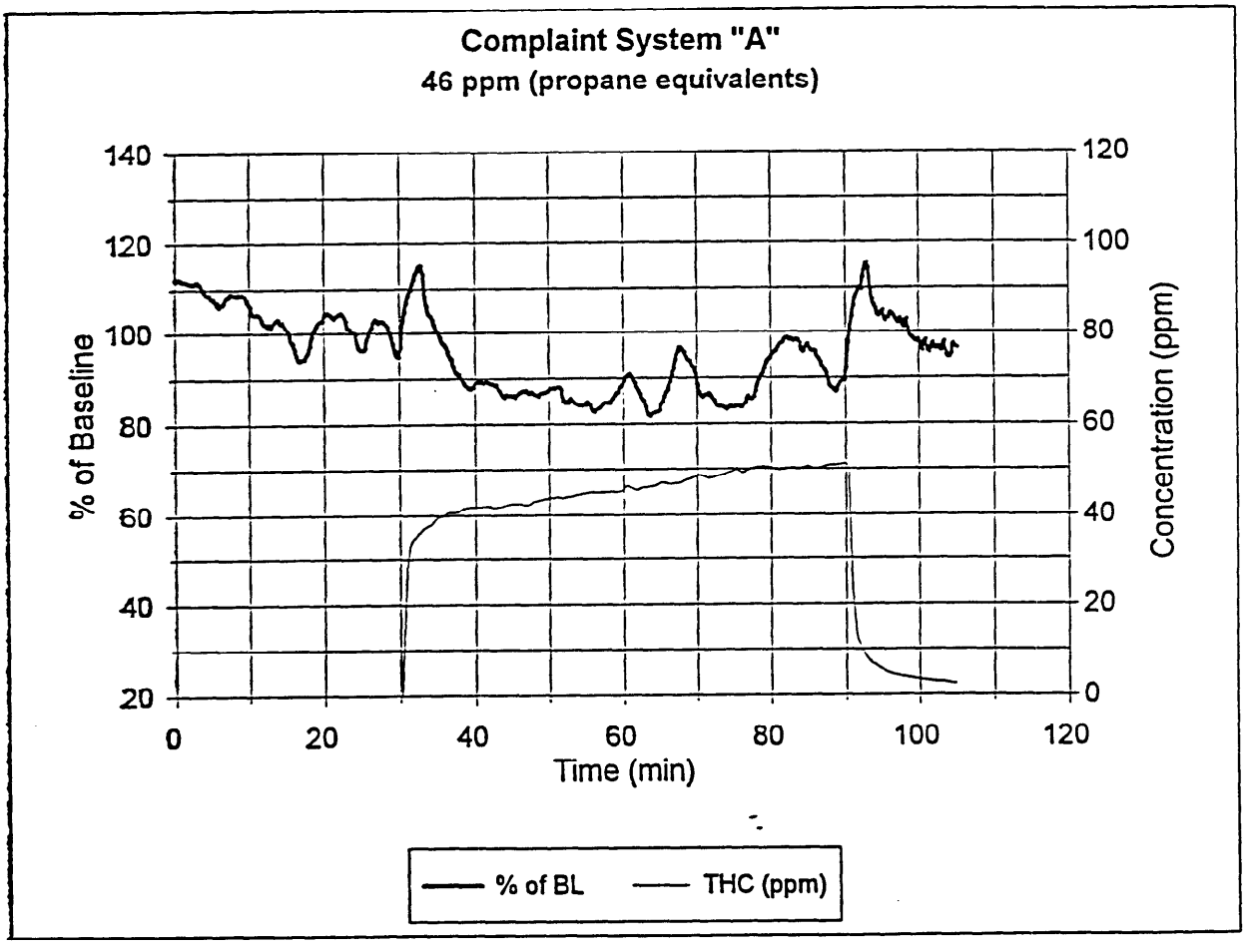

Complaint System "A"
46 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-107

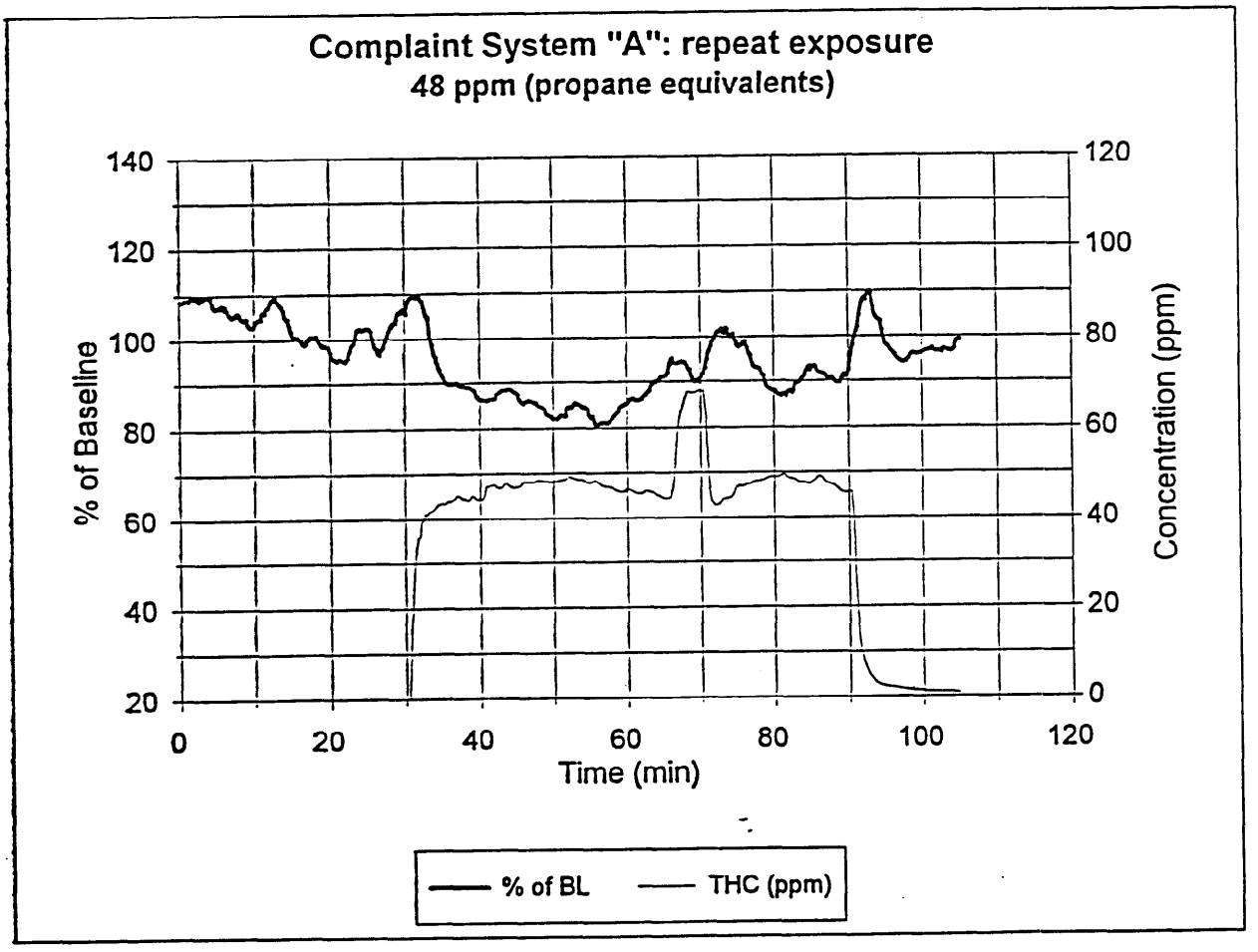

Complaint System "A": repeat exposure
48 ppm (propane equivalents)
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
120
100
80
60
40
20
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC (ppm)

FIGURE B-108

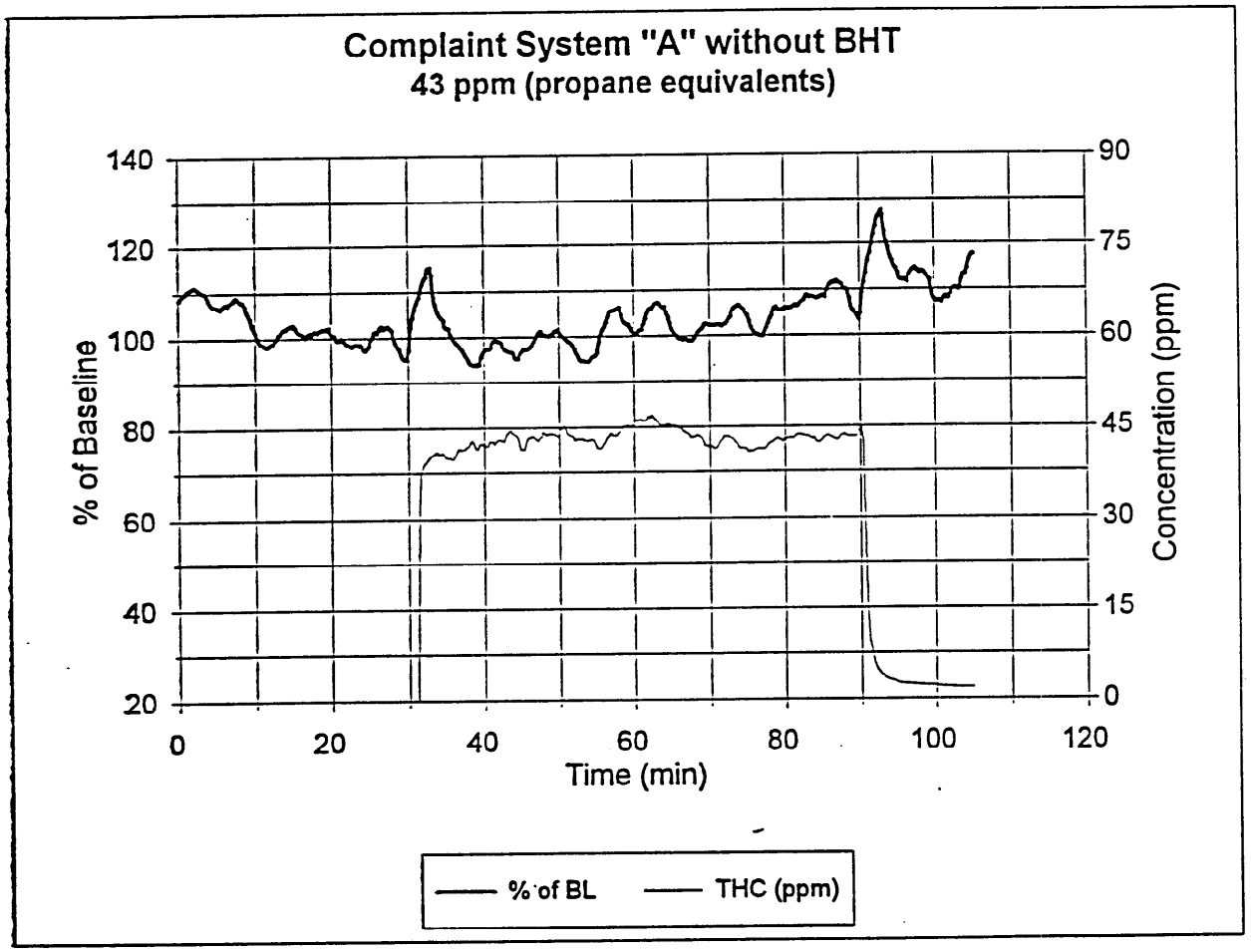

Complaint System "A" without BHT
43 ppm (propane equivalents)
% of Baseline
140
120
100
80
60
40
20
Concentration (ppm)
90
75
60
45
30
15
0
0
20
40
60
80
100
120
Time (min)
% of BL
THC (ppm)

FIGURE B-109

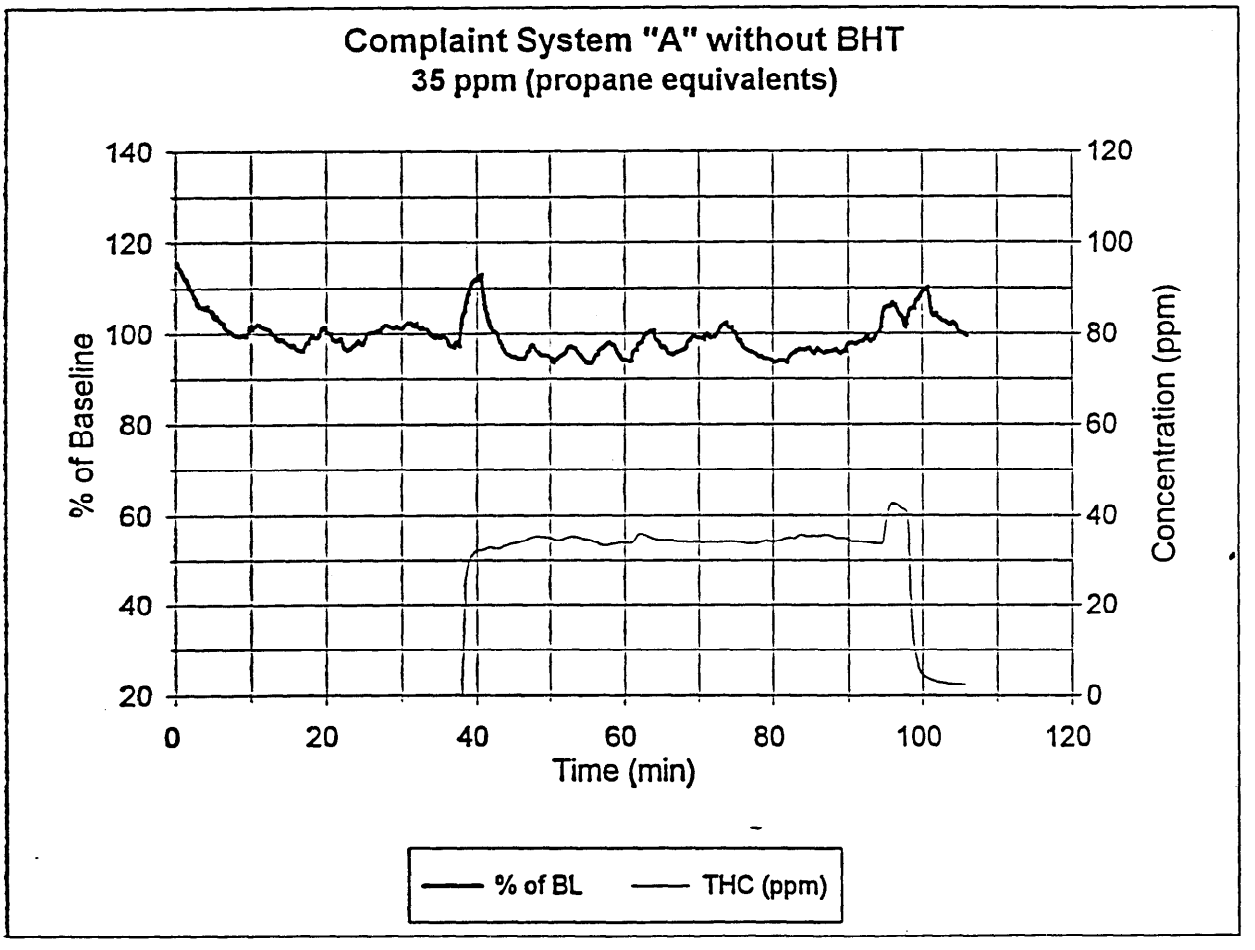

Complaint System "A" without BHT
35 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
0
20
40
60
80
100
120
% of BL
THC (ppm)

FIGURE B-110

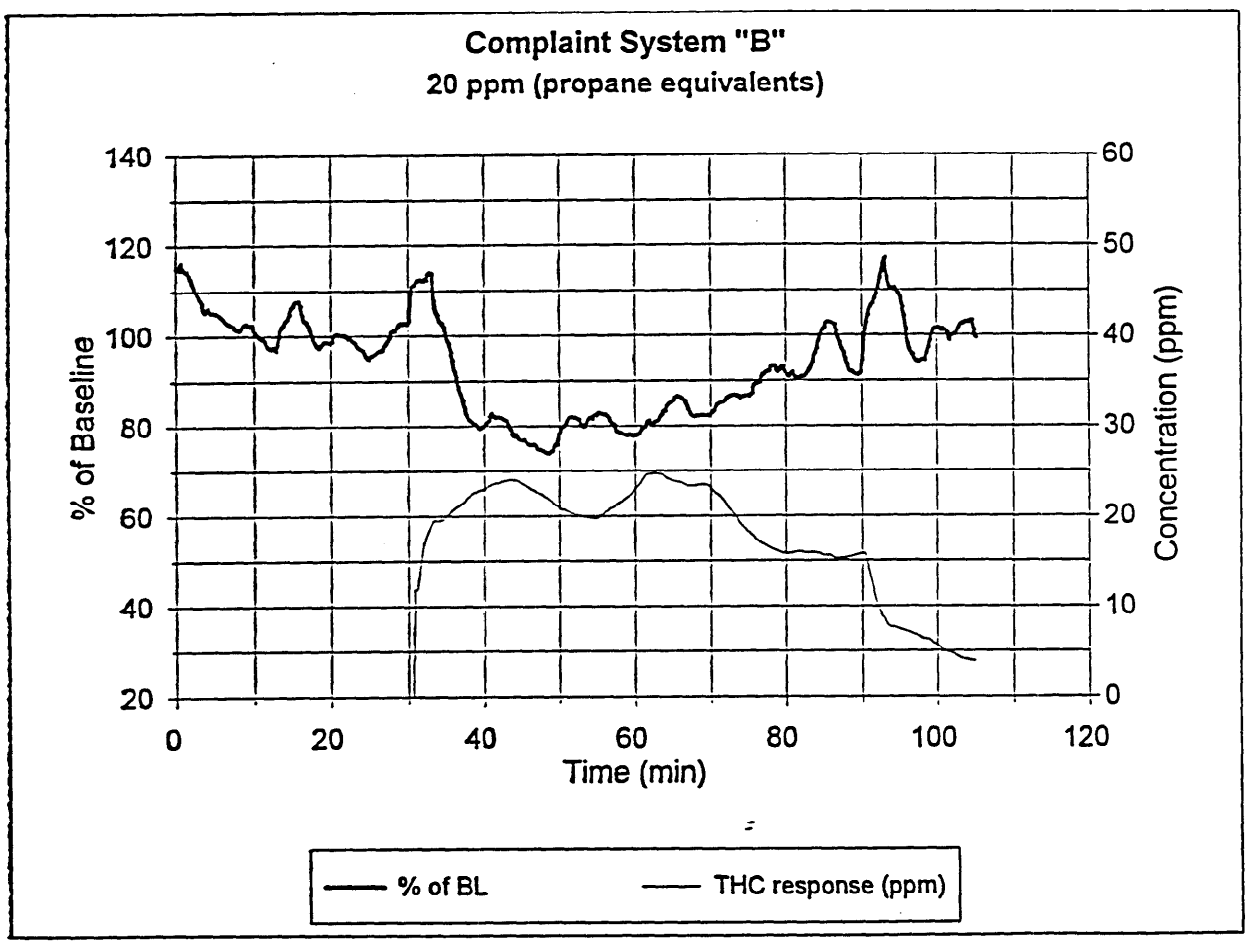

Complaint System "B"
20 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
60
50
40
30
20
10
0
0
20
40
60
80
100
120
% of BL
THC response (ppm)

FIGURE B-111

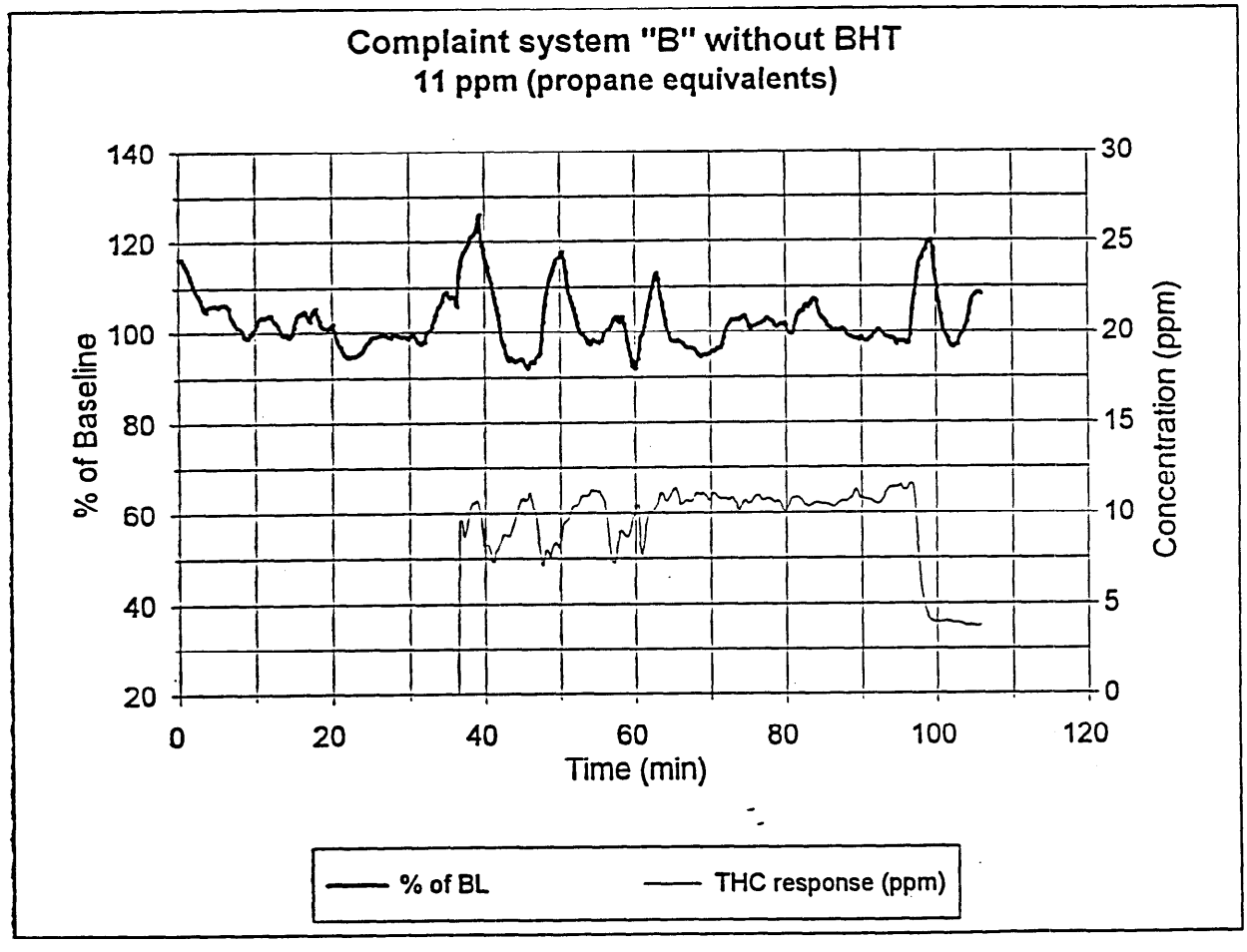

Complaint system "B" without BHT
11 ppm (propane equivalents)
% of Baseline
Concentration (ppm)
Time (min)
140
120
100
80
60
40
20
30
25
20
15
10
5
0
0
20
40
60
80
100
120
% of BL
THC response (ppm)

FIGURE B-112

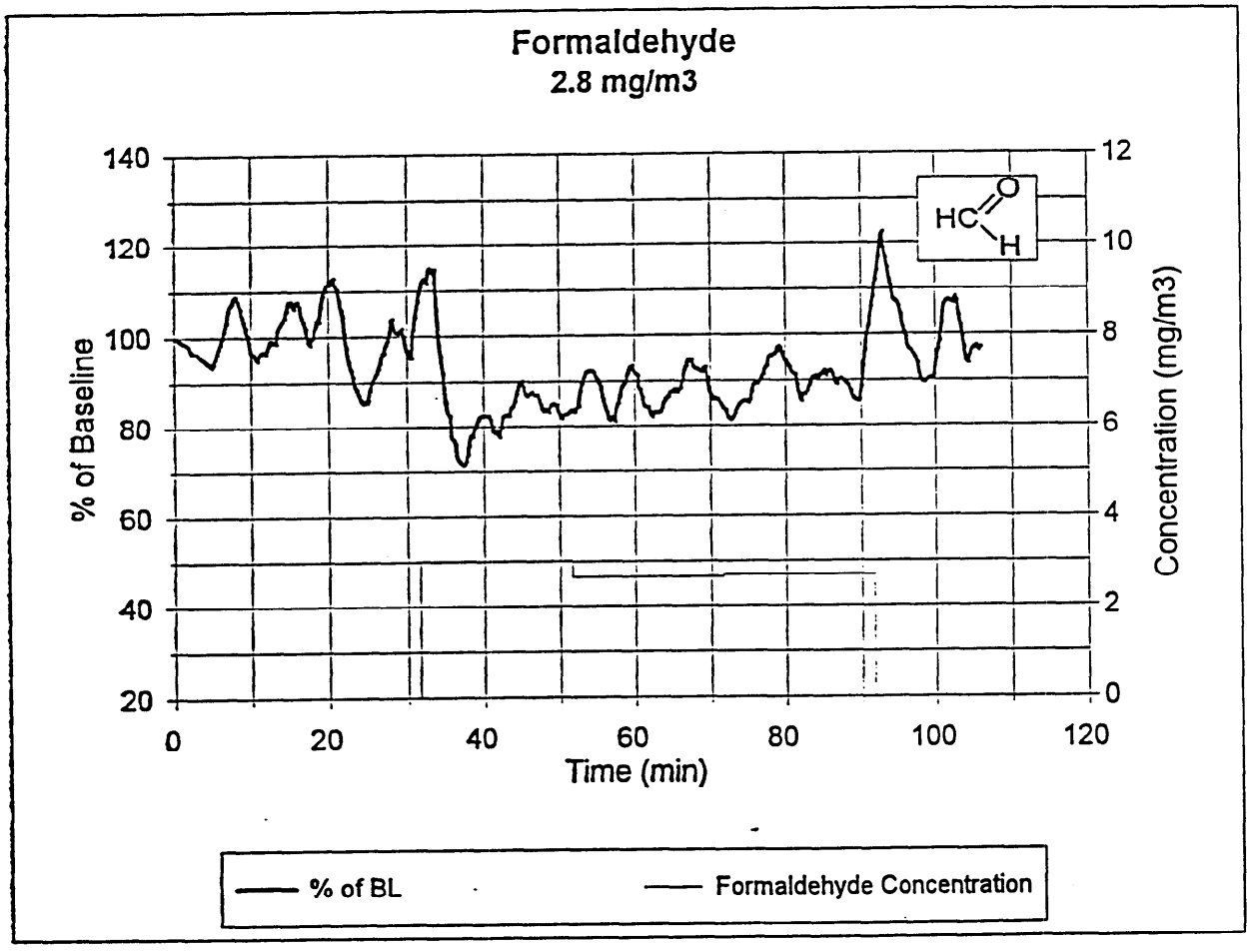

Formaldehyde
2.8 mg/m3
140
120
100
80
60
40
20
% of Baseline
12
10
8
6
4
2
0
Concentration (mg/m3)
0
20
40
60
80
100
120
Time (min)
HC
O
H
% of BL
Formaldehyde Concentration

FIGURE B-113

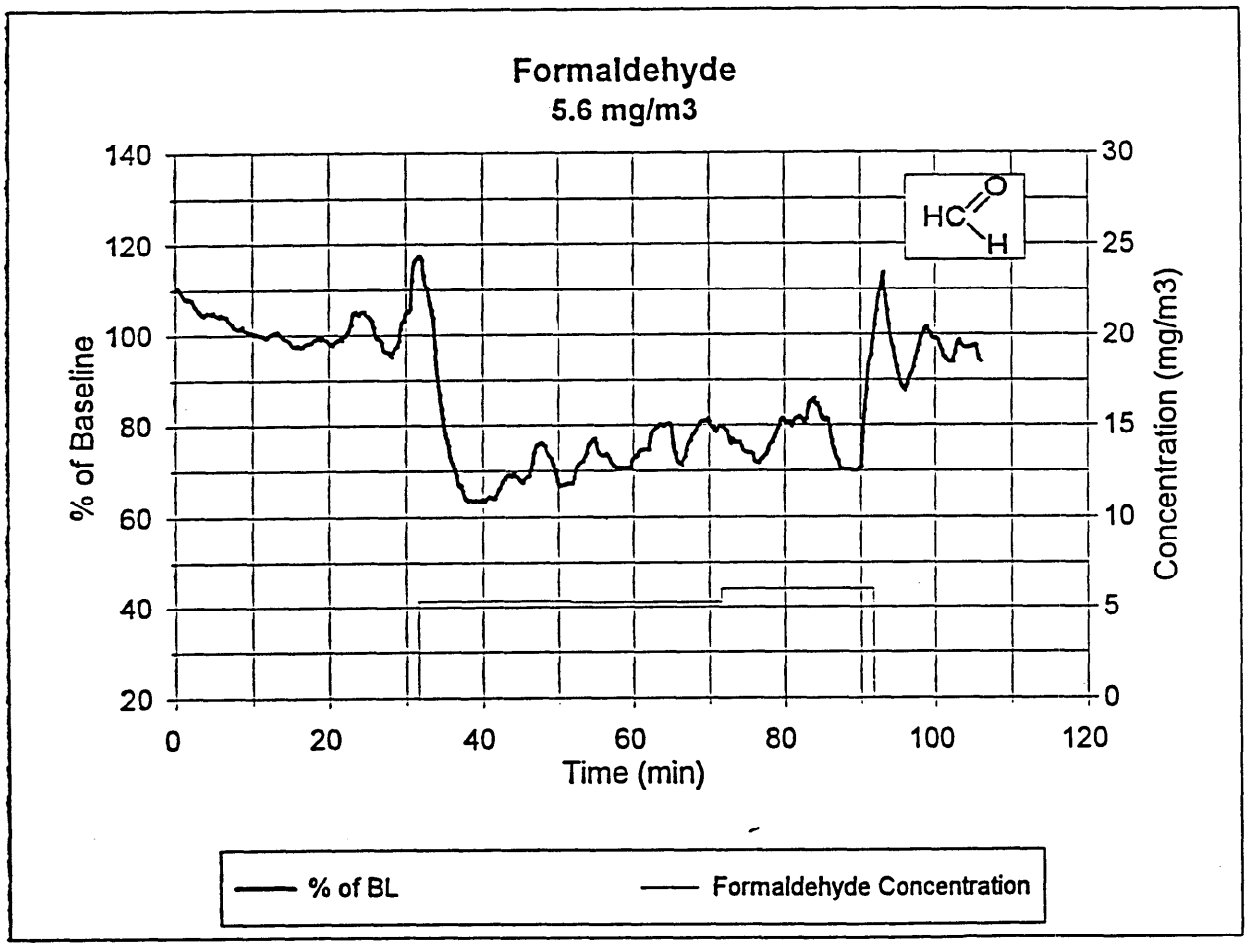

Formaldehyde
5.6 mg/m3
% of Baseline
Concentration (mg/m3)
Time (min)
140
120
100
80
60
40
20
30
25
20
15
10
5
0
0
20
40
60
80
100
120
HC
O
H
% of BL
Formaldehyde Concentration

FIGURE B-114

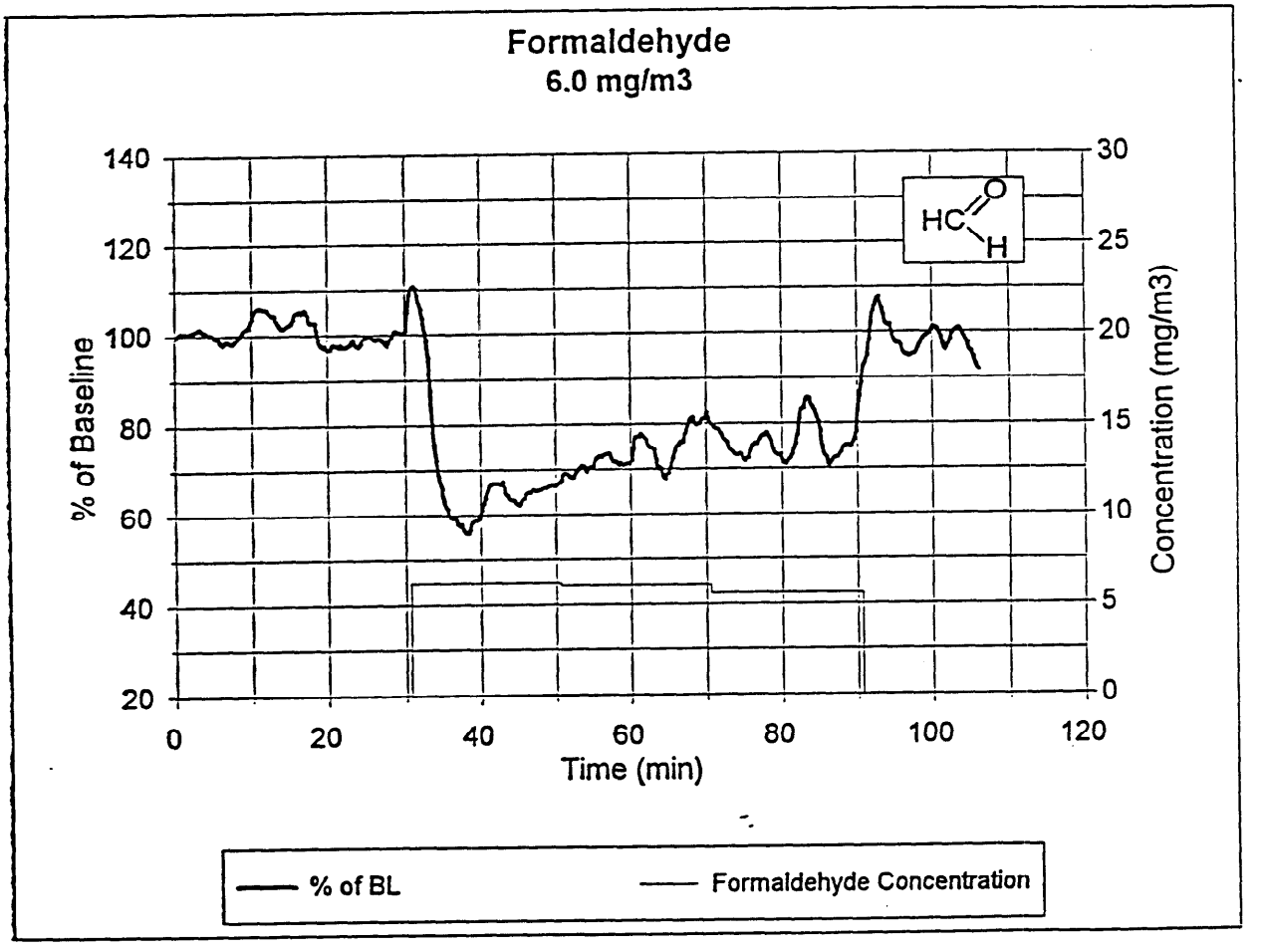

Formaldehyde
6.0 mg/m3
140
120
100
80
60
40
20
% of Baseline
30
25
20
15
10
5
0
Concentration (mg/m3)
0
20
40
60
80
100
120
Time (min)
HC
O
H
% of BL
Formaldehyde Concentration

FIGURE B-115

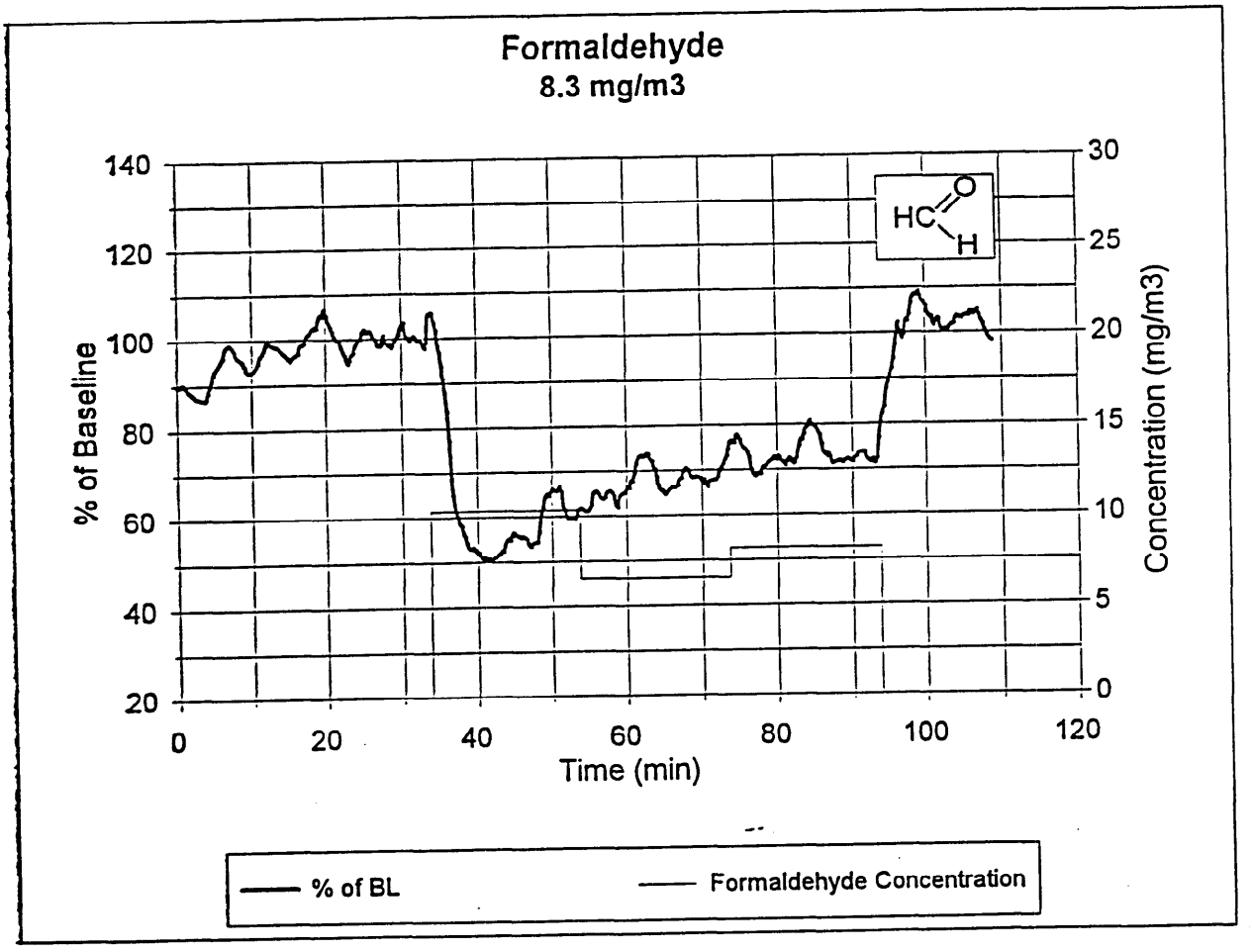
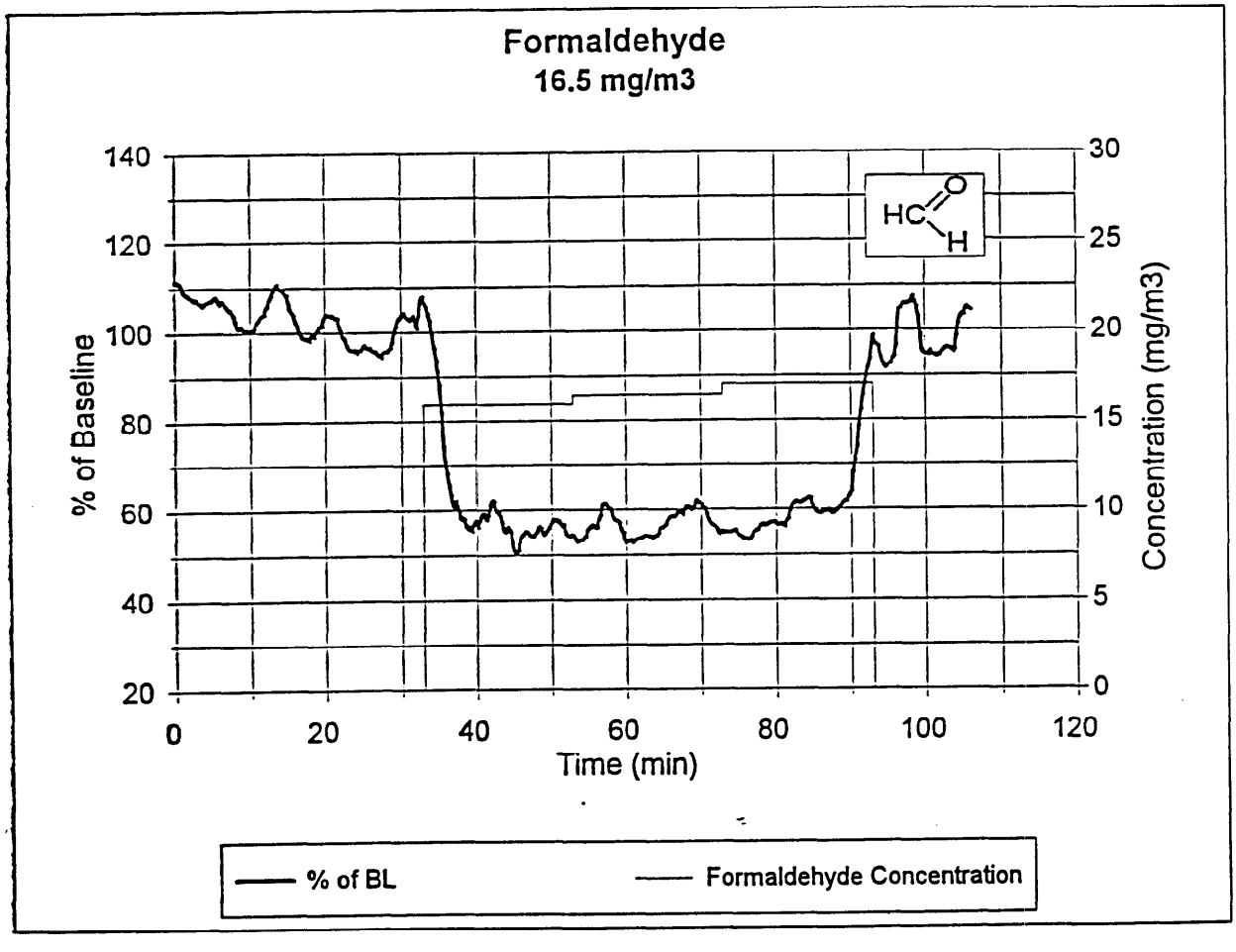

Formaldehyde
8.3 mg/m3
% of Baseline
140
120
100
80
60
40
20
0
20
40
60
80
100
120
Time (min)
Concentration (mg/m3)
30
25
20
15
10
5
0
HC
O
H
% of BL
Formaldehyde Concentration

FIGURE B-116


Formaldehyde
16.5 mg/m3
140
120
100
80
60
40
20
% of Baseline
30
25
20
15
10
5
0
Concentration (mg/m3)
0
20
40
60
80
100
120
Time (min)
HC
O
H
% of BL
Formaldehyde Concentration

APPENDIX C

CHEMICAL EMISSIONS DATA FROM CHAMBER EVALUATIONS OF TEST SAMPLES OF CARPET AND CUSHION

Carpet A

Environmental Chamber:	SA4
Product Loading:	0.40 m^2/m^3
Test Conditions:	1.00 ACH
	50.0% RH ± 5.0% RH
	23.0 degs C ± 2.0 degs C
Test Period:	06/20/95 - 06/24/95

CHAMBER TVOC CONCENTRATIONS FROM 0.000 TO 96.000 HOURS

ELAPSED EXPOSURE HOUR	TVOC CONCENTRATION ($\mu g/m^3$)
0.000	0.0
1.000	608.0
6.000	1241.2
24.000	165.5
48.000	75.2
72.000	52.6
96.000	35.0

IVOC CONCENTRATIONS ($\mu g/m^3$) FROM 0.000 TO 96.000 HOURS

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
1,2-Ethanediol (Ethylene glycol)*	1.2					
1,2-Propanediol (Propylene glycol)	1.1					
1-Decene	2.1	5.1				
1-Dodecene	47.6	80.3	13.2	5.4		
1-Heptanol, 4-methyl-*		1.3				
1-Nonanol		1.9				
1-Octene, 3,3-dimethyl-*		3.0				

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate (Texanol)	1.9					
2,2-Dimethyl-1-isopropyl-1,3-propanediol monoisobutyrate (Texanol)	1.0					
2,6-Di-tert-butyl-4-methylphenol (BHT)	9.1	3.6	4.2	3.8	7.0	5.3
2-Decene, 4-methyl-, (Z)-*	16.2	37.8	5.8	2.2		
2-Dodecene, (E)*	12.4	17.6	1.4			
3-Decene, 2,2-dimethyl-, (E)- (9Cl)*	46.8	98.0	11.8	4.7	3.2	
3-Dodecene, (E)*	23.0	32.2	5.7	3.1	2.4	1.8
3-Ethyl-2-methyl-1-heptene*		1.8				
3-Ethyl-4-octene*		2.1				
3-Nonene, 3-methyl-, (E)-*	3.8	10.3				
3-Octanol, 3,7-dimethyl	2.7					
3-Octanol, 3,7-dimethyl*		6.8				
3-Undecene, 8-methyl-*	113.3	205.8	33.9	18.5	13.6	10.5
3-Undecene, 9-methyl-, (E)-*	15.3	29.4	4.3	2.4	1.6	1.3
4-Decene, 3-methyl-, (E)-*	48.0	104.0	12.1	1.9	1.2	
4-Dodecene*	49.7	71.4	13.9	7.3	5.6	2.2
4-Nonene, 2-methyl-, (Z)-*	1.6	8.3				
4-Nonene, 3-methyl, (Z)*	2.3	6.2				
4-Nonene, 5-methyl-*	8.7	19.9	2.2			
4-Octene, (Z)*		0.9				
4-Undecene, 4-methyl-*	21.8	43.1	5.6	3.1		
5-Dodecene, (Z)- (8Cl9Cl)*	30.2	50.2	9.5	5.1	3.6	2.9
5-Undecene, 7-methyl-, (E)-*	43.7	73.9	13.0	7.2	5.2	4.0
6-Dodecene, (E)- (8Cl9Cl)*	32.5	54.4	9.6	5.1	4.0	3.1
Acetamide, N,N-dimethyl- (8Cl9Cl)	15.6		4.4	2.3	2.2	1.5
Acetic acid	3.3					
Acetone (2-Propanone)	4.3	139.6	1.9			

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
Benzene, ethyl		7.0				
Cyclohexane, 1,1-dimethyl-2-propyl-*	8.7	19.1	2.3			
Cyclohexane, 1,2-diethyl-3-methyl-*	14.8	30.5	3.9			
Cyclohexanol	8.8	2.5	1.6			
Cyclopentasiloxane, decamethyl*		6.8				
Cyclopropane, octyl-*	2.3	6.3				
Dodecane	2.3	2.0				
Ethane, 1,1,1-trichloro		1.4				
Formic acid, ethyl ester*		6.6				
Hexanal (Hexaldehyde)		1.3				
Hexane, 2,2-dimethyl		1.8				
Hexane, 2,2-dimethyl*	1.9					
Methanamine, N-methyl*		0.9				
Methanol		3.6				
Nonane	0.8	2.2				
Nonane, 4-methyl	1.0	4.2				
Octane		0.7				
Pentane, 2,2,4-trimethyl (Isooctane)		5.6	1.3			
Pentane, 2,3,4-trimethyl		0.8				
Phenol	1.9					
Styrene	4.6	5.9	3.7	3.0	2.8	2.5
Toluene (Methylbenzene)	1.5	5.4				
Undecane, 3-methyl*		4.0				
Undecane, 4-methyl*		3.8				

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
Xylene (para and/or meta)		7.6				
Xylene, ortho		2.0				

*Indicates best NIST/EPA/NIH library match only.
Individual compounds and TVOC (total volatile organic compounds) are calibrated relative to toluene.
TVOC detection limit: 0.9 µg/m^3. Individual detection limits may vary, depending on instrument response.

Carpet B

Environmental Chamber:	SA5
Product Loading:	0.42 m^2/m^3
Test Conditions:	1.00 ACH
	50.0% RH ± 5.0% RH
	23.0 degs C ± 2.0 degs C
Test Period:	06/20/95 - 06/24/95

CHAMBER TVOC CONCENTRATIONS FROM 0.000 TO 96.000 HOURS

ELAPSED EXPOSURE HOUR	TVOC CONCENTRATION ($\mu g/m^3$)
0.000	0.0
1.000	818.2
6.000	317.4
24.000	99.7
48.000	44.4
72.000	19.9
96.000	26.8

IVOC CONCENTRATIONS ($\mu g/m^3$) FROM 0.000 TO 96.000 HOURS

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
1-Decene	22.3	9.4	2.9	1.7		
1-Octanol, 3,7-dimethyl	2.0					
1-Octene, 3,3-dimethyl-*	2.9					
2,6-Di-tert-butyl-4-methylphenol (BHT)	2.6	7.0	6.3	6.8	6.4	5.3
2,6-Octadien-1-ol, 2,7-dimethyl-*	8.8	4.1				
2-Decene, 7-methyl-, (Z)-*	11.0	6.0	1.8			
2-Dodecene, (E)*	16.2	11.3				
2-Propenoic acid, methyl ester*	3.2					

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
2-Undecene, (E)*	11.4	4.1				
2-Undecene, (Z)-*	13.2	6.4				
3-Cyclohexen-1-ol*	2.4	1.0				
3-Decene, 2,2-dimethyl-, (E)- (9Cl)*	20.2	8.4	1.6			
3-Dodecene, (Z)- (8Cl9Cl)*	60.6	18.5	7.1	3.8		
3-Octene, 2,6-dimethyl-*	3.6	1.5				
3-Undecene, (E)-*	9.7	4.2				
3-Undecene, 3-methyl-*		24.2	10.3			
3-Undecene, 8-methyl-*	34.9	21.4	7.6	3.9	1.7	1.3
4-Dodecene*	29.1	20.1	7.1	3.9	1.0	0.7
4-Dodecene, (E)- (8Cl9Cl)*	12.2	8.8	3.5			
4-Nonene, 3-methyl, (Z)*	0.9					
4-Octene, 2,3,6-trimethyl-*	4.3	1.6				
4-Undecene, 3-methyl-, (E)-*	12.9	6.9	2.3	0.9		
4-Undecene, 3-methyl-, (Z)-*	19.7	14.1	4.3			
5-Dodecene, (Z)- (8Cl9Cl)*	13.9	8.5	2.8	1.6		
5-Undecene, (E)*	28.9	13.9	3.8	1.7		
6-Dodecene, (E)- (8Cl9Cl)*	76.0	46.2	16.1	8.2	4.5	2.6
Acetaldehyde (Ethanal)	3.7					
Acetamide, N,N-dimethyl- (8Cl9Cl)		12.1	6.7	5.9	3.7	
Acetone (2-Propanone)	230.8	2.2				1.2
Benzene, 1,2,4-trimethyl	16.6	7.1	1.5			
Benzene, 1-ethyl-4-methyl (4-Ethyltoluene)	2.8					
Benzene, ethyl	1.3					
Cyclohexane, 1-ethyl-1,4-dimethyl-, cis-*	1.3					
Cyclopentane, 2-isopropyl-1,3-dimethyl-*	2.7	1.0				

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
Cyclopentasiloxane, decamethyl*	6.0					
Cyclopropane, 1,1,2-trimethyl-3-(2-methylpropyl)-(9Cl)*	2.7	1.2				
Cyclopropane, 1-ethyl-2-heptyl- (9Cl)*	20.2	10.1	2.8			
Dodecane	1.0					
Ethane, 1,1,1-trichloro	2.6					
Ethanol	14.2					
Ethene, 1,1,2,2-tetrachloro (Tetrachloroethylene)	0.8					
Hexanal (Hexaldehyde)	2.2					
Hexane, 2,2,4-trimethyl	1.0					
Isobornyl acetate*	3.0	3.2	1.6	1.4	1.0	
Methanol	22.7	6.6				14.5
Nonane	1.3					
Nonane, 2-methyl	2.7					
Pentanal (Valeraldehyde)	0.9					
Pentane, 2,2,4-trimethyl (Isooctane)	3.8	0.7				
Pentane, 2,3,4-trimethyl	1.0					
Styrene	2.5	1.4	0.9			
Toluene (Methylbenzene)	8.2	1.7				

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
Undecane	35.0	22.5	8.5	4.5	1.6	1.2
Xylene (para and/or meta)	1.9					
Xylene, ortho	2.2					

*Indicates best NIST/EPA/NIH library match only.
Individual compounds and TVOC (total volatile organic compounds) are calibrated relative to toluene.
TVOC detection limit: 0.9 μg/m³. Individual detection limits may vary, depending on instrument response.

Cushion A

Environmental Chamber:	SA1
Product Loading:	0.40 m^2/m^3
Test Conditions:	1.00 ACH
	50.0% RH ± 5.0% RH
	23.0 degs C ± 2.0 degs C
Test Period:	06/22/95 - 06/26/95

CHAMBER TVOC CONCENTRATIONS FROM 0.000 TO 96.000 HOURS

ELAPSED EXPOSURE HOUR	TVOC CONCENTRATION ($\mu g/m^3$)
0.000	0.0
1.000	801.1
6.000	490.5
24.000	186.5
48.000	96.0
72.000	97.8
96.000	85.1

IVOC CONCENTRATIONS ($\mu g/m^3$) FROM 0.000 TO 96.000 HOURS

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
1,2-Ethanediol (Ethylene glycol)	8.3	6.2	7.7	4.1	6.0	2.5
1,2-Propanediol (Propylene glycol)	13.7	1.4	12.2	9.2	4.6	2.3
1,4-Dioxane, 2,5-dimethyl-*	3.1	0.7				
1-Butanol (N-Butyl alcohol)	4.2	3.9				
1-Ethyl-3-methylcyclohexane (c,t)*	7.4	1.2				
1-Heptanol, 2-propyl- (8Cl9Cl)*	9.2	7.1	1.8			
1-Hexanol, 2-ethyl					1.1	0.8
1-Octanol, 2-butyl- (8Cl9Cl)*	3.7	3.0				

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
1-Tridecanol*			1.7			1.7
1-Undecene	4.0	3.2				
2(1H)-Naphthalenone, octahydro-4a,5-dimethyl-3-(1-methylethyl), (3α,4aβ,8aα)*		2.3	1.5		1.6	1.3
2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate (Texanol)	1.9	7.3	6.3	5.6	5.1	8.0
2,2-Dimethyl-1-isopropyl-1,3-propanediol monoisobutyrate (Texanol)	1.2	3.7	3.1	2.6	2.9	4.5
2,6-Di-tert-butyl-4-methylphenol (BHT)	13.9	44.7	40.6	24.0	43.1	45.0
2-Butenal*	5.3					
2-Heptanone*	1.2	3.6				
2-Pentanone, 4-methyl (Methyl isobutyl ketone, MIBK)*	2.5					
2-Propanol, 1,3-dichloro-			1.6	2.3		
2-Propanol, 1-butoxy		6.4	3.4	1.8	1.1	
2-Propanol, 1-ethoxy (8CI9CI)*			2.0			
2H-2,4a-Methanonaphthalene, 1,3,4,5,6,7-hexahydro-1,1,5,5-tetramethyl-, (2S)-*		2.2	1.1		1.9	1.0
4-Heptanol, ethyl-*	3.0					
4-Nonene, 3-methyl, (Z)*	2.1					
4-Nonene, 5-methyl-*	8.8	4.5				
4-Undecene, (Z)-*	3.0	2.2				
5-Undecene, (Z)- (8CI9CI)*	2.9					
Acetamide, N,N-dimethyl- (8CI9CI)	7.3	3.6	8.1	6.8	6.4	1.2
Acetate, butyl	1.7					
Acetic acid	18.3	8.1	11.6	6.2	3.8	2.0
Benzaldehyde			1.8			
Benzene	1.0					

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
Benzene, 1,2,3-trimethyl	12.3	9.2	8.0	2.4		
Benzene, 1,2,4-trimethyl	26.3	18.3	6.0	1.7		
Benzene, 1,3,5-trimethyl (Mesitylene)		7.3				
Benzene, 1-ethyl-2,3-dimethyl*	3.8	3.0				
Benzene, 1-ethyl-2-methyl (2-Ethyltoluene)	5.4	3.9	1.1			
Benzene, 1-ethyl-4-methyl (4-Ethyltoluene)	18.3	12.7	2.6			
Benzene, 1-methyl-3-propyl			2.4			
Benzene, 1-methylethyl (Cumene)	2.1	0.8				
Benzene, 2-ethyl-1,3-dimethyl*	3.4	2.6				
Benzene, 4-ethyl-1,2-dimethyl*	5.6	3.7				
Benzene, ethyl	10.2	4.2				
Benzene, propyl		6.5				
Cyclohexane, (2-methylpropyl)*	13.6	9.2				
Cyclohexane, 1,1,3-trimethyl	3.5					
Cyclohexane, 1,1-dimethyl-2-propyl-*	4.1	3.2				
Cyclohexane, 1,2,3-trimethyl	2.1	1.8				
Cyclohexane, c,c,t-1,3,5-trimethyl	2.8					
Cyclohexane, c-1-ethyl-4-methyl*	5.9					
Cyclohexane, decyl*	1.5	2.4	2.0	2.0	1.9	1.7
Cyclohexane, ethyl	3.2					
Cyclohexane, octyl*	3.7					
Cyclohexane, propyl	11.5	3.9				
Cyclohexane, t-1-ethyl-4-methyl*	8.3					
Cyclohexane,1-methyl-4-(1-methyl ethyl)*	7.0	4.1				
Cyclohexanepropanol-*	9.5	2.3				

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
Cyclohexanol, 1-methyl-4-(1-methylethyl)-*	5.5	8.3	7.1	6.1	4.5	4.3
Cyclopentane, 1-methyl-3-(2-methylpropyl)-*	6.7	2.9				
Cyclopentasiloxane, decamethyl*	4.4	3.7	1.3			
Decane	64.2	40.3	4.3	0.9		
Decane, 2,6,8-trimethyl*		1.2				
Decane, 2,6-dimethyl*	2.8	2.2				
Decane, 2-methyl	6.1	4.7	1.0			
Decane, 3-methyl	7.1	5.6	1.3			
Decane, 4-methyl	13.0	9.7	1.9			
Decane, 5-methyl*	8.1	5.8	0.9			
Dodecane	2.9	4.5	2.9	1.0	1.3	1.1
Ethane, 1,1,1-trichloro	3.7	2.4				
Ethane, 1,2-dichloro	3.7					
Ethanol	8.6					
Ethanol, 2-butoxy		9.8	6.3	5.0	2.8	1.7
Ethanone, 1-(7-hydroxy-5-methoxy-2,2-dimethyl-2H-1-benzopyran-8-yl)*		2.2	1.9		2.1	1.9
Ethene, methoxy- (9Cl)*	5.2					
Heptane, 3-ethyl-2-methyl	15.8					
Hexanal (Hexaldehyde)	3.5	1.2				
Hexane, 1-(hexyloxy)-5-methyl-*	1.8	1.5				
Hexane, 2,2,4-trimethyl*	0.9					
Limonene (Dipentene; 1-Methyl-4-(1-methylethyl)cyclohexene)			3.4			
Methanol	9.6					
Naphthalene	2.7	2.0	1.4	0.8	0.7	

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
Nonane	21.5	5.1				
Nonane, 2-methyl	17.1	7.8				
Nonane, 2-methyl-5-propyl-*	6.9	5.1	1.0			
Nonane, 3,7-dimethyl*	2.8					
Nonane, 3-methyl	10.7	4.9				
Nonane, 3-methyl-5-propyl-*	19.3					
Nonane, 4-methyl	24.1	6.4				
Octane	3.9					
Octane, 2,3,7-trimethyl (9Cl)*	20.9	16.2				
Octane, 2,3-dimethyl	9.2					
Octane, 2,4,6-trimethyl*		13.6				
Octane, 2,5,6-trimethyl (9Cl)*	13.0	8.3				
Octane, 2-methyl	6.4	2.2				
Octane, 3,5-dimethyl*	7.7					
Octane, 3,6-dimethyl	18.0	6.8				
Octane, 3-methyl	5.4					
Pentanal (Valeraldehyde)	2.0					
Pentane, 2,2,4-trimethyl (Isooctane)	2.4	7.9				
Phenol		4.6	4.5	2.6	1.5	1.8
Propanoic acid, 2-methyl, 2-methylbutyl ester*	1.4	2.9	2.9	1.7		
Styrene	6.7	4.1	3.1	3.1	3.1	2.3
Tetradecane		1.4	1.1		1.3	
Toluene (Methylbenzene)	64.7	18.8				
Tridecane		1.3	0.9			
Undecane	23.6	30.1	12.8	6.0	1.1	
Xylene (para and/or meta)	32.4	14.3				

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
Xylene, ortho	12.9	6.1				

*Indicates best NIST/EPA/NIH library match only.
Individual compounds and TVOC (total volatile organic compounds) are calibrated relative to toluene.
TVOC detection limit: 0.9 µg/m³. Individual detection limits may vary, depending on instrument response.

Cushion B

Environmental Chamber:	SA2
Product Loading:	0.41 m^2/m^3
Test Conditions:	1.00 ACH
	50.0% RH ± 5.0% RH
	23.0 degs C ± 2.0 degs C
Test Period:	06/22/95 - 06/26/95

CHAMBER TVOC CONCENTRATIONS FROM 0.000 TO 96.000 HOURS

ELAPSED EXPOSURE HOUR	TVOC CONCENTRATION ($\mu g/m^3$)
0.000	0.0
1.000	192.1
6.000	51.5
24.000	14.7
48.000	31.6
72.000	27.7
96.000	55.0

IVOC CONCENTRATIONS ($\mu g/m^3$) FROM 0.000 TO 96.000 HOURS

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
1-Butanol (N-Butyl alcohol)	32.3	18.1				
1-Dodecyne	1.2					
1-Propanol (Propyl alcohol)	19.9					
2,4,6-Octatriene, 2,6-dimethyl-*						0.8
2,6-Di-tert-butyl-4-methylphenol (BHT)				2.7	3.7	11.9
2-Pentanone, 4-hydroxy-4-methyl-(8CI9CI)*	1.4	0.9				
2-Pentanone, 4-methyl (Methyl isobutyl ketone, MIBK)	0.9					

COMPOUND IDENTIFIED	1.0	6.0	24.0	48.0	72.0	96.0
2-Propanol (Isopropanol)	6.9					
5-Exo-ethynyl-5-endo-norbornenol*	1.9		1.0			
Acetamide, N,N-dimethyl- (8Cl9Cl)		2.0	2.8		1.4	
Acetate, butyl	2.2					
Acetone (2-Propanone)	10.9	2.6		1.1		
Benzene, ethyl	1.7					
Benzene, propyl*	1.3					
Camphene	5.1	2.6		2.9	2.5	3.3
Cyclohexane, 1,1,2-trimethyl	1.2					
Cyclohexane, 1,2,3-trimethyl	1.2					
Cyclohexane, 1-ethyl-2-methyl-, trans-*	2.9					
Cyclohexane, butyl		1.3				
Cyclohexane, c-1-ethyl-4-methyl*	2.3					
Cyclohexane, c-1-methyl-4-isopropyl	9.4	2.8	4.1			
Cyclohexane, isopropyl	3.2					
Cyclohexane, propyl	4.3	1.3				
Cyclopentane, (2-methylbutyl)-*	1.2					
Decane			1.3			
Ethane, 1,1,1-trichloro	2.8					
Ethanol	39.5					
Heptane, 2,2,6,6-tetramethyl		1.2				
Heptane, 3-ethyl-2-methyl		1.2				
Hexanal (Hexaldehyde)	1.7					
Isobornyl acetate*		4.2		18.6	15.9	30.9
Limonene (Dipentene; 1-Methyl-4-(1-methylethyl)cyclohexene)		2.2				
Methanol	4.8					
Nonane		3.4				