

**PALOS VERDES LANDFILL
REMEDIAL INVESTIGATION REPORT**

APPENDIX A.3.8

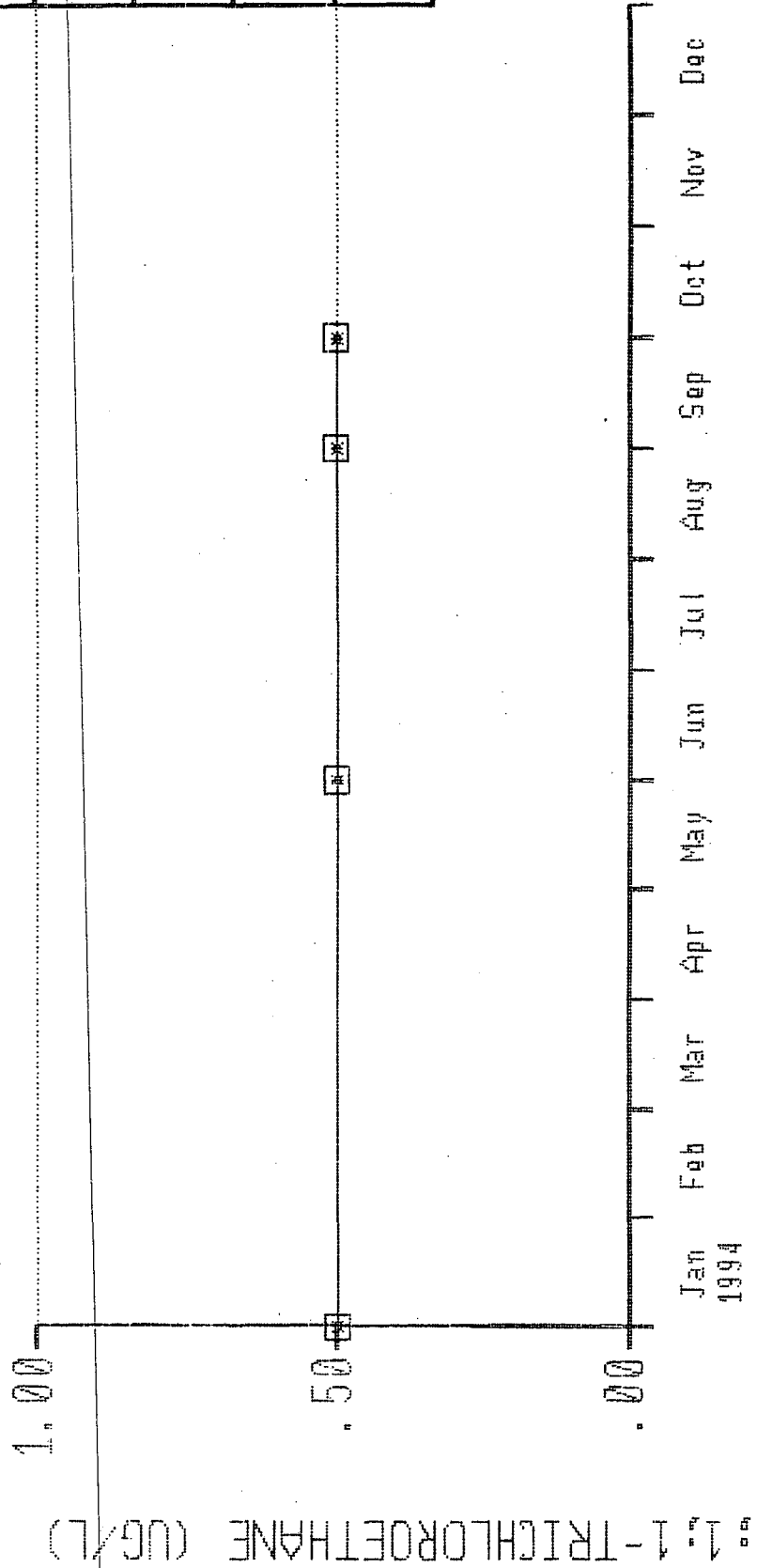
**TIME SERIES GRAPHS OF VOLATILE
ORGANIC COMPOUND CONCENTRATIONS
IN GROUND WATER**

FIGURE 1-D

PALOS VERDES LANDFILL

1,1,1-TRICHLOROETHANE

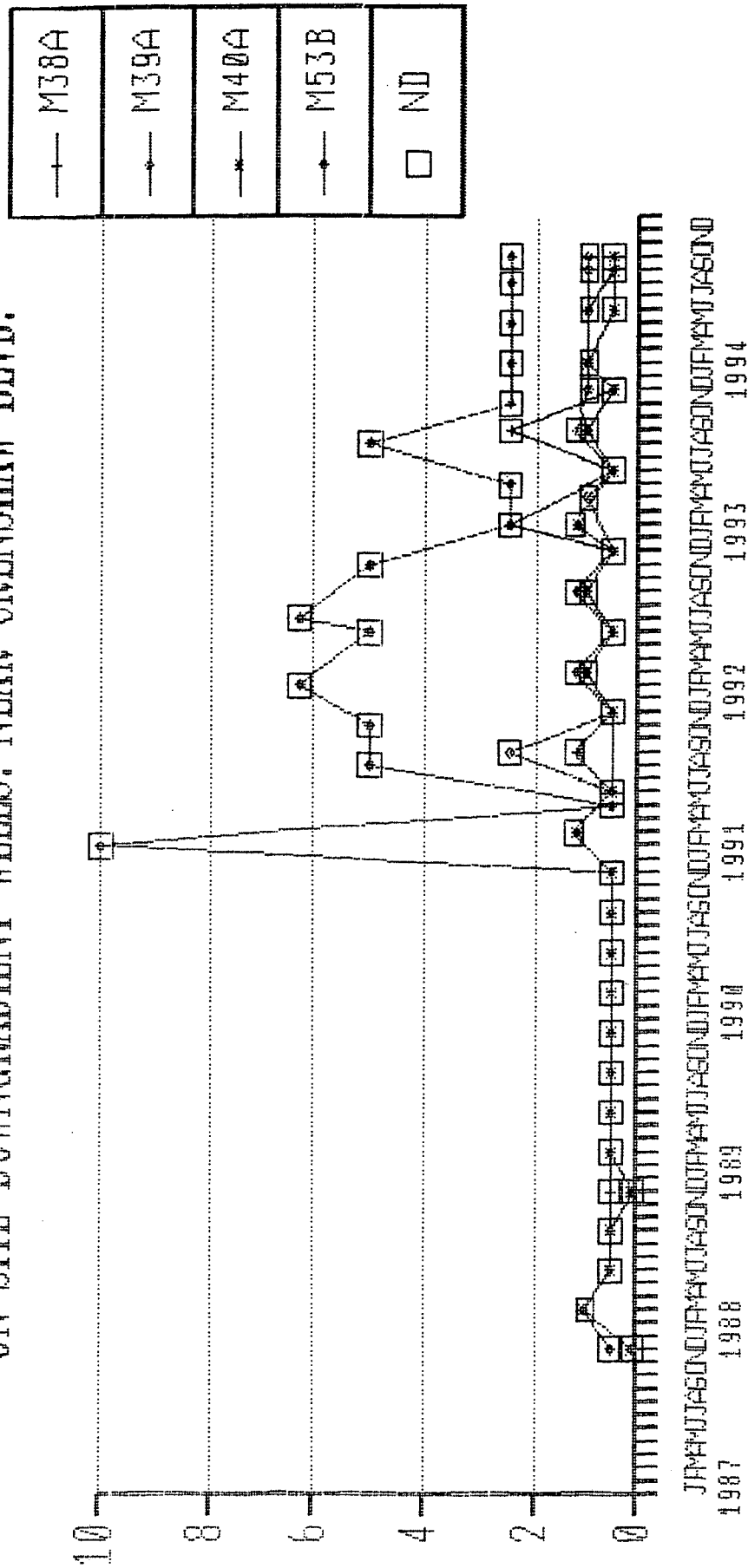
OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



1,1,1-TRICHLOROETHANE (UG/L)

FIGURE 1-E
 PALOS VERDES LANDFILL
 1,1,1-TRICHLOROETHANE

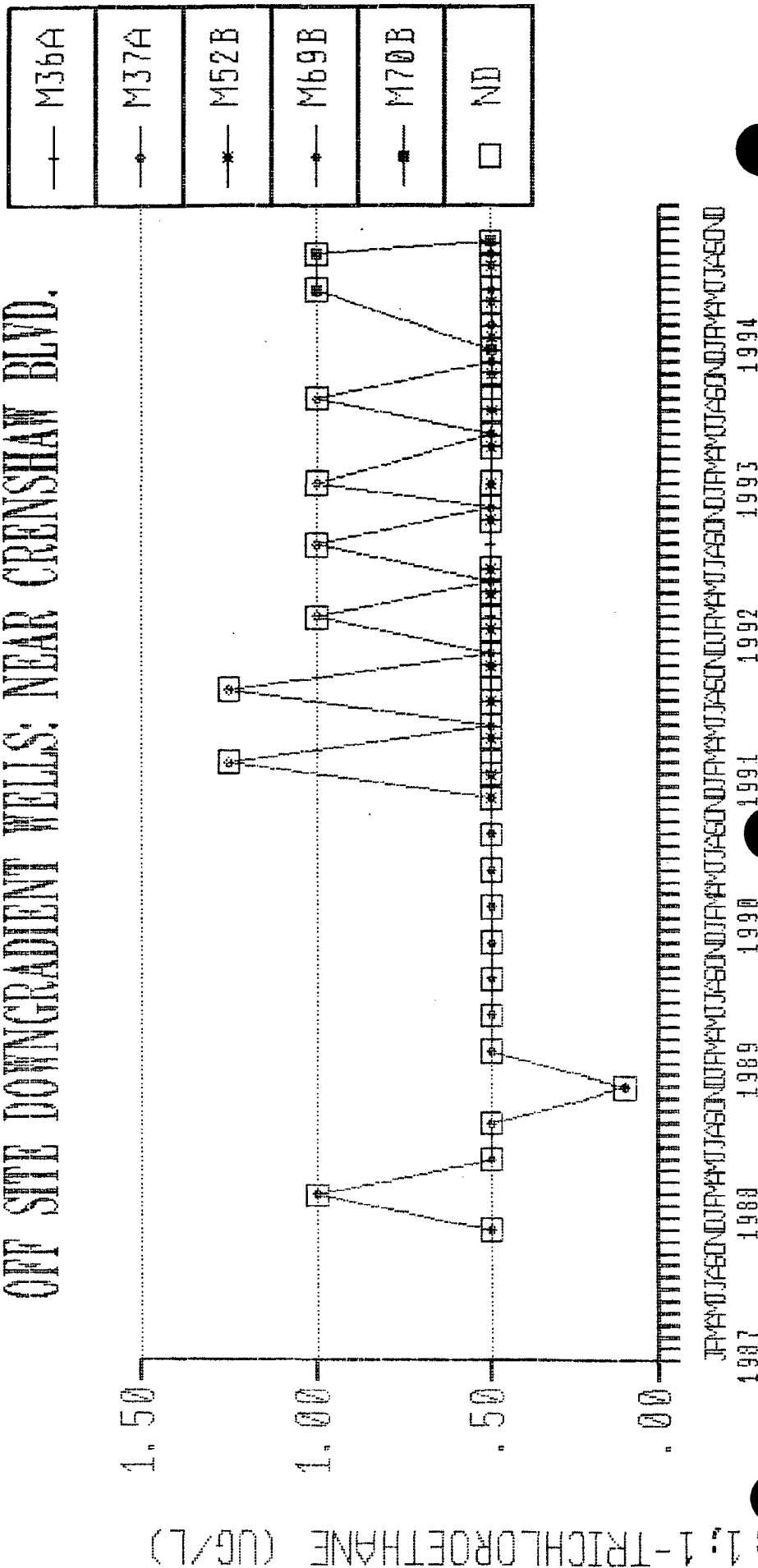
ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1,1,1-TRICHLOROETHANE (UG/L)

1987 1988 1989 1990 1991 1992 1993 1994
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FIGURE 1-F
 PALOS VERDES LANDFILL
 1,1,1-TRICHLOROETHANE
 OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1,1,1-TRICHLOROETHANE (UG/L)

FIGURE 1-G
 PALOS VERDES LANDFILL
 1,1,1-TRICHLOROETHANE
 ON SITE WELLS: NEAR CRENSHAW BLVD.

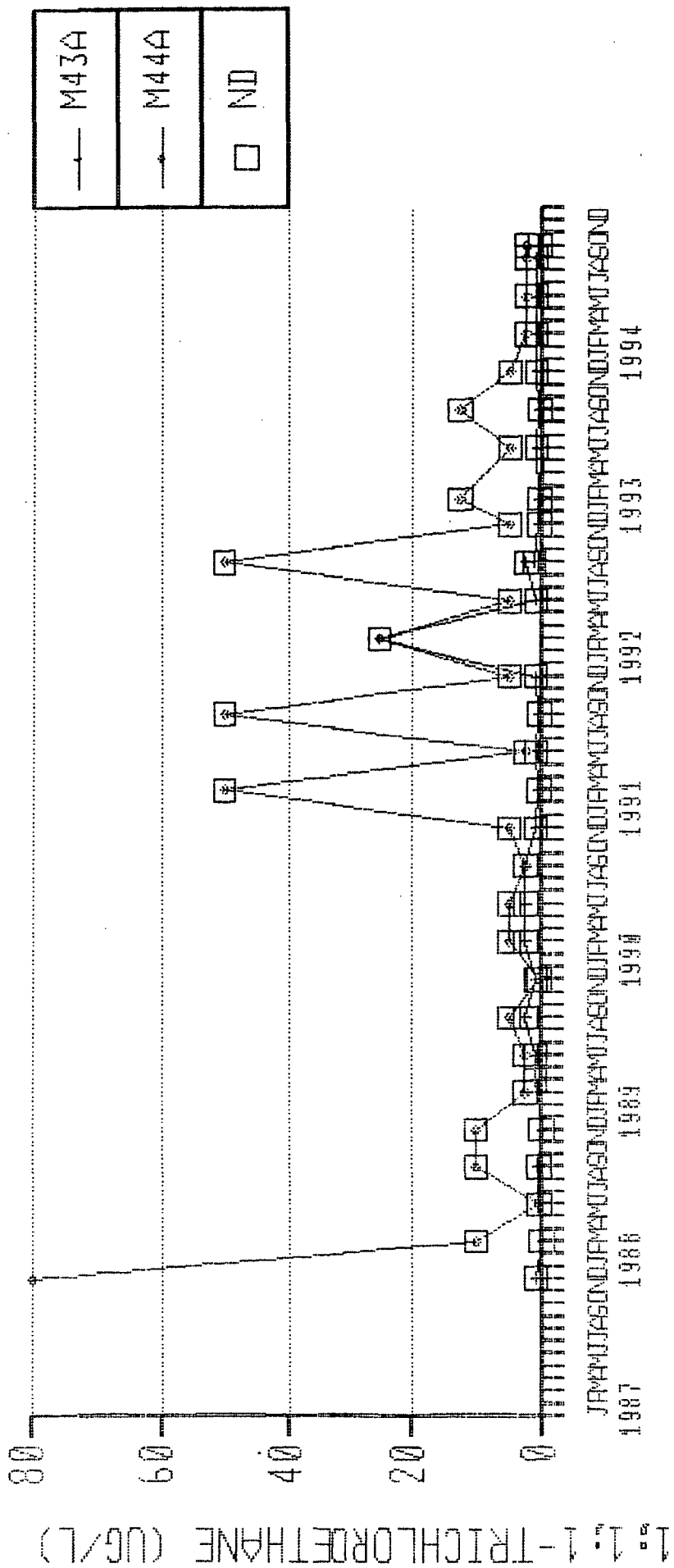
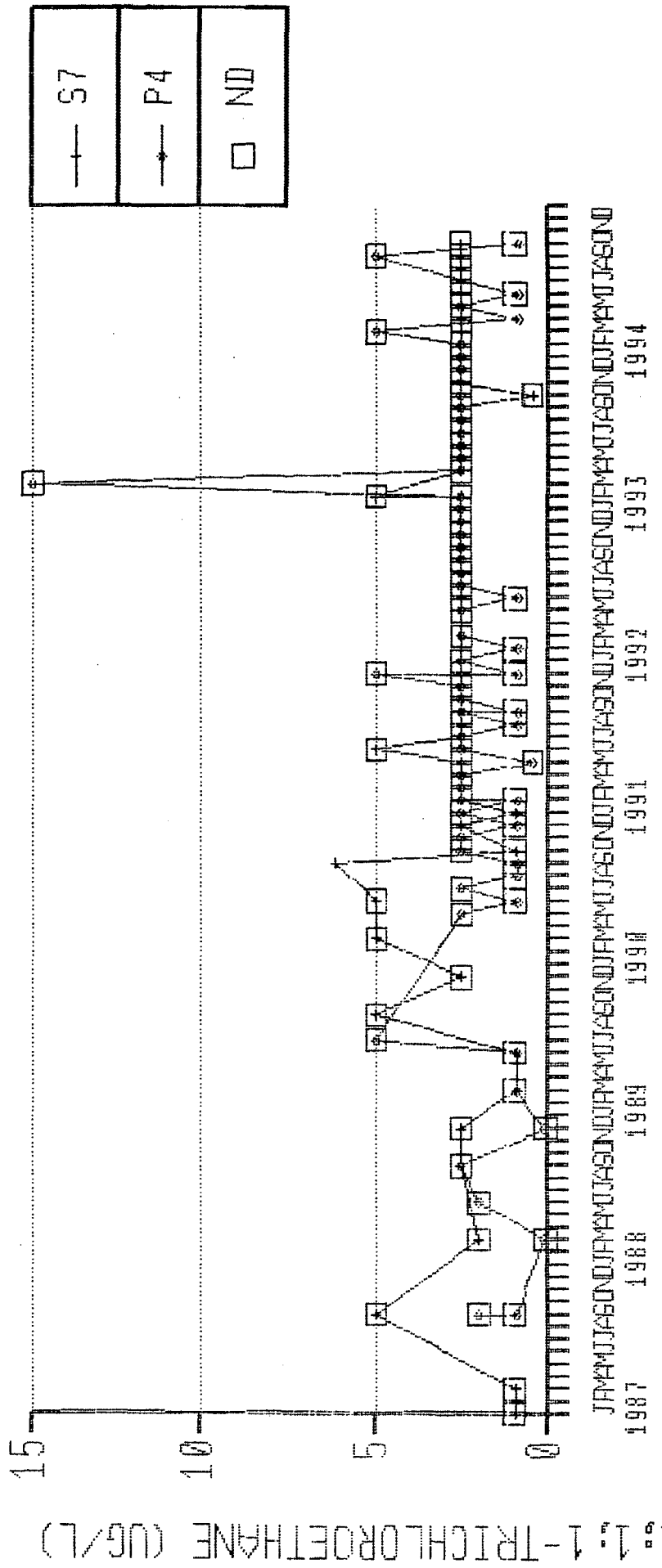


FIGURE 1 -H
 PALOS VERDES LANDFILL
 1,1,1-TRICHLOROETHANE
 SUMP 7 AND PARCEL 4 SUMP



1,1,1-TRICHLOROETHANE (UG/L)

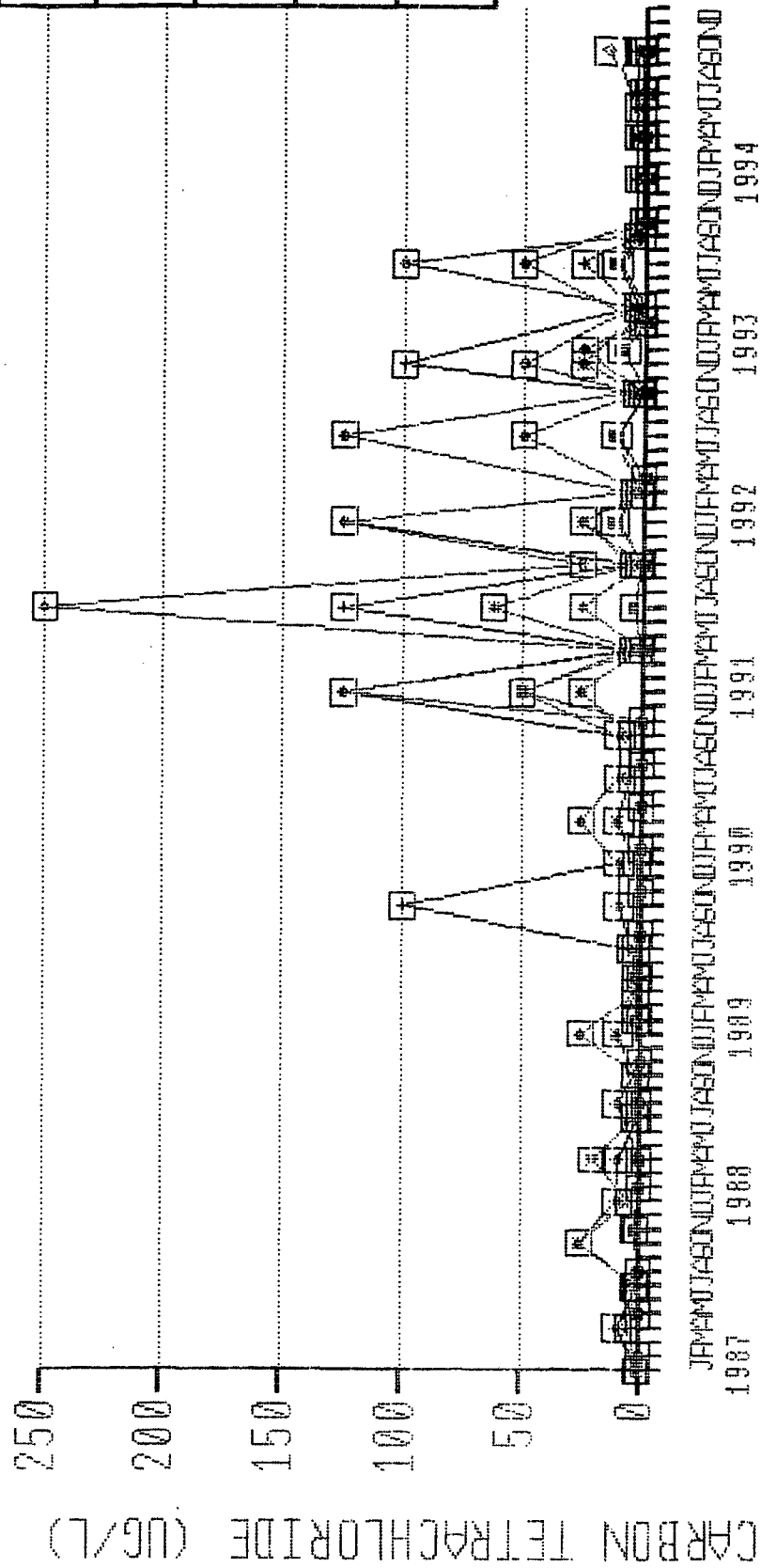
JANUARY 1987
 JANUARY 1988
 JANUARY 1989
 JANUARY 1990
 JANUARY 1991
 JANUARY 1992
 JANUARY 1993
 JANUARY 1994

—+—	S7
—◇—	P4
□	ND

FIGURE 2-A
 PALOS VERDES LANDFILL
 CARBON TETRACHLORIDE

ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

+	M06A
●	M06B
*	M07A
◆	P4-6
■	P410
□	ND



1987 1988 1989 1990 1991 1992 1993 1994

CARBON TETRACHLORIDE (UG/L)

FIGURE 2-B

PVLT

CARBON TETRACHLORIDE

OFF SITE DWINGRONT WELLS: HATTHORNE BLVD.

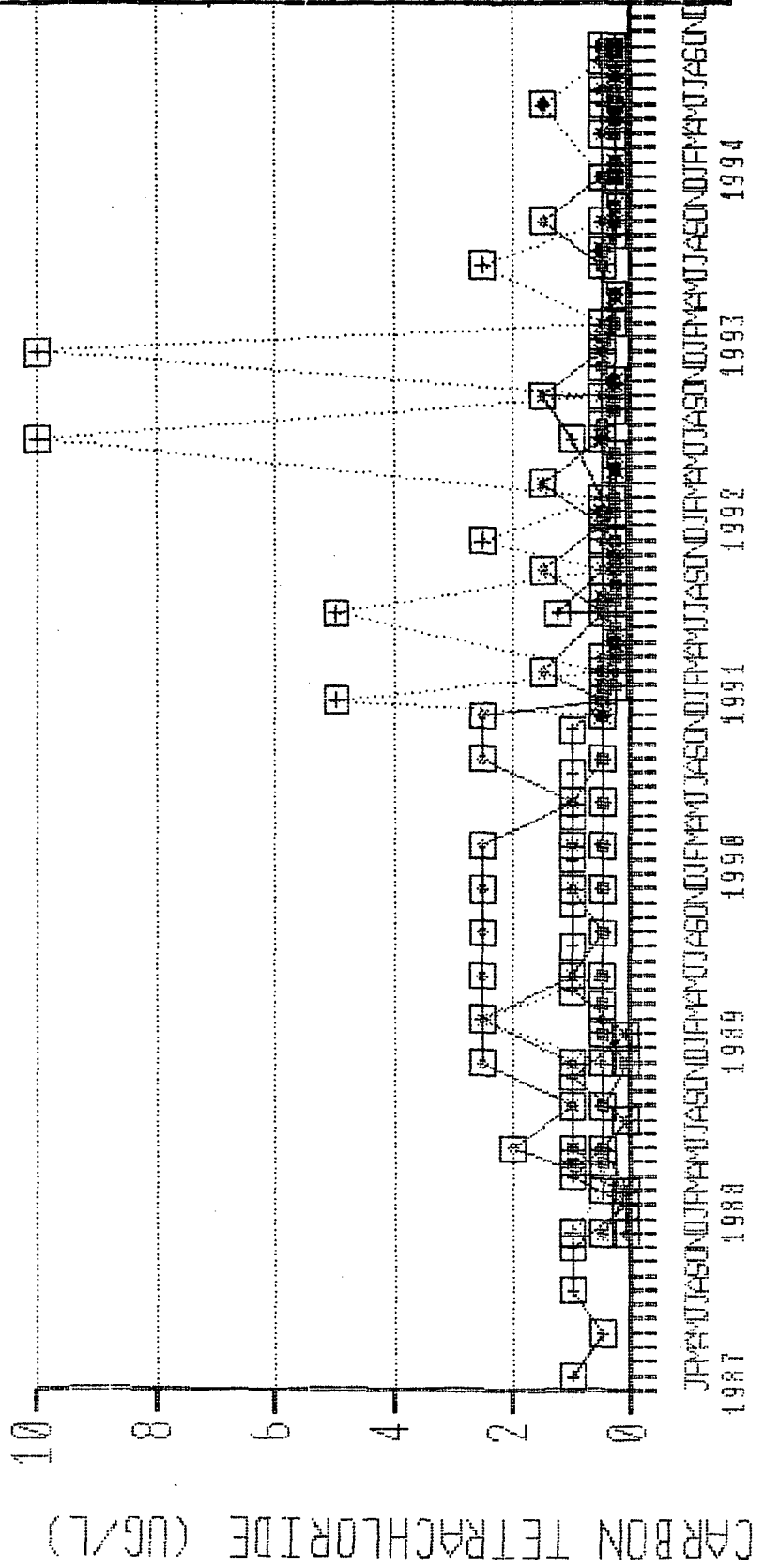
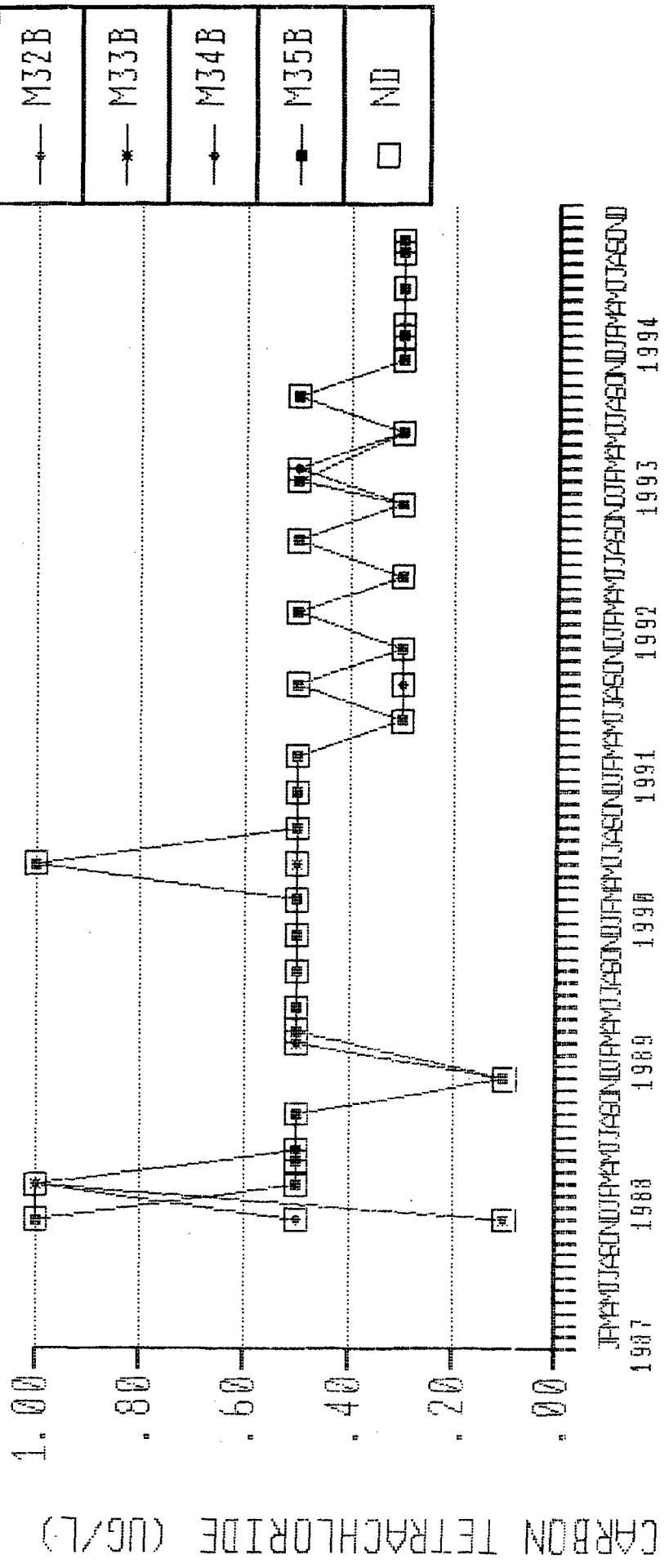


FIGURE 2-C
PALOS VERDES LANDFILL
CARBON TETRACHLORIDE
ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



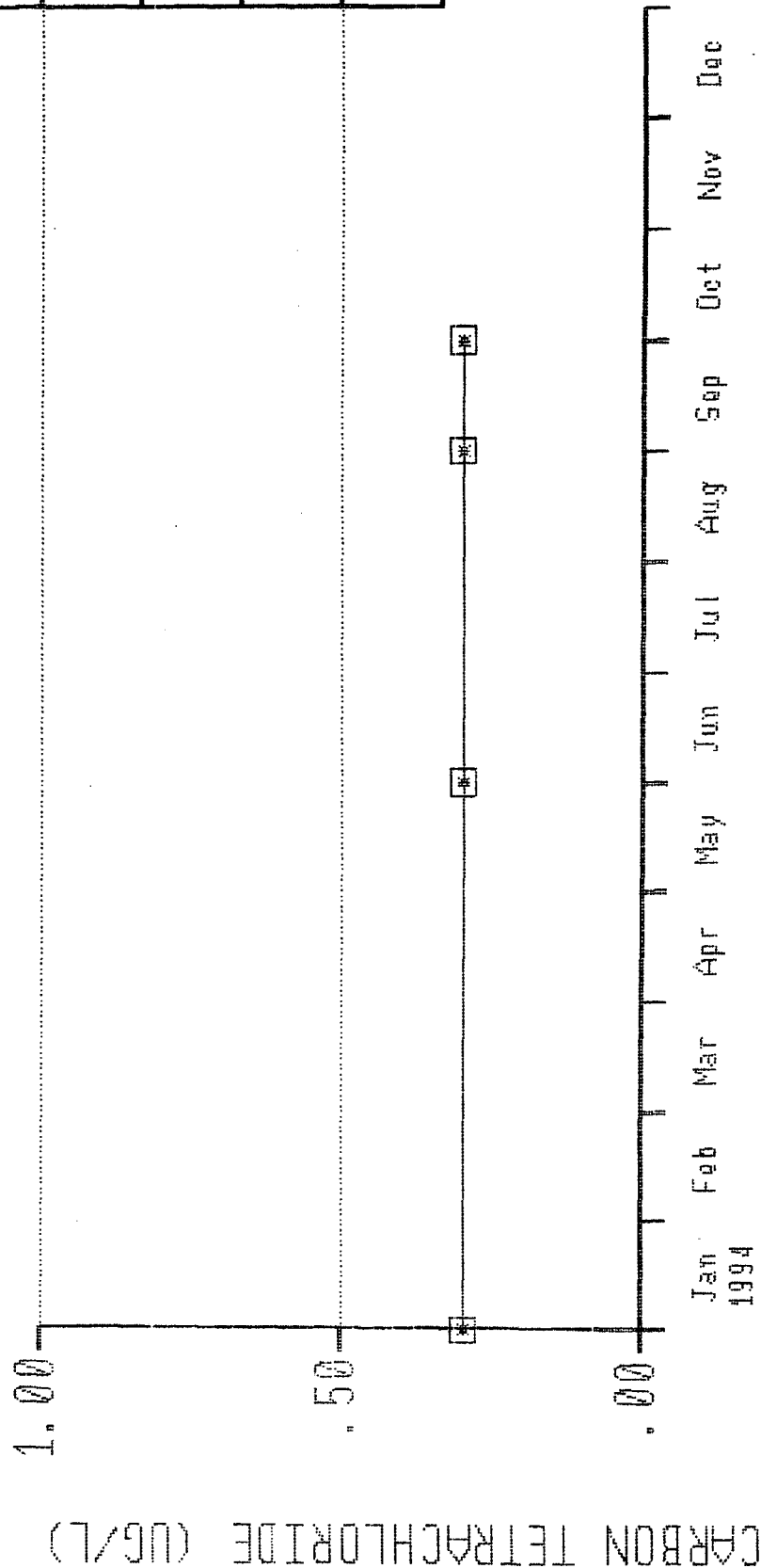
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 1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 2-D

PALOS VERDES LANDFILL

CARBON TETRACHLORIDE

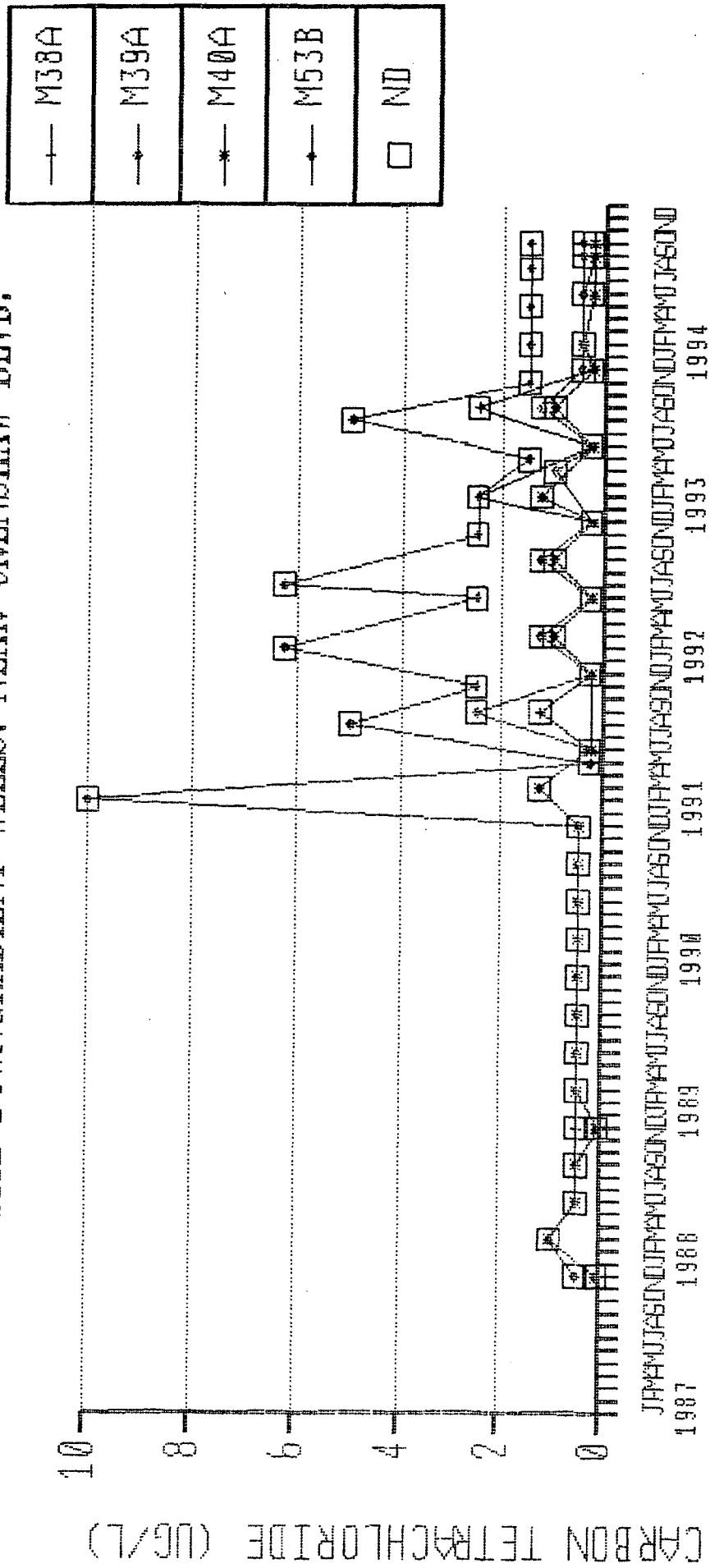
OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



CARBON TETRACHLORIDE (UG/L)

FIGURE 2-E
 PALOS VERDES LANDFILL
 CARBON TETRACHLORIDE

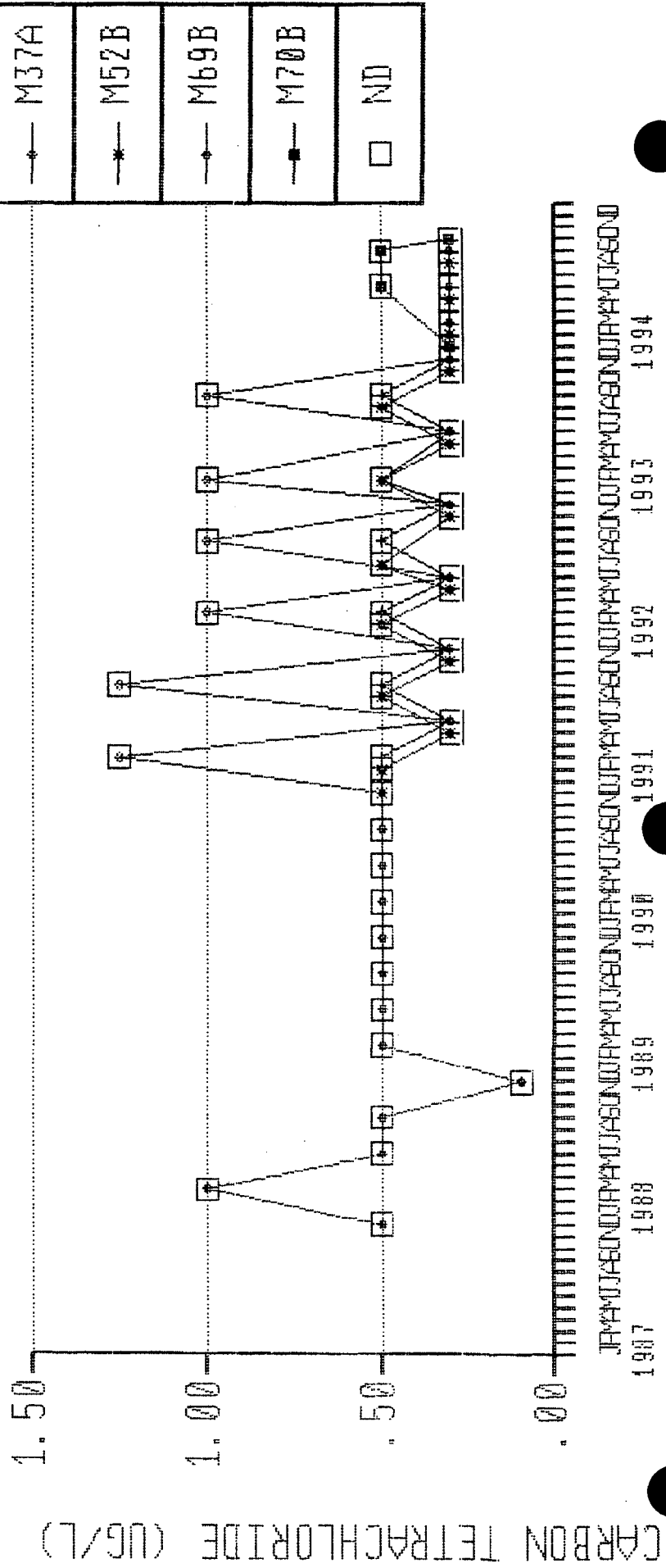
ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



CARBON TETRACHLORIDE (UG/L)

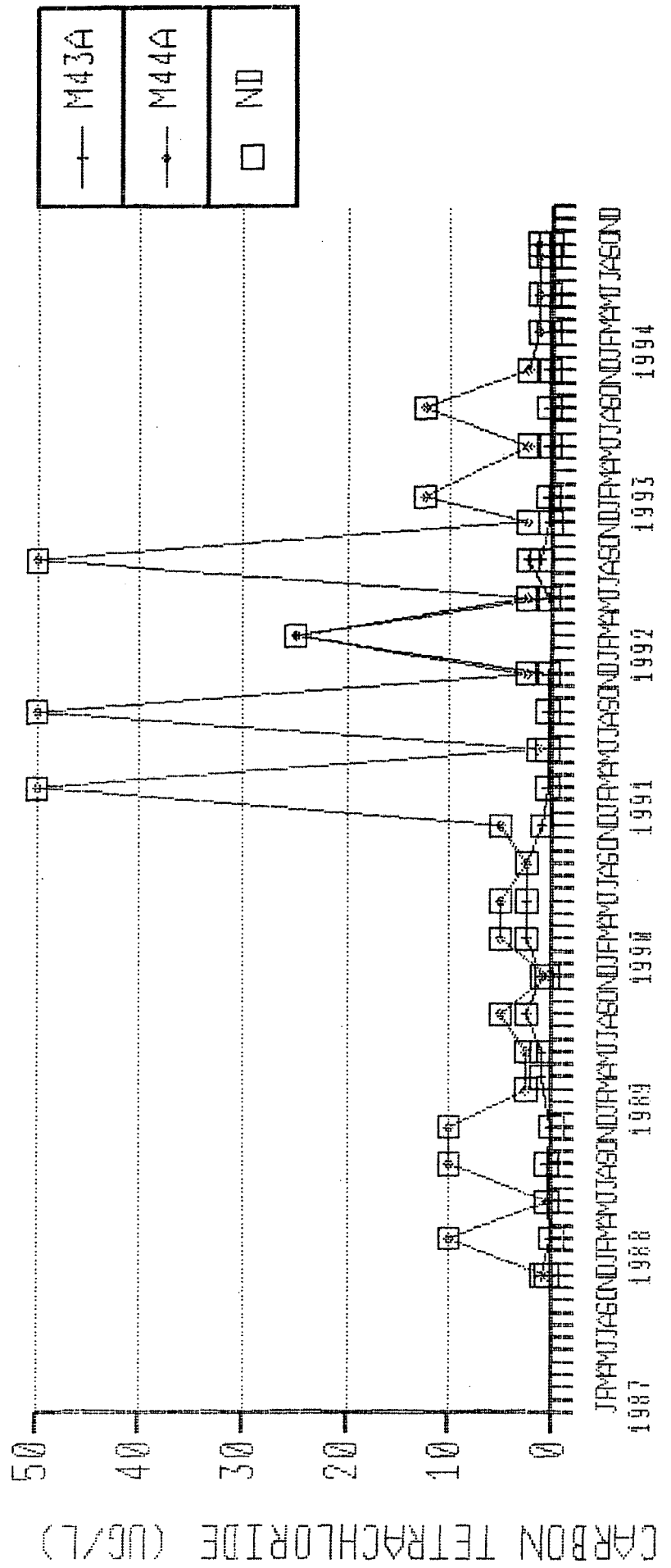
FIGURE 2-F
 PALOS VERDES LANDFILL
 CARBON TETRACHLORIDE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 2-G
PALOS VERDES LANDFILL
CARBON TETRACHLORIDE
ON SITE WELLS: NEAR CRENSHAW BLVD.



CARBON TETRACHLORIDE (UG/L)

FIGURE 2-11
 PALOS VERDES LANDFILL
 CARBON TETRACHLORIDE
 SUMP 7 AND PARCEL 4 SUMP

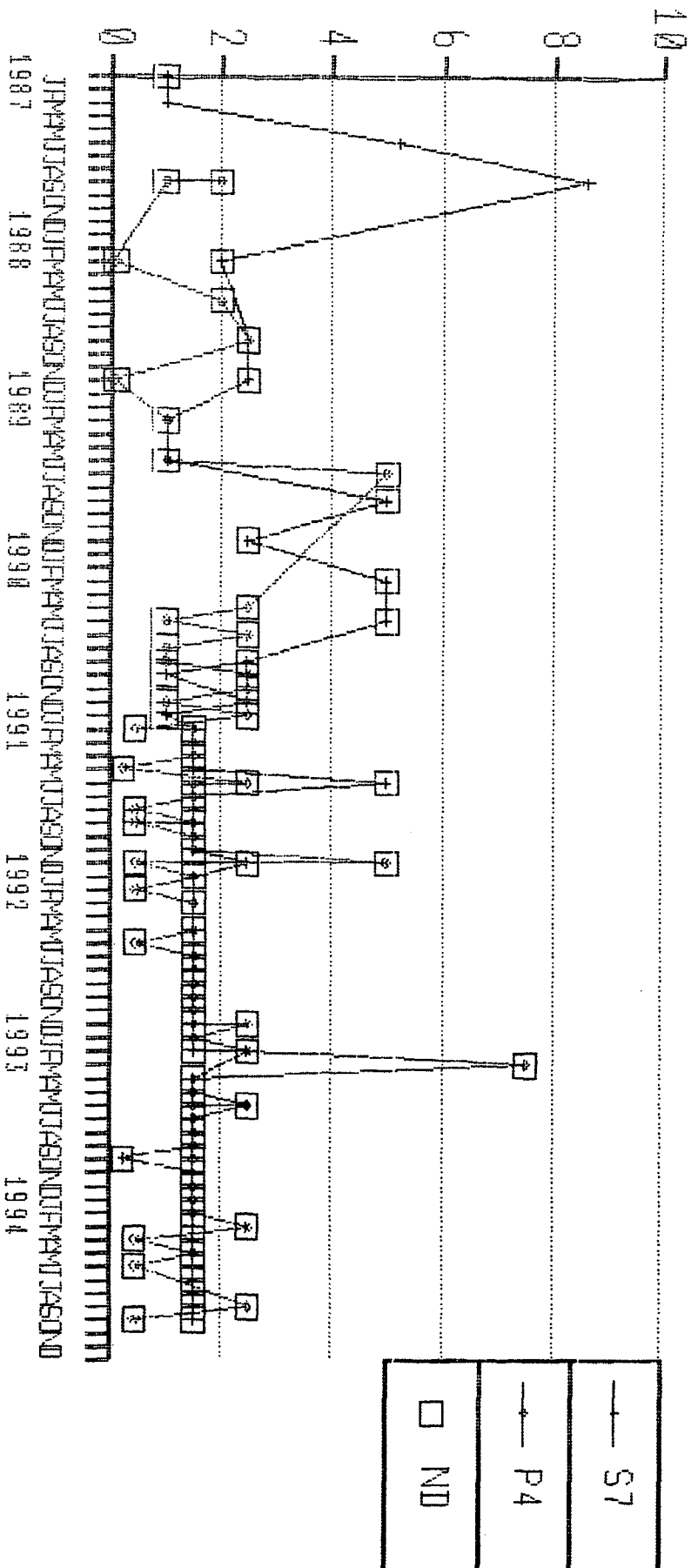
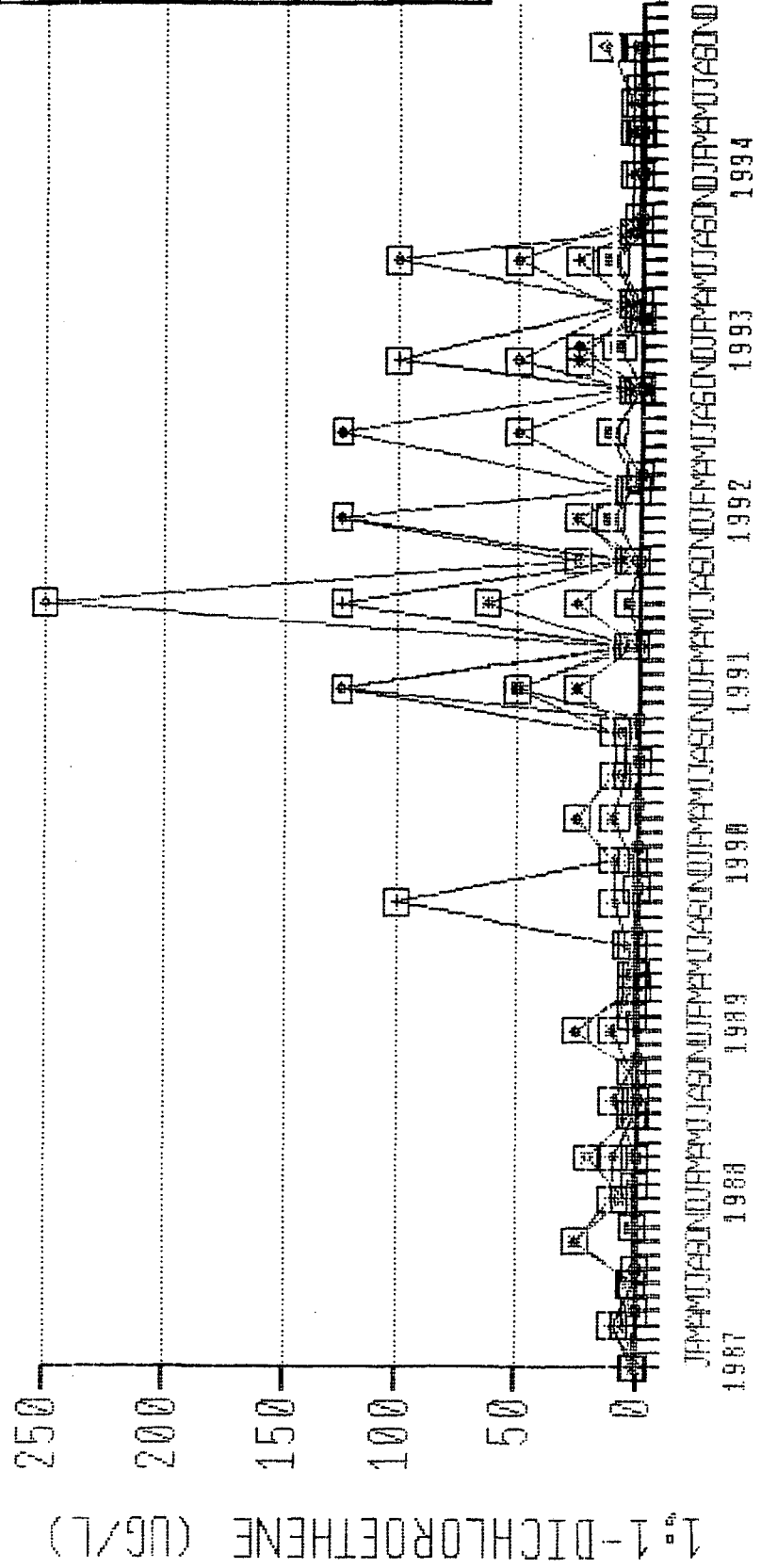


FIGURE 3-A
 PALOS VERDES LANDFILL

1,1-DICHLOROETHENE

ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

—	M06A
—	M06B
—	M07A
—	P4-b
—	P410
□	ND



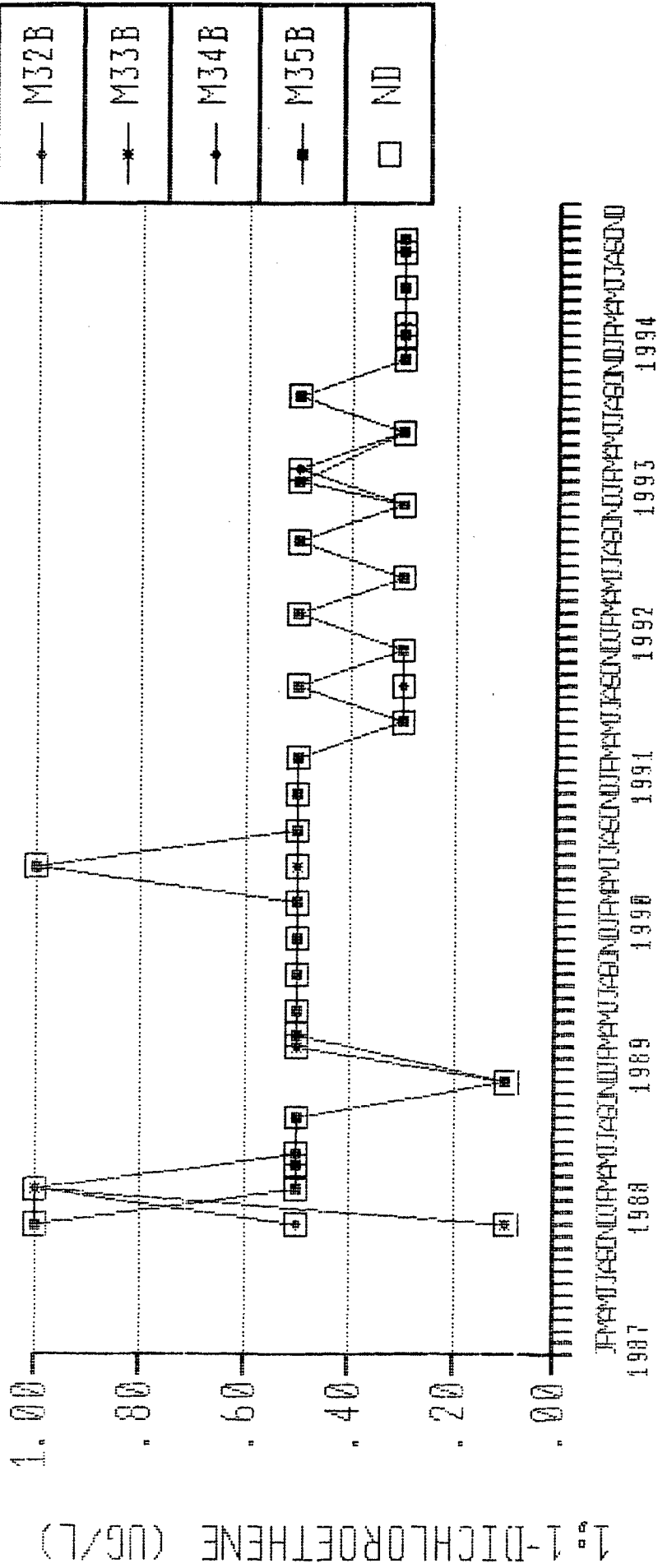
1,1-DICHLOROETHENE (UG/L)

FIGURE 3-C

PALOS VERDES LANDFILL

1,1-DICHLOROETHENE

ON SITE DOWNGRADIENT WELLS; NORTHEAST BOUNDARY



1,1-DICHLOROETHENE (UG/L)

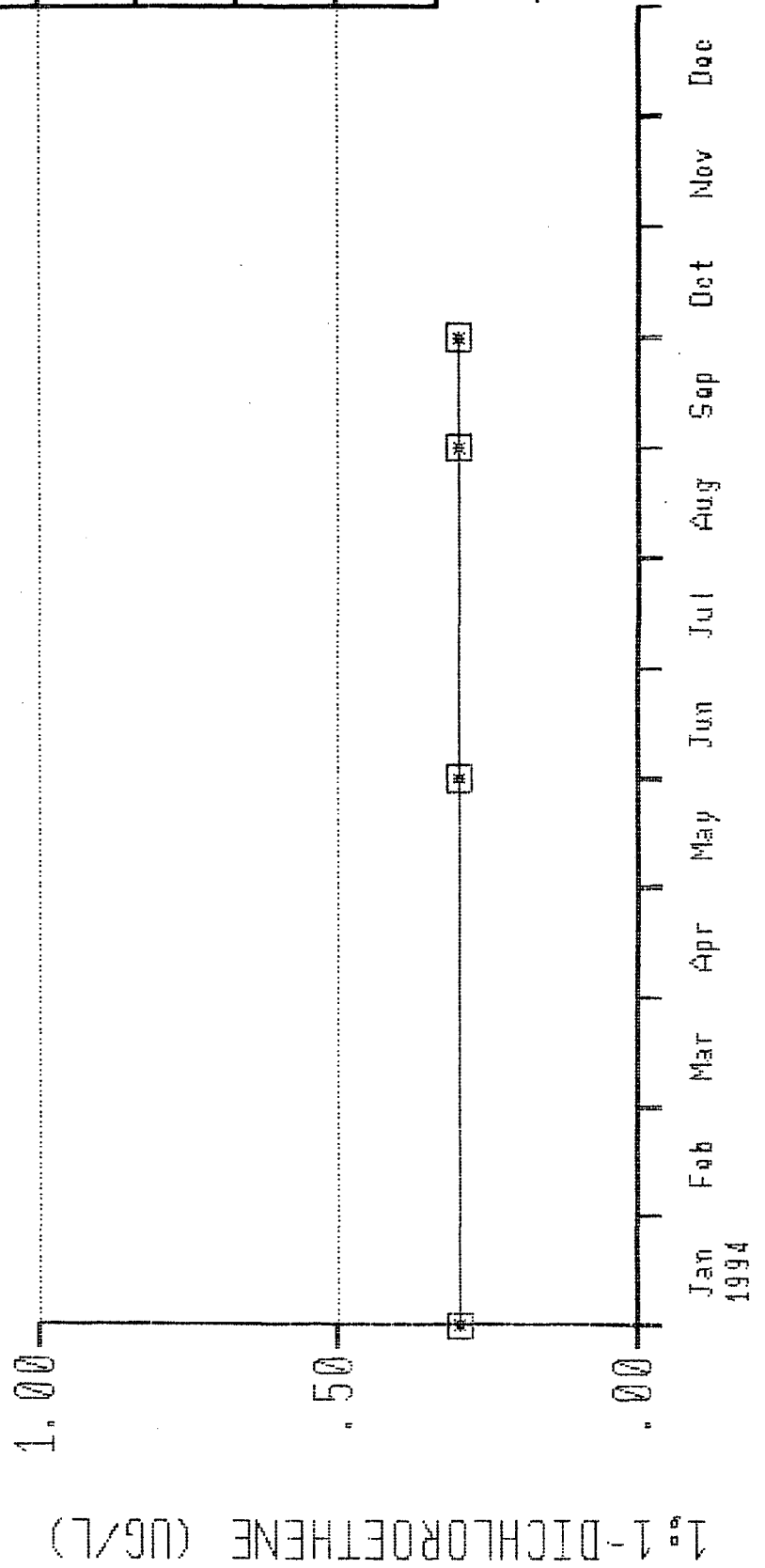
1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 3-D

PALOS VERDES LANDFILL

1,1-DICHLOROETHENE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

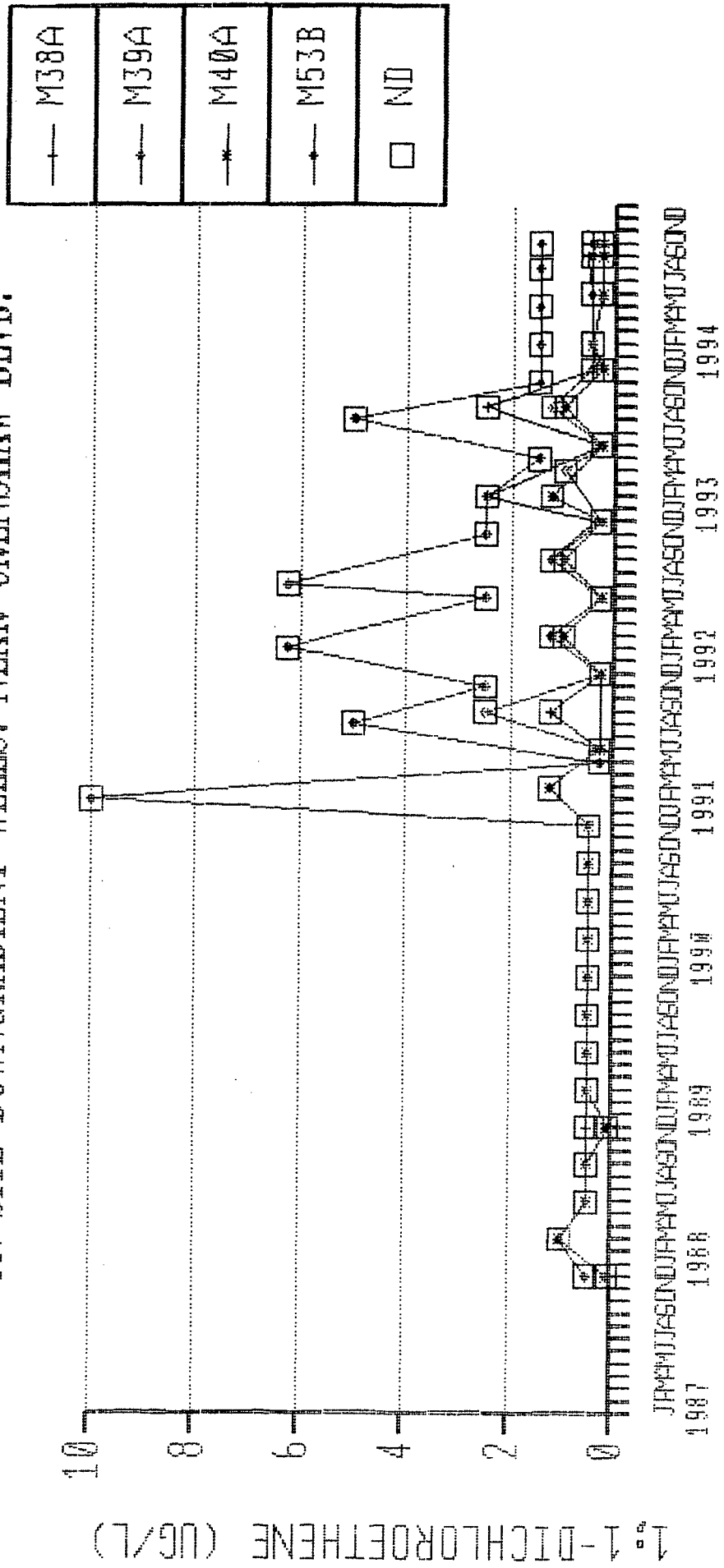


1,1-DICHLOROETHENE (UG/L)

FIGURE 3-E
 PALOS VERDES LANDFILL

1,1-DICHLOROETHENE

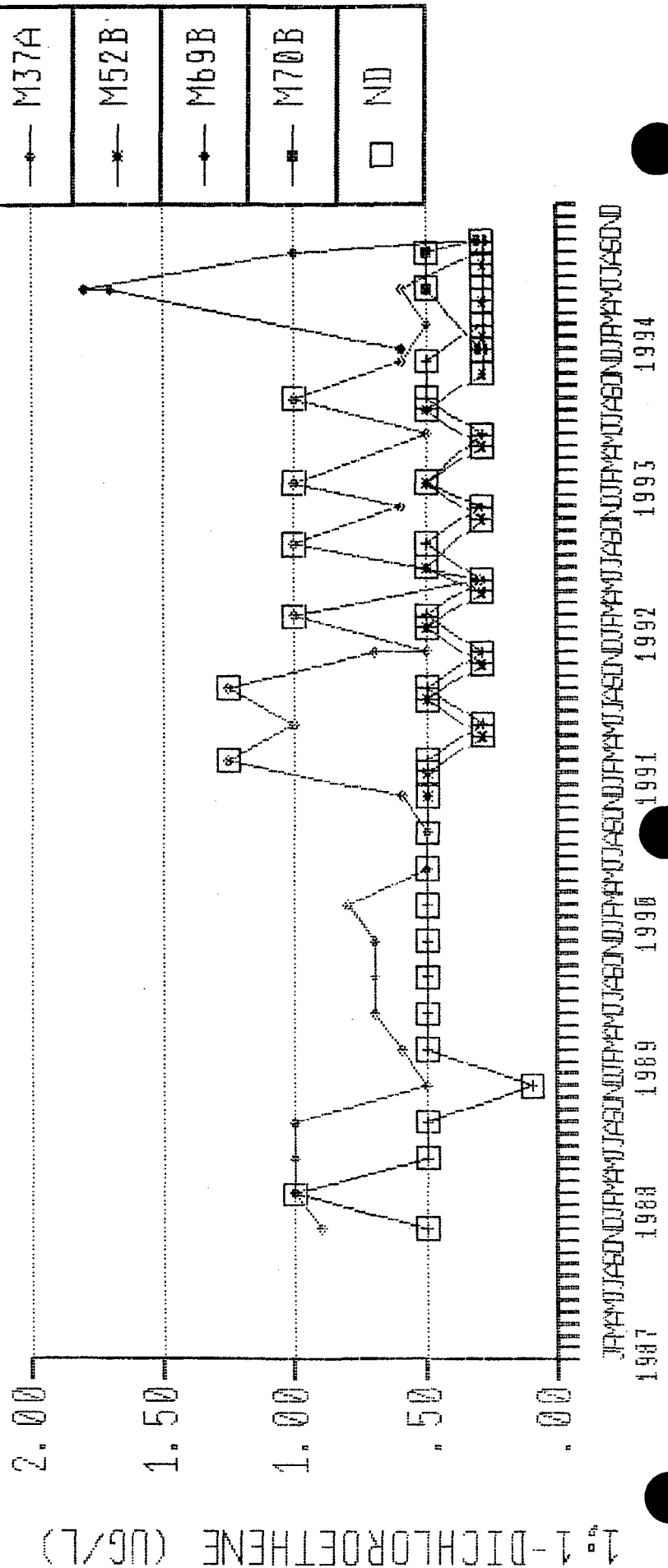
ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1,1-DICHLOROETHENE (UG/L)

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 1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 3-F
PALOS VERDES LANDFILL
1,1-DICHLOROETHENE
OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1,1-DICHLOROETHENE (UG/L)
 1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 3-G
PALOS VERDES LANDFILL
1,1-DICHLOROETHENE
ON SITE WELLS: NEAR CRENSHAW BLVD.

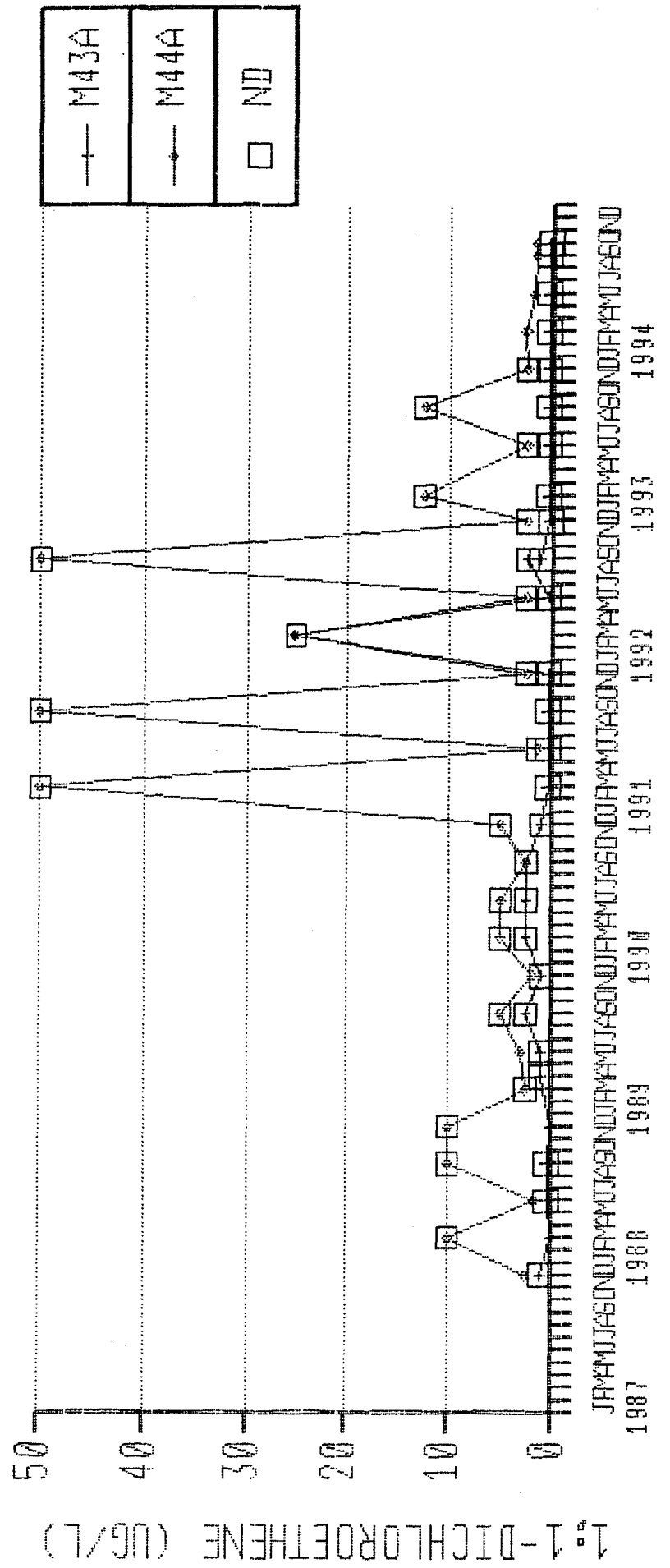


FIGURE 3-A
PALOS VERDES LANDFILL
1,1-DICHLOROETHENE
SUMP 7 AND PARCEL 4 SUMP

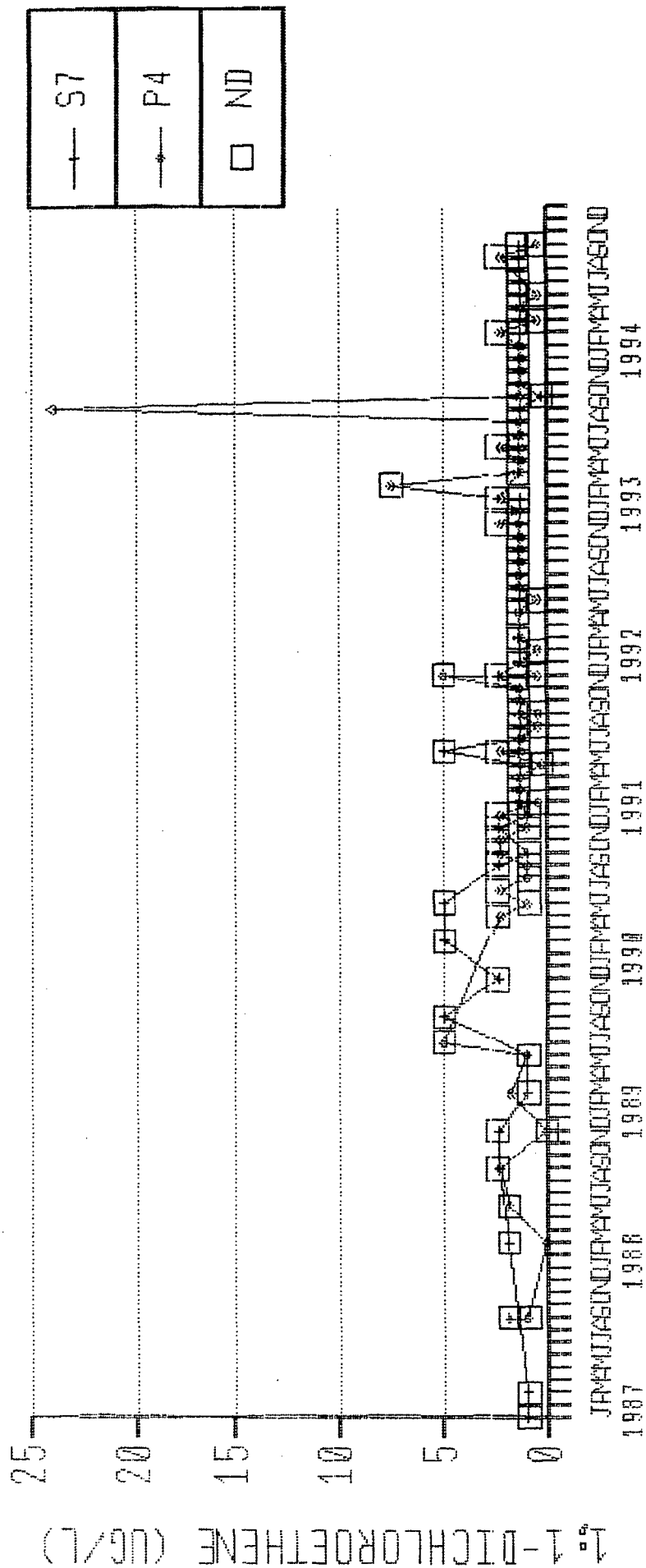
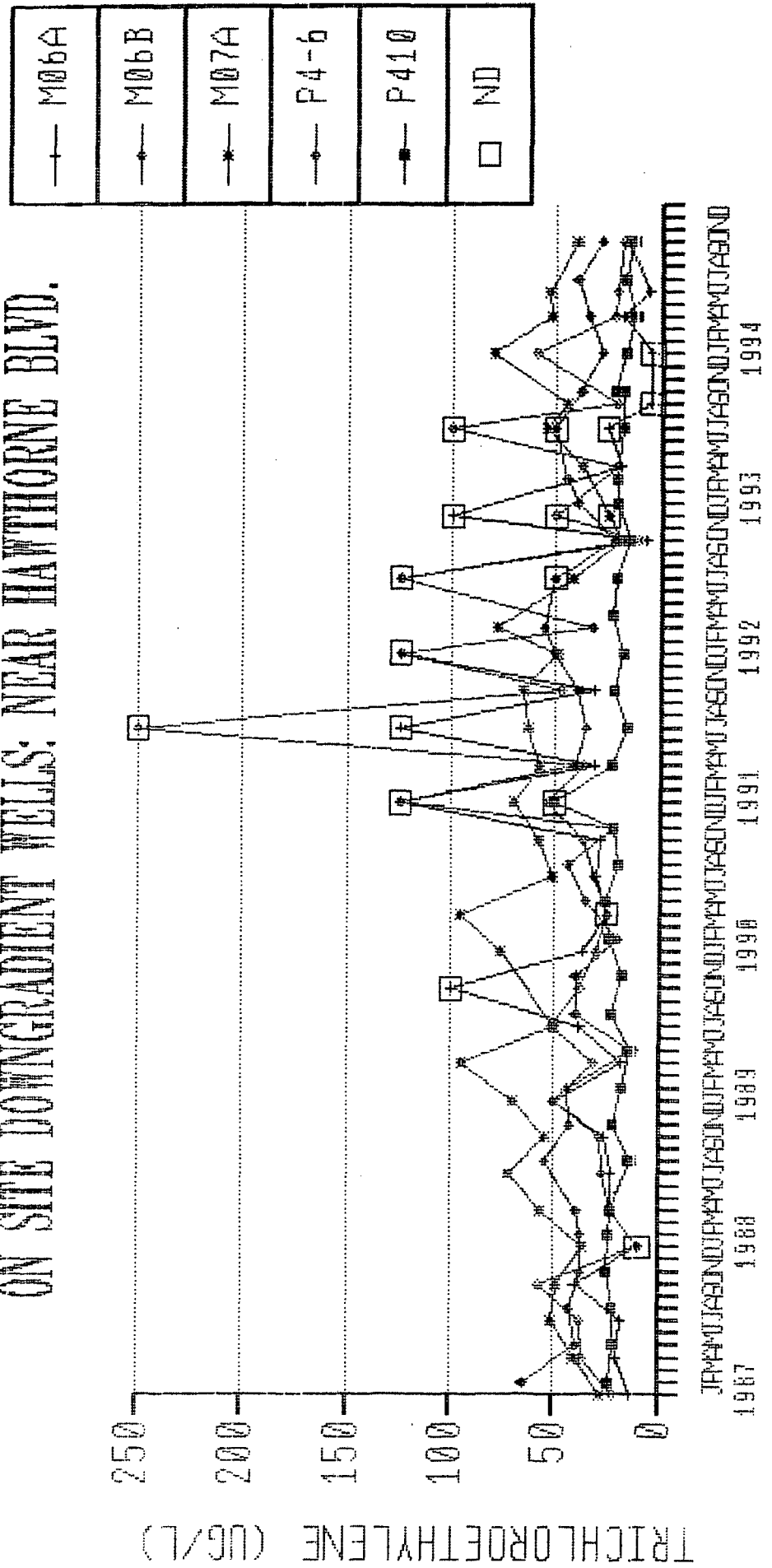


FIGURE 4-A
 PALOS VERDES LANDFILL
 TRICHLOROETHYLENE

ON SITE DOWNGRADIENT WELLS: NEAR HAYTHORNE BLVD.



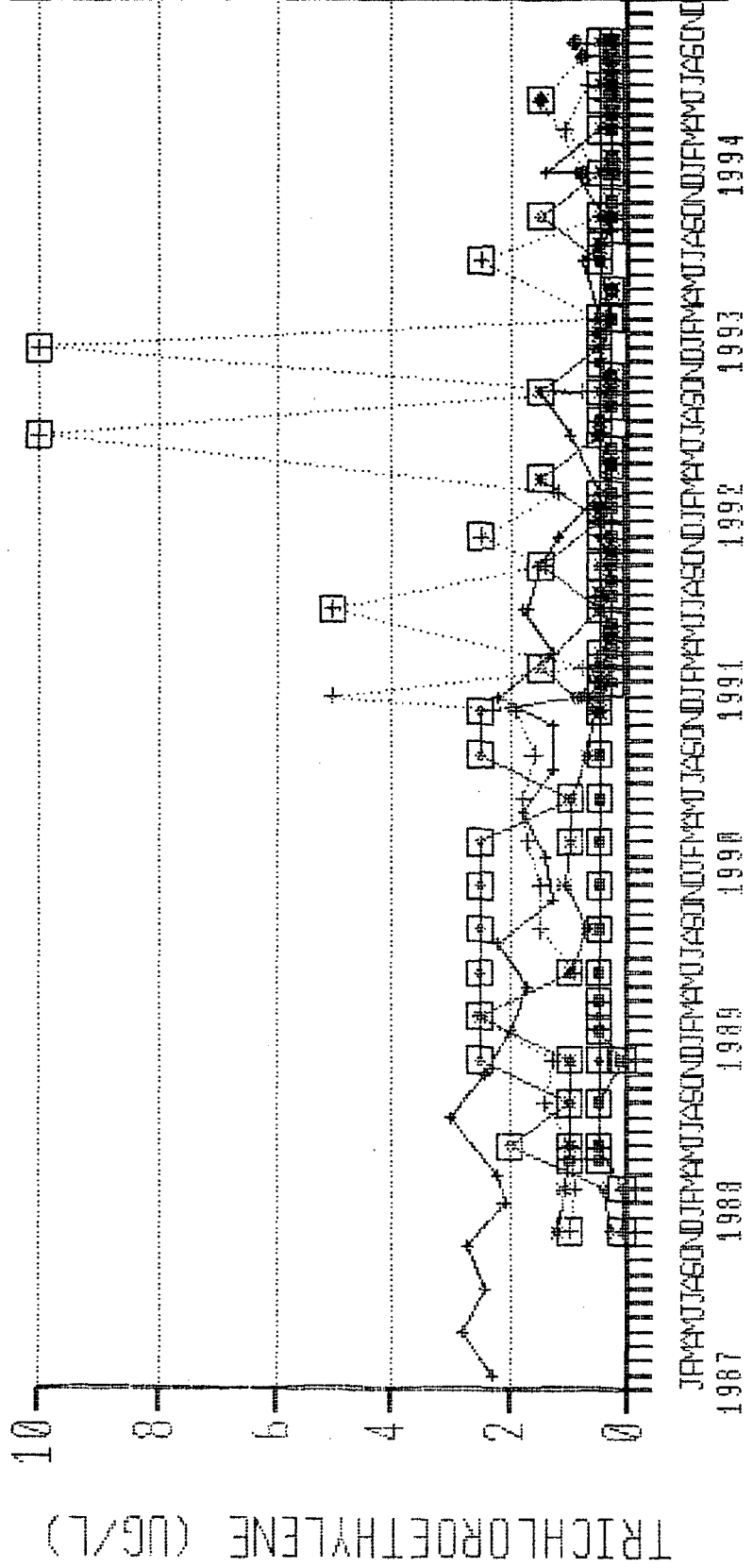
JANUARY 1987 JANUARY 1988 JANUARY 1989 JANUARY 1990 JANUARY 1991 JANUARY 1992 JANUARY 1993 JANUARY 1994

FIGURE 4-B

PVLF

TRICHLOROETHYLENE

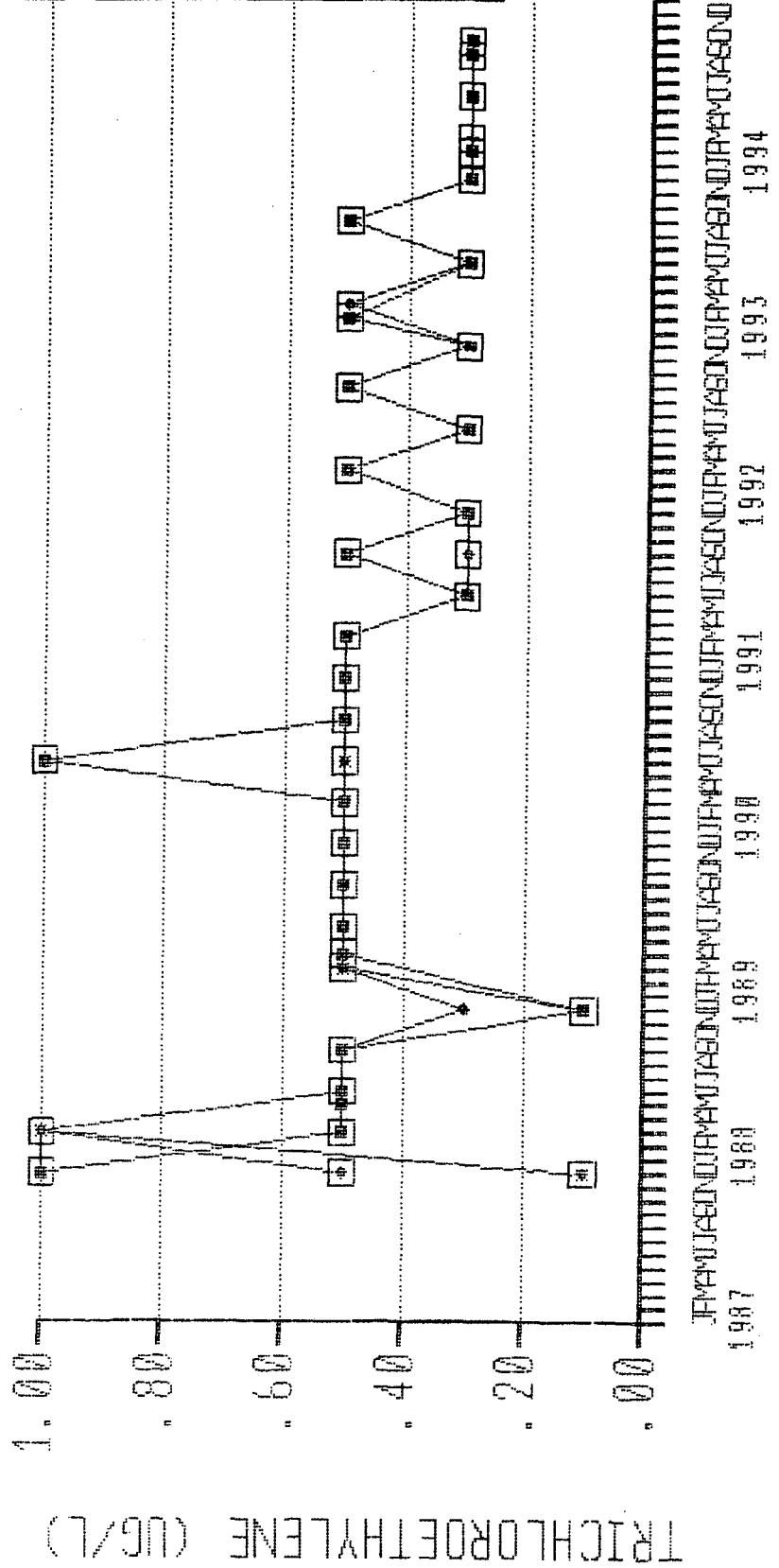
OFF SITE DWGRDNT WELLS: HAWTHORNE BLVD.



—+—	PV3
—+—	M23A
—*—	M24A
—+—	M25A
—■—	M26A
—+—	M49A
—◆—	M50B
—*—	M51B
—◆—	M63B
—■—	M64B
□	ND

FIGURE 4-C
PALOS VERDES LANDFILL
TRICHLOROETHYLENE
ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

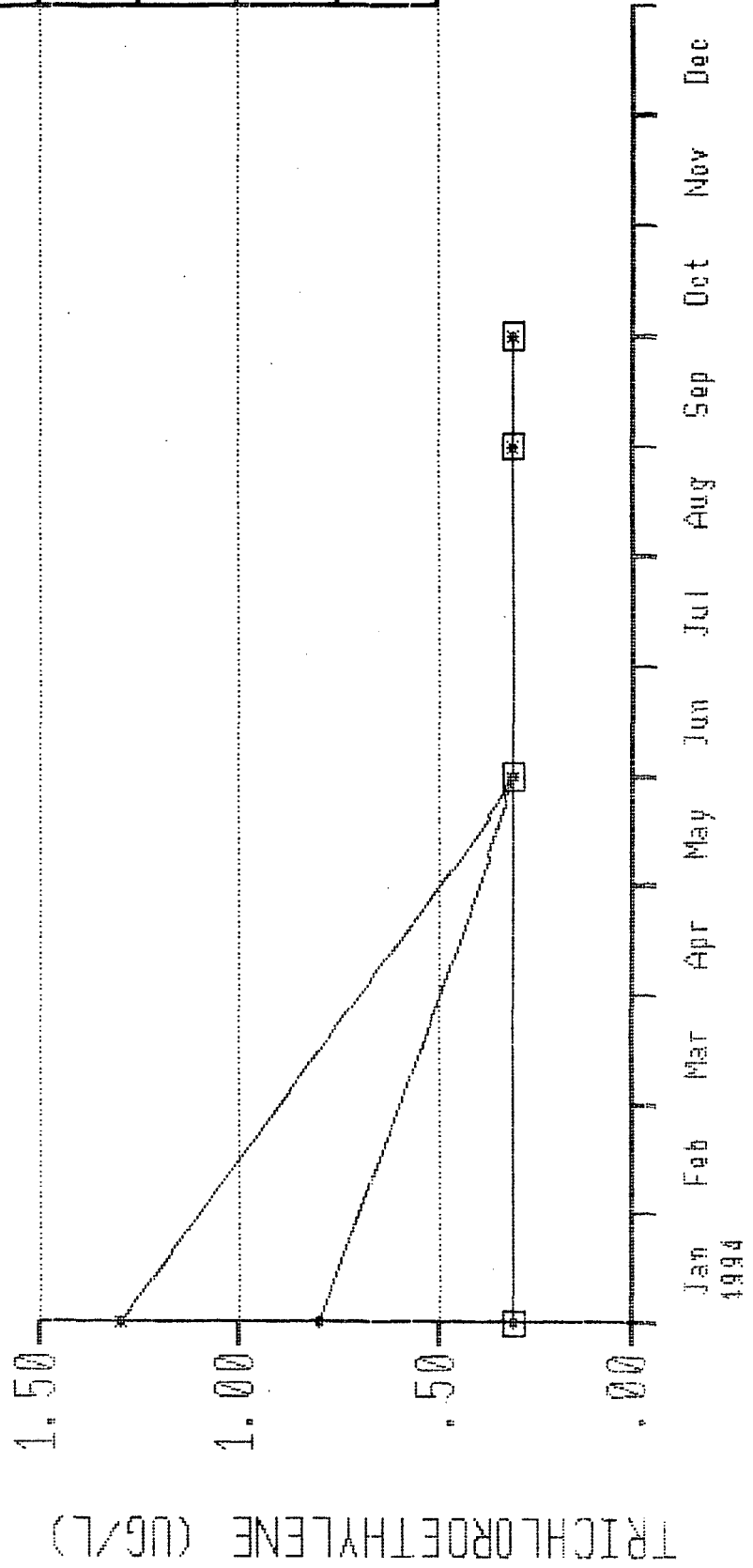
—+—	M30B
—•—	M32B
—*—	M33B
—◊—	M34B
—■—	M35B
□	ND



TRICHLOROETHYLENE (UG/L)

FIGURE 4-D
 PALOS VERDES LANDFILL
 TRICHLOROETHYLENE

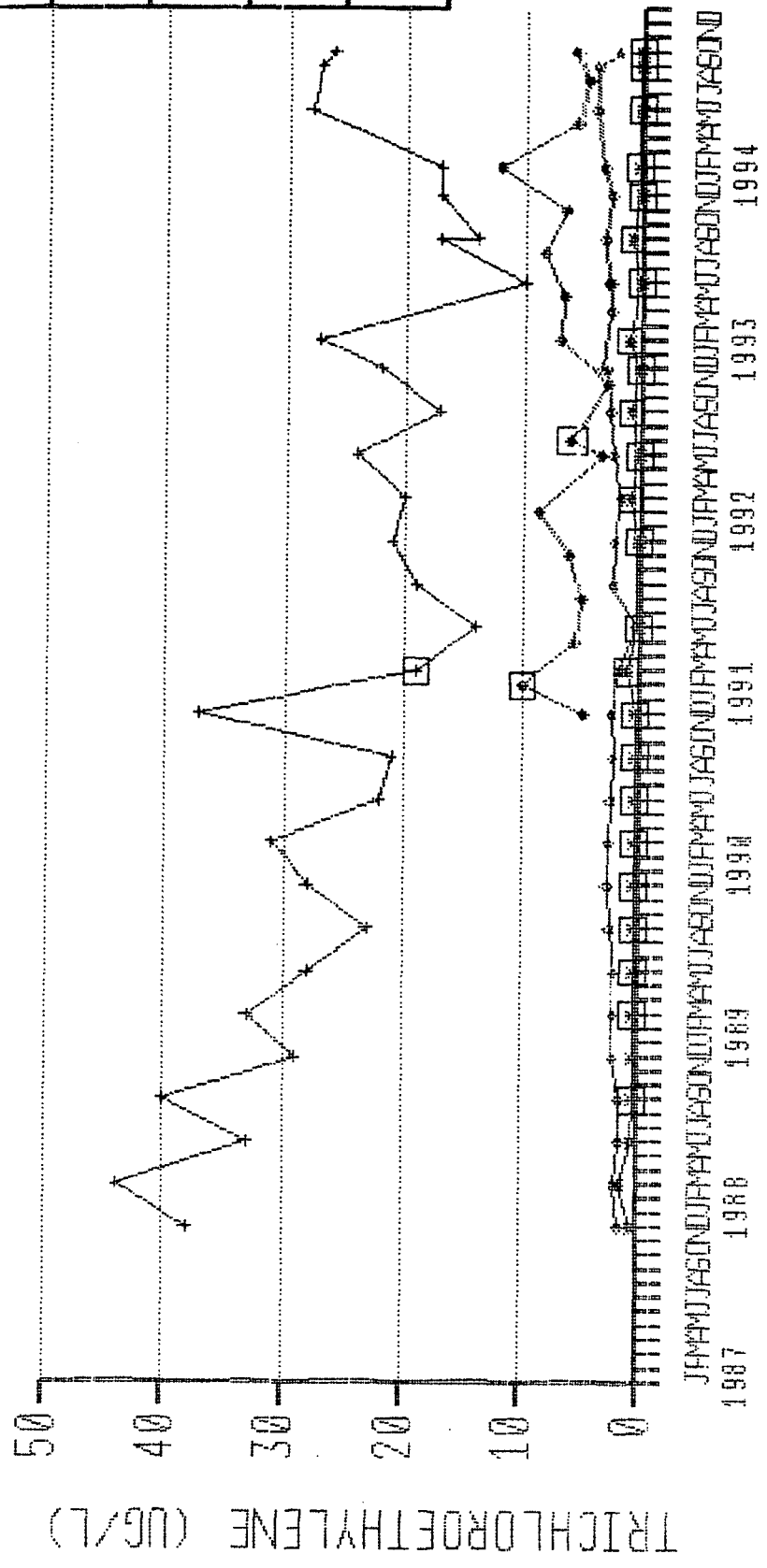
OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



TRICHLOROETHYLENE (UG/L)

FIGURE 4-E
PALOS VERDES LANDFILL
TRICHLOROETHYLENE
ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M38A
—•—	M39A
—*—	M40A
—•—	M53B
□	ND



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FIGURE 4-F
PALOS VERDES LANDFILL
TRICHLOROETHYLENE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

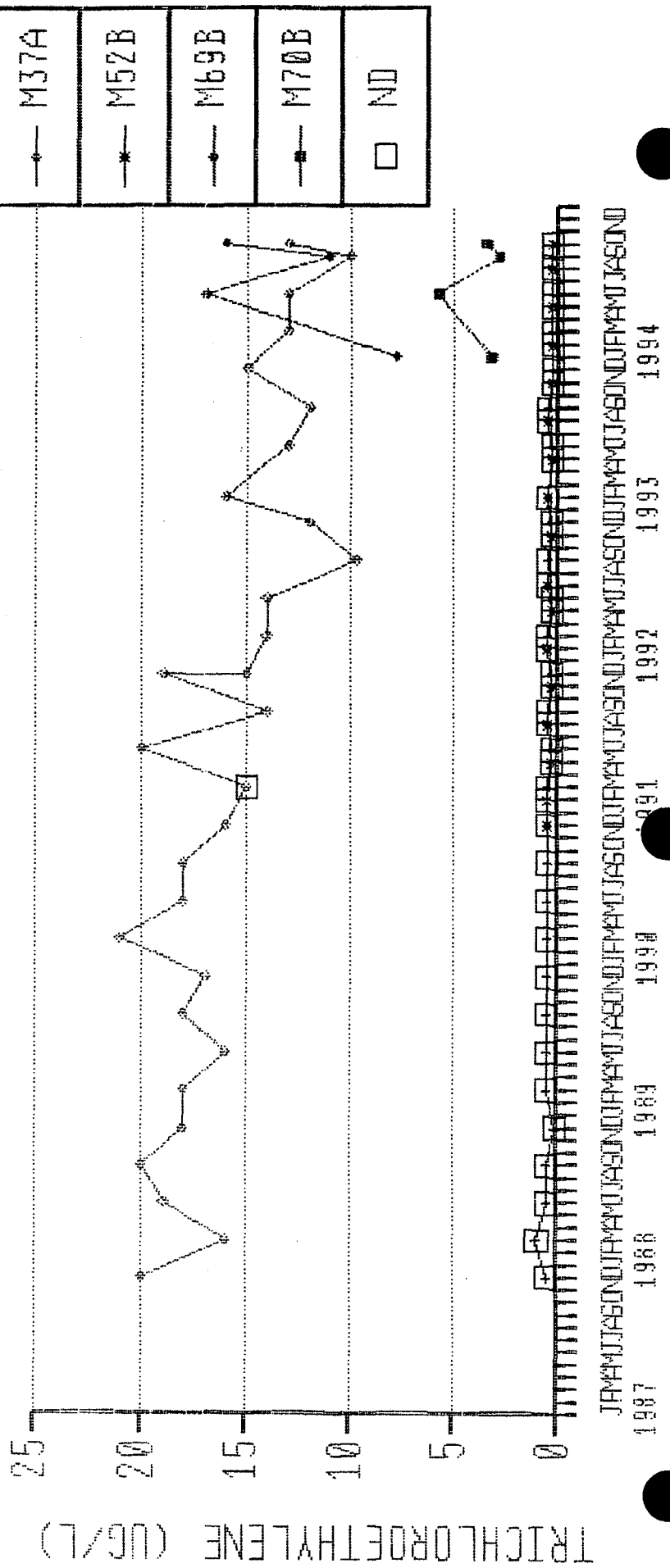


FIGURE 4-G
 PALOS VERDES LANDFILL
 TRICHLOROETHYLENE
 ON SITE WELLS: NEAR CRENSHAW BLVD.

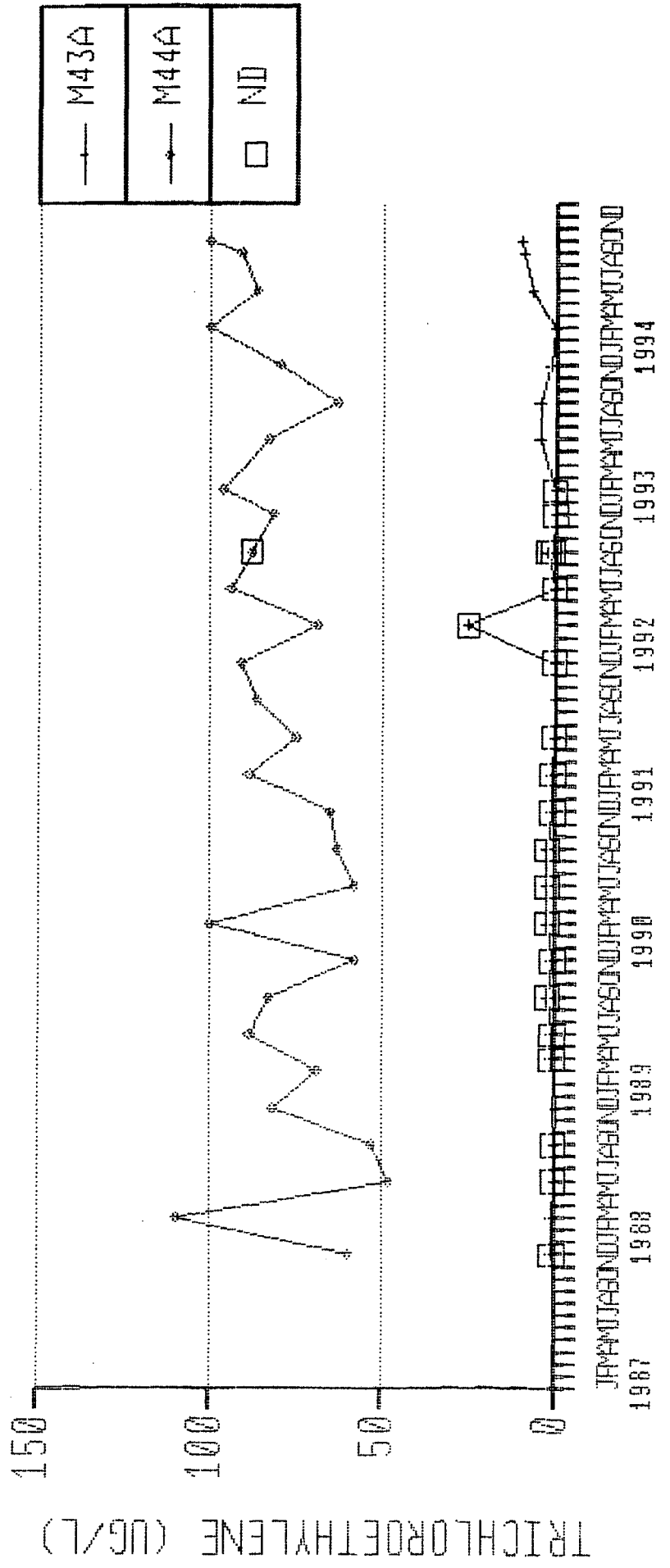


FIGURE 4-A
PALOS VERDES LANDFILL
TRICHLOROETHYLENE
SUMP 7 AND PARCEL 4 SUMP

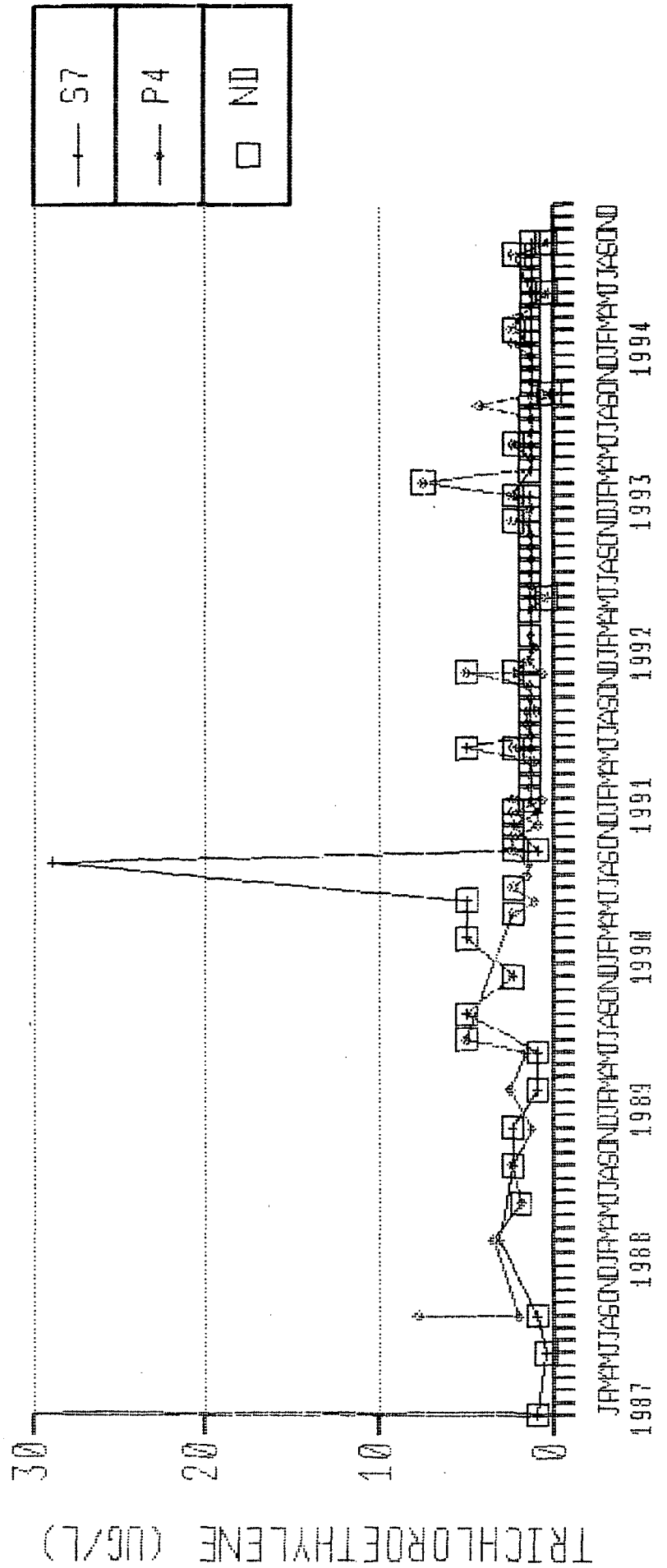
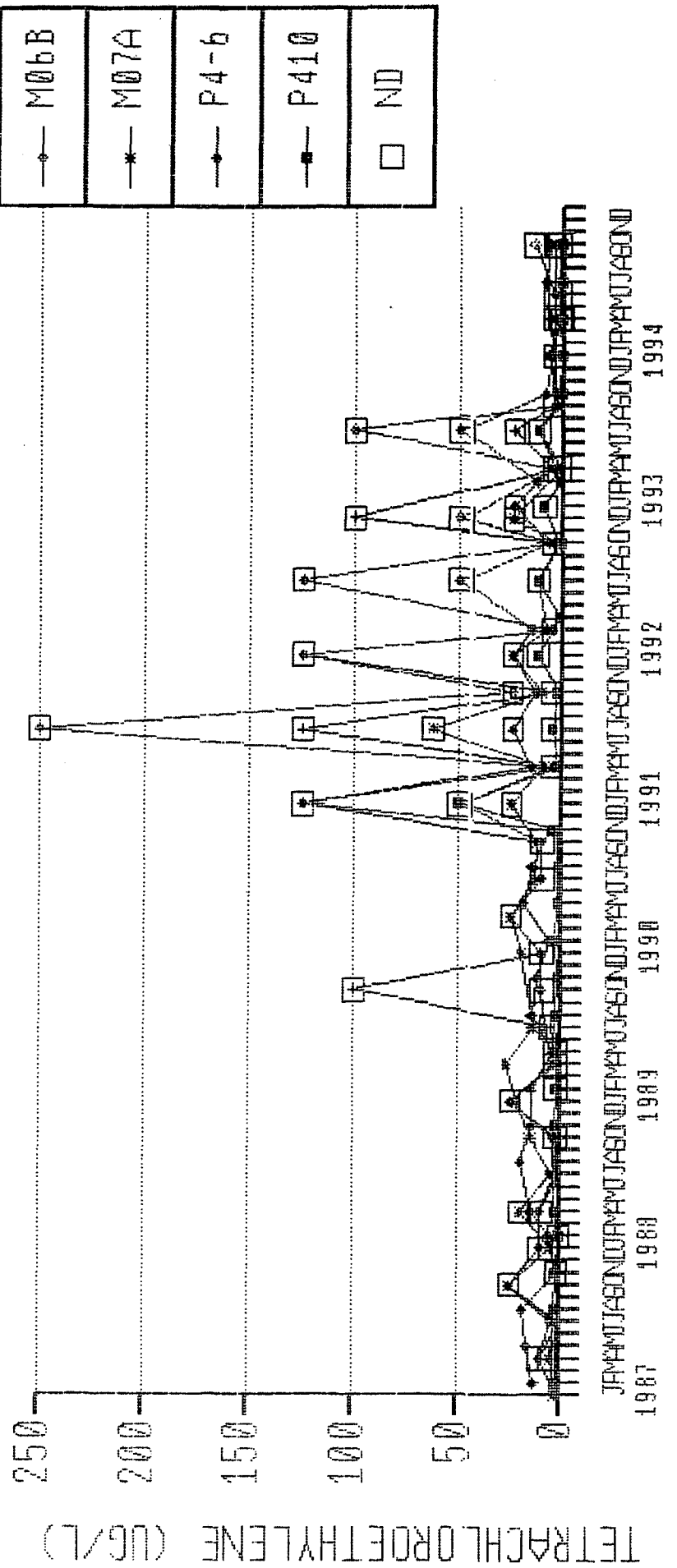


FIGURE 5-A
 PALOS VERDES LANDFILL
 TETRACHLOROETHYLENE

ON SITE DOWNGRADIENT WELLS; NEAR HAWTHORNE BLVD.



TETRACHLOROETHYLENE (UG/L)

1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 5-D

PALOS VERDES LANDFILL TETRACHLOROETHYLENE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

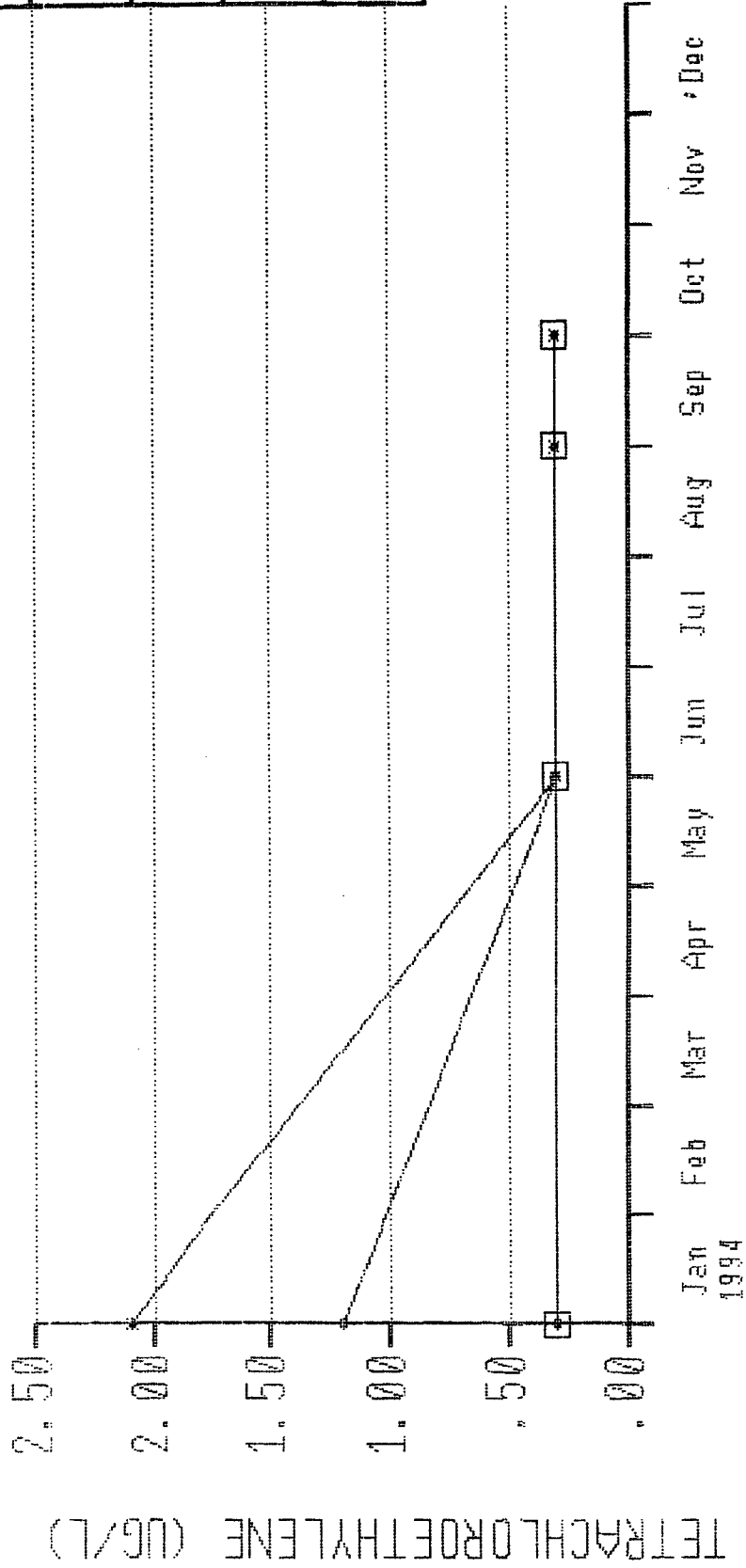


FIGURE 5-E
PALOS VERDES LANDFILL
TETRACHLOROETHYLENE
ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

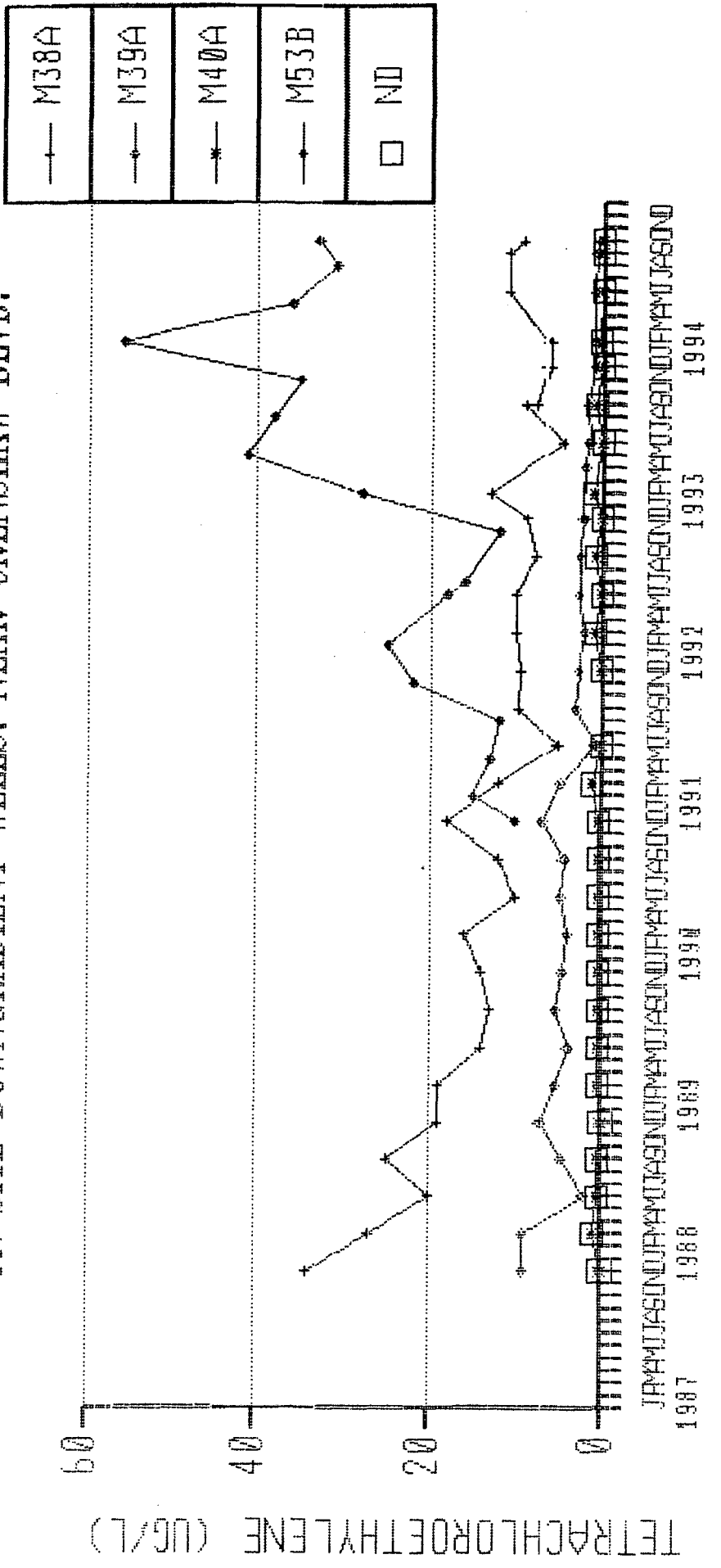


FIGURE 5-F
 PALOS VERDES LANDFILL
 TETRACHLOROETHYLENE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

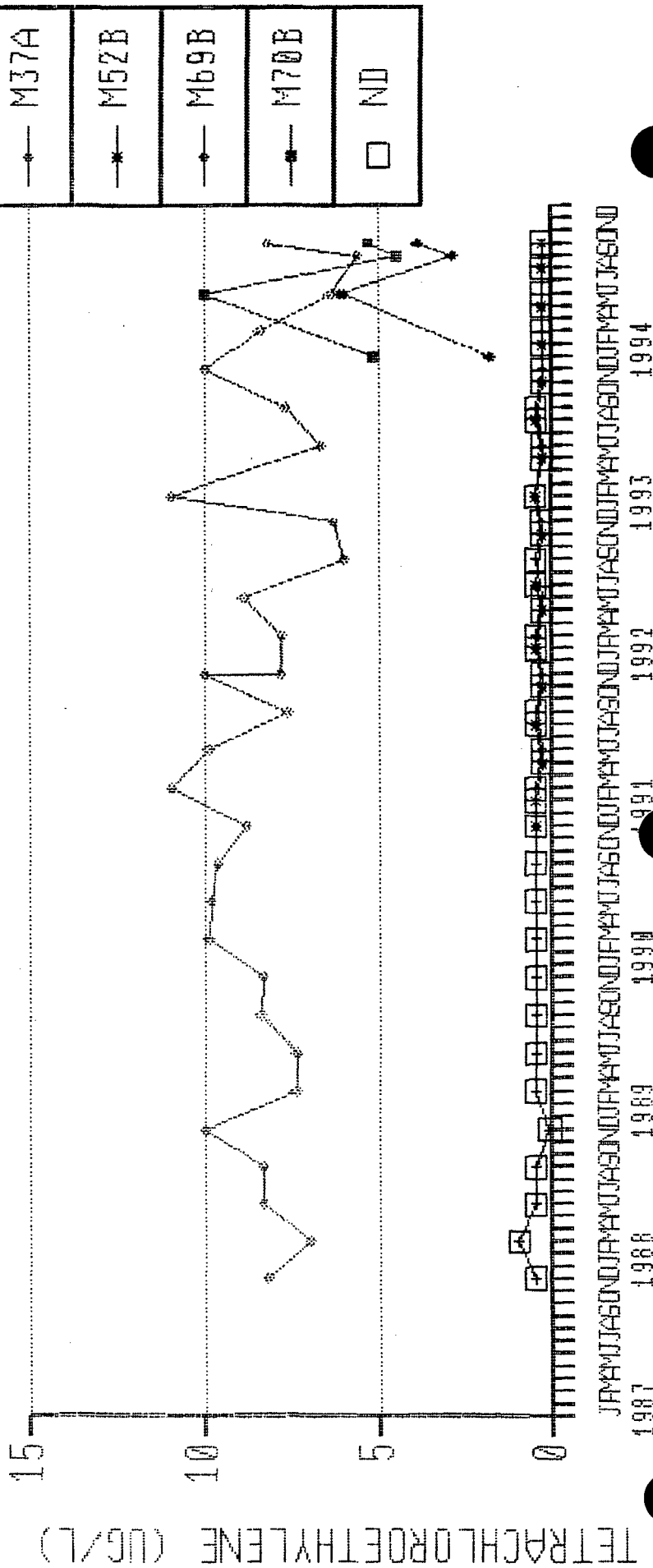


FIGURE 5-G
PALOS VERDES LANDFILL
TETRACHLOROETHYLENE
ON SITE WELLS: NEAR CRENSHAW BLVD.

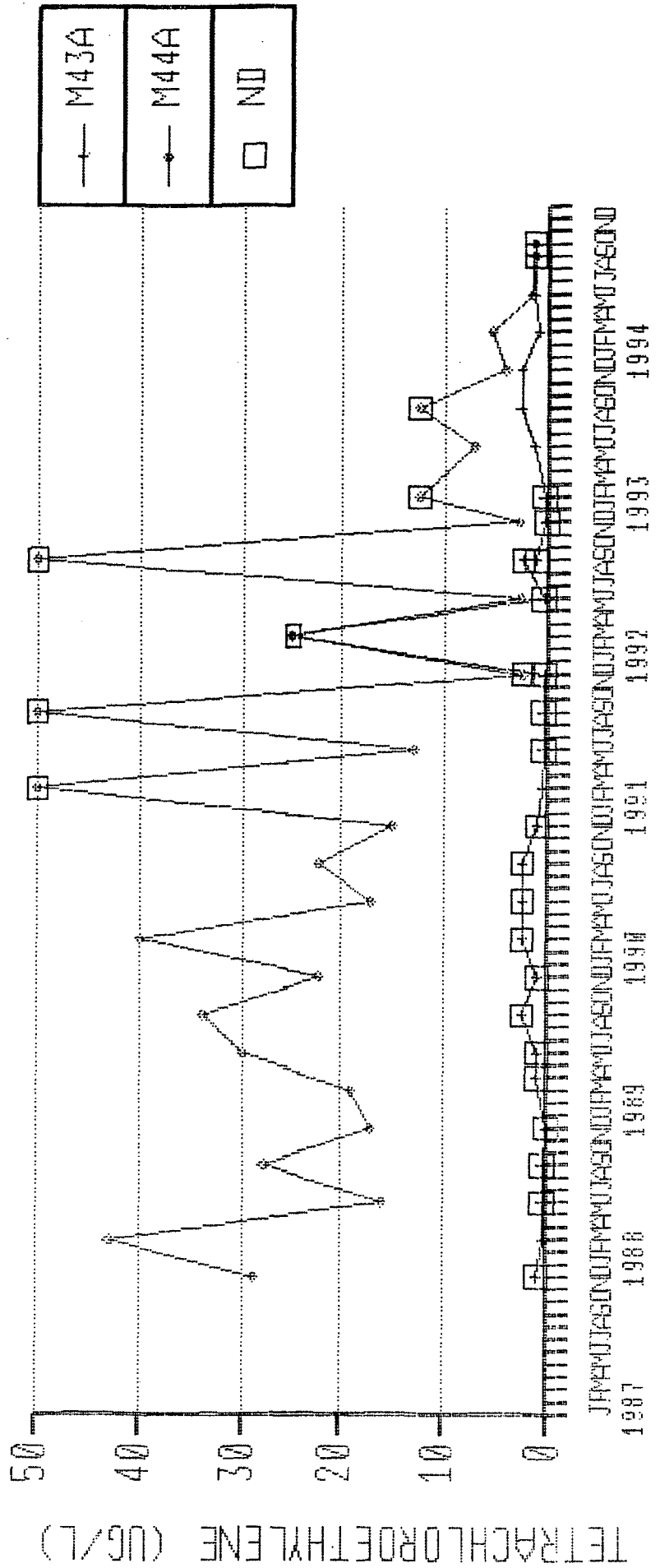


FIGURE 5-A
 PALOS VERDES LANDFILL
 TETRACHLOROETHYLENE
 SUMP 7 AND PARCEL 4 SUMP

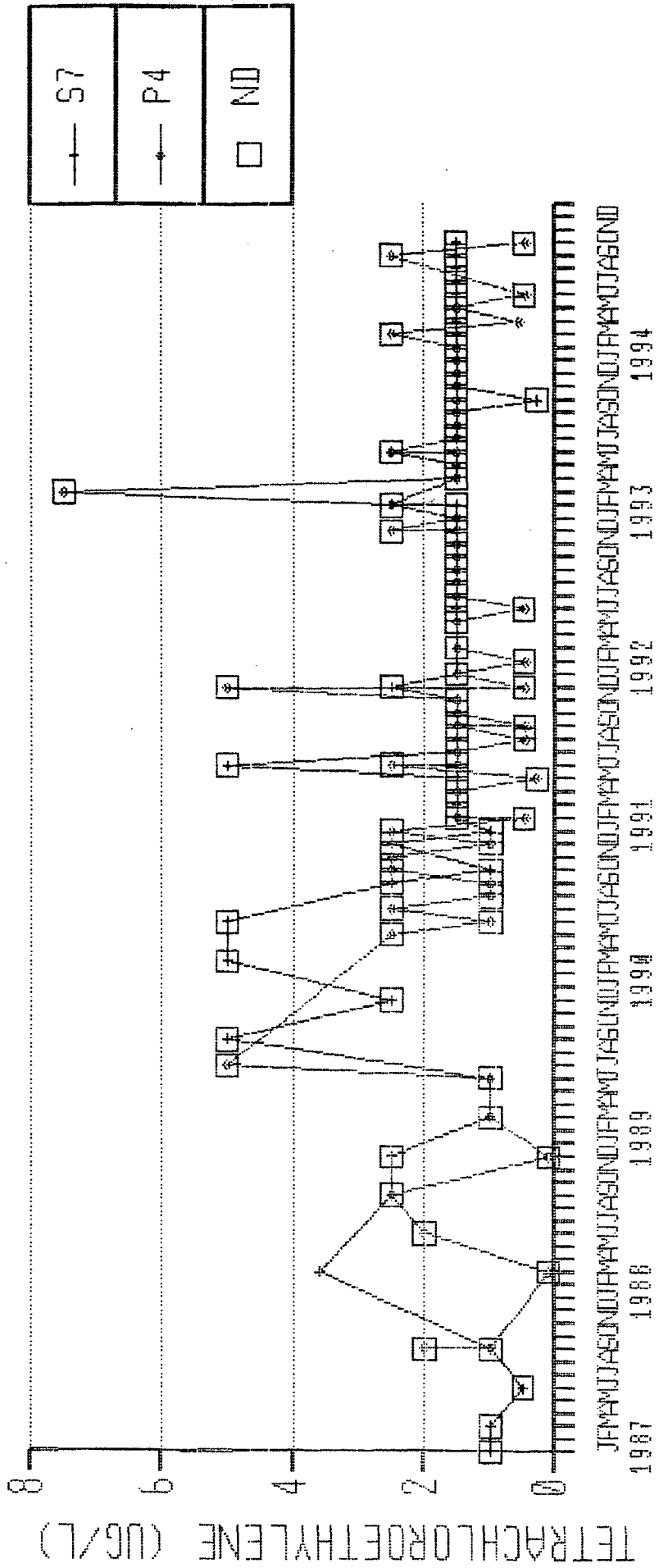


FIGURE 6-A
 PALOS VERDES LANDFILL
 CHLOROBENZENE
 ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

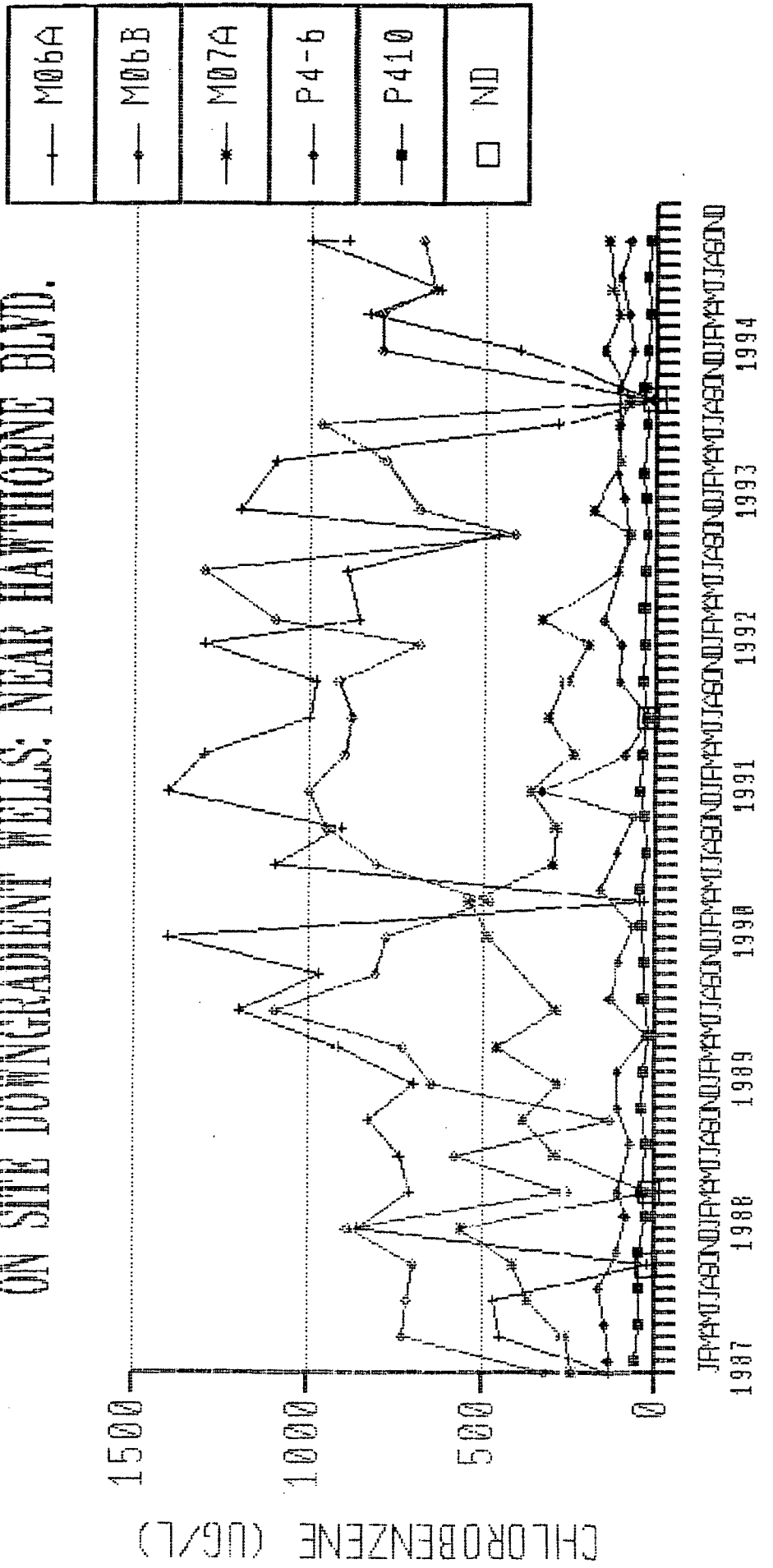
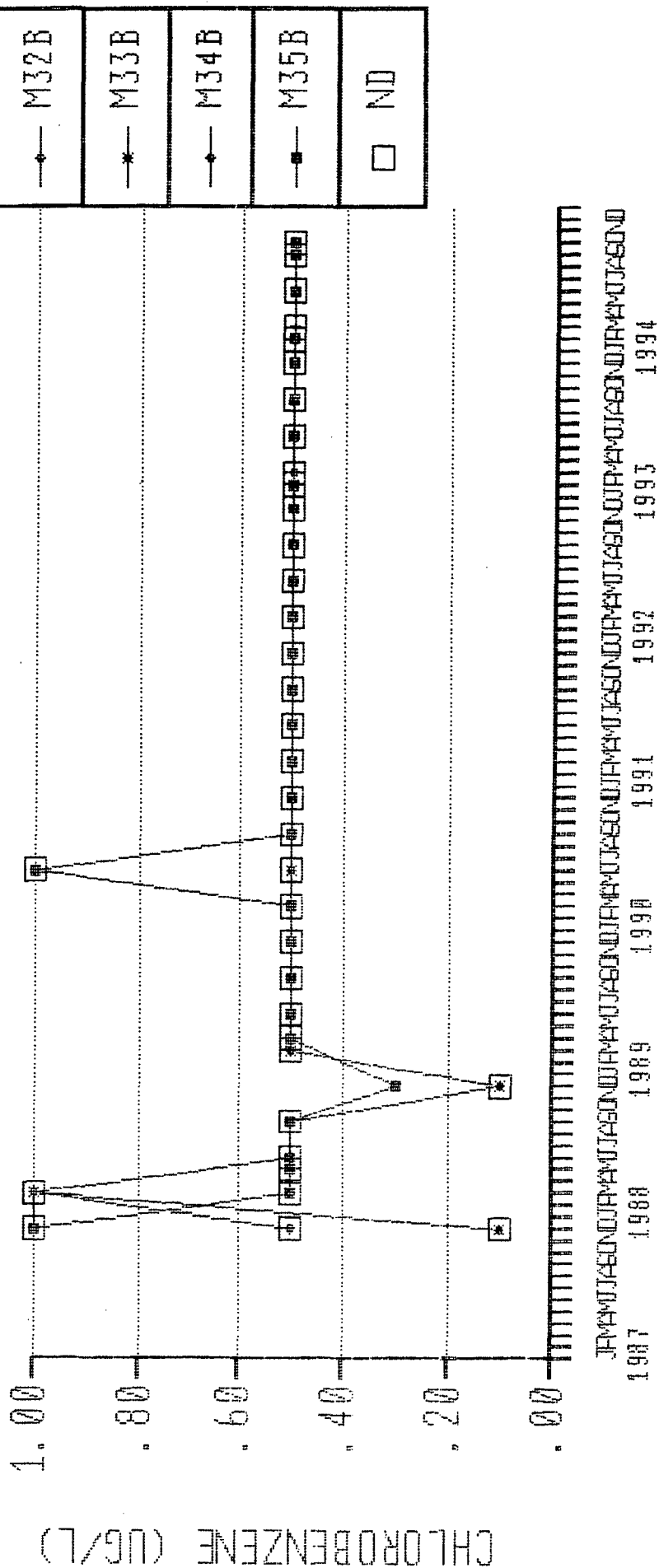


FIGURE 6-C
PALOS VERDES LANDFILL
CHLOROBENZENE
ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



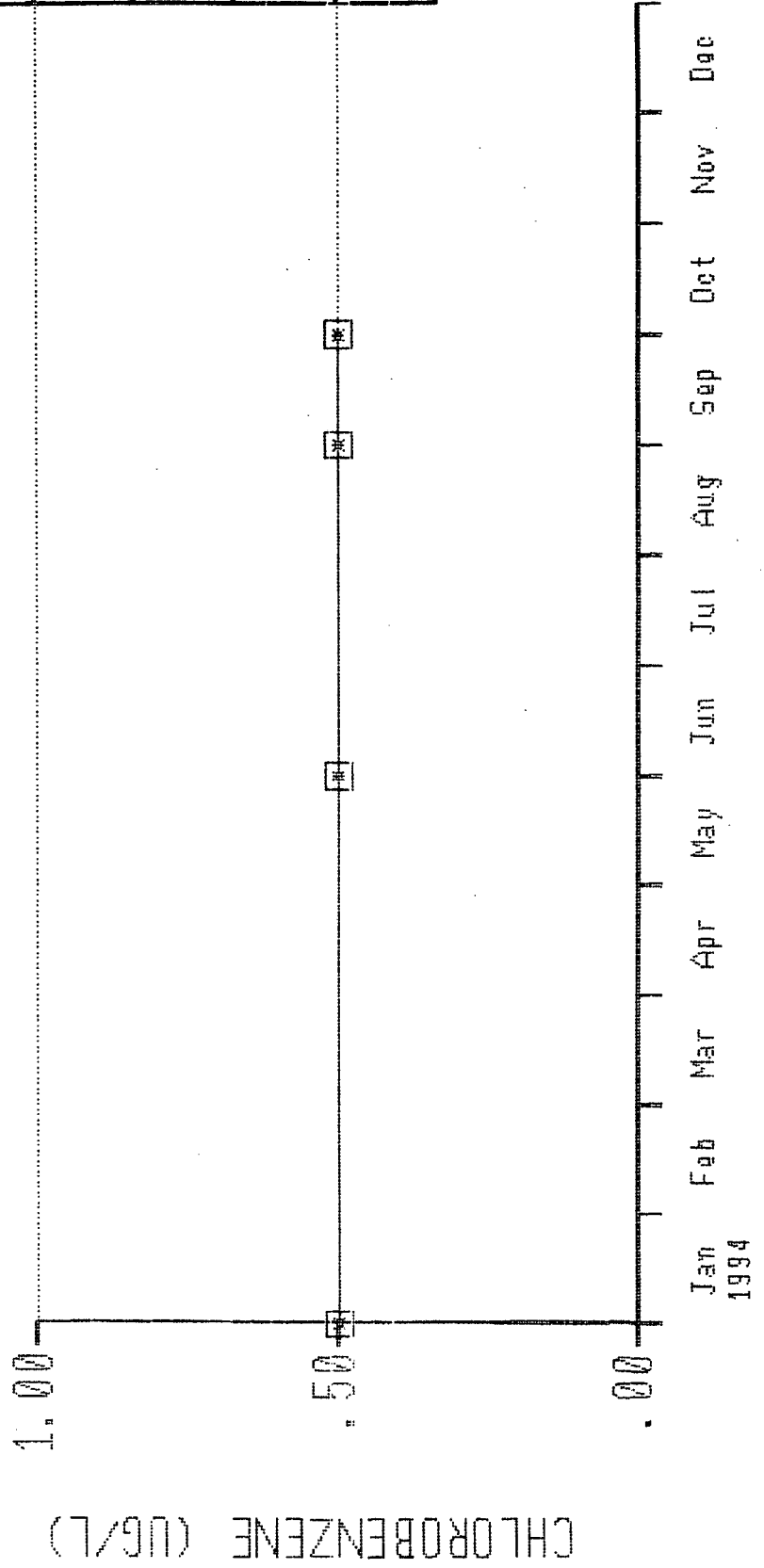
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 1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 6-D

PALOS VERDES LANDFILL

CHLOROBENZENE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



CHLOROBENZENE (UG/L)

—+	M65B
—♦	M66B
—*	M67B
—◆	M68B
□	ND

FIGURE 6-E
 PALOS VERDES LANDFILL
 CHLOROBENZENE

ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M38A
—•—	M39A
—*—	M40A
—+—	M53B
□	ND

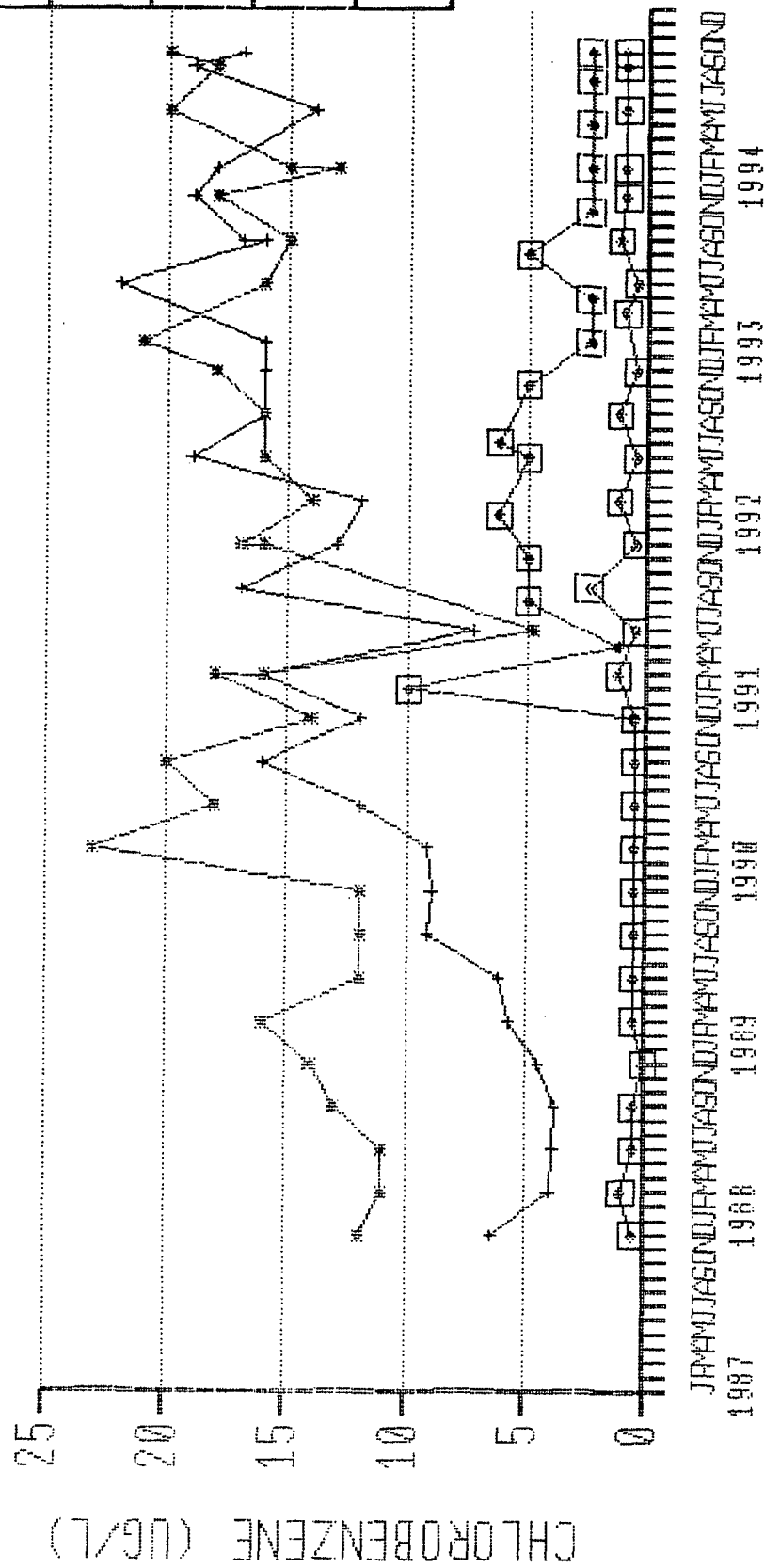


FIGURE 6-F
PALOS VERDES LANDFILL
CHLOROBENZENE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M36A
—•—	M37A
—*—	M52B
—◊—	M69B
—■—	M70B
□	ND

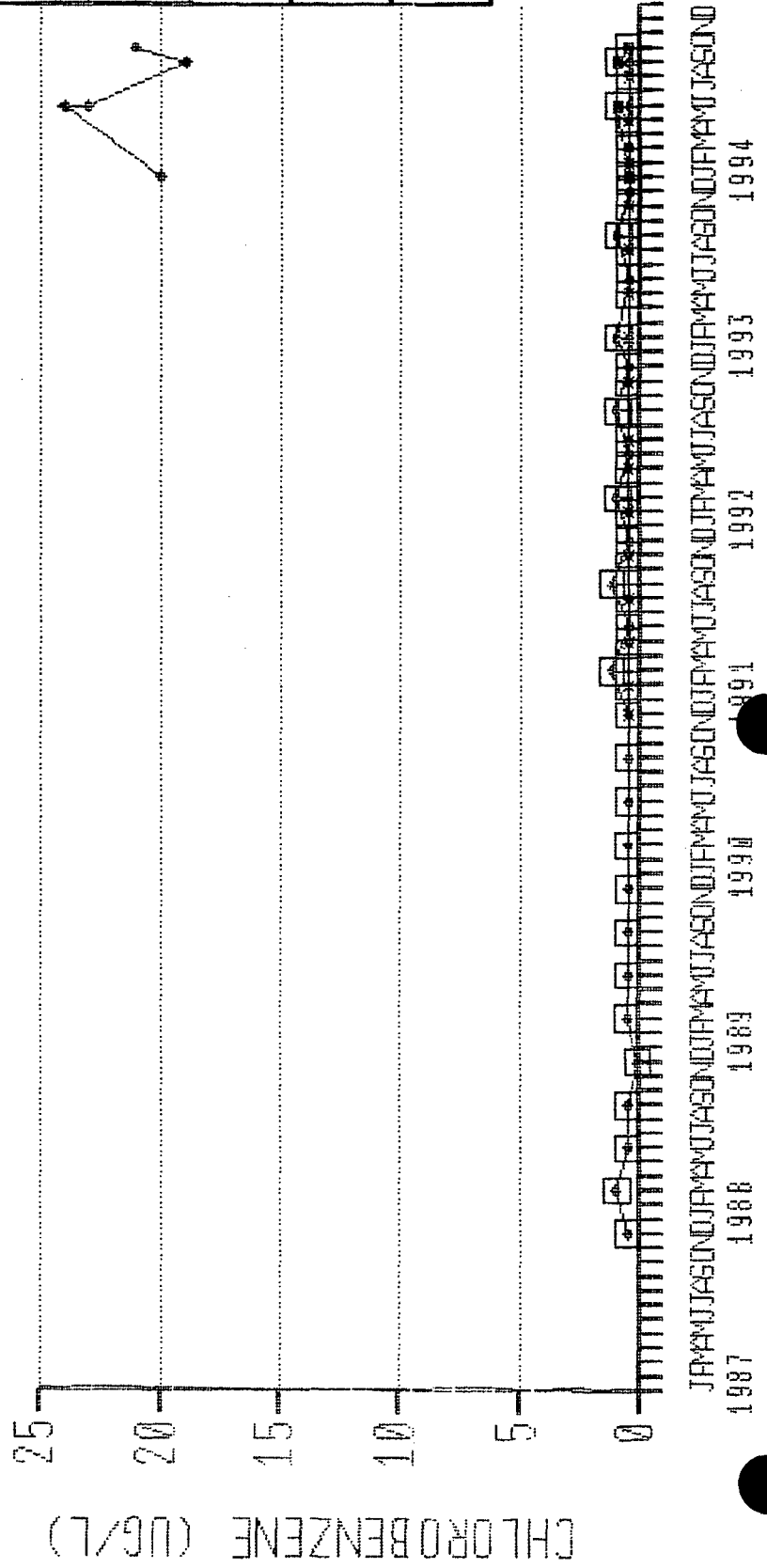
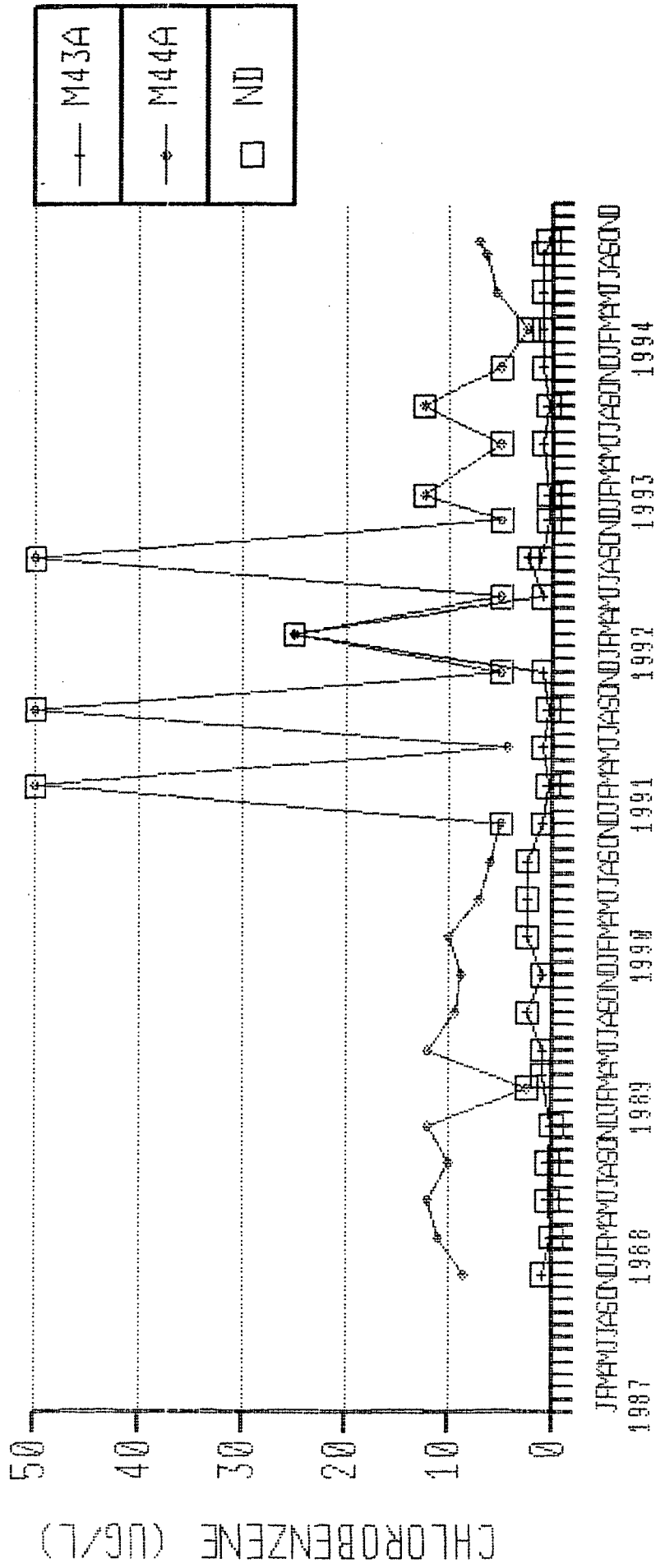


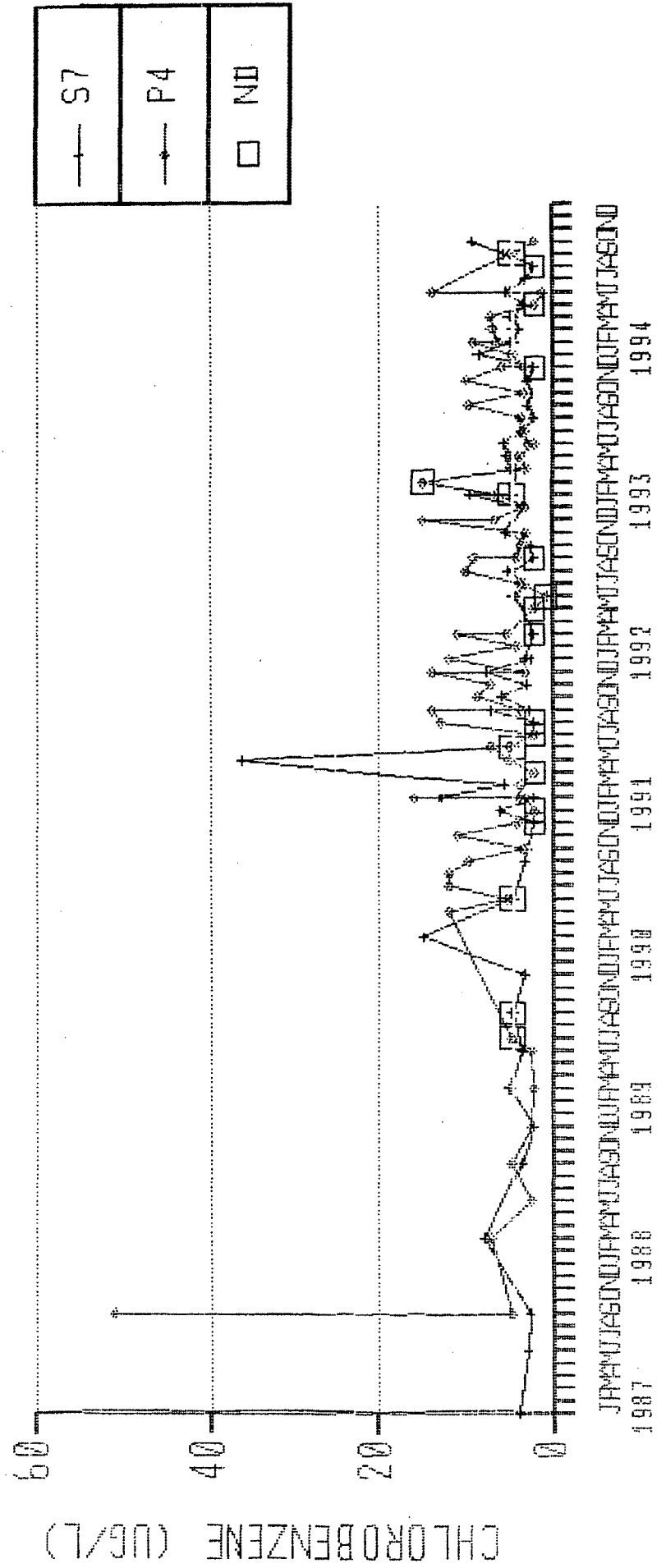
FIGURE 6-G
PALOS VERDES LANDFILL
CHLORO BENZENE
ON SITE WELLS: NEAR CRENSHAW BLVD.



CHLORO BENZENE (UG/L)

1987 1988 1989 1990 1991 1992 1993 1994
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FIGURE 6-A
PALOS VERDES LANDFILL
CHLOROBENZENE
SUMP 7 AND PARCEL 4 SUMP

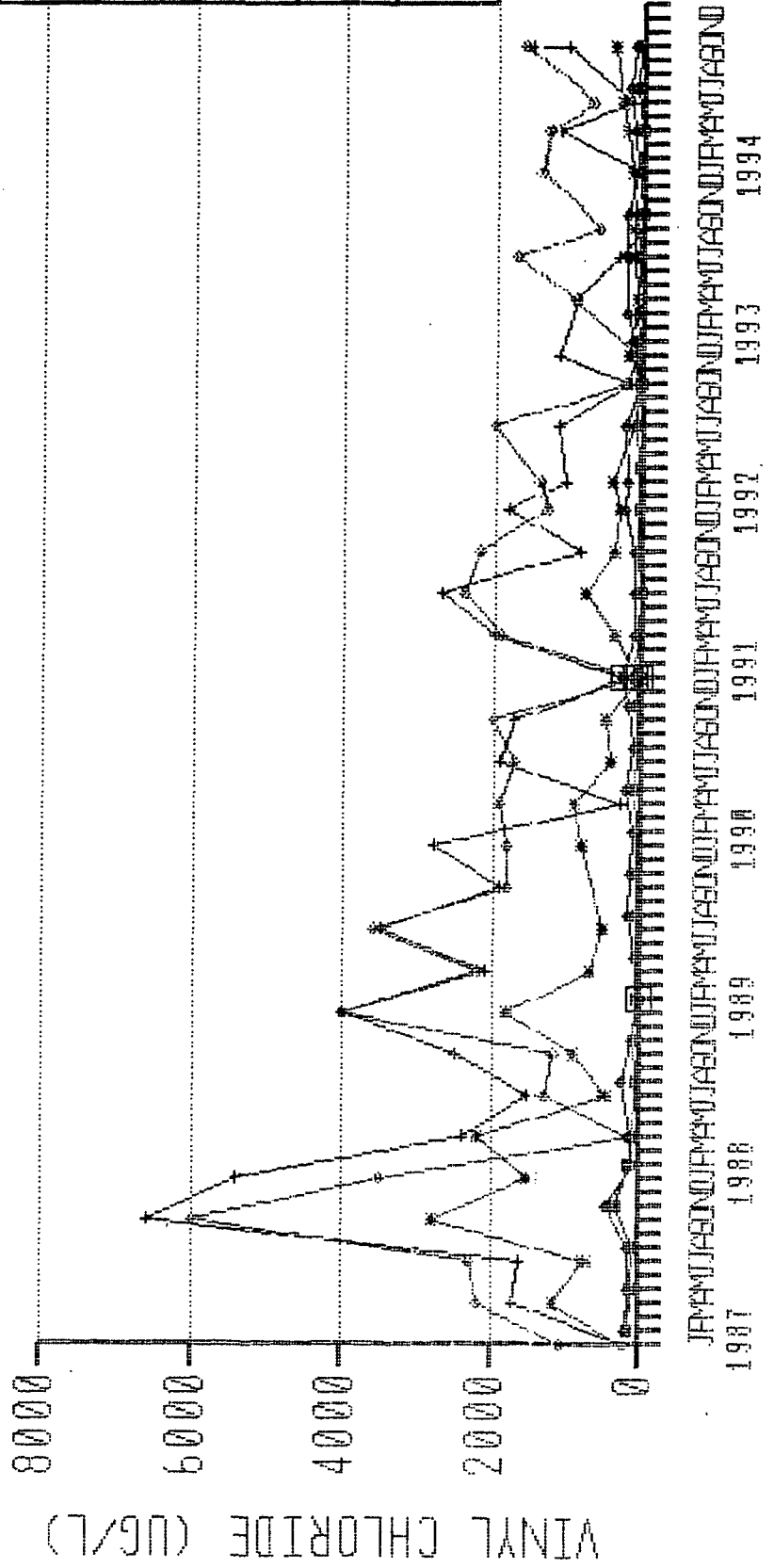


—□—	S7
—△—	P4
□	ND

FIGURE 7-A
 PALOS VERDES LANDFILL
 VINYL CHLORIDE

ON SITE DOWNGRADIENT WELLS; NEAR HAWTHORNE BLVD.

—+—	M06A
—●—	M06B
—*—	M07A
—●—	P4-6
—■—	P410
□	ND



1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 7-C
PALOS VERDES LANDFILL
VINYL CHLORIDE

ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

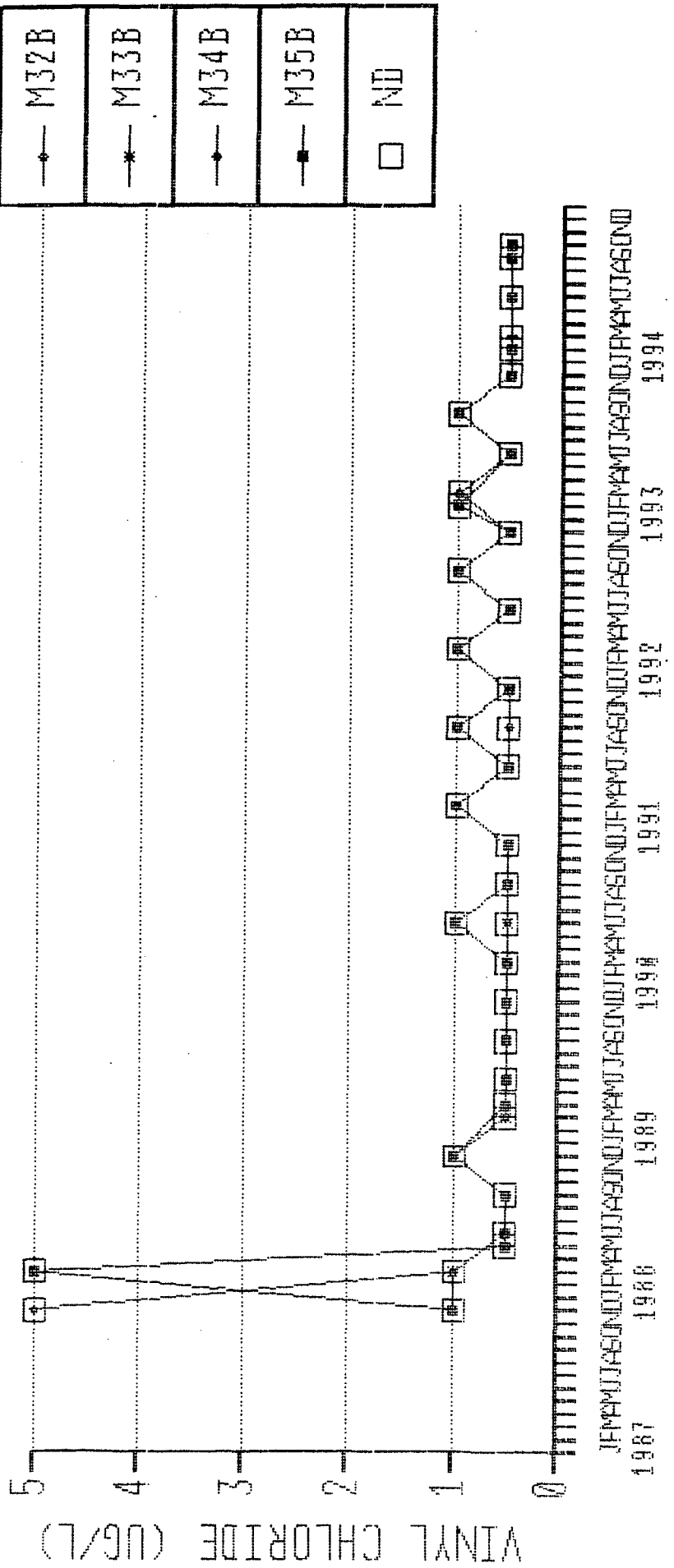
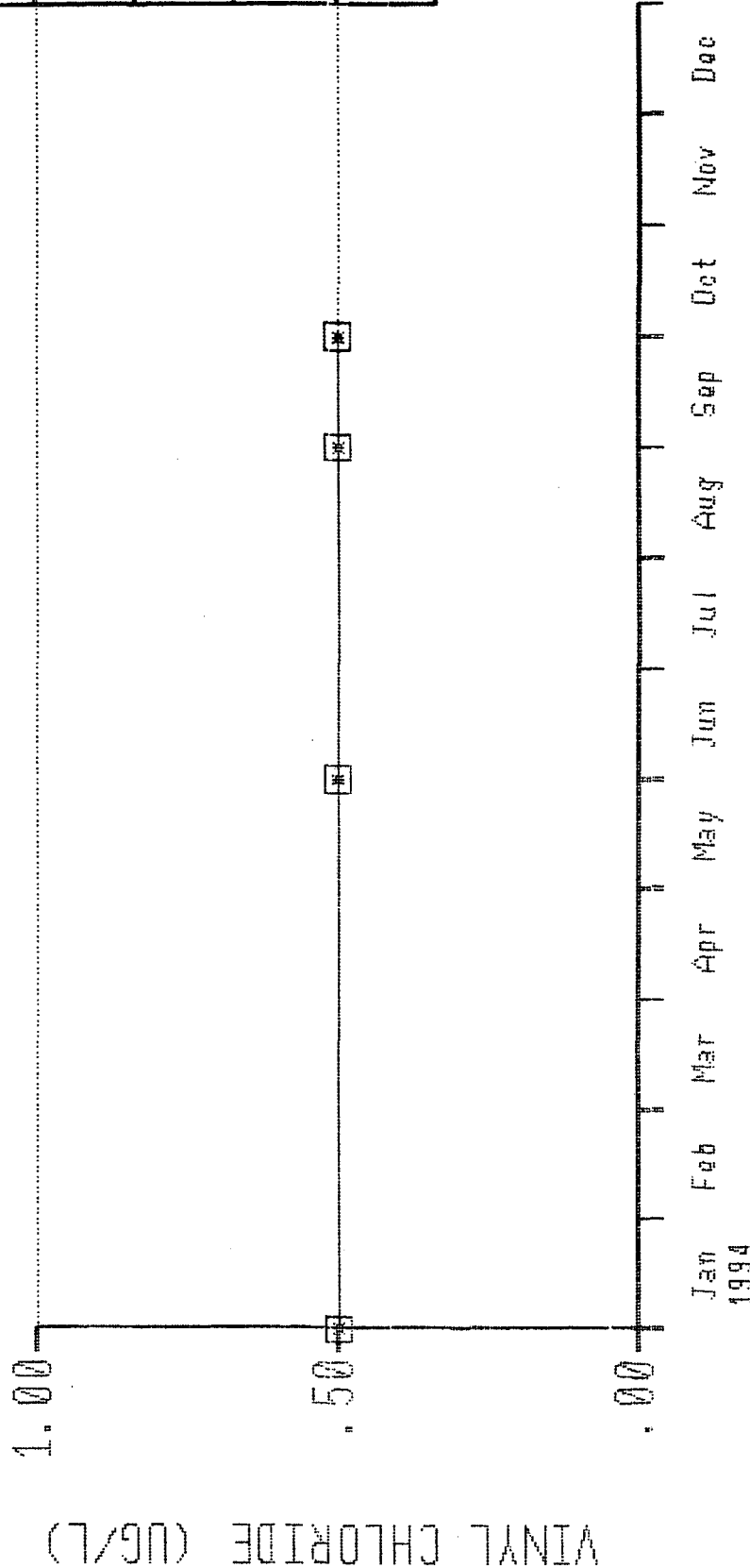


FIGURE 7-D

PALOS VERDES LANDFILL

VINYL CHLORIDE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



VINYL CHLORIDE (UG/L)

FIGURE 7-E
 PALOS VERDES LANDFILL
 VINYL CHLORIDE
 ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—	M38A
—	M39A
—	M40A
—	M53B
□	ND

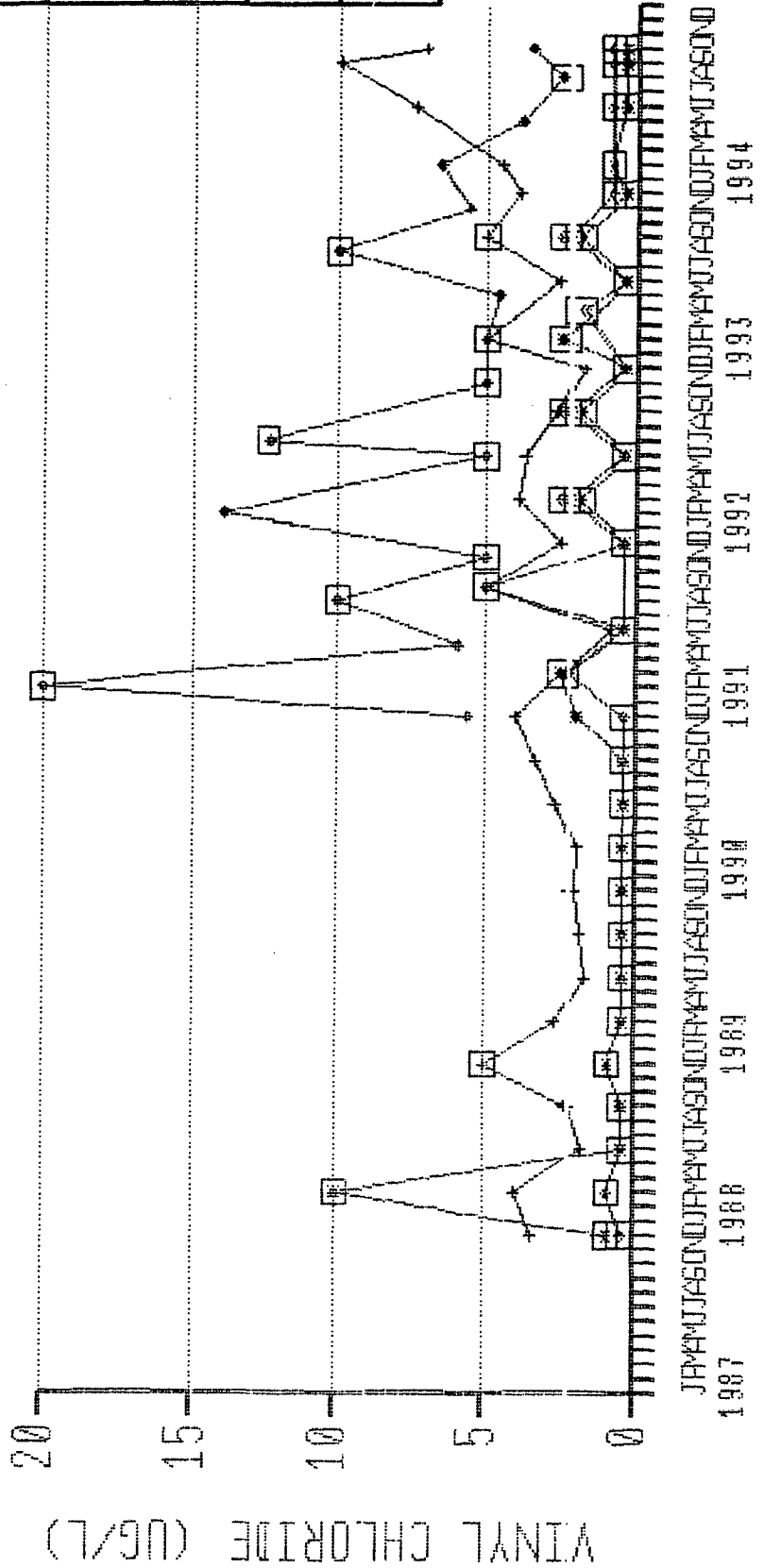
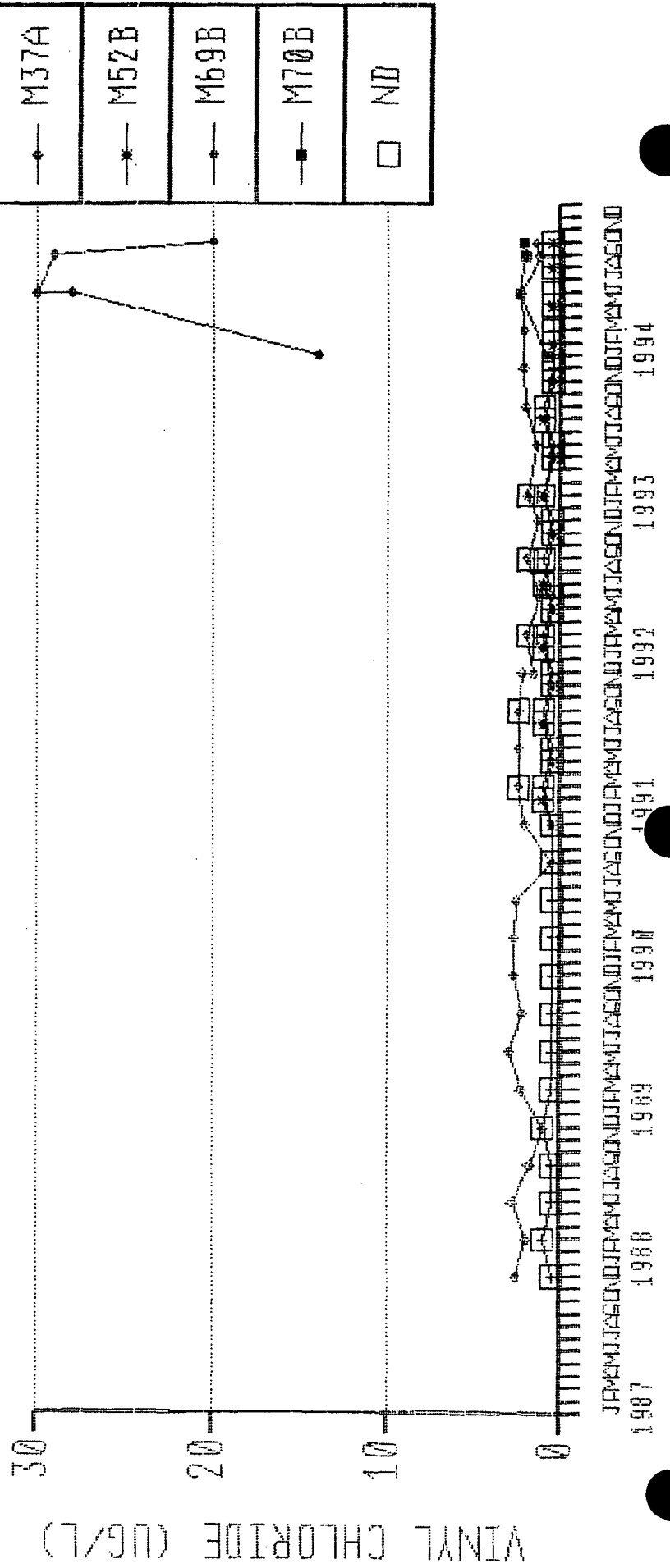


FIGURE 7-F
 PALOS VERDES LANDFILL
 VINYL CHLORIDE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1987 1988 1991 1992 1993 1994

FIGURE 7-G
 PALOS VERDES LANDFILL
 VINYL CHLORIDE
 ON SITE WELLS: NEAR CRENSHAW BLVD.

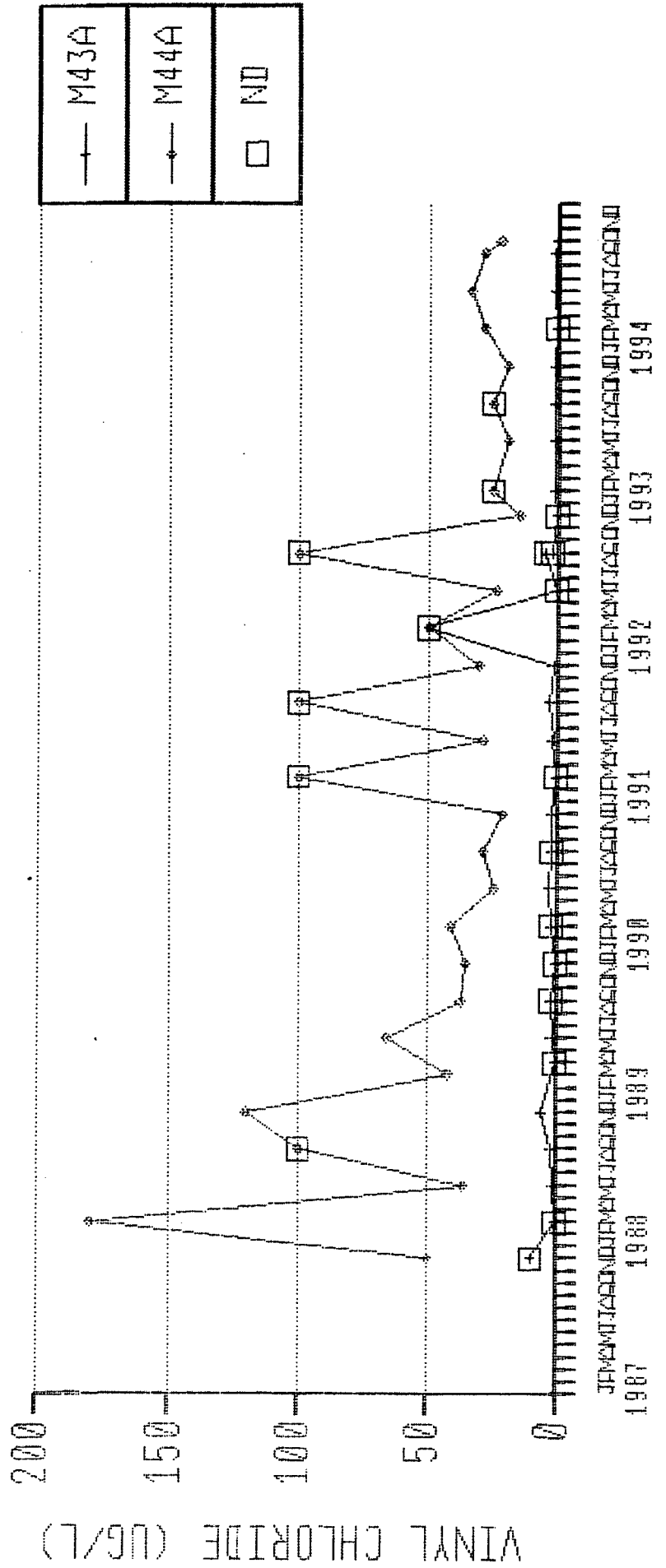


FIGURE 7-A
PALOS VERDES LANDFILL
VINYL CHLORIDE
SUMP 7 AND PARCEL 4 SUMP

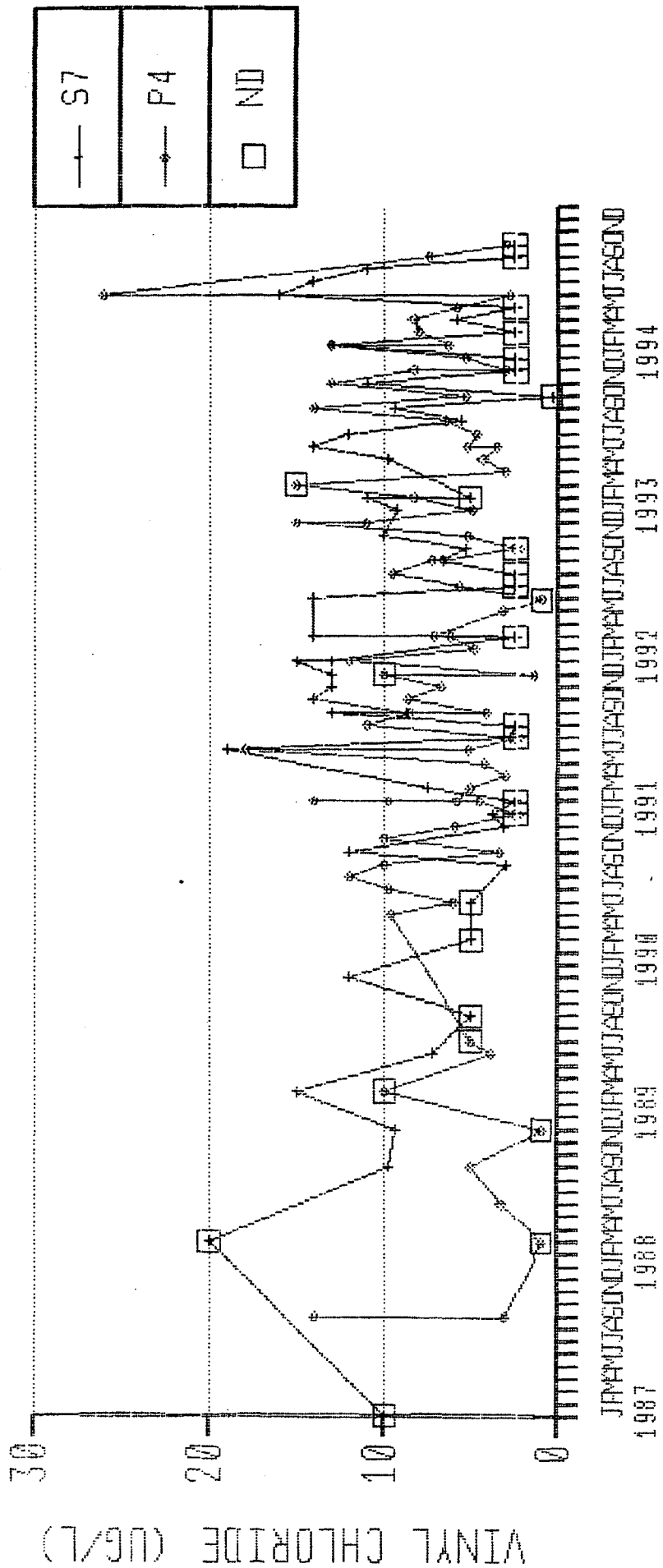


FIGURE 8-A
 PALOS VERDES LANDFILL
 P-DICHLOROBENZENE

ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

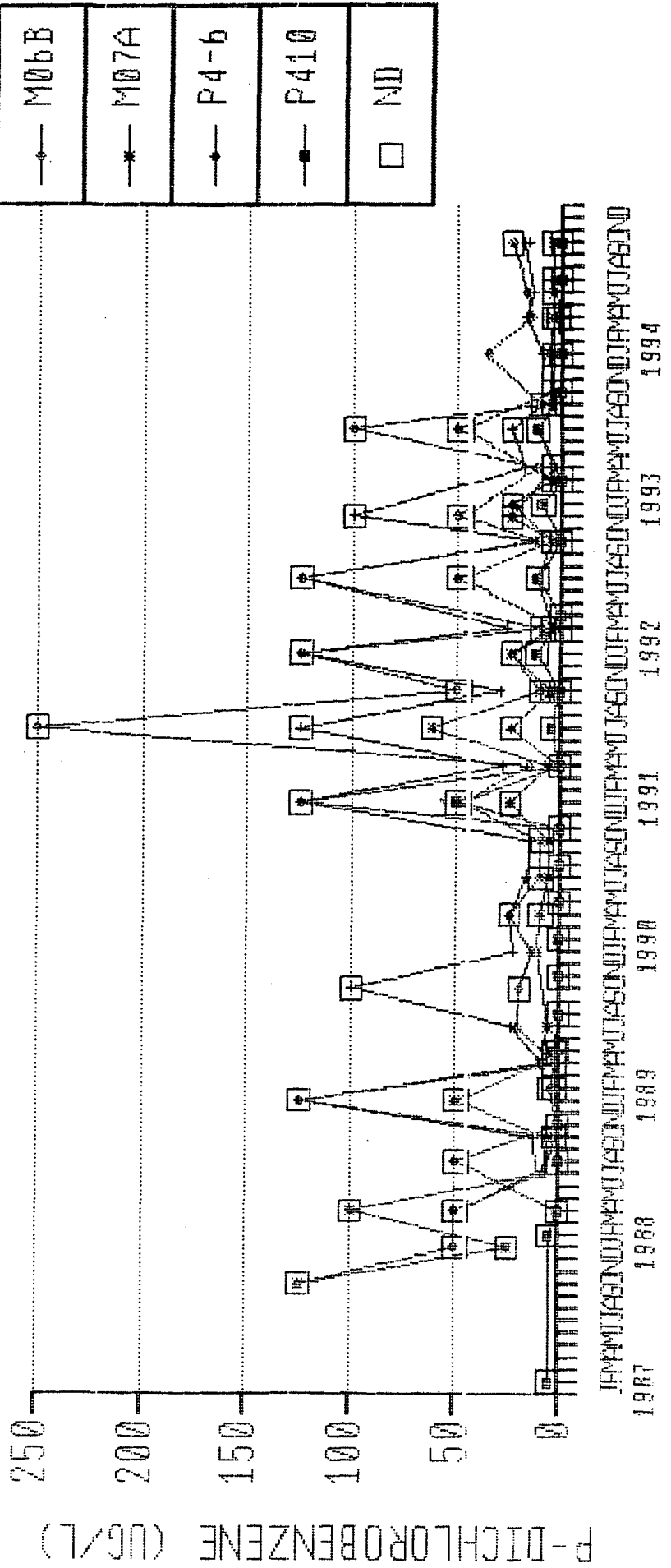
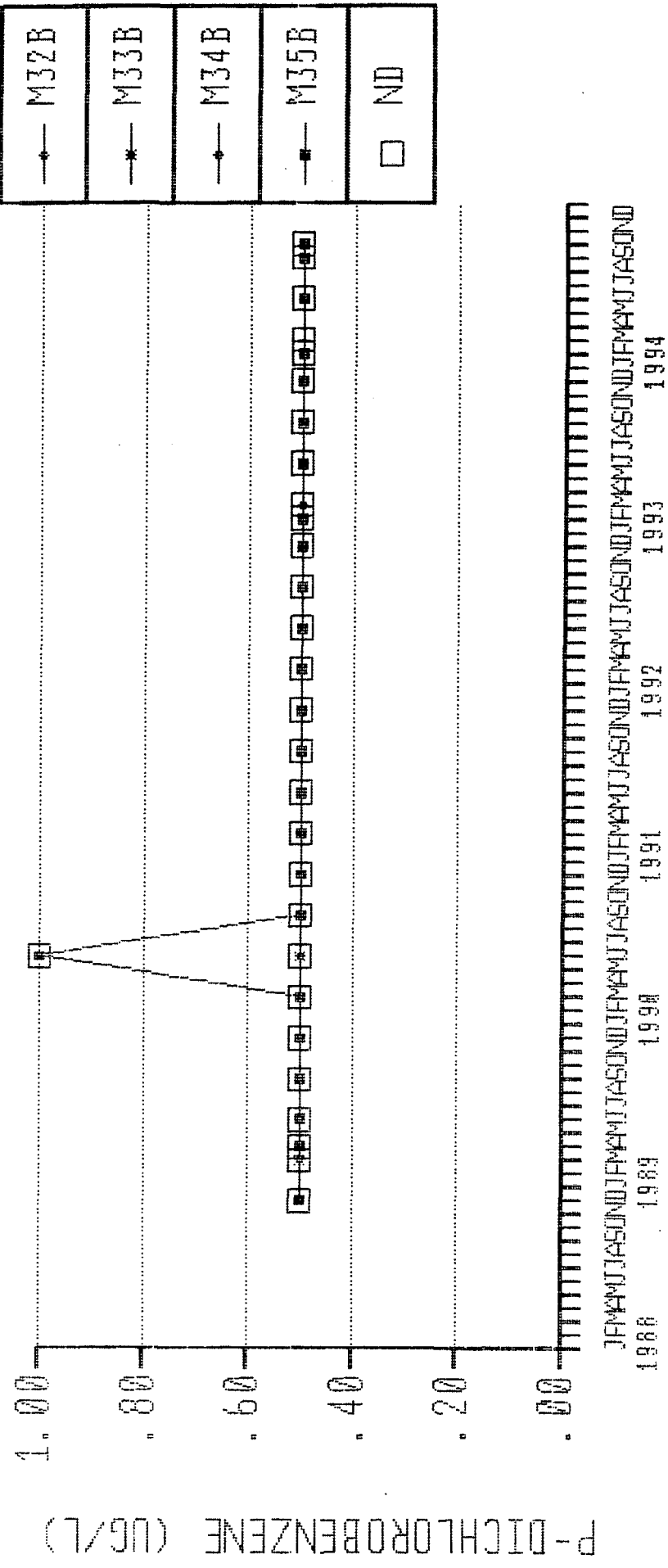


FIGURE 8-C
PALOS VERDES LANDFILL
P-DICHLOROBENZENE
ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



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 1988 1989 1990 1991 1992 1993 1994

FIGURE 8-D

PALOS VERDES LANDFILL

P-DICHLOROBENZENE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

+	M65B
•	M66B
*	M67B
•	M68B
□	ND

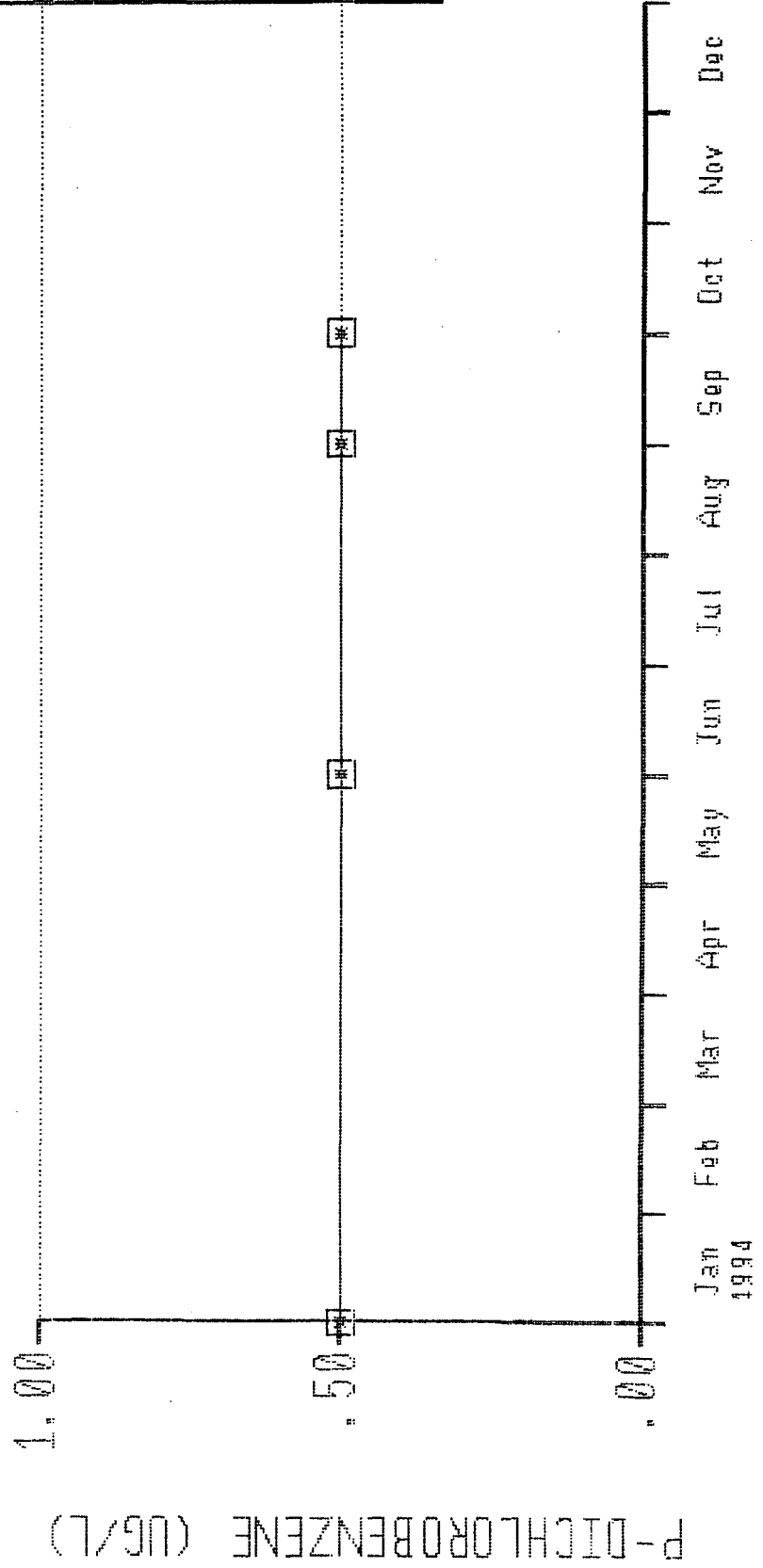


FIGURE 8-E
PALOS VERDES LANDFILL
P-DICHLOROBENZENE
ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

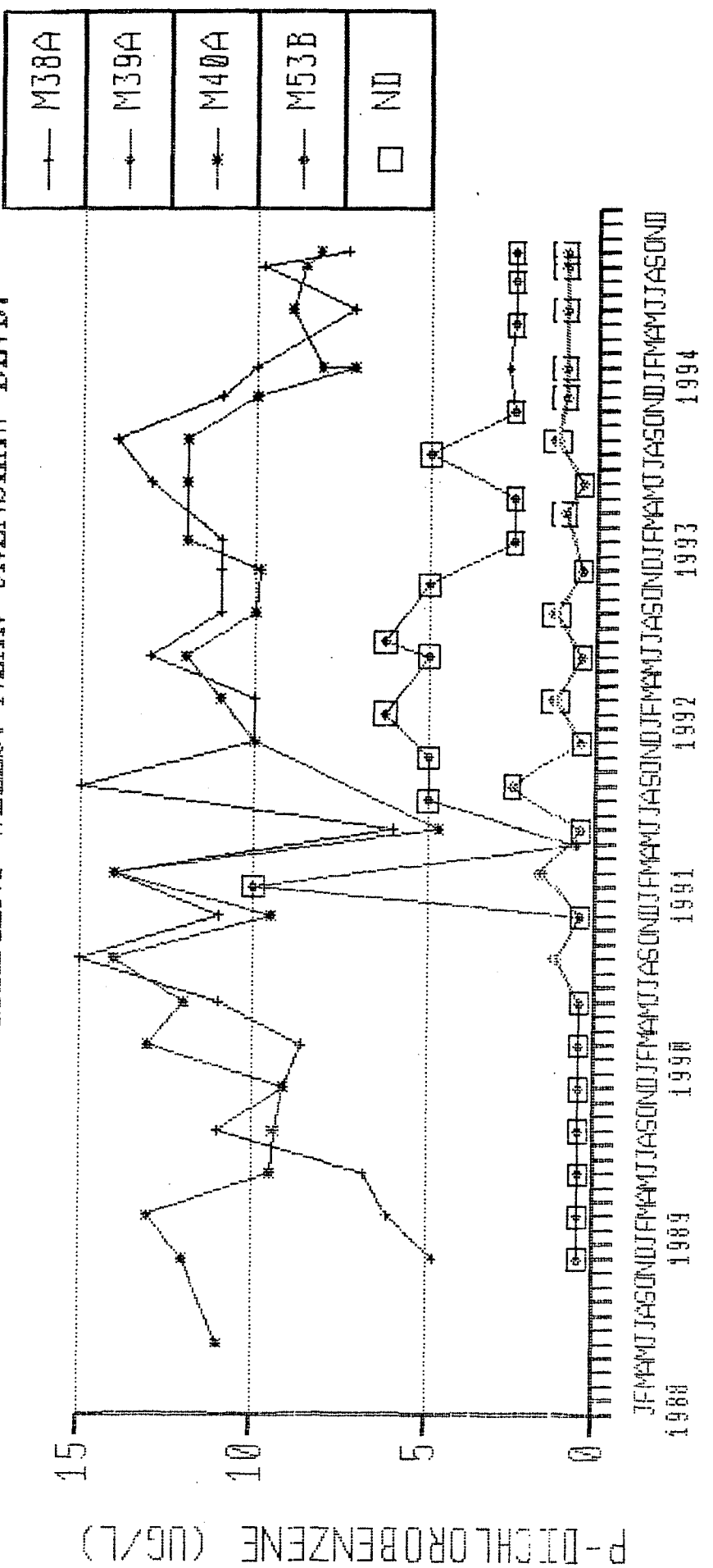
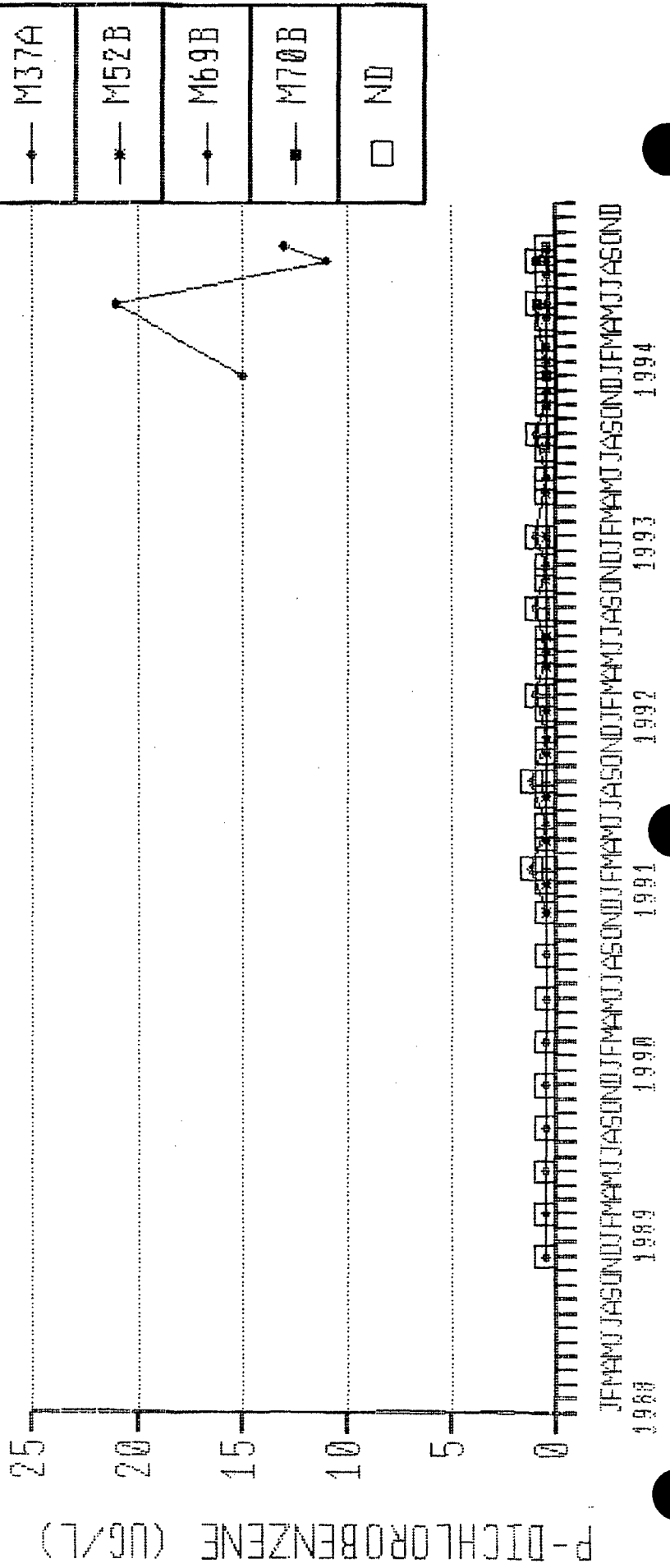


FIGURE 8-F
 PALOS VERDES LANDFILL
 P-DICHLOROBENZENE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1988 1989 1990 1991 1992 1993 1994

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JFMAMJ JASON JFMAMJ JASON JFMAMJ JASON JFMAMJ JASON JFMAMJ JASON

FIGURE 8-G
 PALOS VERDES LANDFILL
 P-DICHLOROBENZENE

ON SITE WELLS: NEAR CRENSHAW BLVD.

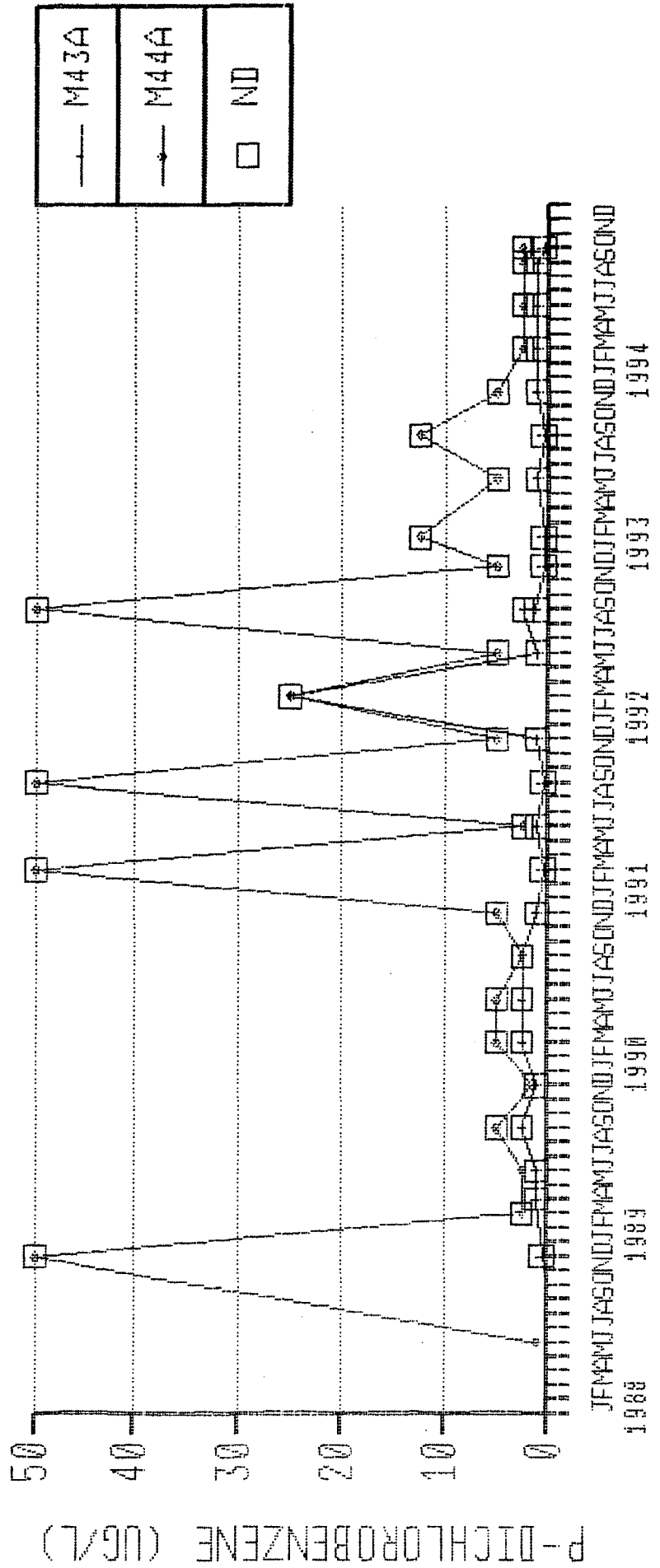


FIGURE 8-H
PALOS VERDES LANDFILL
P-DICHLOROBENZENE
SUMP 7 AND PARCEL 4 SUMP

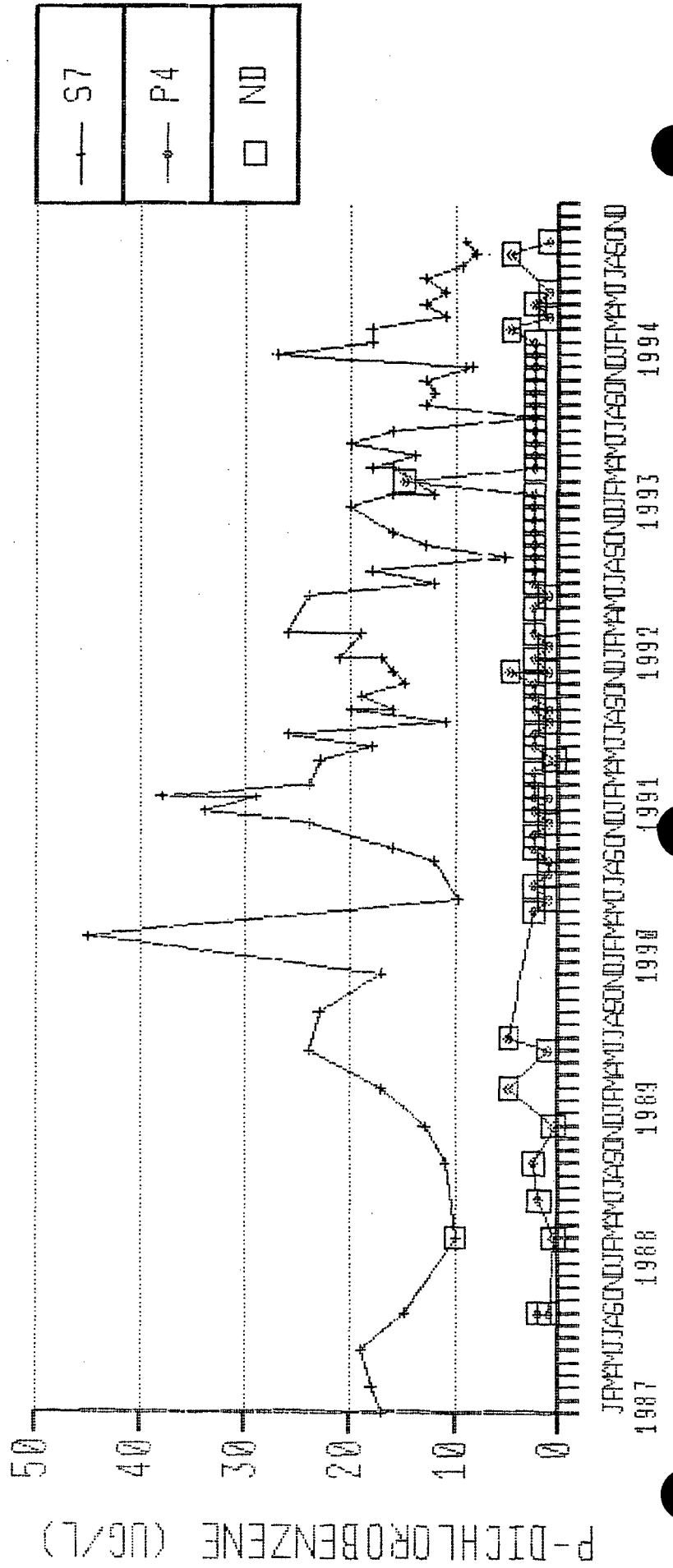


FIGURE 9-A
 PALOS VERDES LANDFILL
 1,1-DICHLOROETHANE
 ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

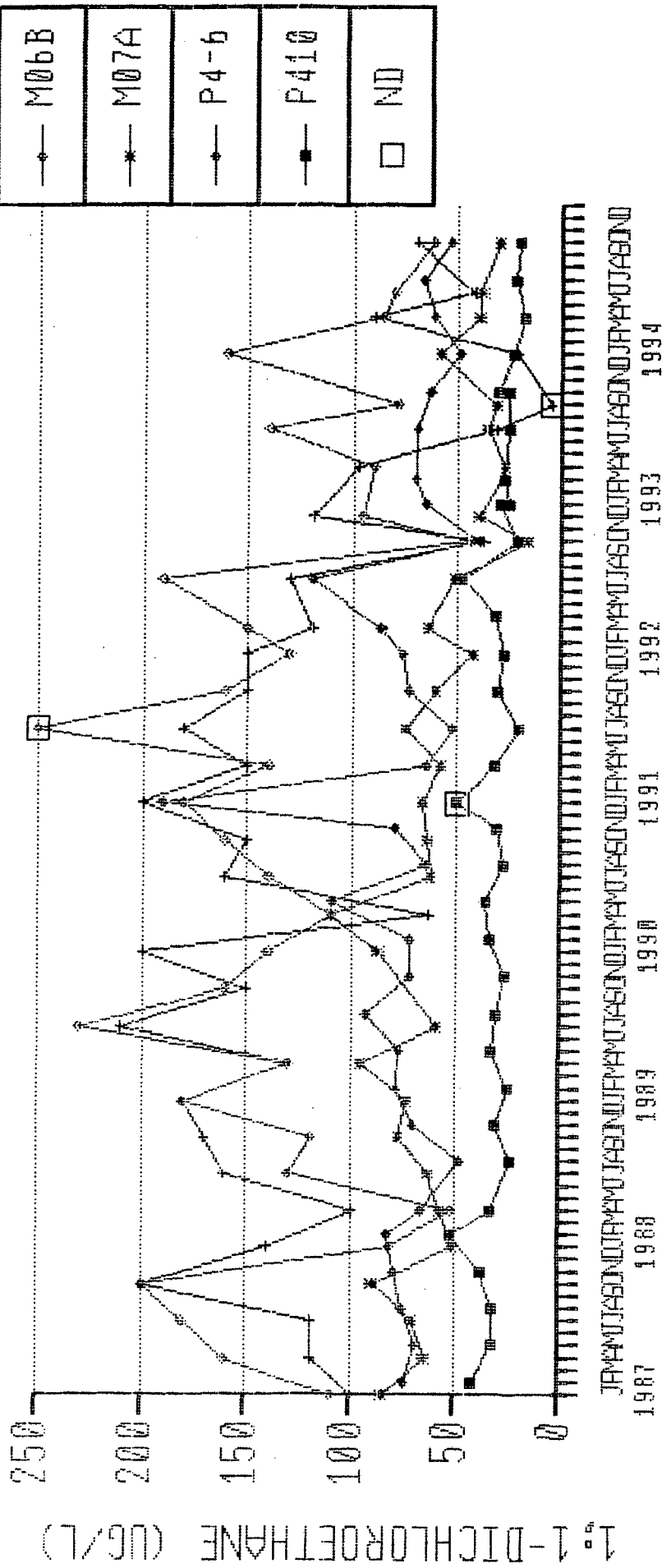


FIGURE 9-C
PALOS VERDES LANDFILL
1,1-DICHLOROETHANE
ON SITE DOWNGRADE WELLS: NORTHEAST BOUNDARY

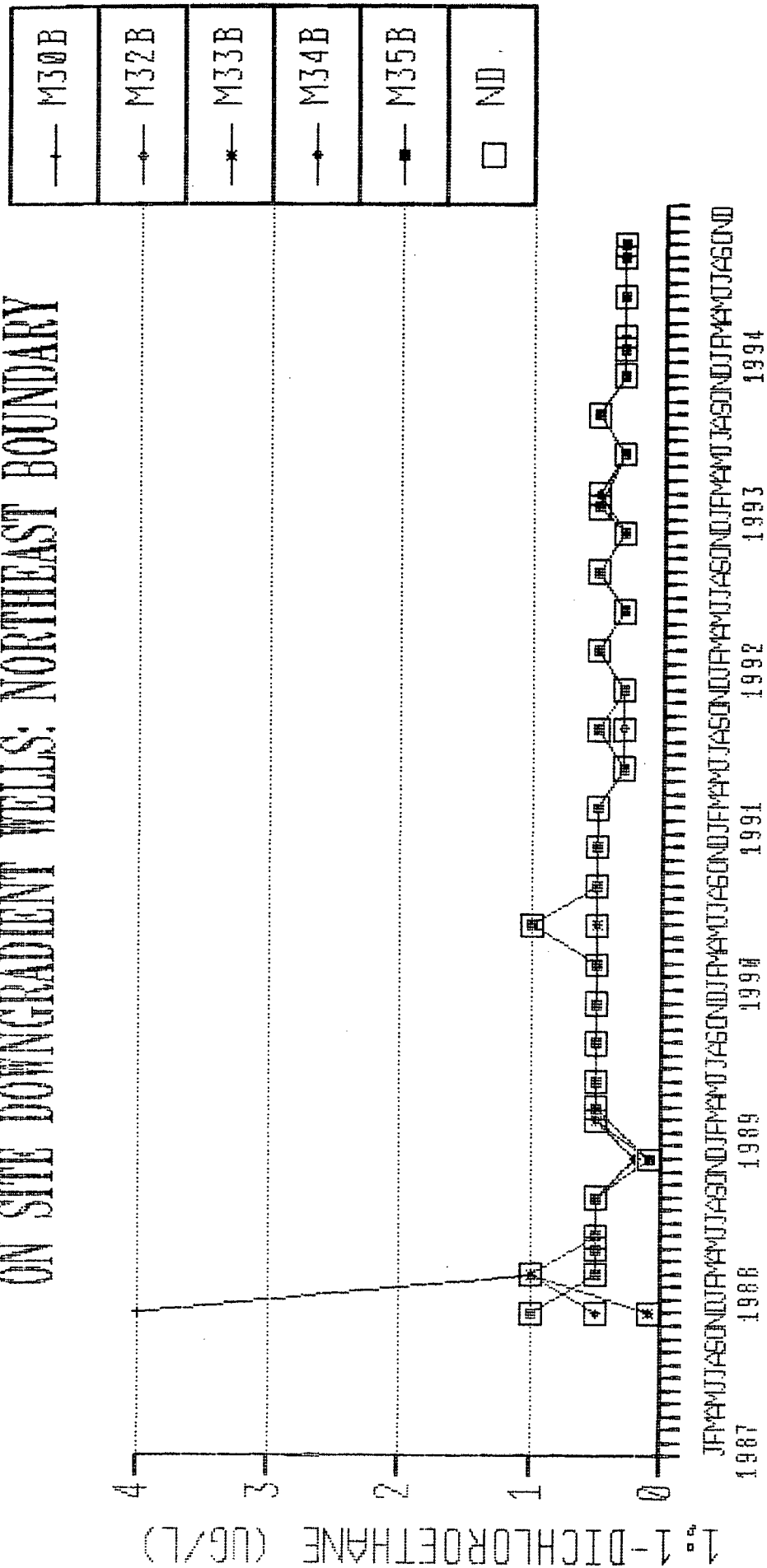


FIGURE 9-D
 PALOS VERDES LANDFILL
 1,1-DICHLOROETHANE

OFF SITE DOWNGRADE WELLS: NORTHEAST BOUNDARY

—+—	M65B
—+—	M66B
—*—	M67B
—•—	M68B
□	ND

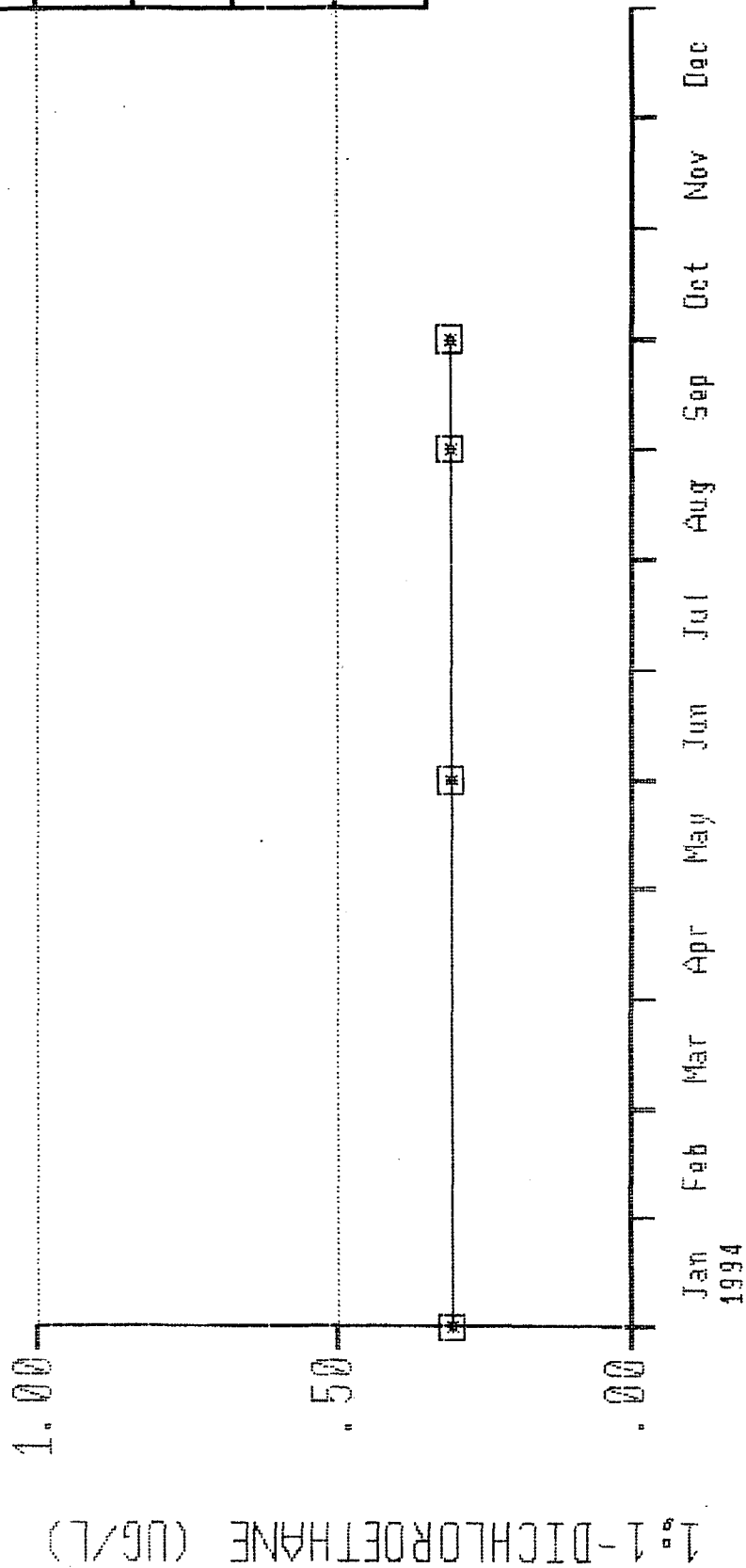
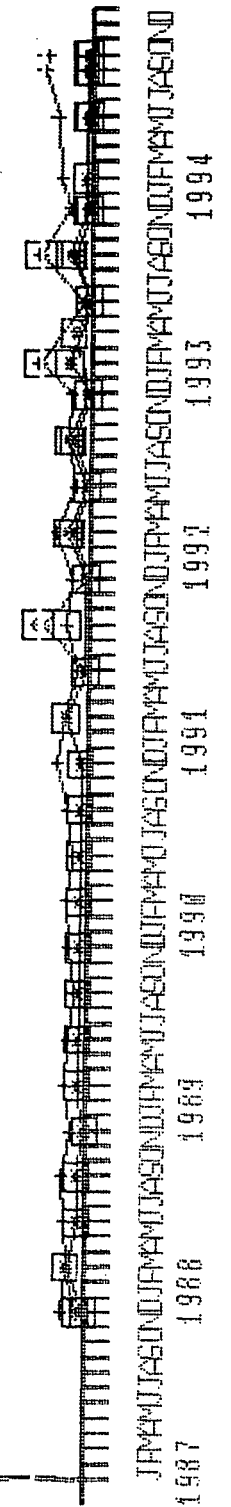
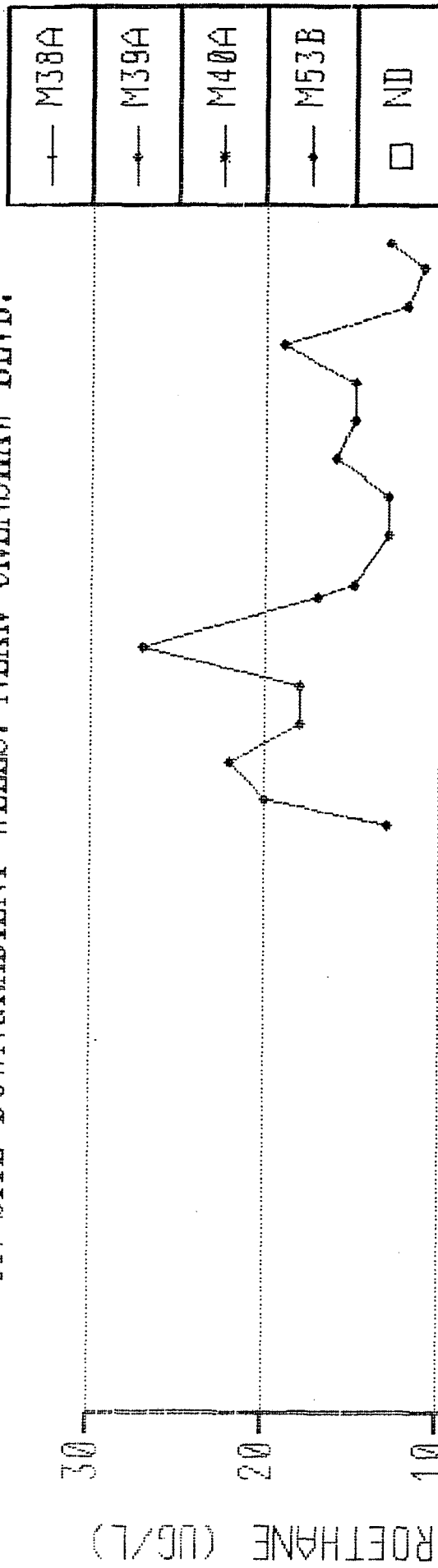


FIGURE 9-E
 PALOS VERDES LANDFILL
 1,1-DICHLOROETHANE

ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



JANUARY 1987
 JANUARY 1988
 JANUARY 1989
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 JANUARY 1992
 JANUARY 1993
 JANUARY 1994

FIGURE 9-F
 PALOS VERDES LANDFILL
 1,1-DICHLOROETHANE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

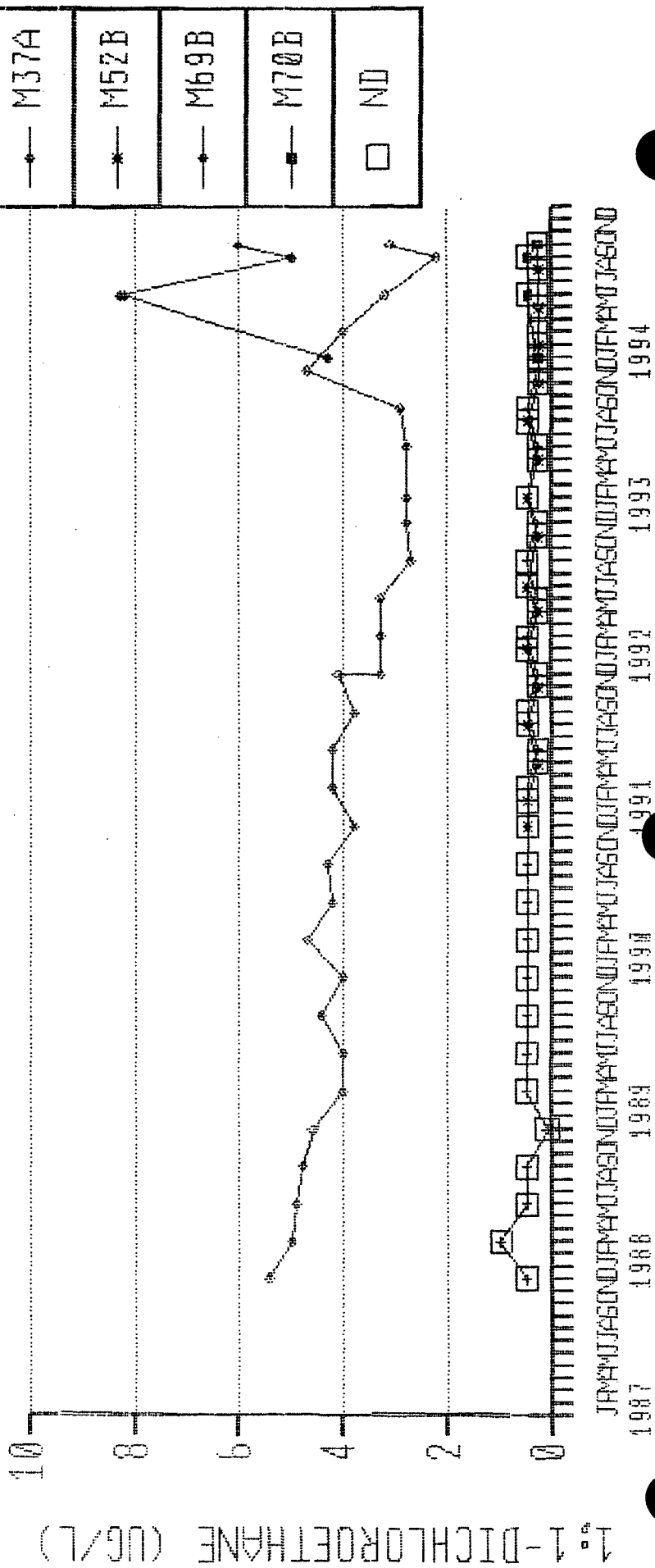
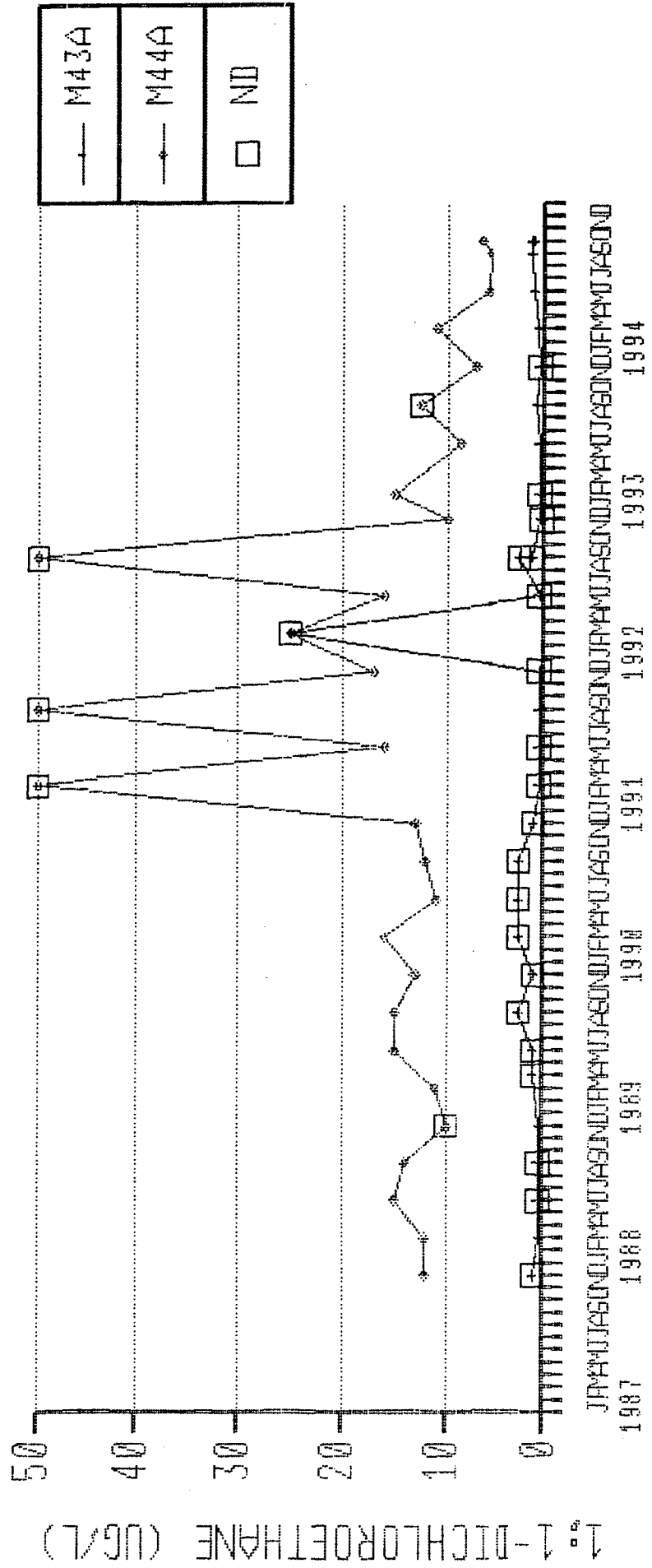
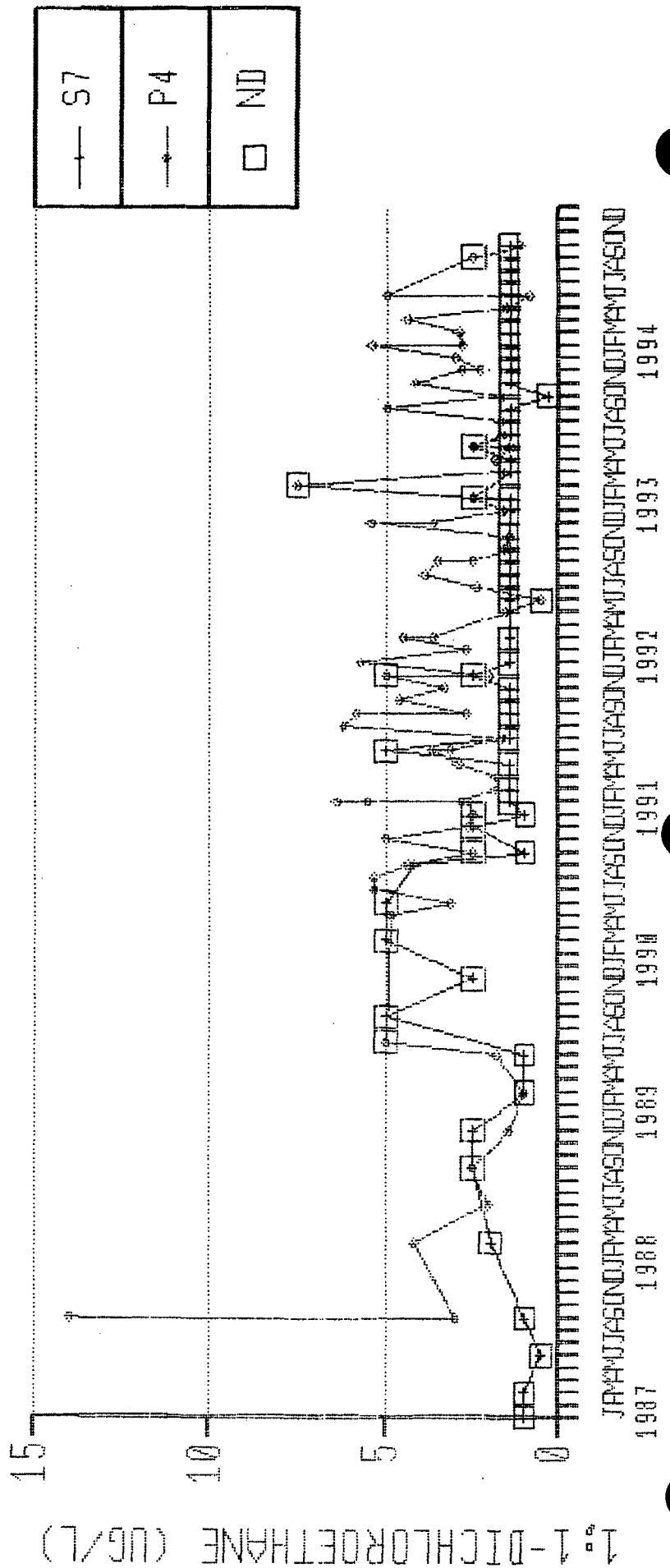


FIGURE 9-G
 PALOS VERDES LANDFILL
 1,1-DICHLOROETHANE
 ON SITE WELLS: NEAR CRENSHAW BLVD.



1,1-DICHLOROETHANE (UG/L)

FIGURE 9-H
PALOS VERDES LANDFILL
1,1-DICHLOROETHANE
SUMP 7 AND PARCEL 4 SUMP



1,1-DICHLOROETHANE (UG/L)

1987 1988 1989 1990 1991 1992 1993 1994
 JAMUJASONDJAMUJASONDJAMUJASONDJAMUJASONDJAMUJASONDJAMUJASONDJAMUJASOND

—■—	S7
-○-	P4
□	ND

FIGURE 10-A
 PALOS VERDES LANDFILL
 1,1,2-TRICHLOROETHANE
 ON SITE DOWNGRADE WELLS: NEAR HAWTHORNE BLVD.

—+—	M06A
—•—	M06B
—*—	M07A
—•—	P4-6
—■—	P410
□	ND

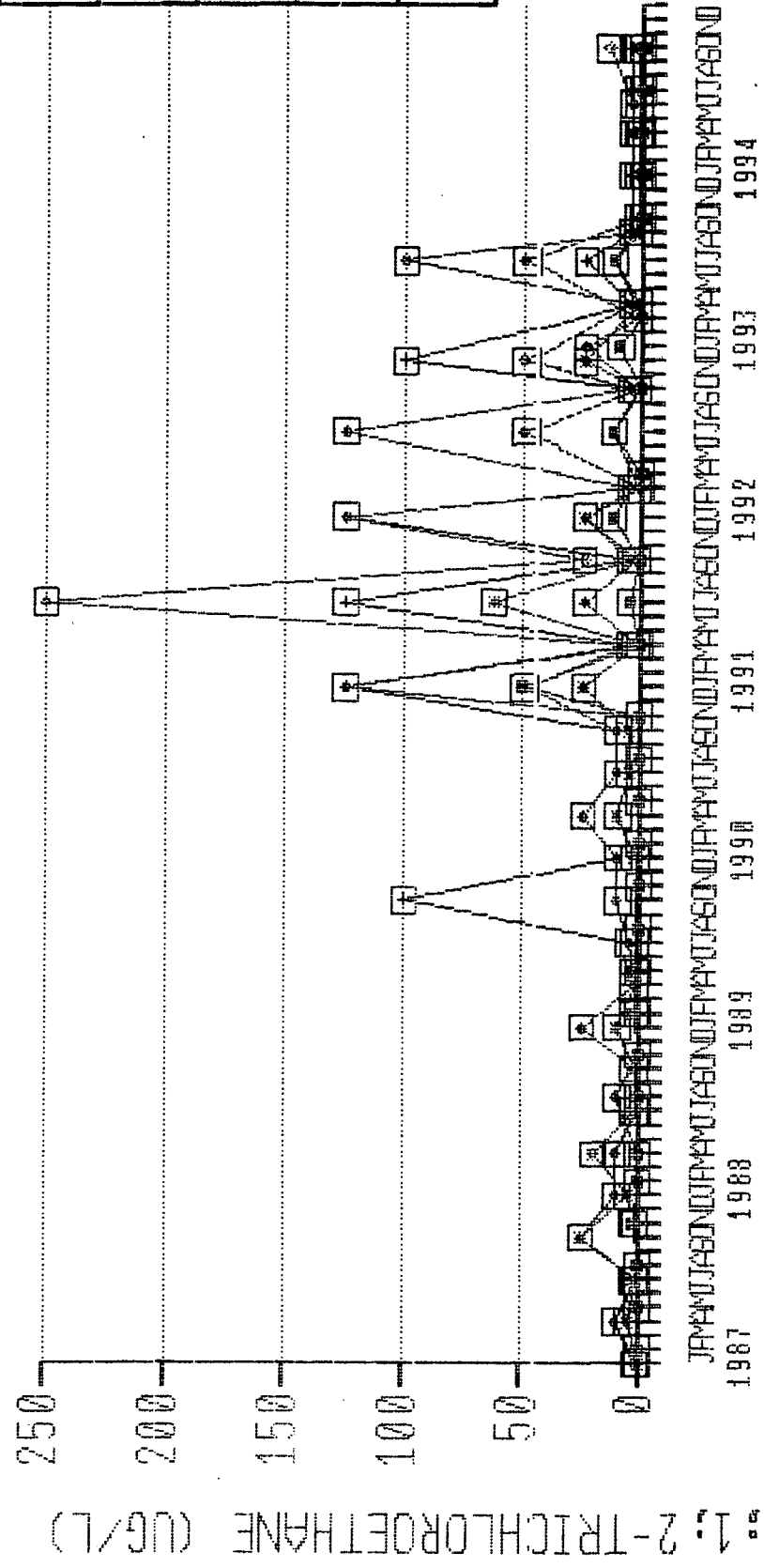
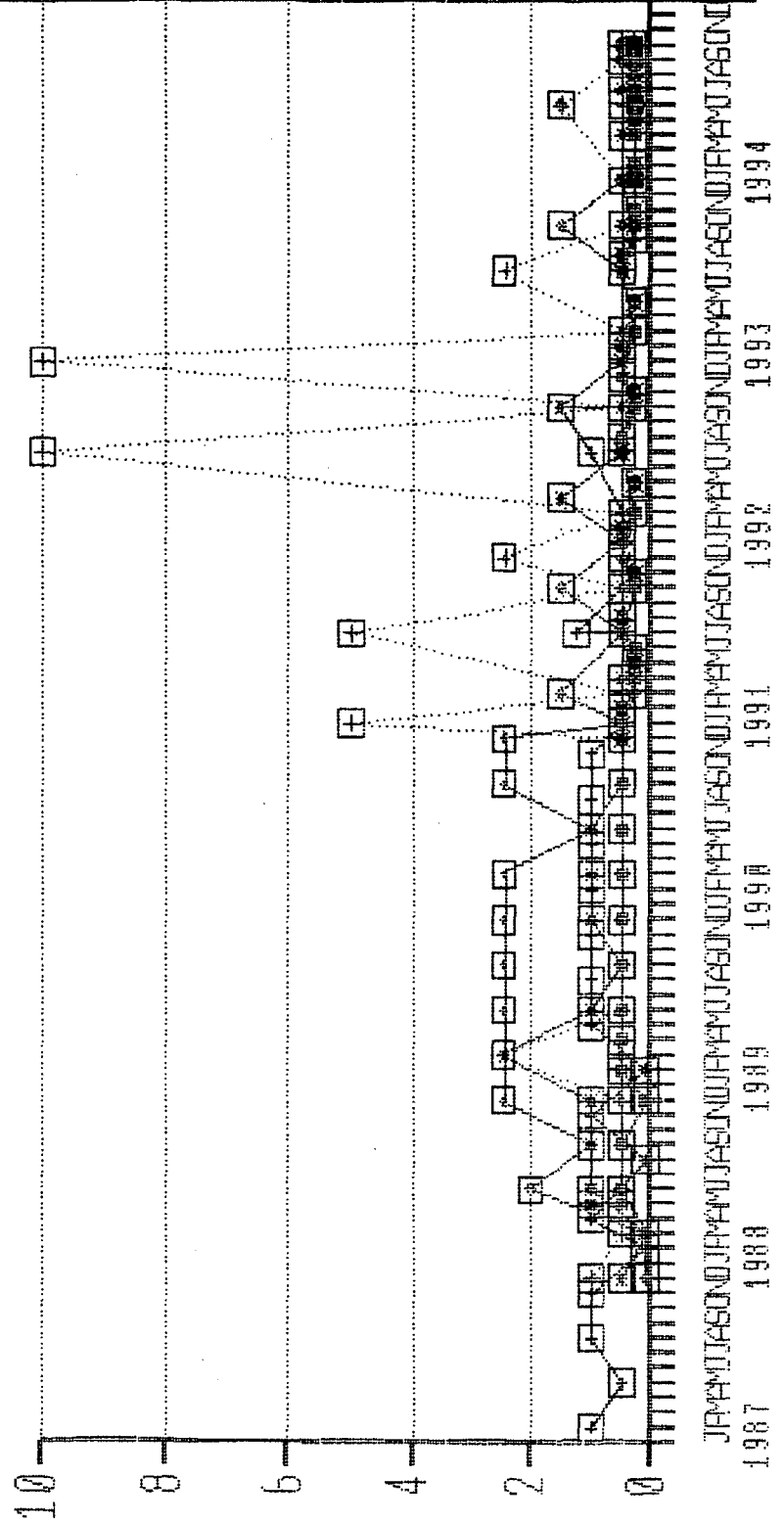


FIGURE 10-B

PVLF

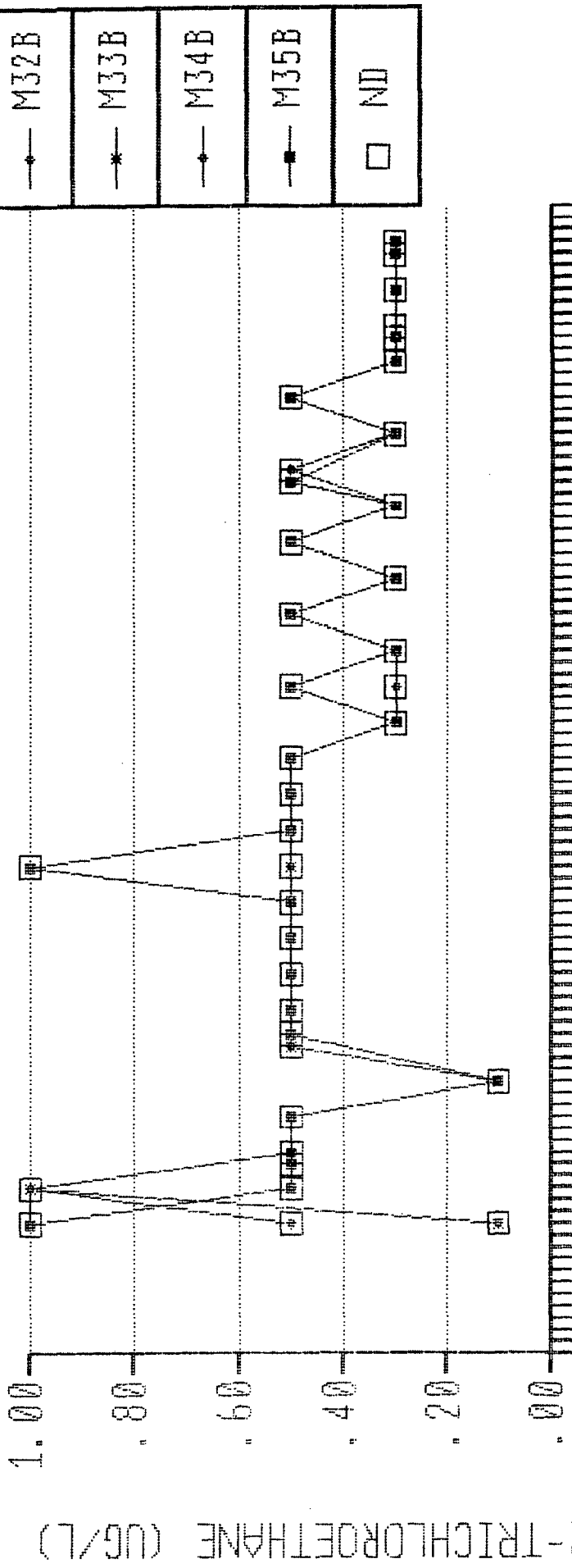
1,1,2-TRICHLOROETHANE

OFF SITE DWINGRANT WELLS: HAWTHORNE BLVD.



1,1,2-TRICHLOROETHANE (UG/L)

FIGURE 10-C
PALOS VERDES LANDFILL
1,1,2-TRICHLOROETHANE
ON SITE DOWNGRADE WELLS: NORTHEAST BOUNDARY



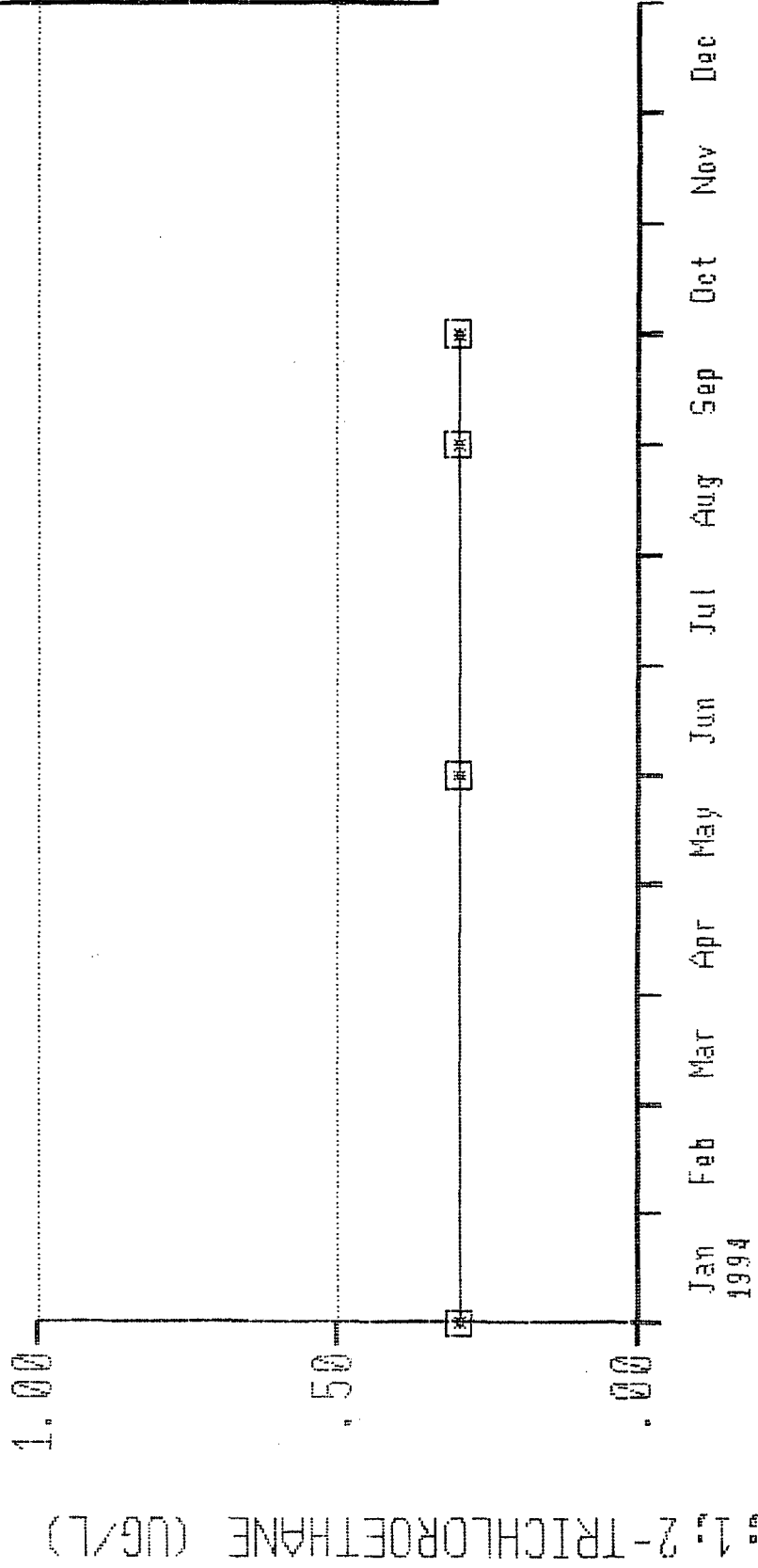
1987 1988 1989 1990 1991 1992 1993 1994
 JAVAVJASNDJAVAVJASNDJAVAVJASNDJAVAVJASNDJAVAVJASNDJAVAVJASNDJAVAVJASNDJAVAVJASNDJAVAVJASND

1,1,2-TRICHLOROETHANE (UG/L)

FIGURE 10-D

PALOS VERDES LANDFILL 1,1,2-TRICHLOROETHANE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

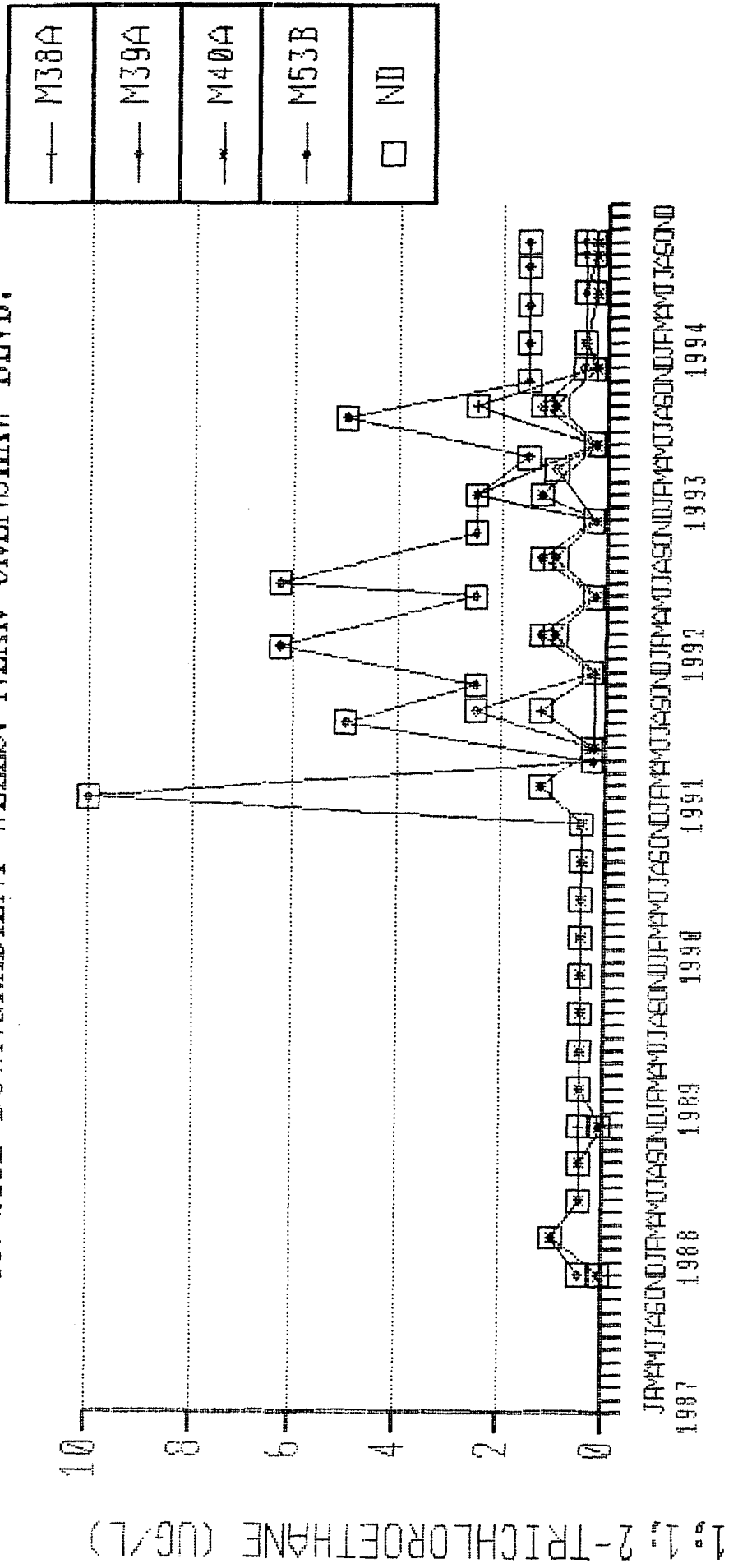


—+—	M65B
—•—	M66B
—*—	M67B
—•—	M68B
□	ND

1,1,2-TRICHLOROETHANE (UG/L)

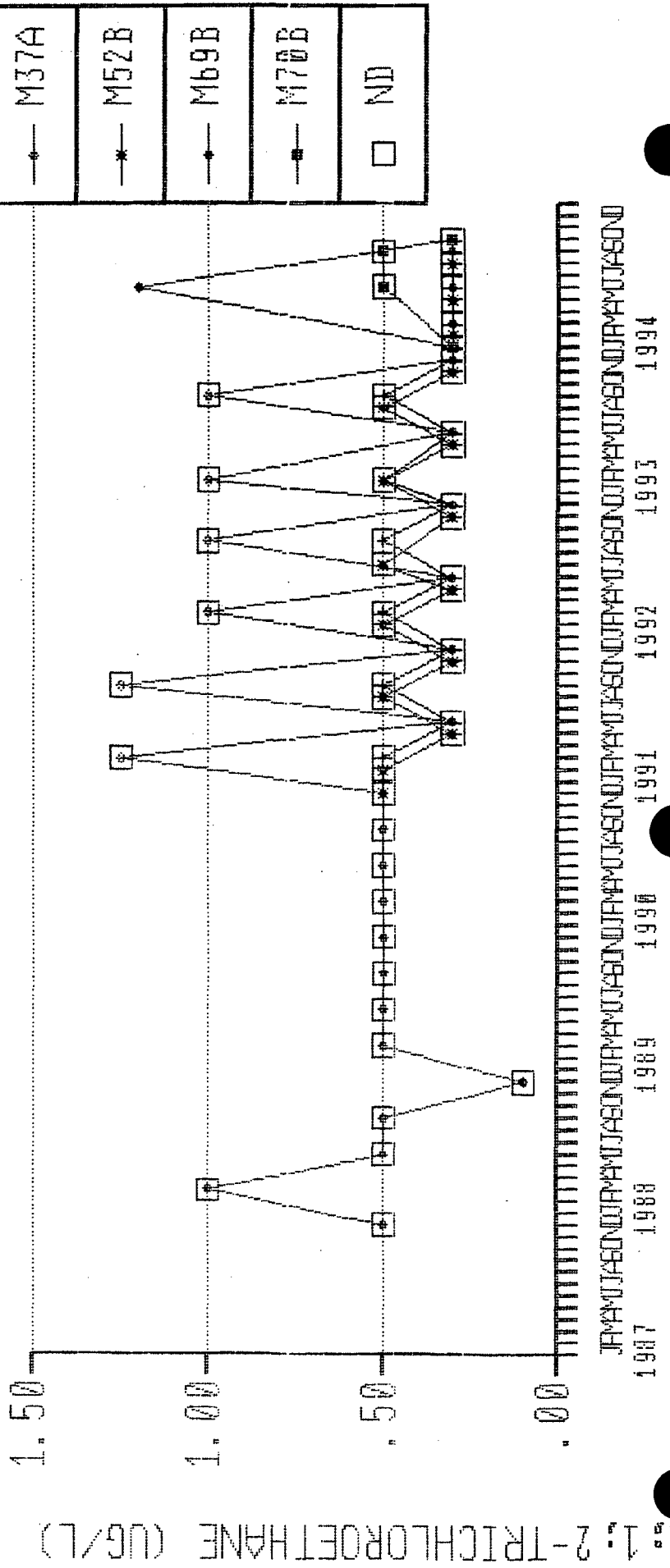
FIGURE 10-E
 PALOS VERDES LANDFILL
 1,1,2-TRICHLOROETHANE

ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



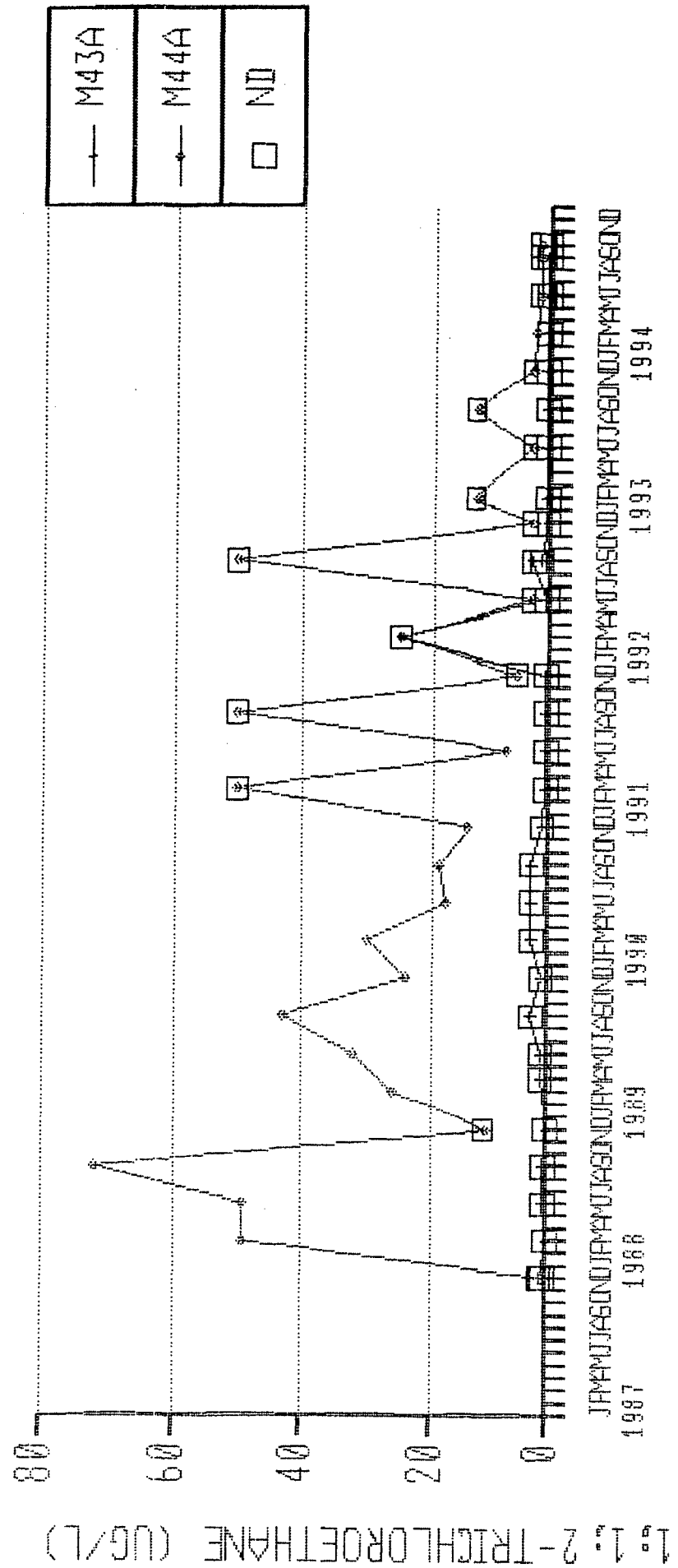
**FIGURE 10-F
PALOS VERDES LANDFILL
1,1,2-TRICHLOROETHANE**

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1,1,2-TRICHLOROETHANE (UG/L)

FIGURE 10-G
 PALOS VERDES LANDFILL
 1,1,2-TRICHLOROETHANE
 ON SITE WELLS: NEAR CRENSHAW BLVD.



1,1,2-TRICHLOROETHANE (UG/L)

FIGURE 10-H
 PALOS VERDES LANDFILL
 1,1,2-TRICHLOROETHANE
 SUMP 7 AND PARCEL 4 SUMP

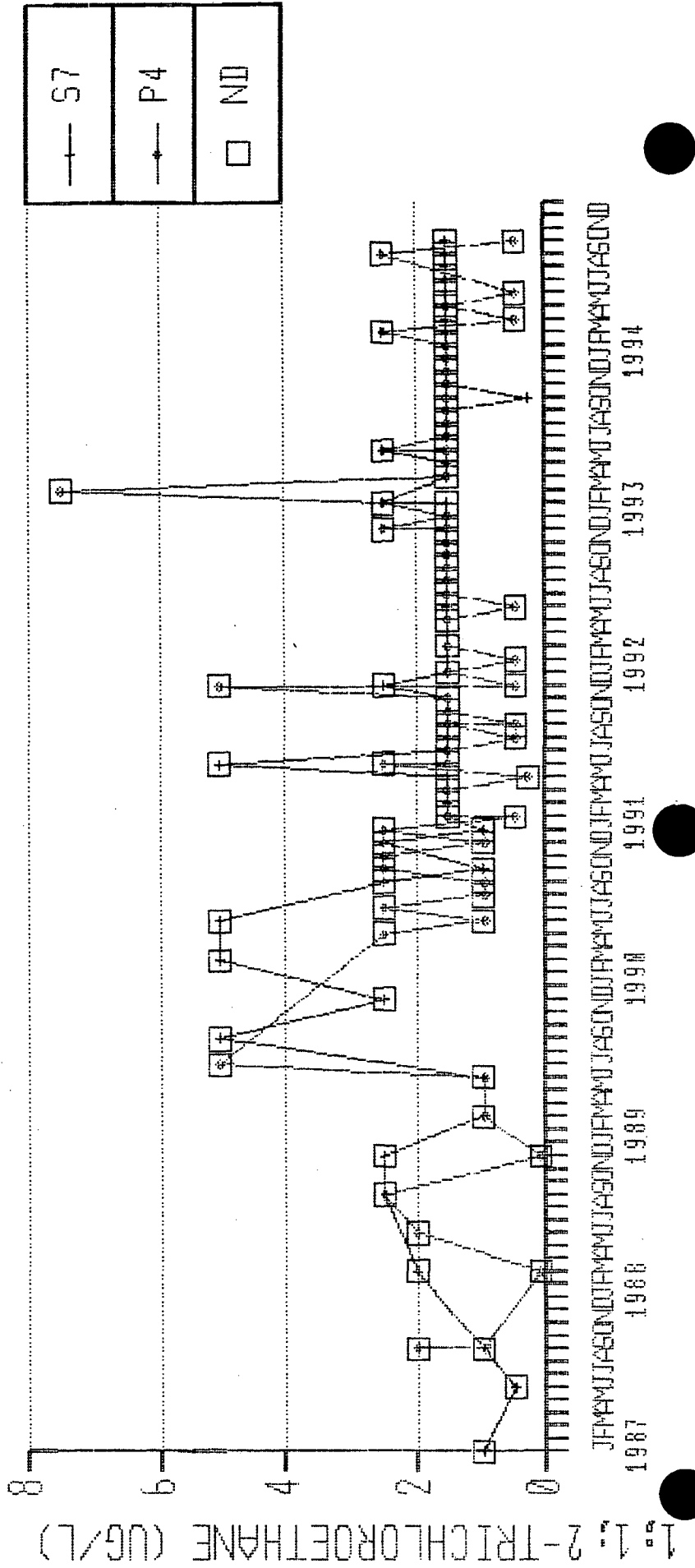


FIGURE 11-A
 PALOS VERDES LANDFILL
 1,2-DICHLOROETHANE

ON SITE DOWNGRADE WELLS: NEAR HAWTHORNE BLVD.

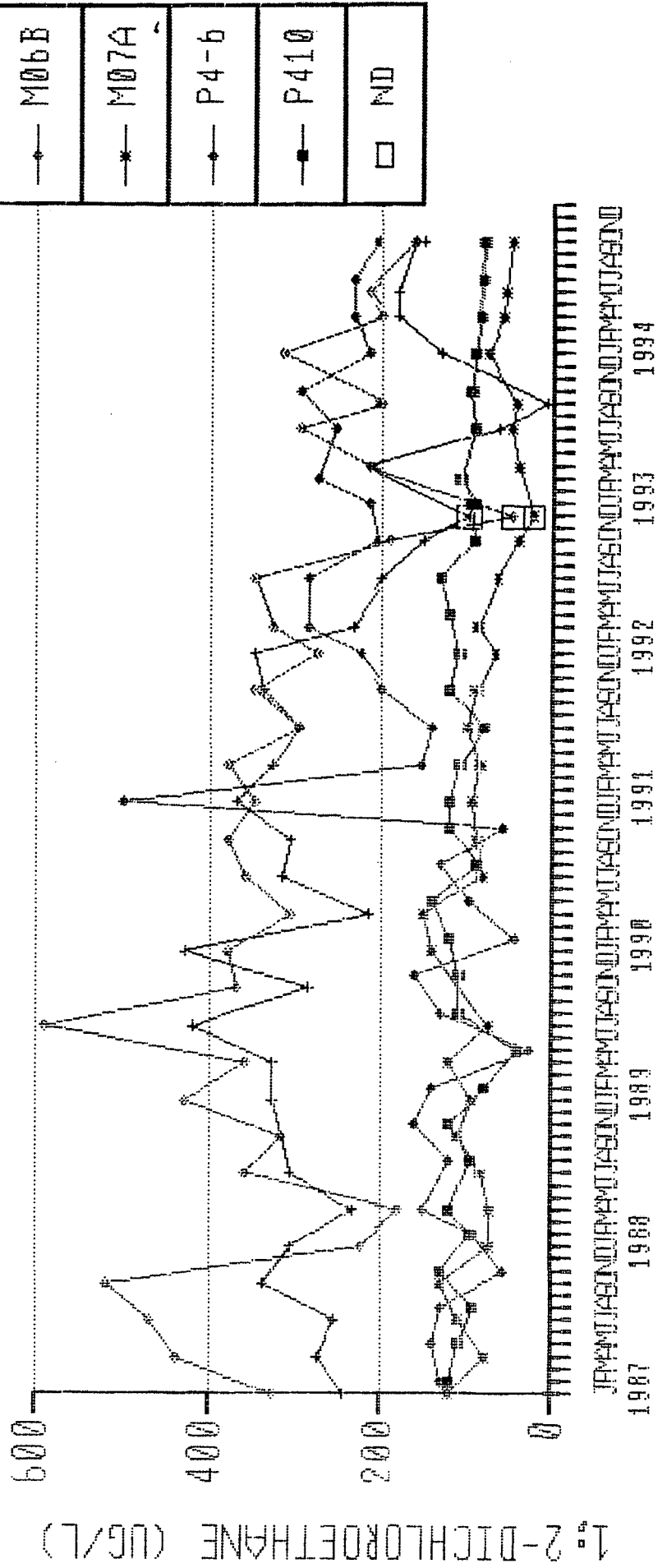
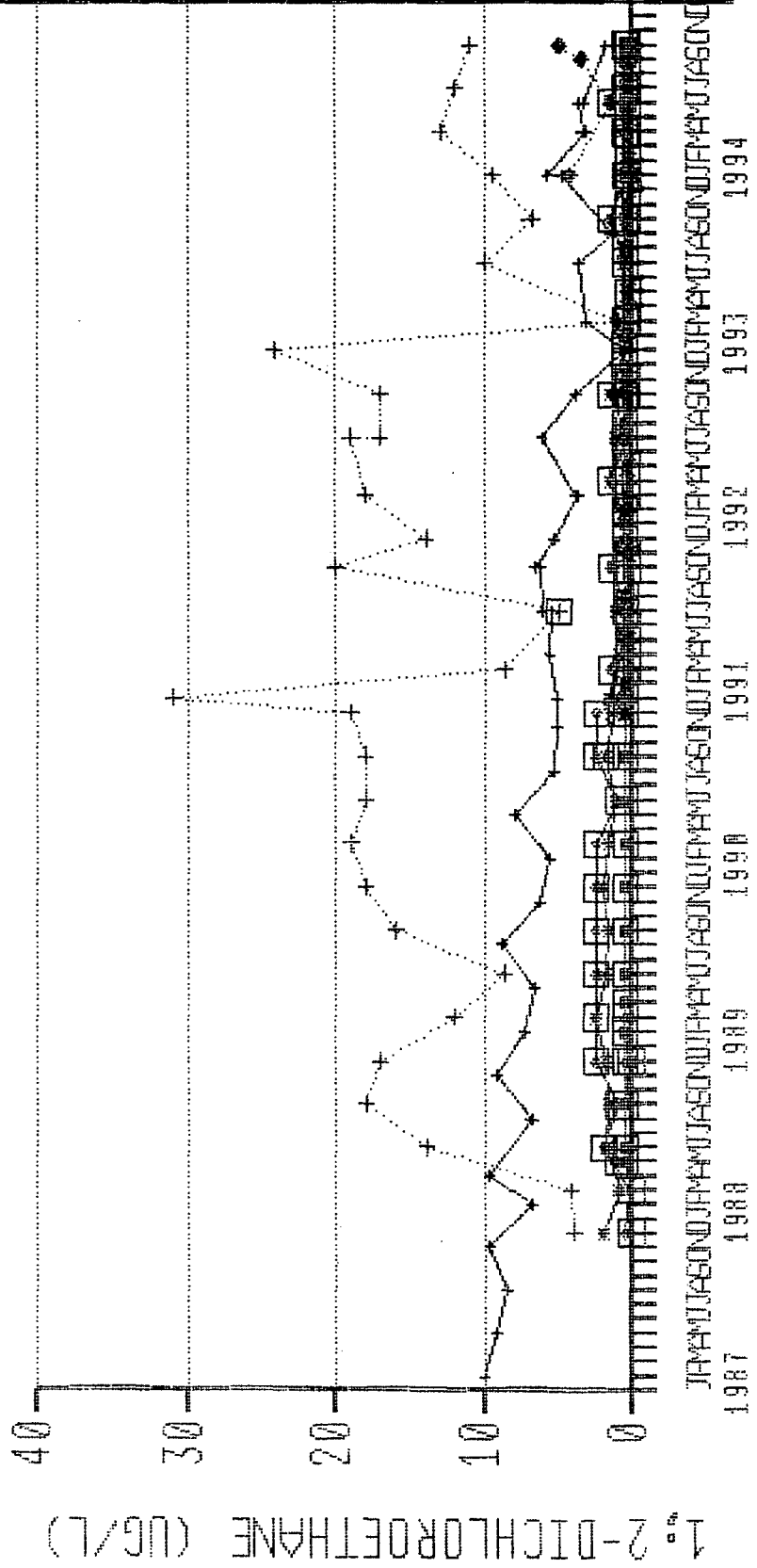


FIGURE 11-B

PVLF

1,2-DICHLOROETHANE

OFF SITE DWINGRINT WELLS: HAWTHORNE BLVD.



1,2-DICHLOROETHANE (UG/L)

FIGURE 11-C
 PALOS VERDES LANDFILL
 1,2-DICHLOROETHANE
 ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

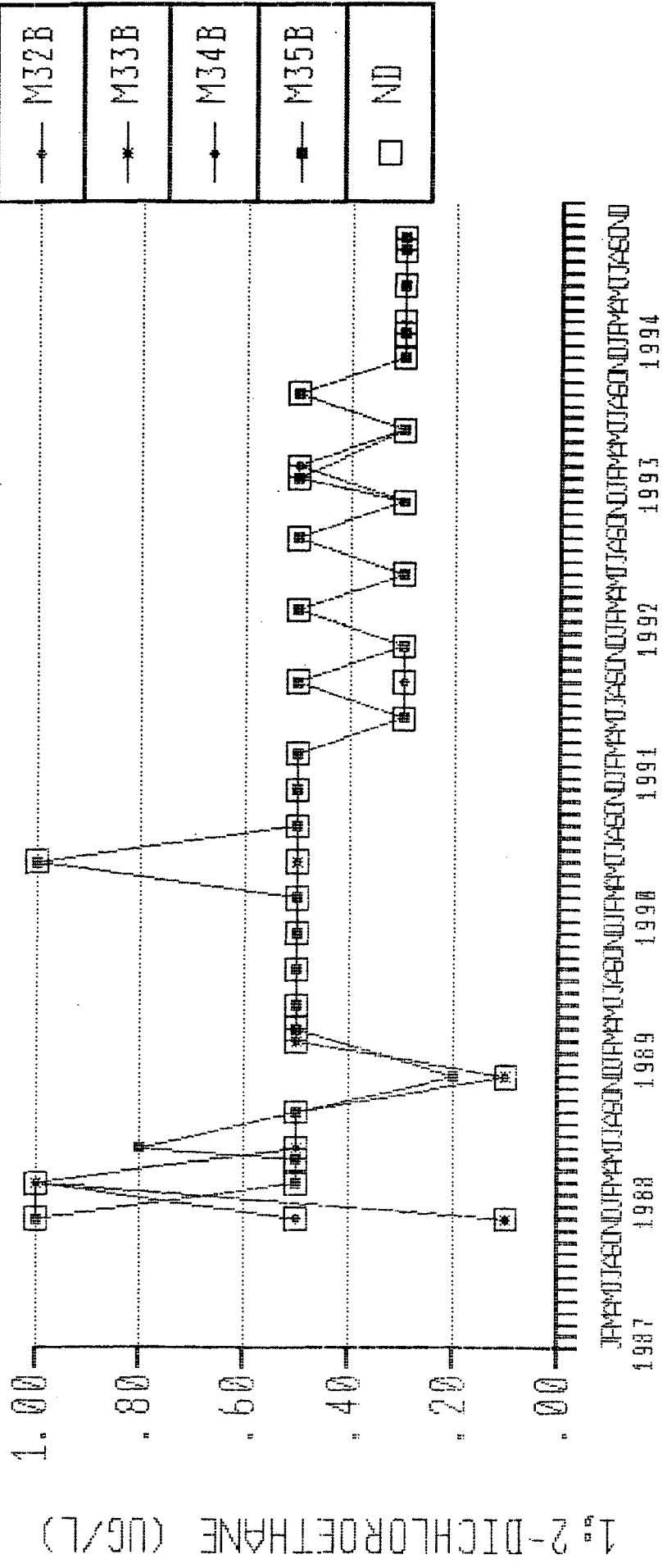


FIGURE 11-D
PALOS VERDES LANDFILL
1,2-DICHLOROETHANE
OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M65B
—•—	M66B
—*—	M67B
—◊—	M68B
□	ND

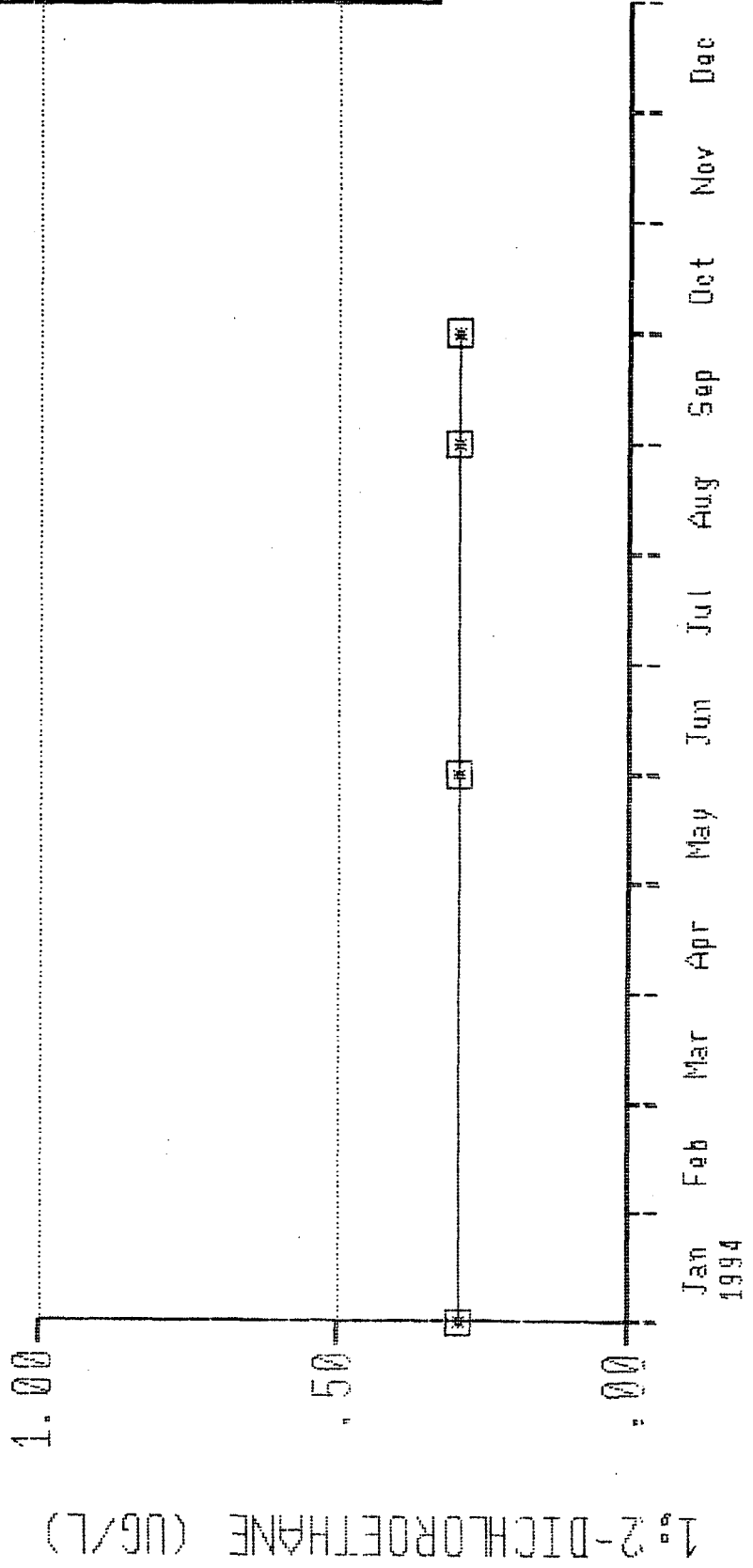


FIGURE 11-E
 PALOS VERDES LANDFILL
 1,2-DICHLOROETHANE
 ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M38A
—•—	M39A
—*—	M40A
—•—	M53B
□	ND

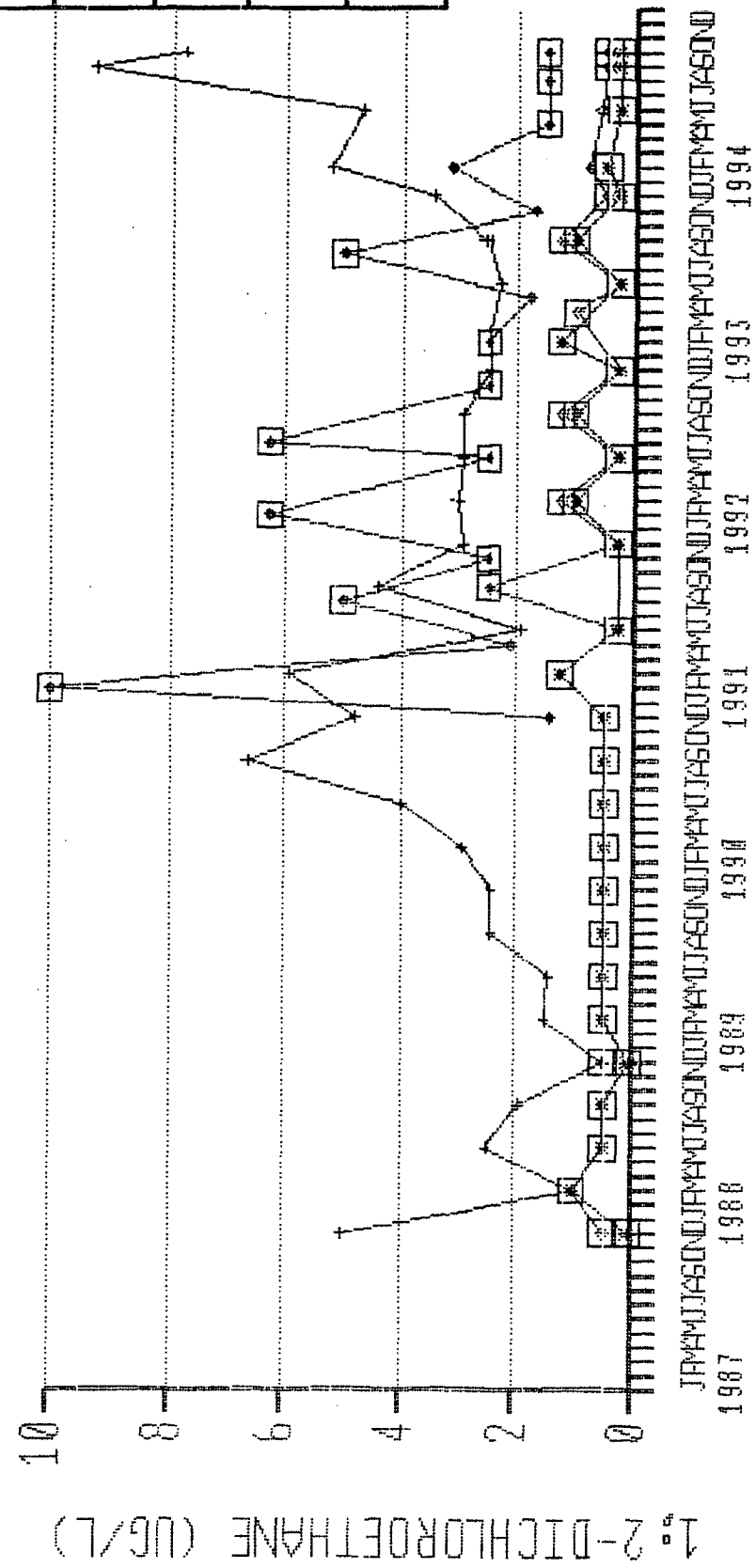
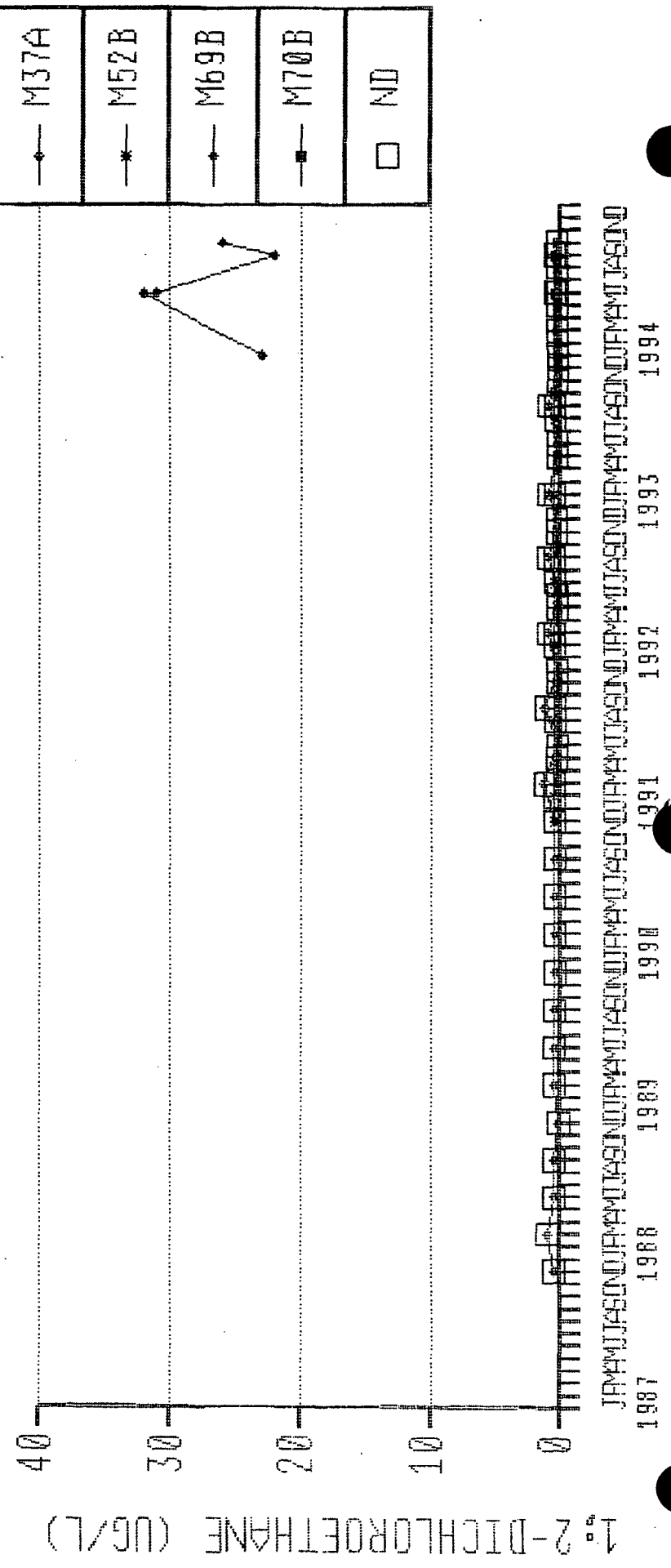


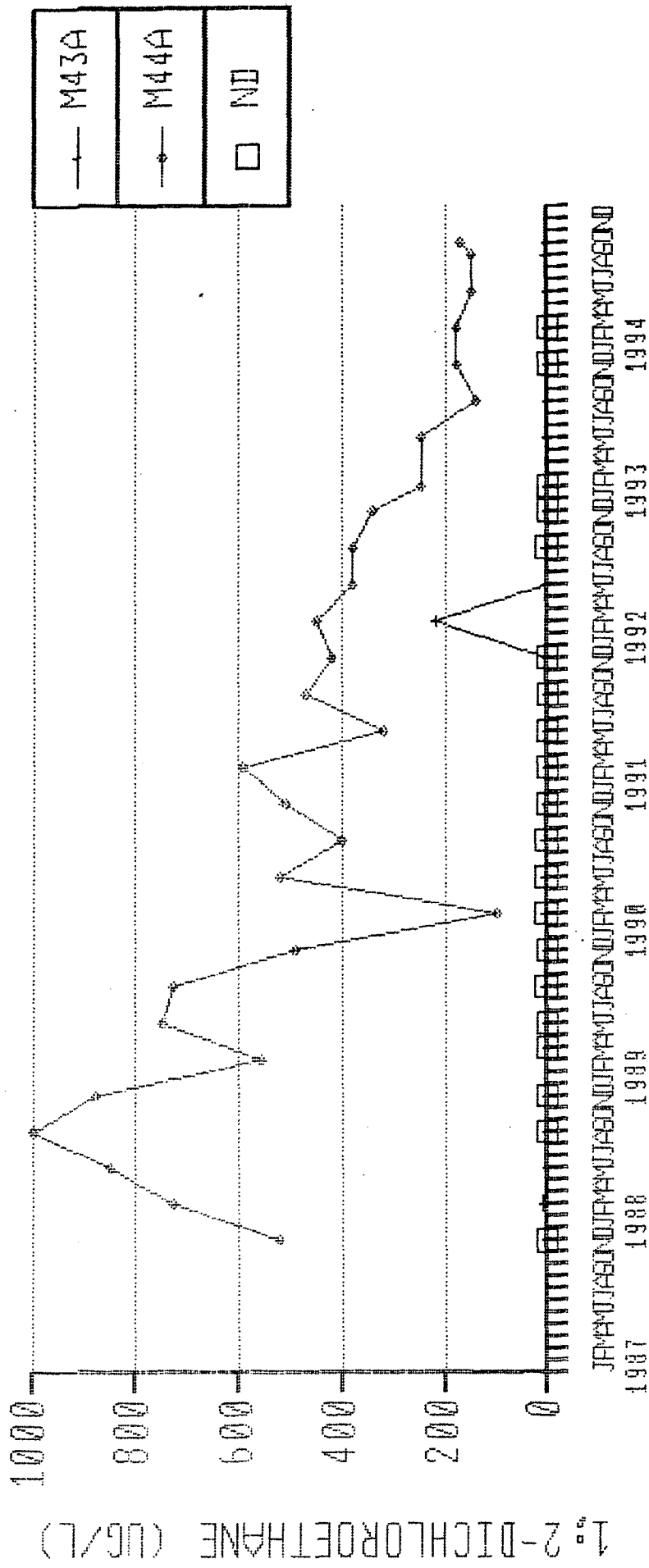
FIGURE 11-F
 PALOS VERDES LANDFILL
 1,2-DICHLOROETHANE
 OFF SITE DOWNGRADIENT WELLS; NEAR CRENSHAW BLVD.



1,2-DICHLOROETHANE (UG/L)

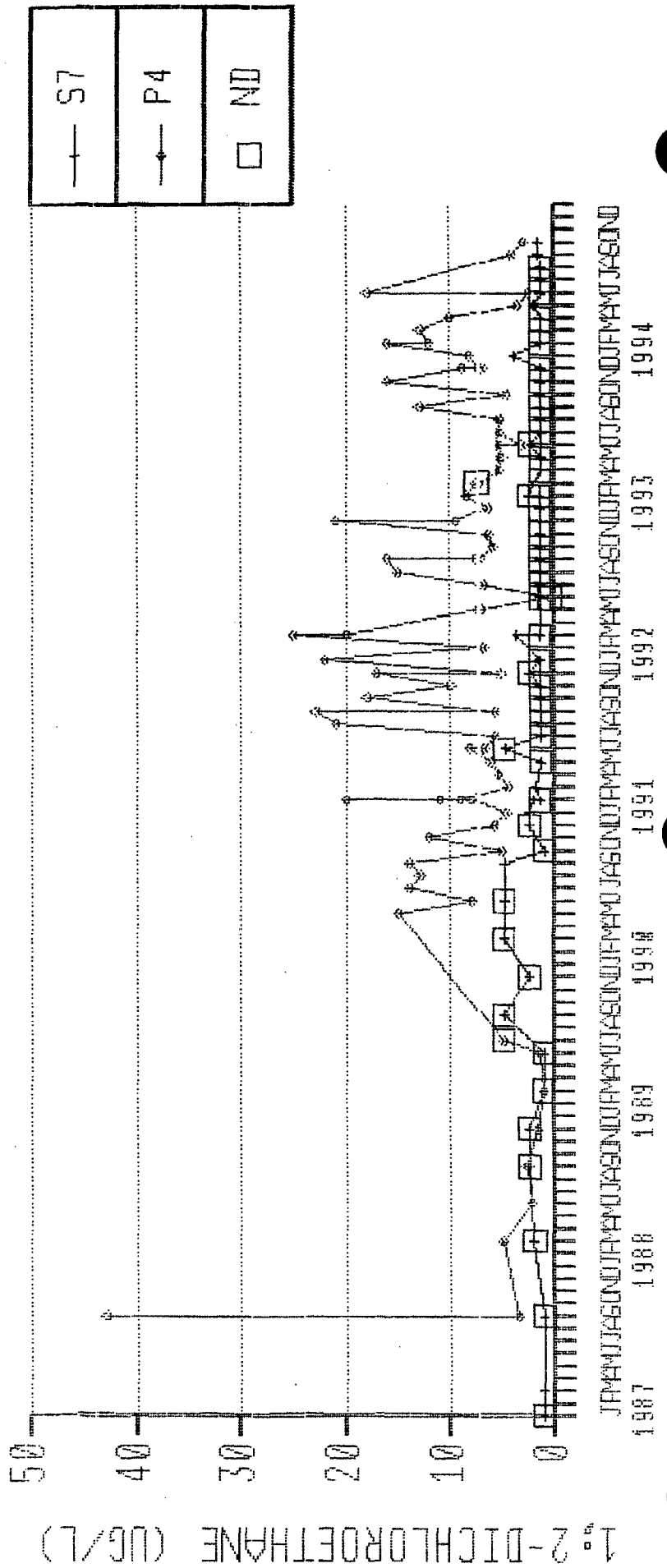
1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 11-G
 PALOS VERDES LANDFILL
 1,2-DICHLOROETHANE
 ON SITE WELLS: NEAR CRENSHAW BLVD.



1,2-DICHLOROETHANE (UG/L)

FIGURE 11-H
PALOS VERDES LANDFILL
1,2-DICHLOROETHANE
SUMP 7 AND PARCEL 4 SUMP



1,2-DICHLOROETHANE (UG/L)

1987 1988 1989 1990 1991 1992 1993 1994
 JPMNJASNDJPMNJASNDJPMNJASNDJPMNJASNDJPMNJASNDJPMNJASNDJPMNJASNDJPMNJASNDJPMNJASND

FIGURE 12-A
PALOS VERDES LANDFILL
BENZENE
ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

—+—	M06A
—●—	M06B
—*—	M07A
—◆—	P4-b
—■—	P410
□	ND

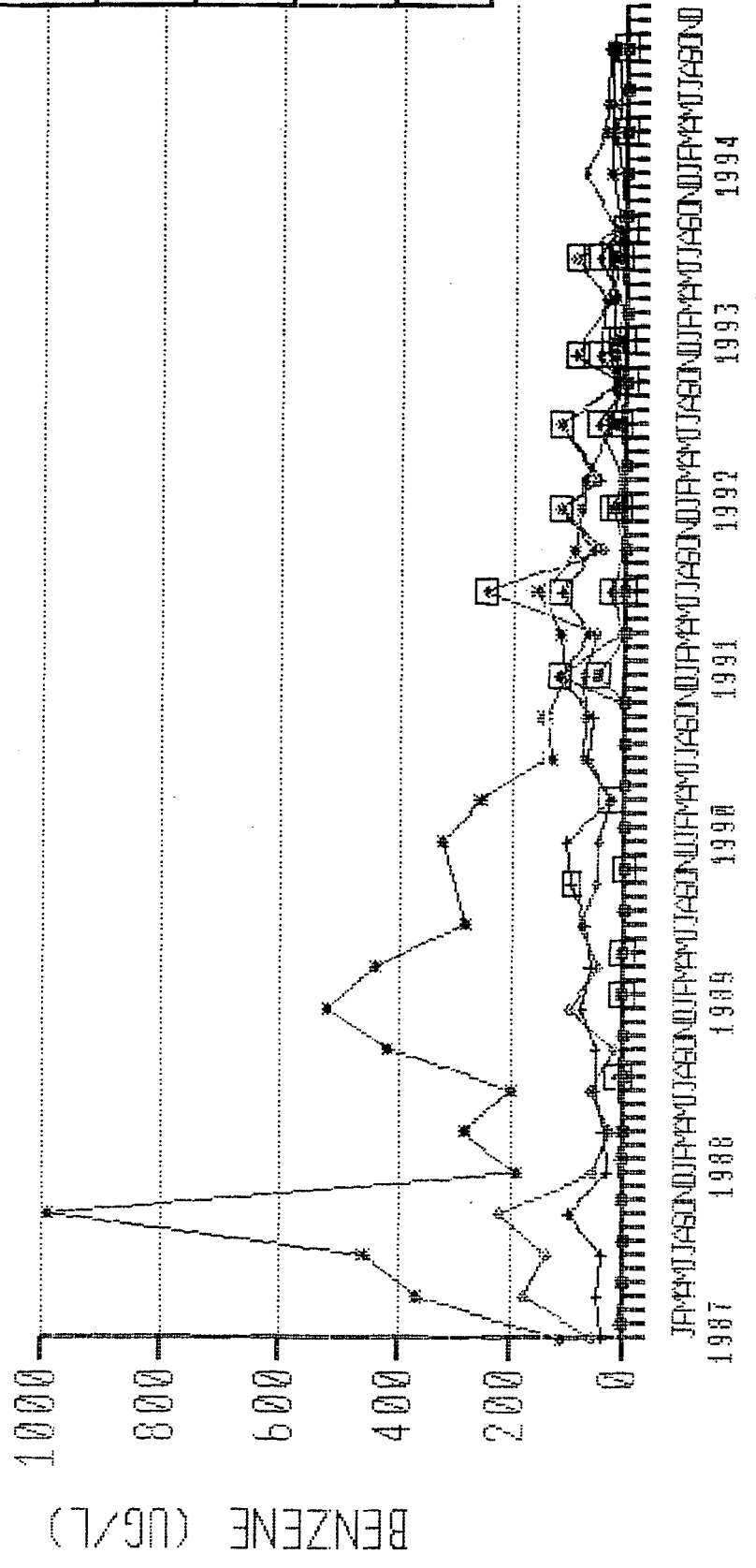


FIGURE 12-D
 PALOS VERDES LANDFILL

BENZENE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M65B
—•—	M66B
—*—	M67B
—•—	M68B
□	ND

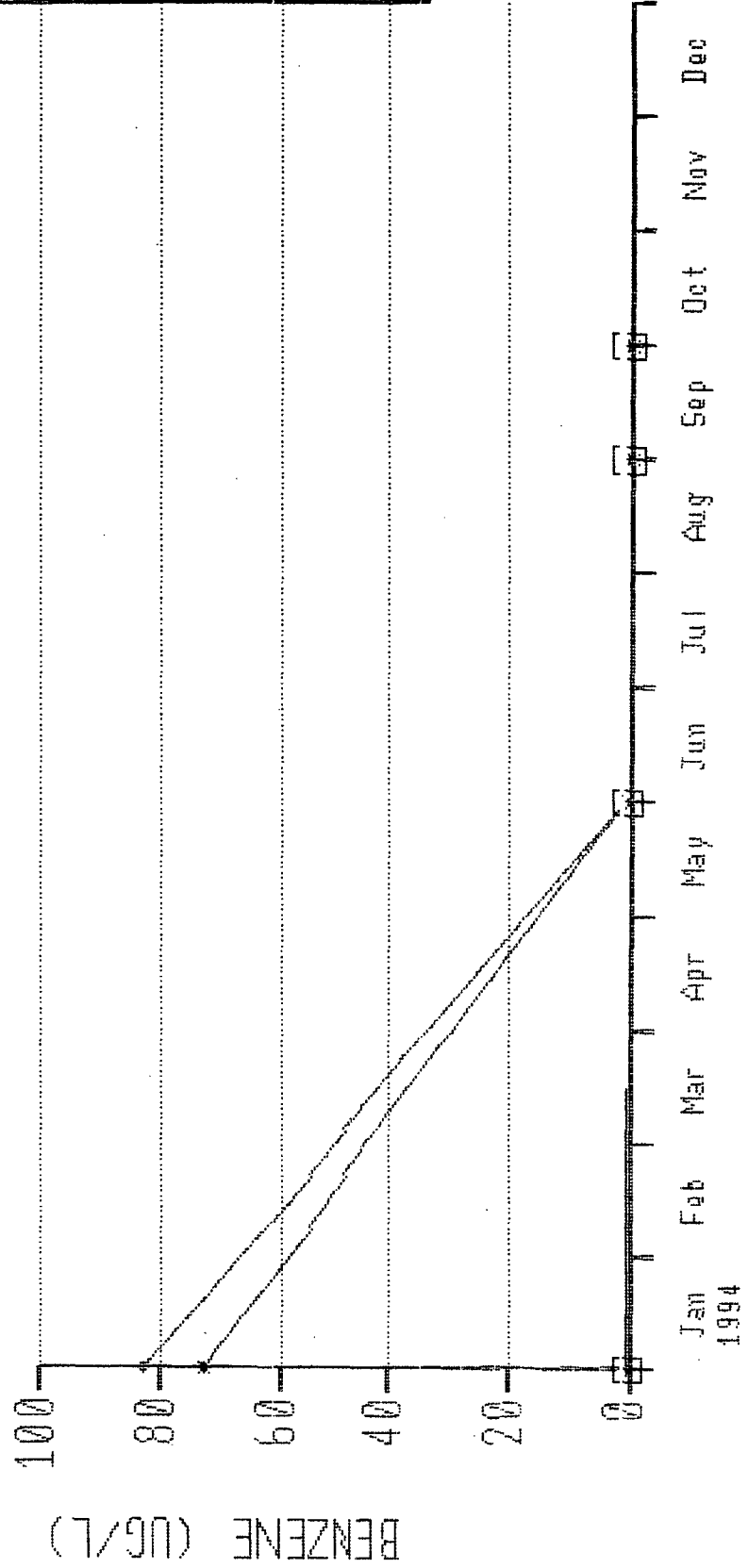


FIGURE 12-E
 PALOS VERDES LANDFILL
 BENZENE
 ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M38A
—●—	M39A
—*—	M40A
—▲—	M53B
□	ND

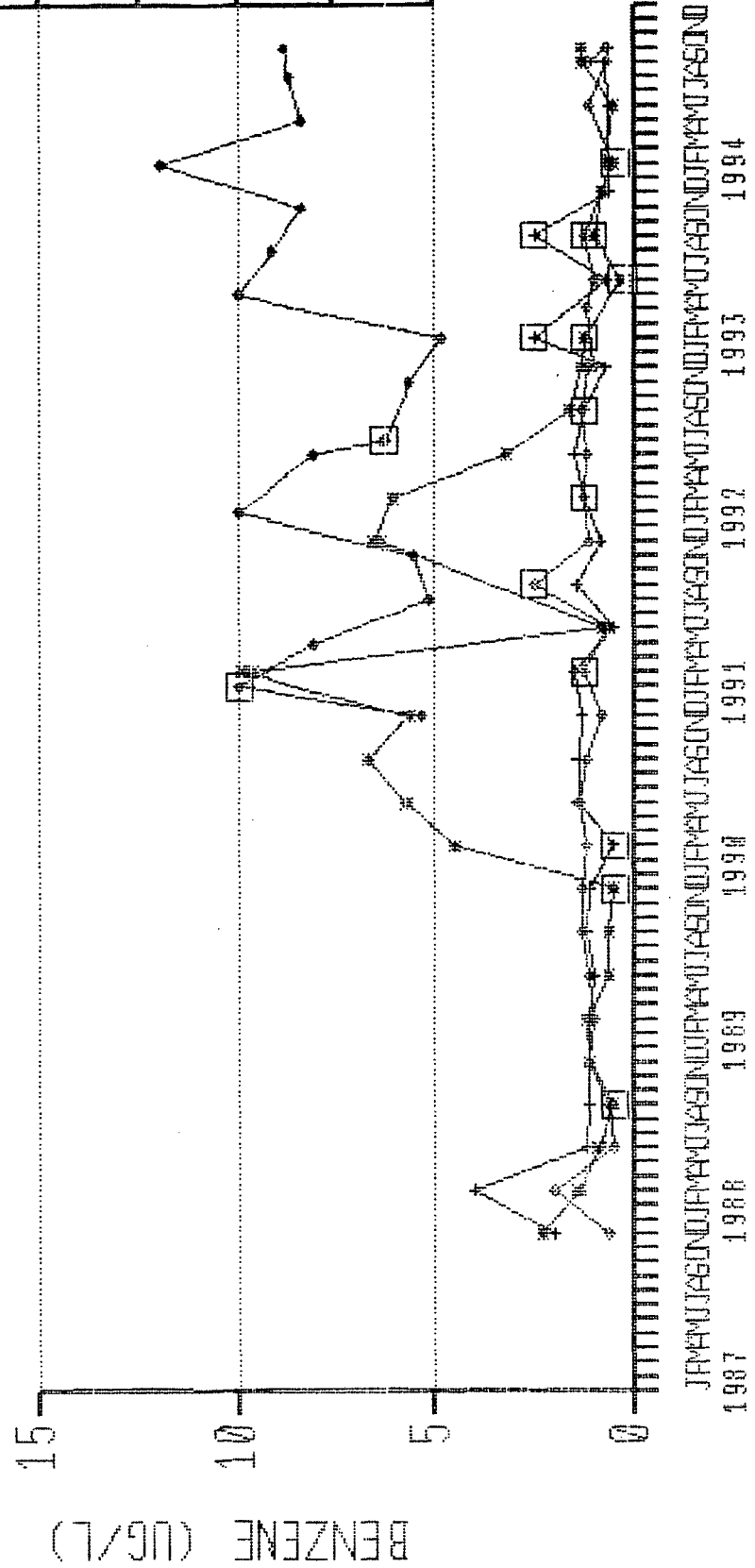
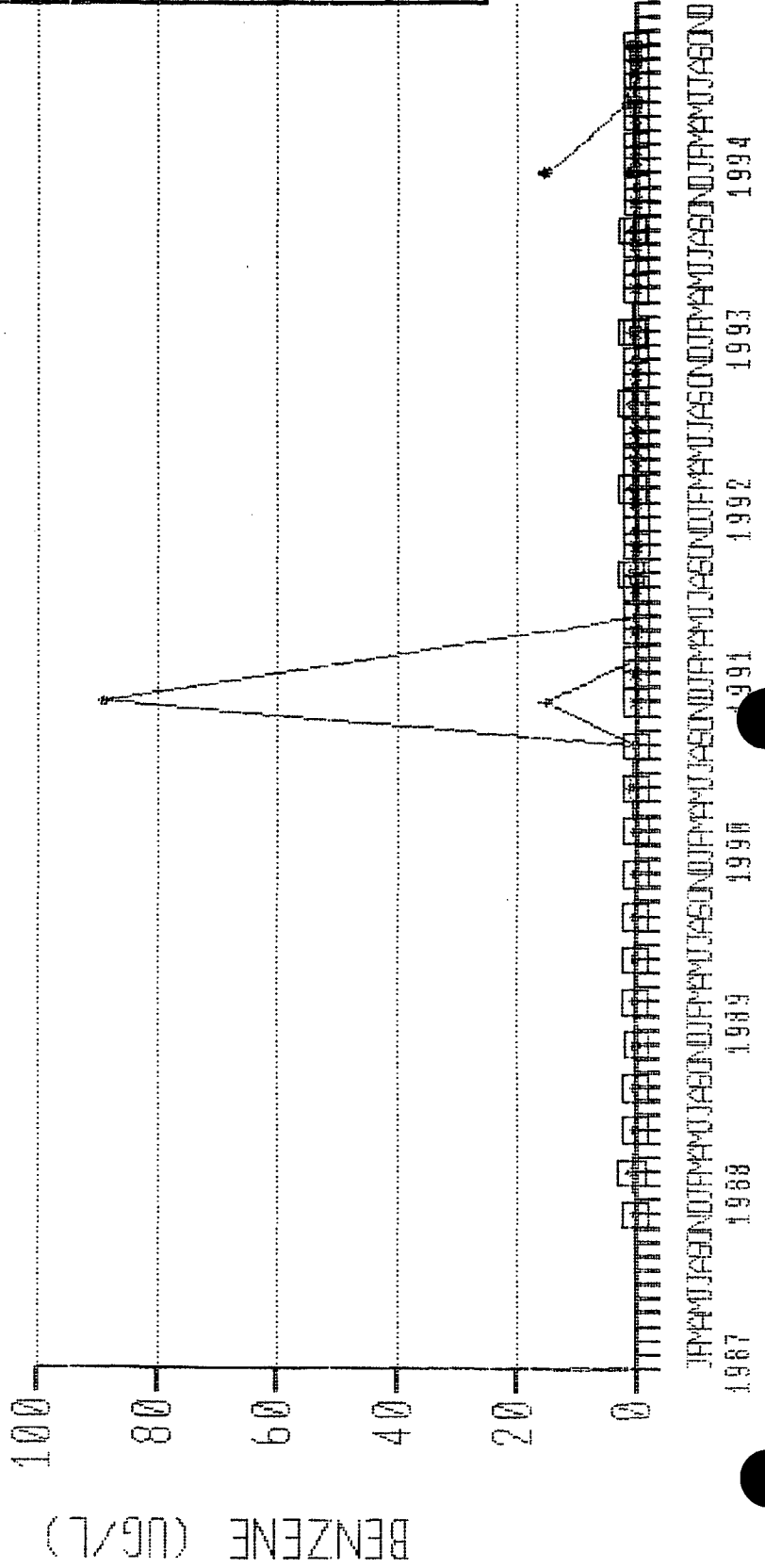


FIGURE 12-F
 PALOS VERDES LANDFILL
 BRVZENE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M36A
—•—	M37A
—*—	M52B
—•—	M69B
—■—	M70B
□	ND



1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 12-G
 PALOS VERDES LANDFILL

BENZENE

ON SITE WELLS: NEAR CRENSHAW BLVD.

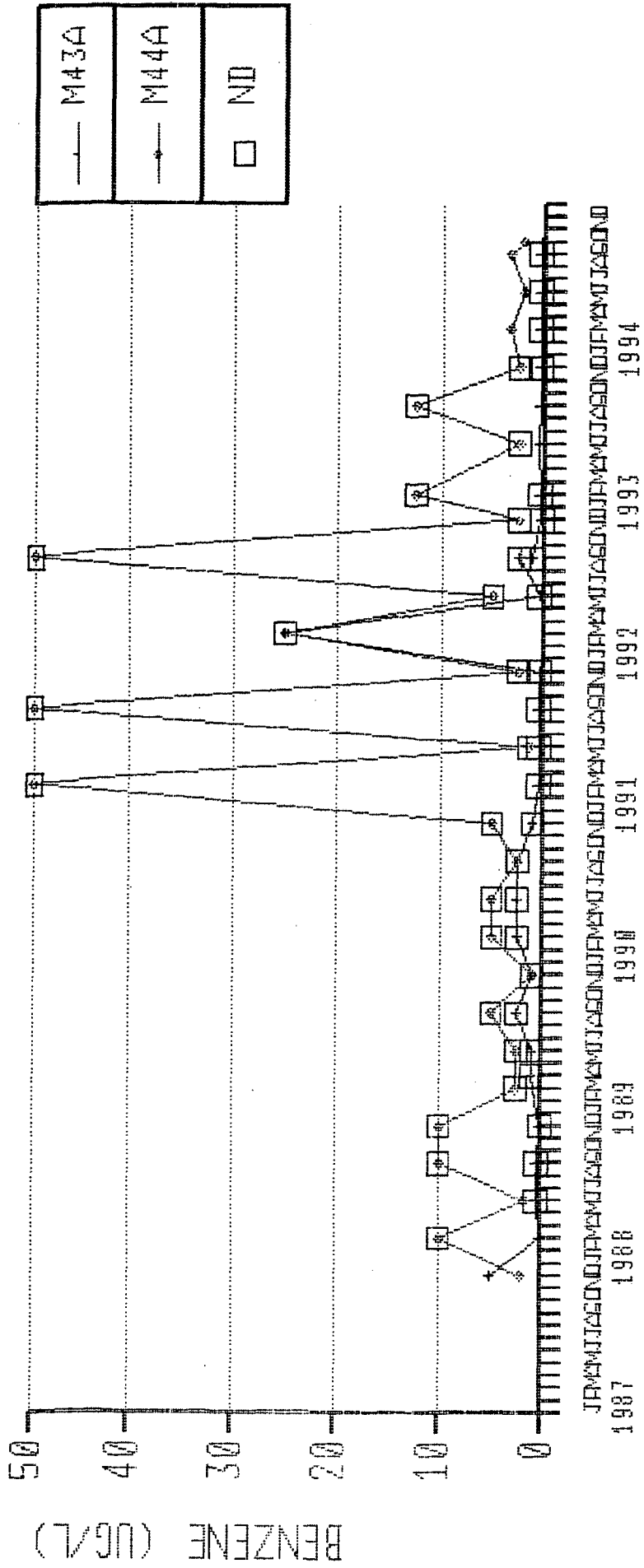


FIGURE 12-H
 PALOS VERDES LANDFILL
 BENZENE
 SUMP 7 AND PARCEL 4 SUMP

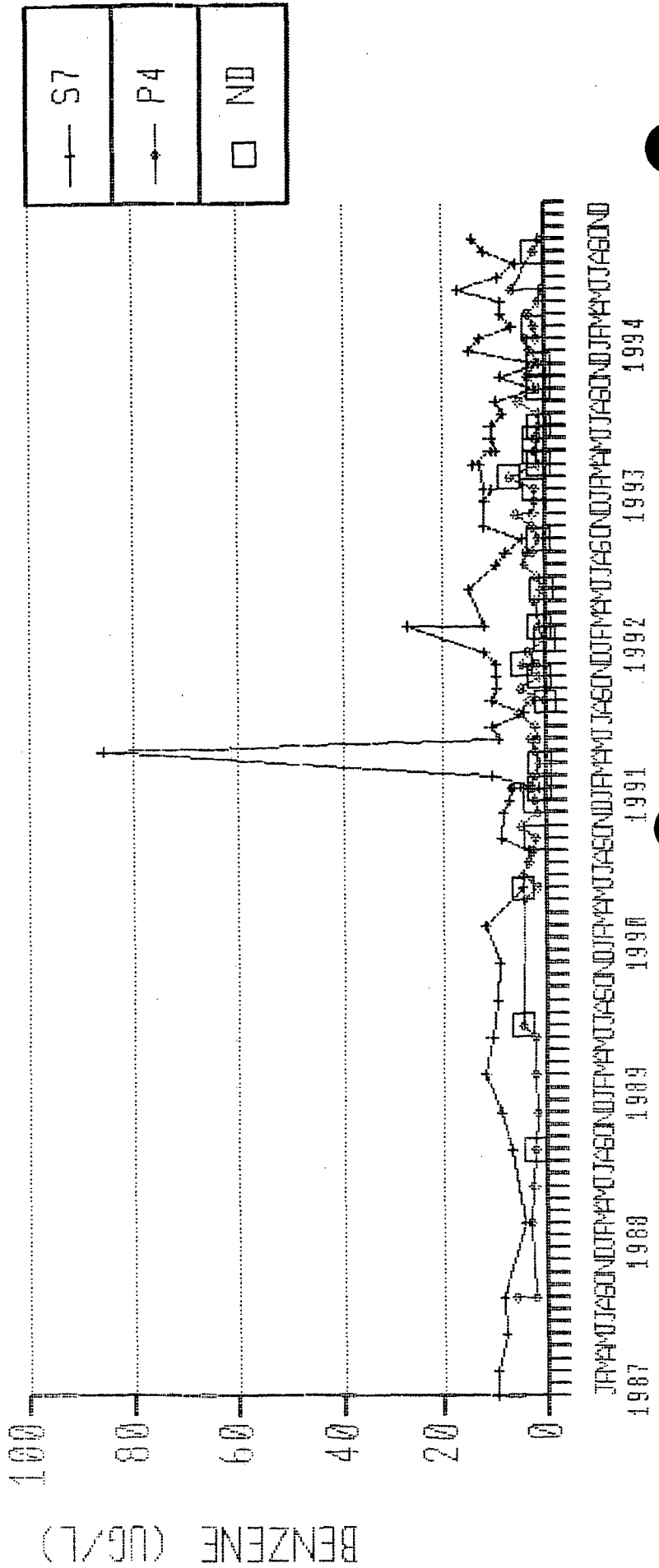
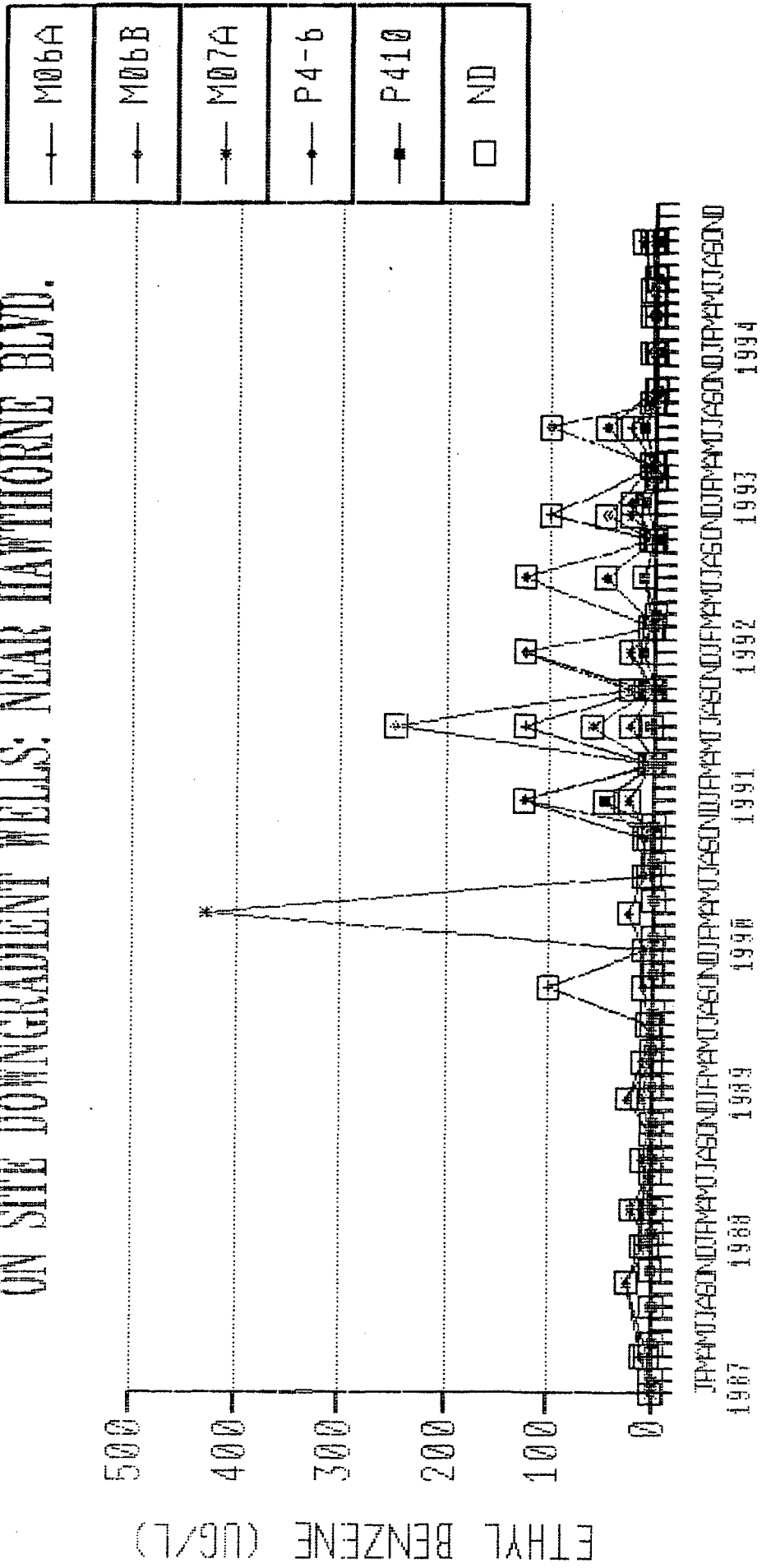


FIGURE 13-A
PALOS VERDES LANDFILL
ETHYL BENZENE
ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.



JPYMUTJASNDJRYMUTJASNDJRYMUTJASNDJRYMUTJASNDJRYMUTJASNDJRYMUTJASND
 1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 13-C
PALOS VERDES LANDFILL
ETHYL BENZENE
ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M30B
—•—	M32B
—*—	M33B
—◊—	M34B
—◻—	M35B
◻	ND

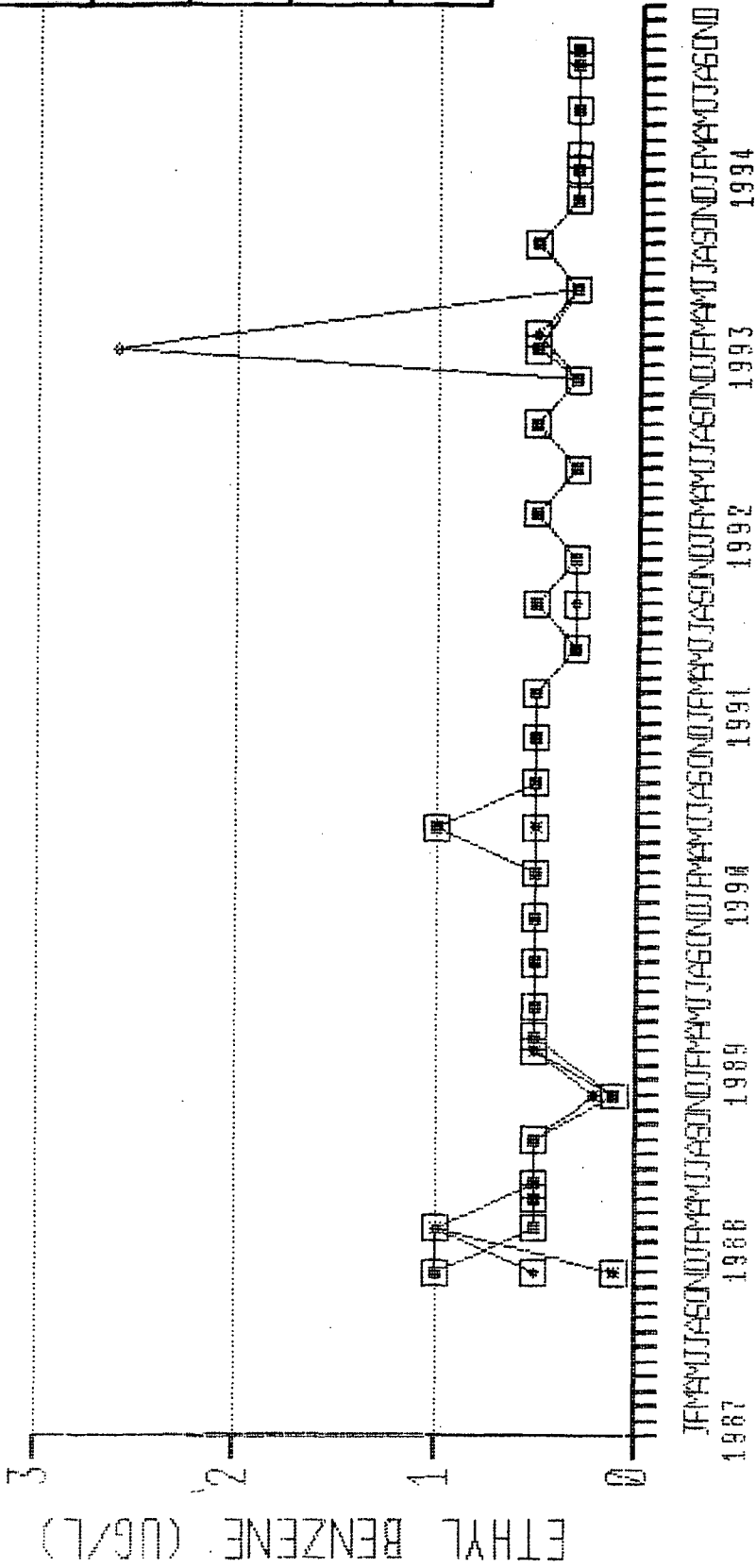


FIGURE 13-D

PALOS VERDES LANDFILL

ETHYL BENZENE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M65B
—•—	M66B
—*—	M67B
—+—	M68B
□	ND

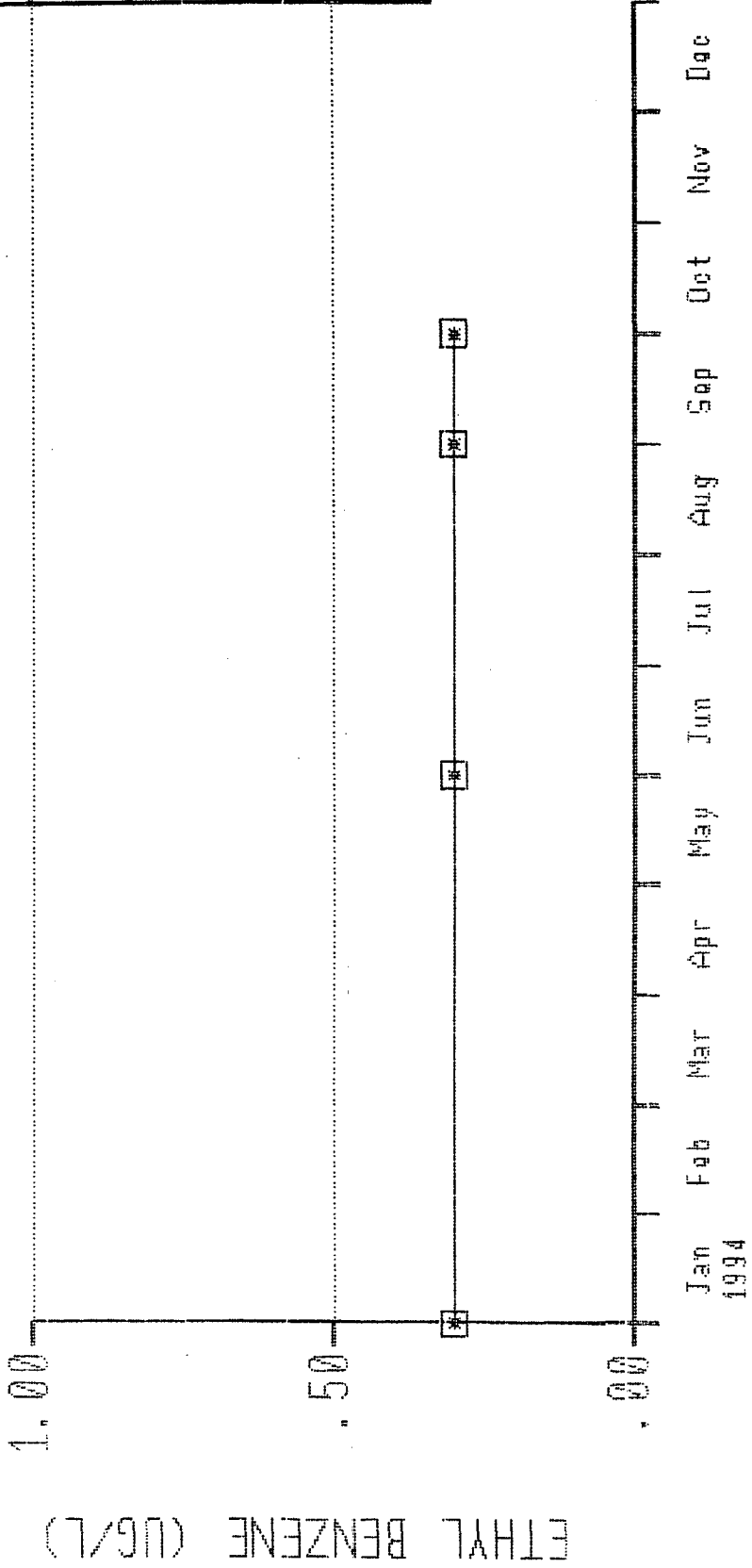


FIGURE 13-E
 PALOS VERDES LANDFILL

ETHYL BENZENE

ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—	M38A
—	M39A
—	M40A
—	M53B
□	ND

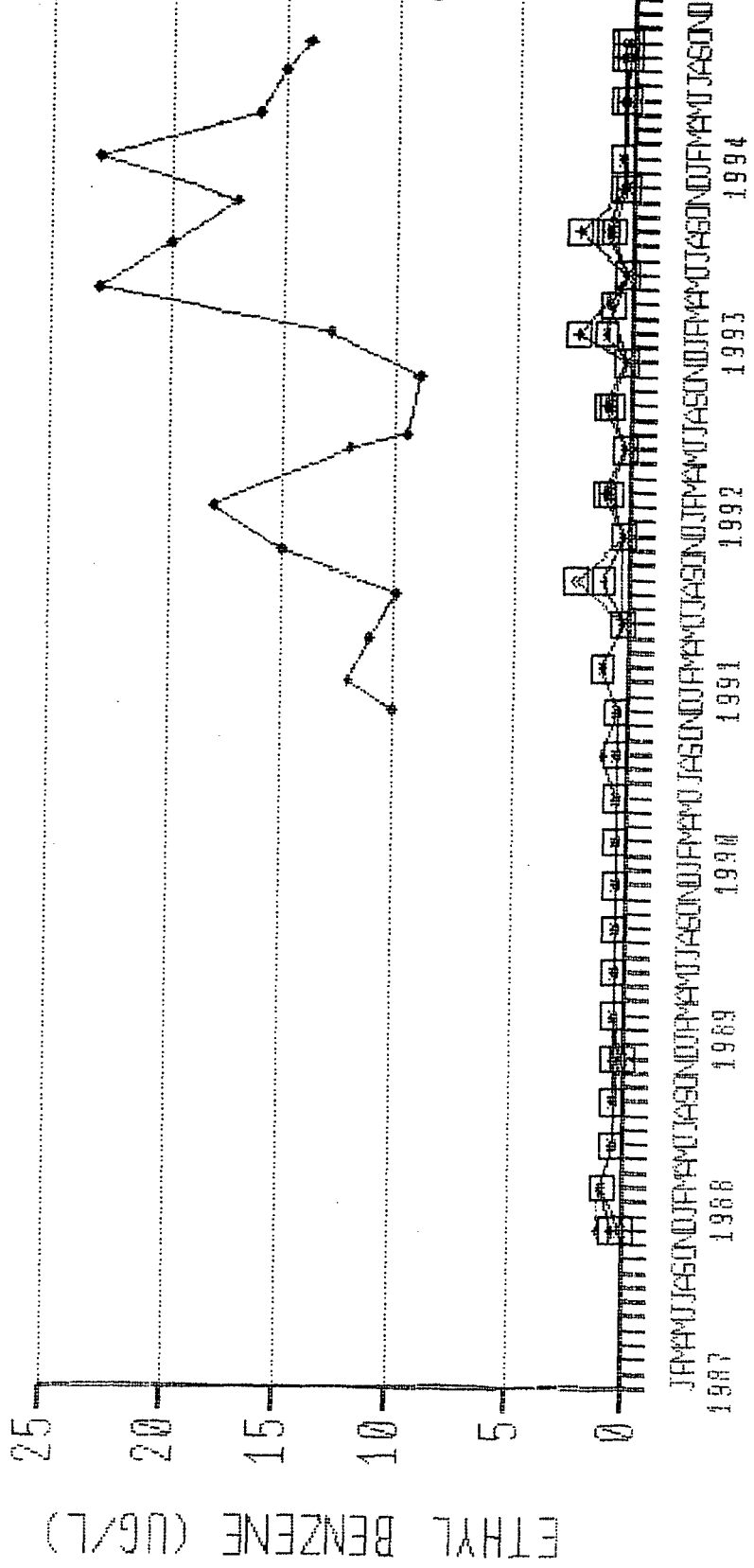


FIGURE 13-F
 PALOS VERDES LANDFILL
 ETHYL BENZENE

OFF SITE DOWNGRADEMENT WELLS: NEAR CRENSHAW BLVD.

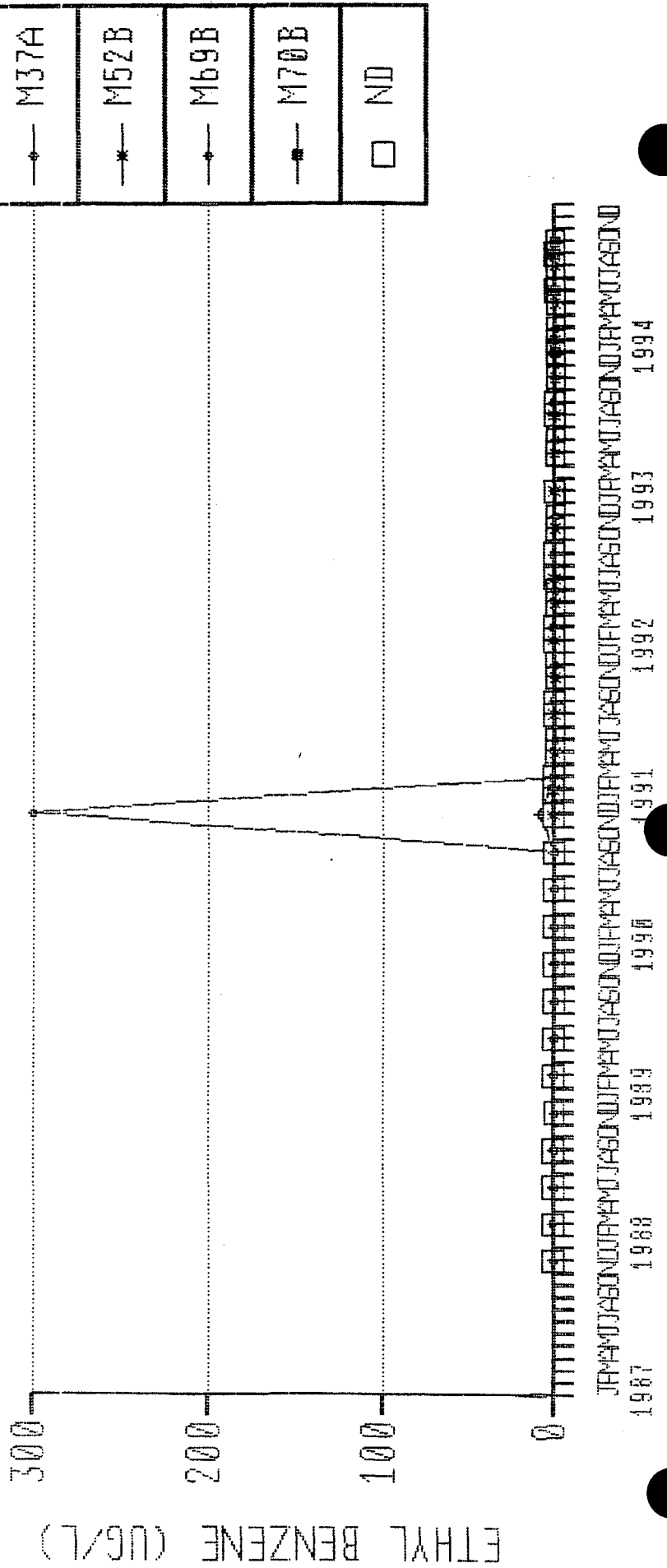


FIGURE 13-G
 PALOS VERDES LANDFILL
 ETHYL BENZENE

ON SITE WELLS: NEAR CRENSHAW BLVD.

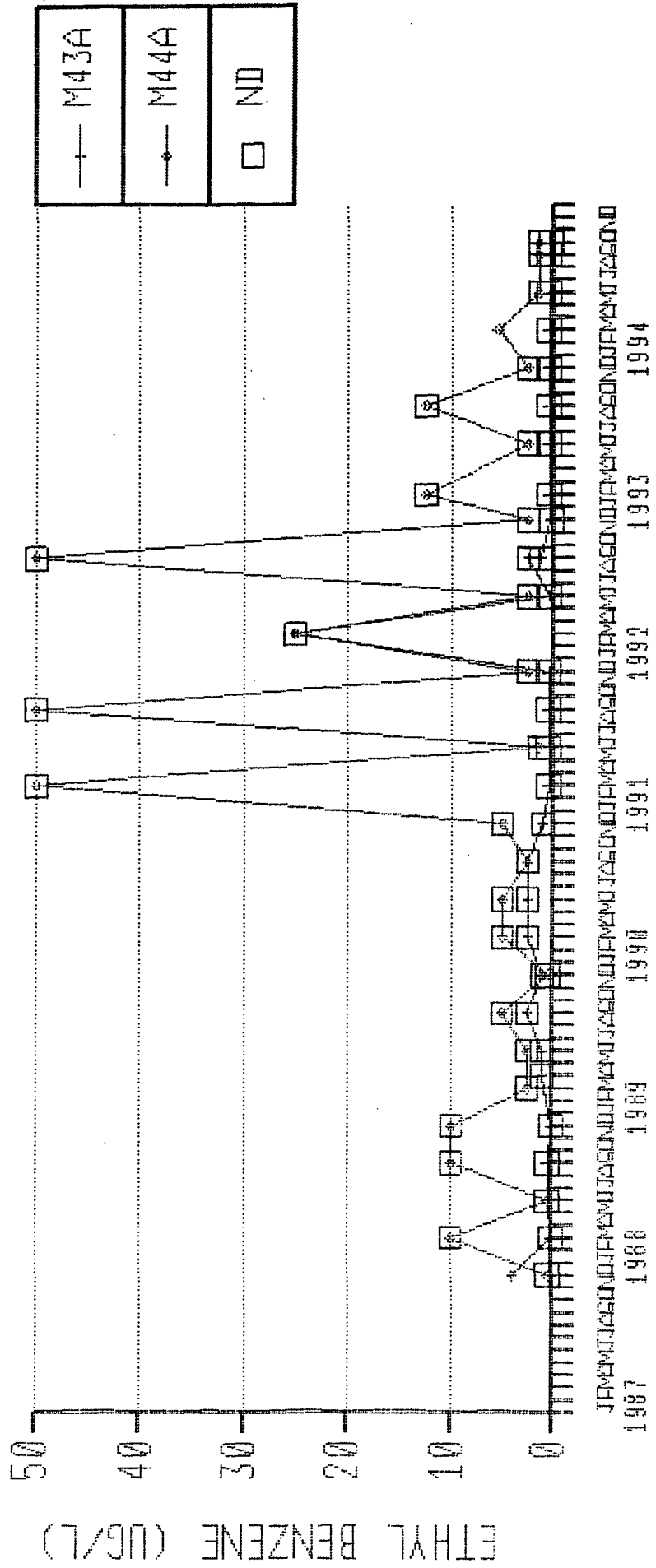
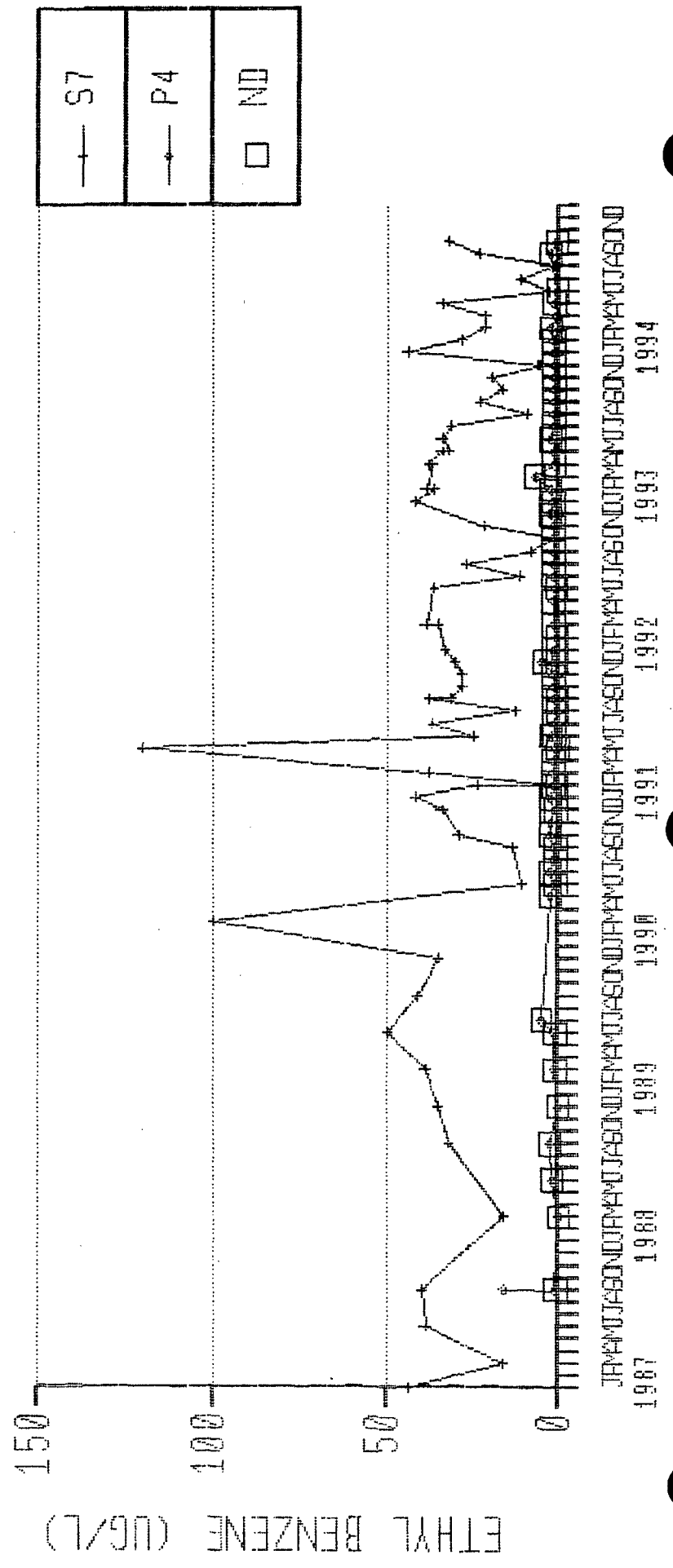


FIGURE 13-A
 PALOS VERDES LANDFILL
 ETHYL BENZENE
 SUMP 7 AND PARCEL 4 SUMP



ETHYL BENZENE (UG/L)

1987 1988 1989 1990 1991 1992 1993 1994

—+—	S7
-+ -	P4
□	ND

FIGURE 14-A
 PALOS VERDES LANDFILL
 TRANS-1,2-DICHLOROETHYLEN

ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

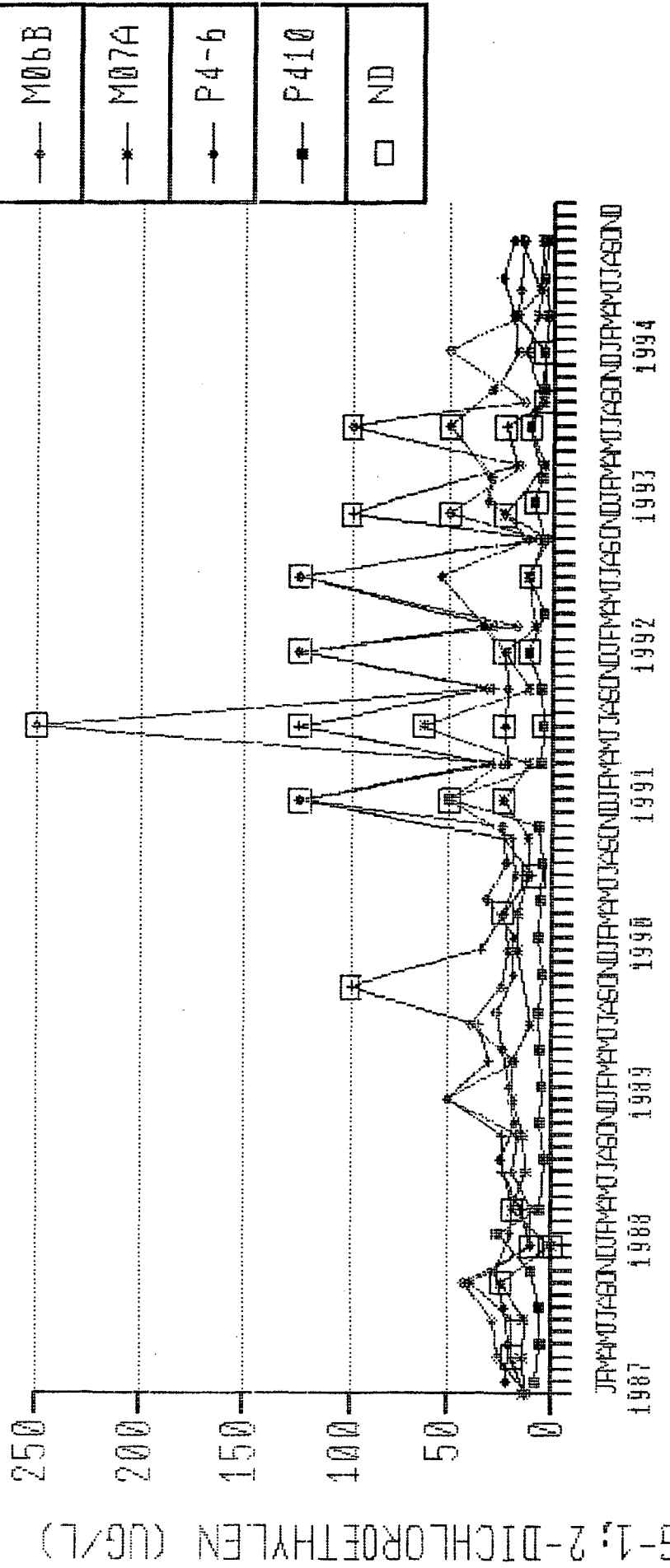
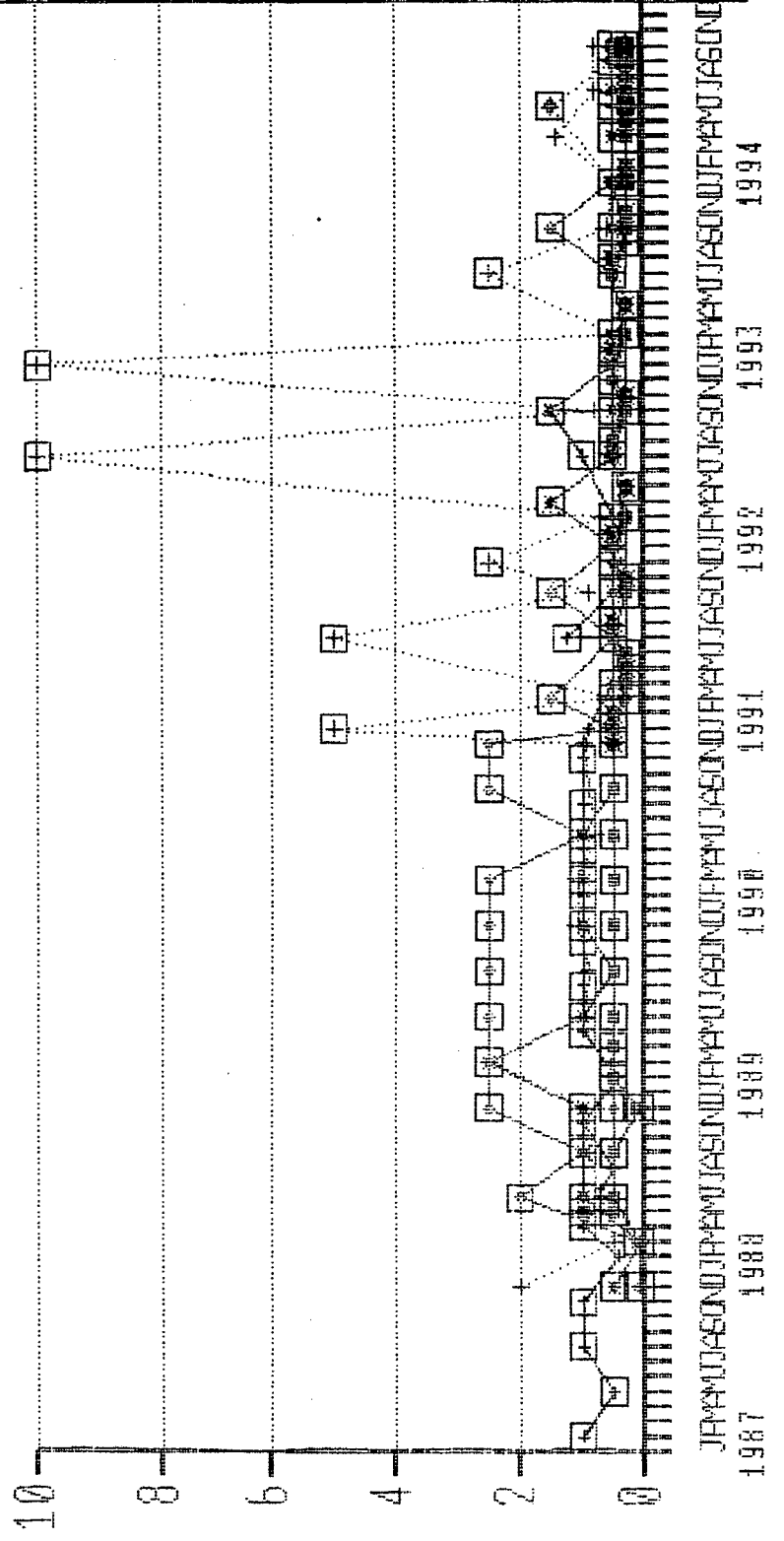


FIGURE 14-B
 PVLIF
 TRANS-1,2-DICHLOROETHYLEN
 OFF SITE DG W: HATHRN BL

—+—	PV3
—•—	M23A
—*—	M24A
—•—	M25A
—■—	M26A
—+—	M49A
—◆—	M50B
—*—	M51B
—◆—	M63B
—■—	M64B
□	ND



S-1, 2-DICHLOROETHYLEN (UG/L)

FIGURE 14-C
PALOS VERDES LANDFILL
TRANS-1,2-DICHLOROETHYLEN
ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

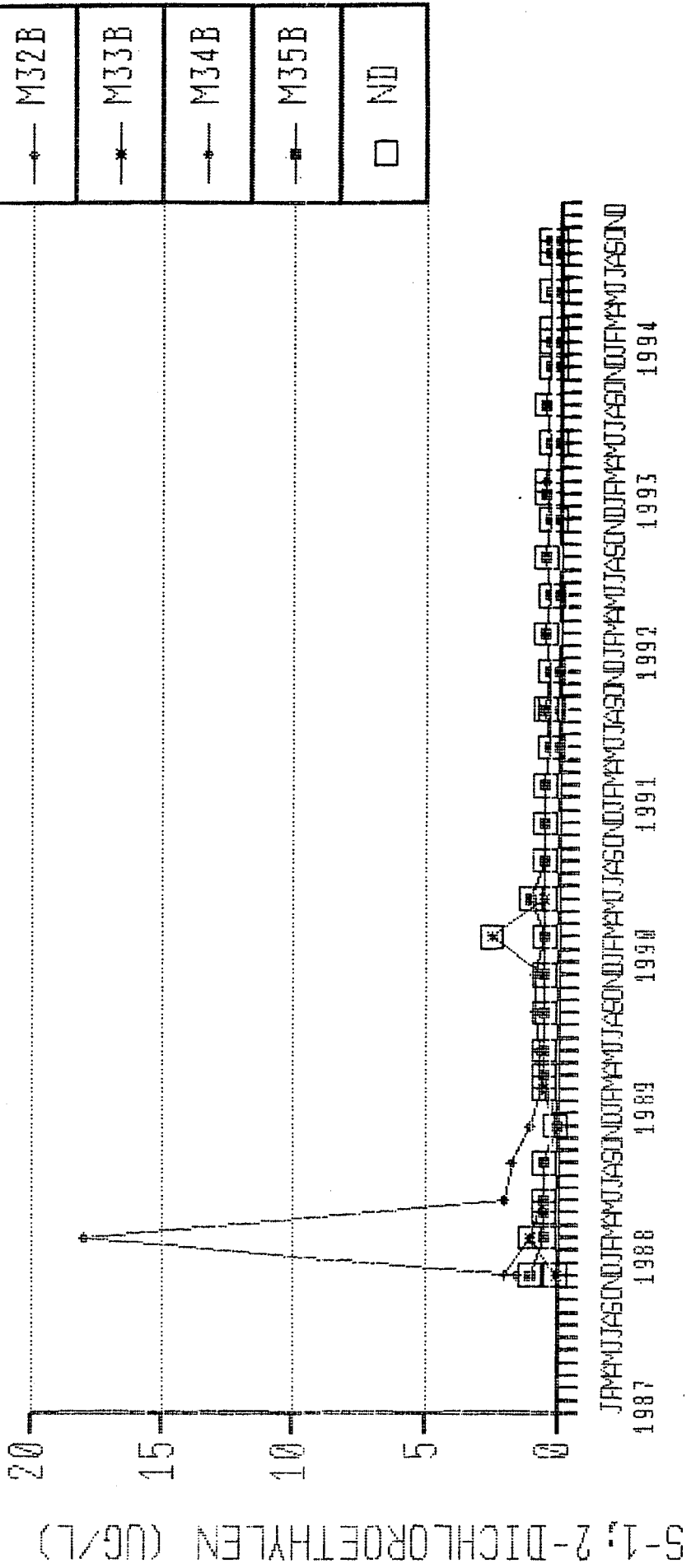


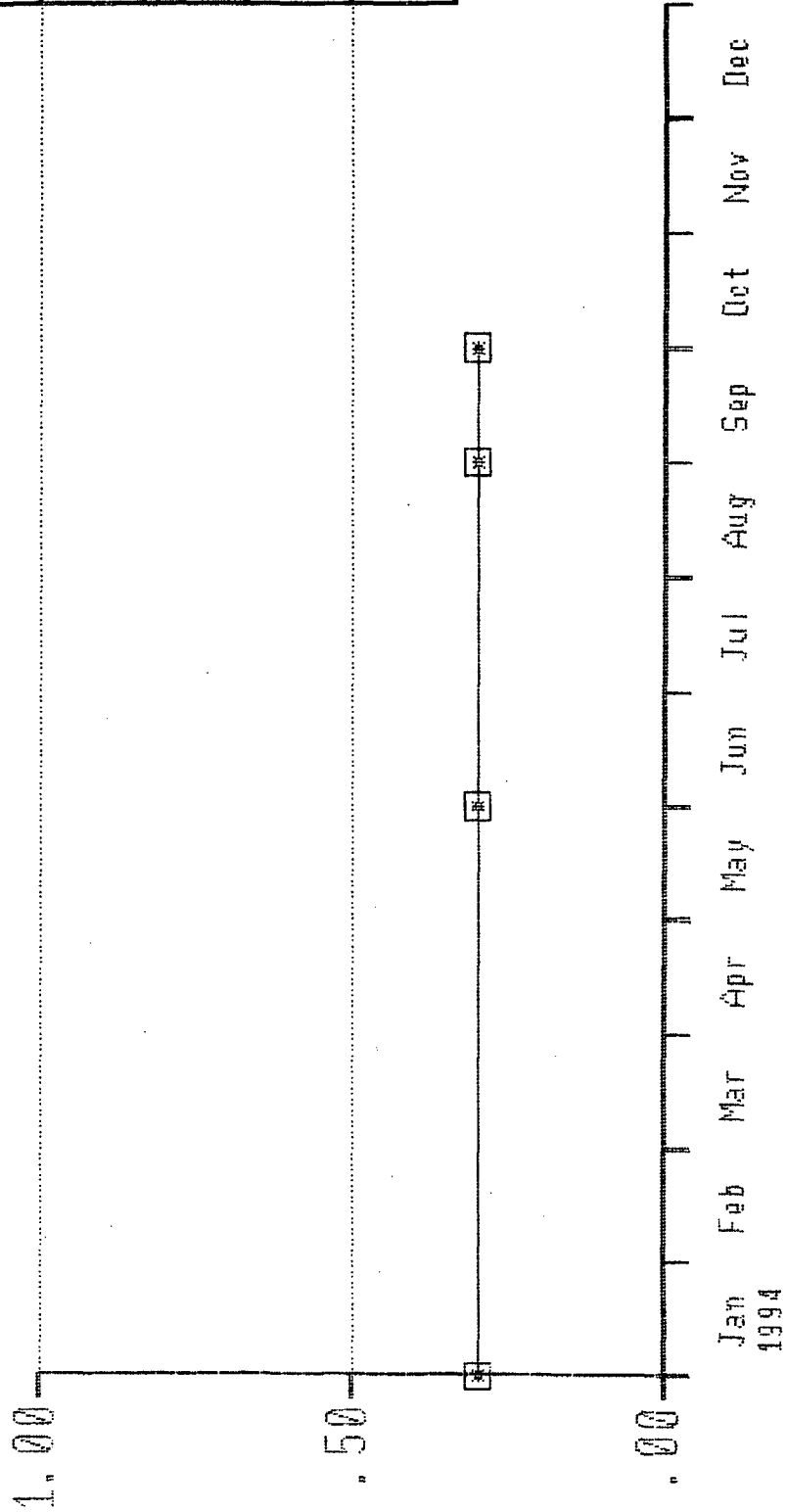
FIGURE 14-D

PALOS VERDES LANDFILL

TRANS-1,2-DICHLOROETHYLEN

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

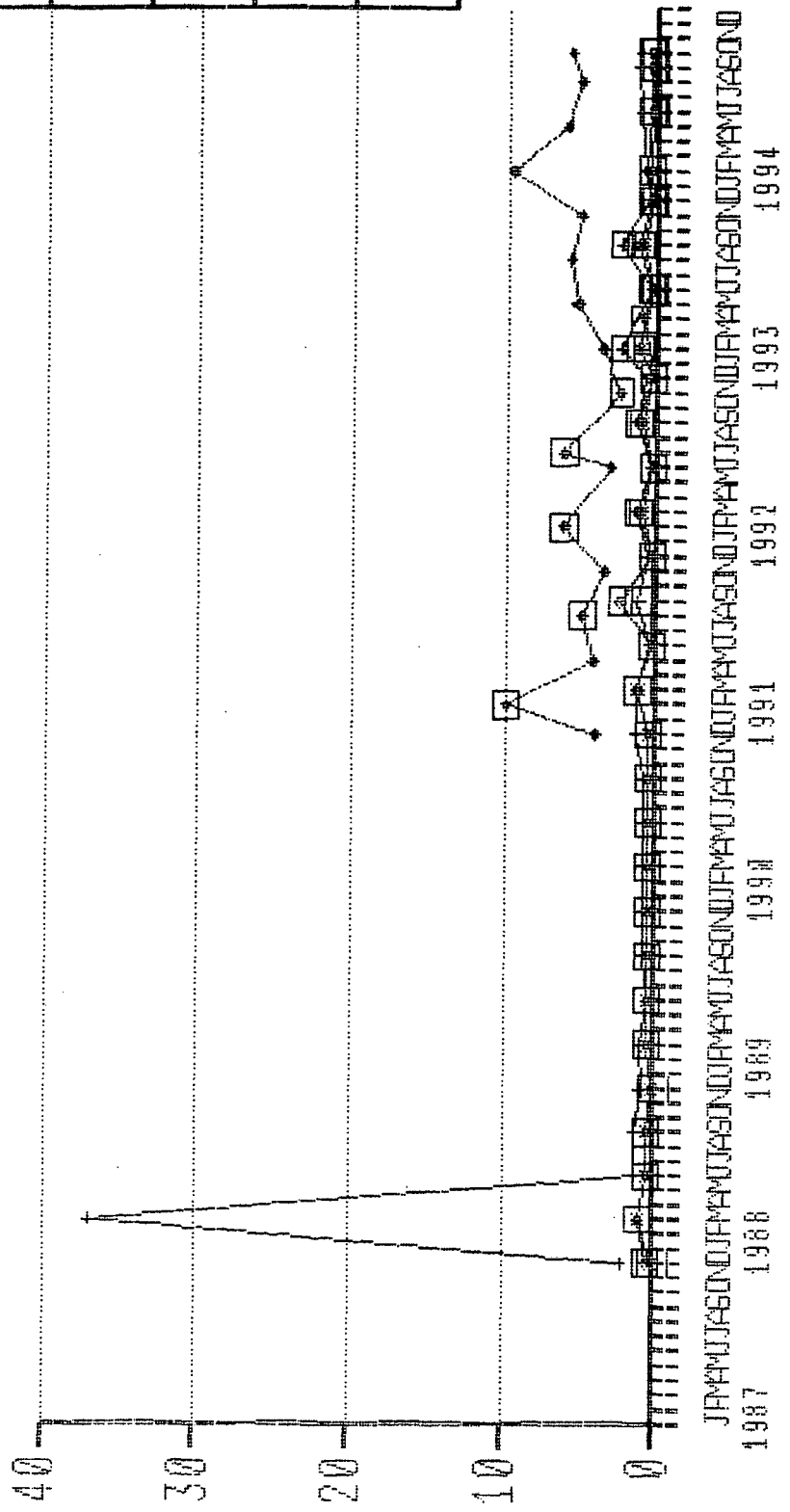
—+—	M65B
—•—	M66B
—*—	M67B
—•—	M68B
□	ND



S-1,2-DICHLOROETHYLEN (UG/L)

FIGURE 14-E
 PALOS VERDES LANDFILL
 TRANS-1,2-DICHLOROETHYLEN
 ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M38A
—•—	M39A
—*—	M40A
—◊—	M53B
□	ND



S-1, 2-DICHLOROETHYLEN (UG/L)

FIGURE 14-F
PALOS VERDES LANDFILL
TRANS-1,2-DICHLOROETHYLEN
OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

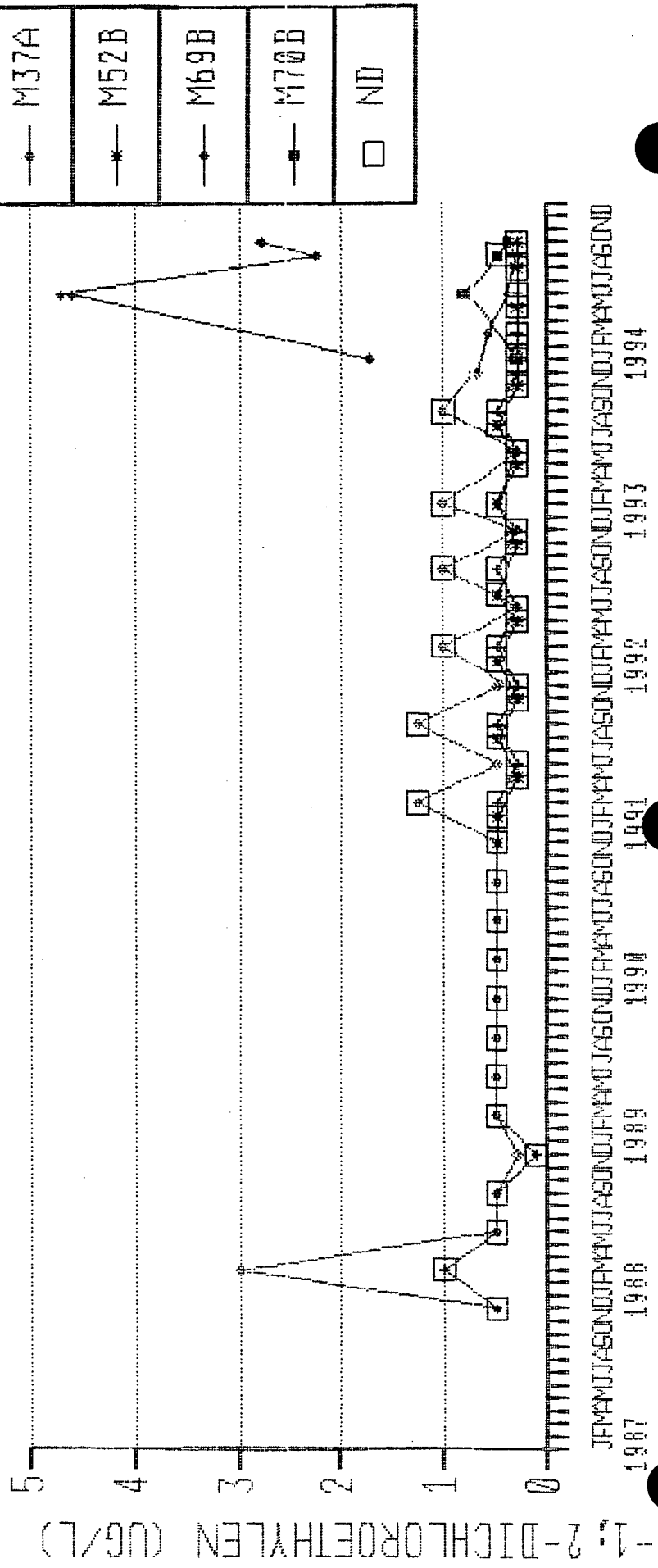
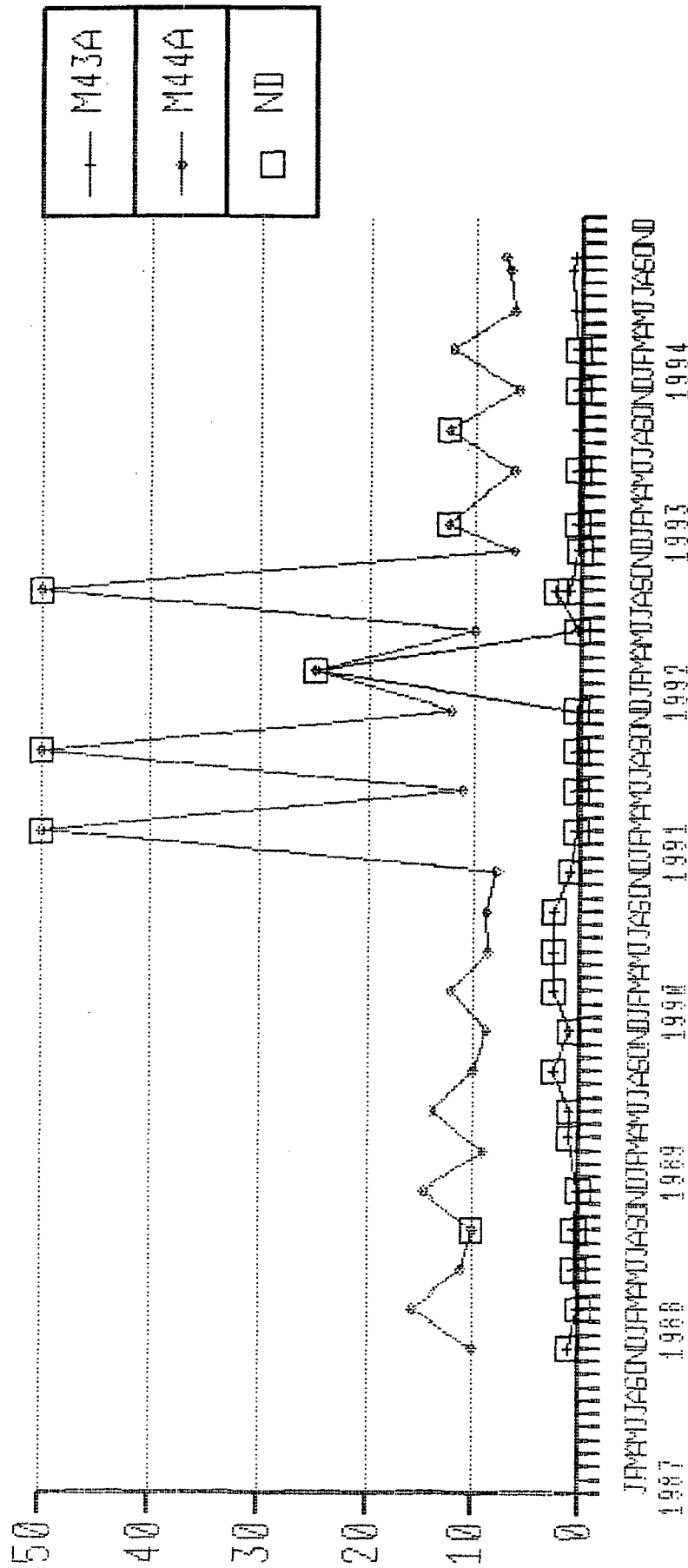


FIGURE 14-G

PALOS VERDES LANDFILL

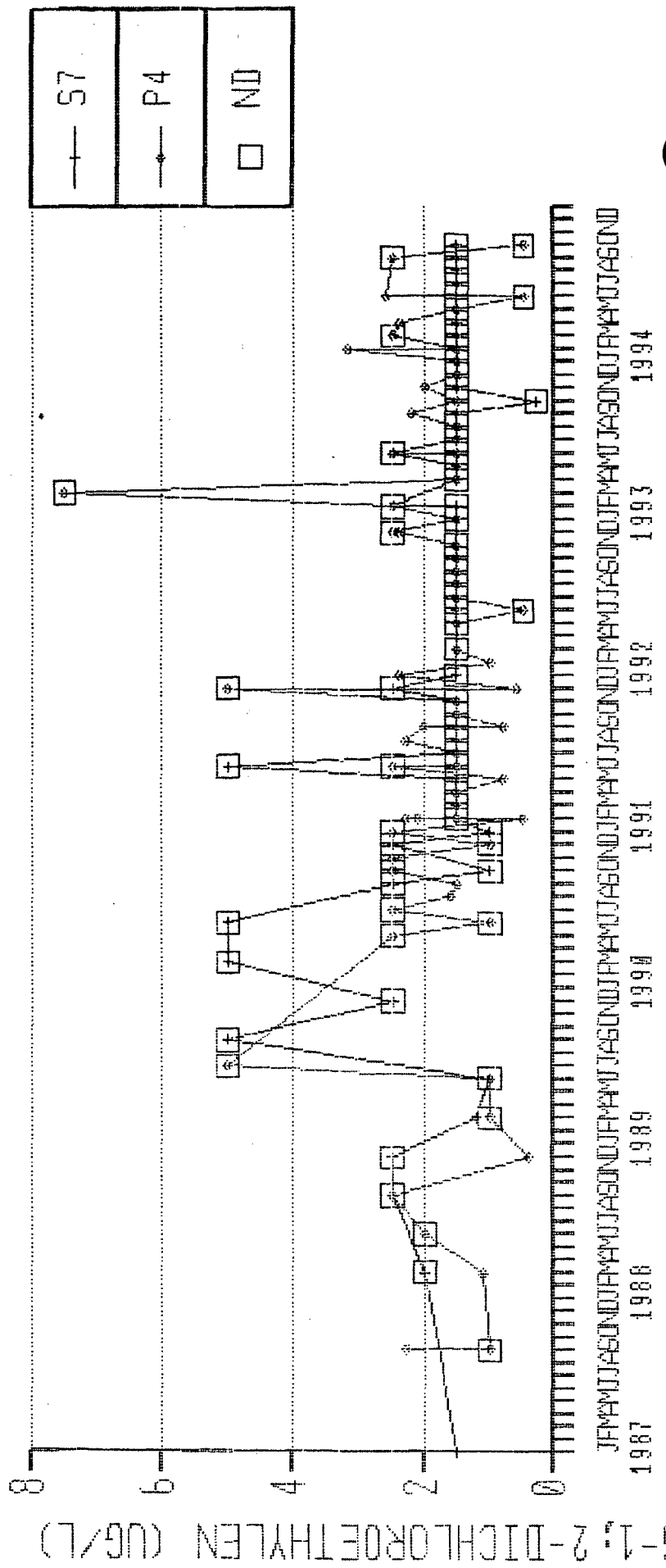
TRANS-1,2-DICHLOROETHYLEN

ON SITE WELLS: NEAR CRENSHAW BLVD.



5-1, 2-DICHLOROETHYLEN (UG/L)

FIGURE 14-H
 PALOS VERDES LANDFILL
 TRANS-1,2-DICHLOROETHYLEN
 SUMP 7 AND PARCEL 4 SUMP



5-1, 2-DICHLOROETHYLEN (UG/L)

FIGURE 15-A
 PALOS VERDES LANDFILL
 1,2-DICHLOROPROPANE
 ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

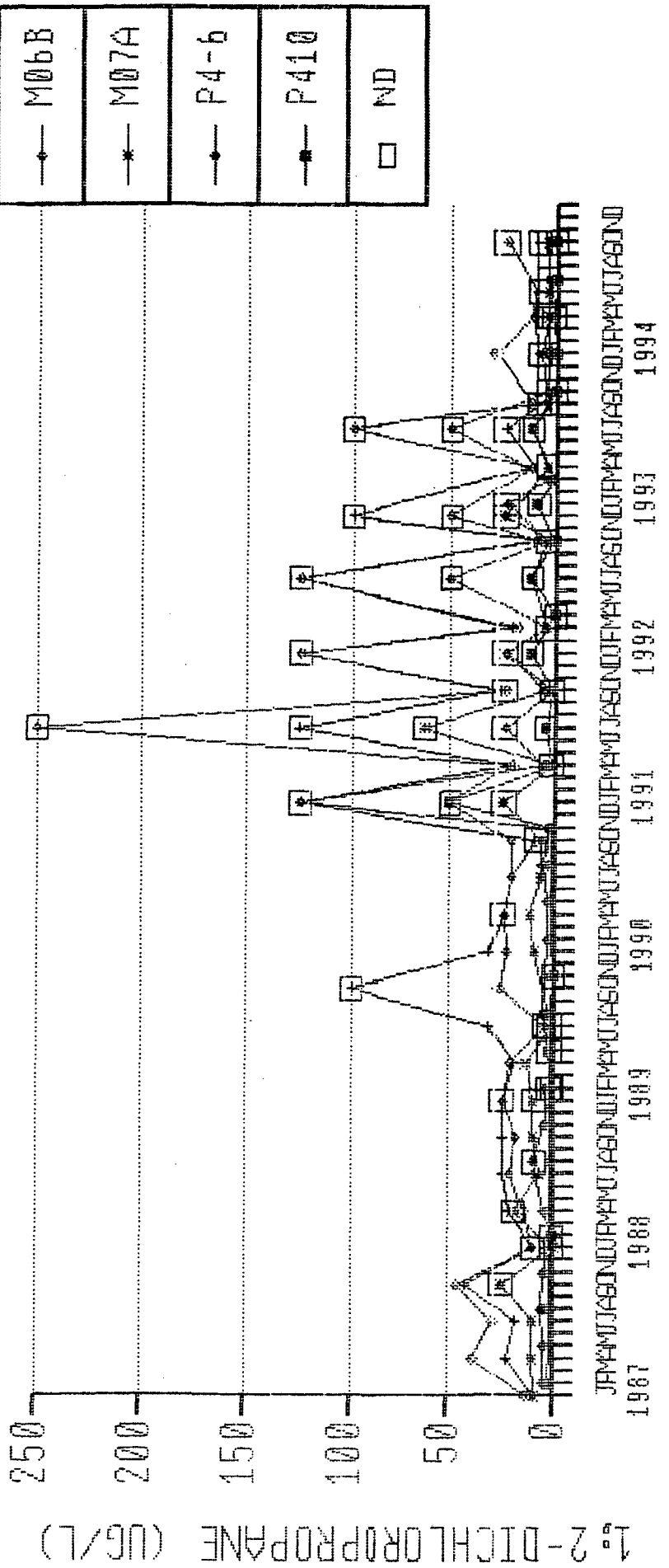
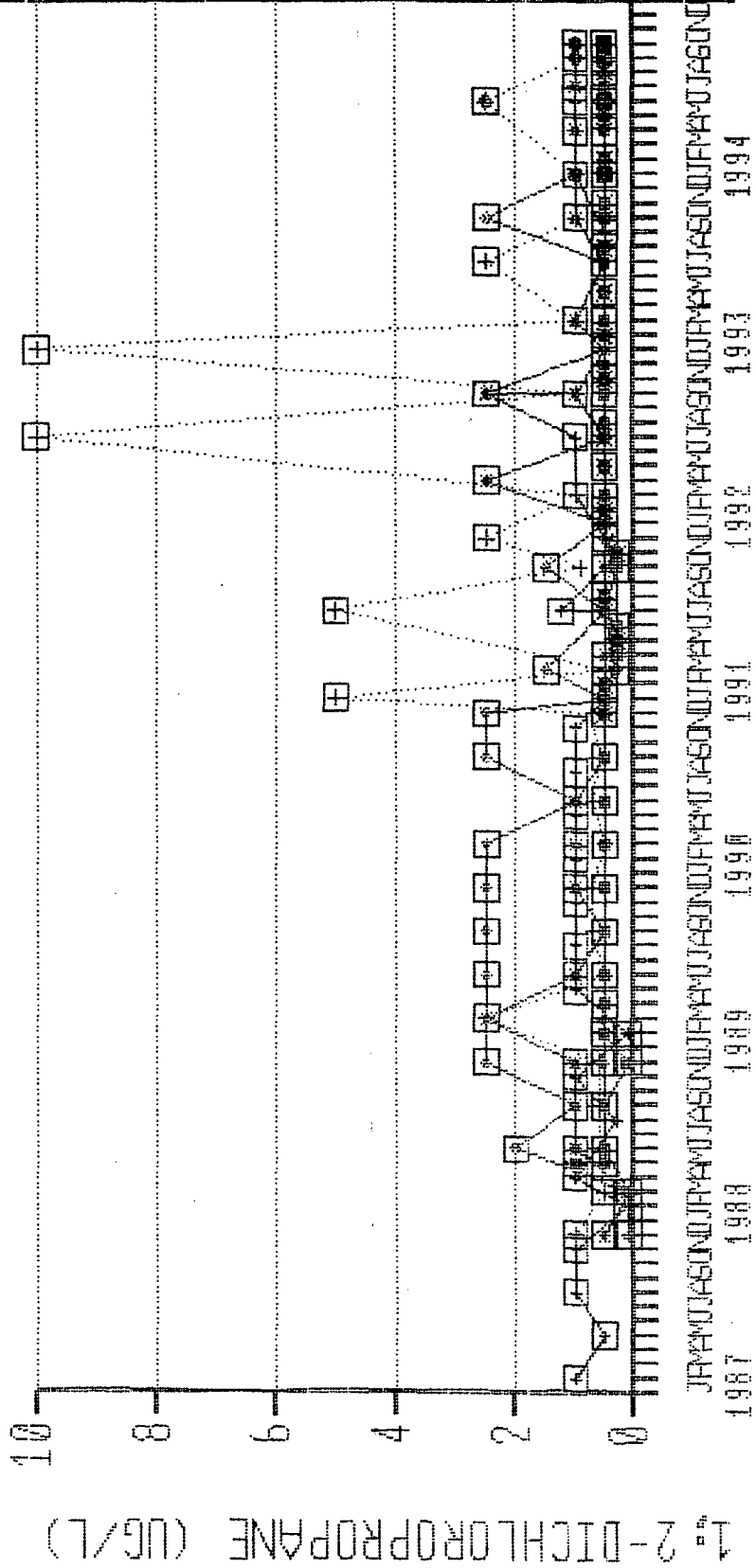


FIGURE 15-B

PVLF

1,2-DICHLOROPROPANE

OFF SITE DINGEDNT WELLS: HAWTHORNE BLVD.



+	PV3
—●—	M23A
—*—	M24A
—●—	M25A
—■—	M26A
—+—	M49A
—◆—	M50B
—*—	M51B
—◆—	M63B
—■—	M64B
□	ND

FIGURE 15-D

PALOS VERDES LANDFILL

1,2-DICHLOROPROPANE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M65B
—•—	M66B
—*—	M67B
—•—	M68B
□	ND

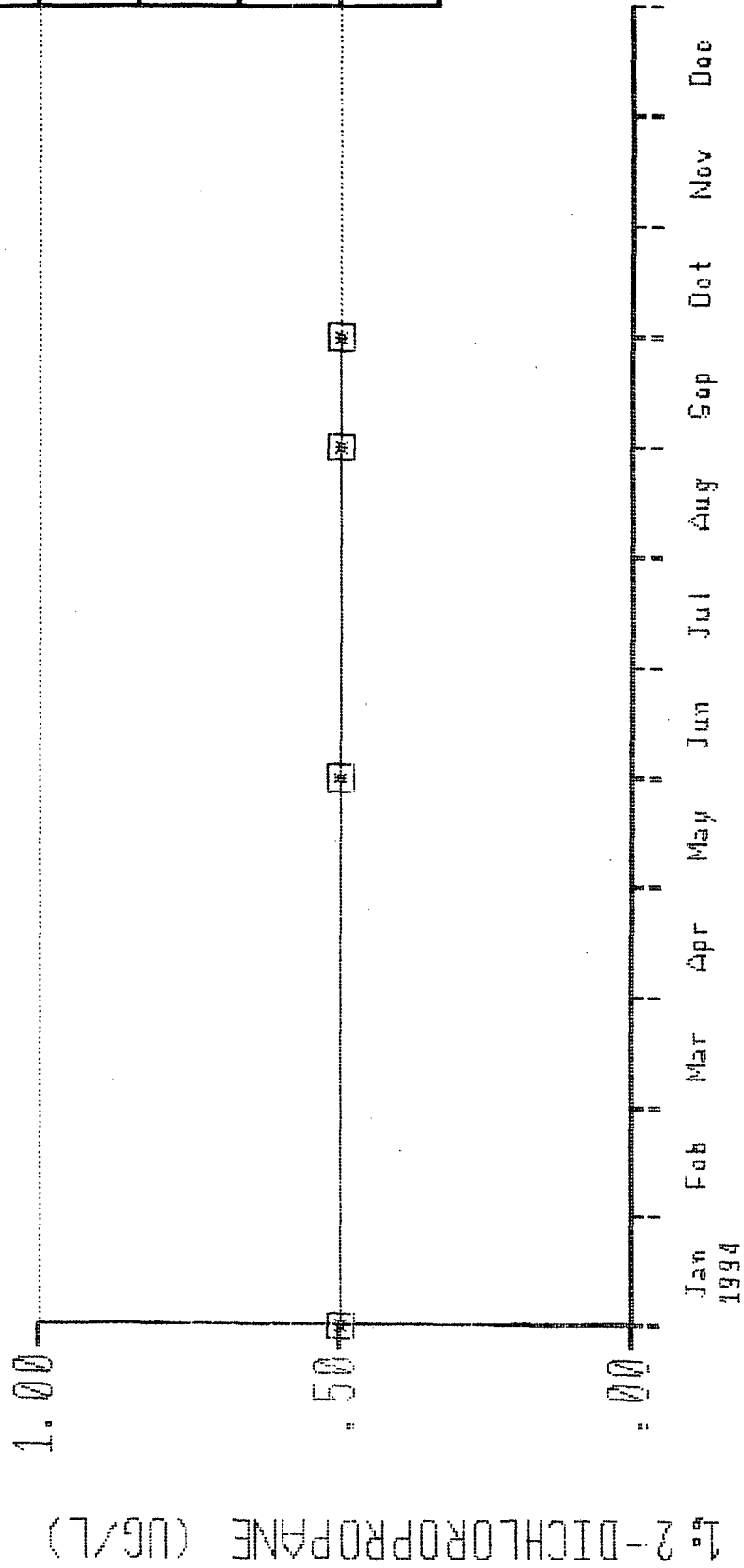


FIGURE 15-E
 PALOS VERDES LANDFILL
 1,2-DICHLOROPROPANE

ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

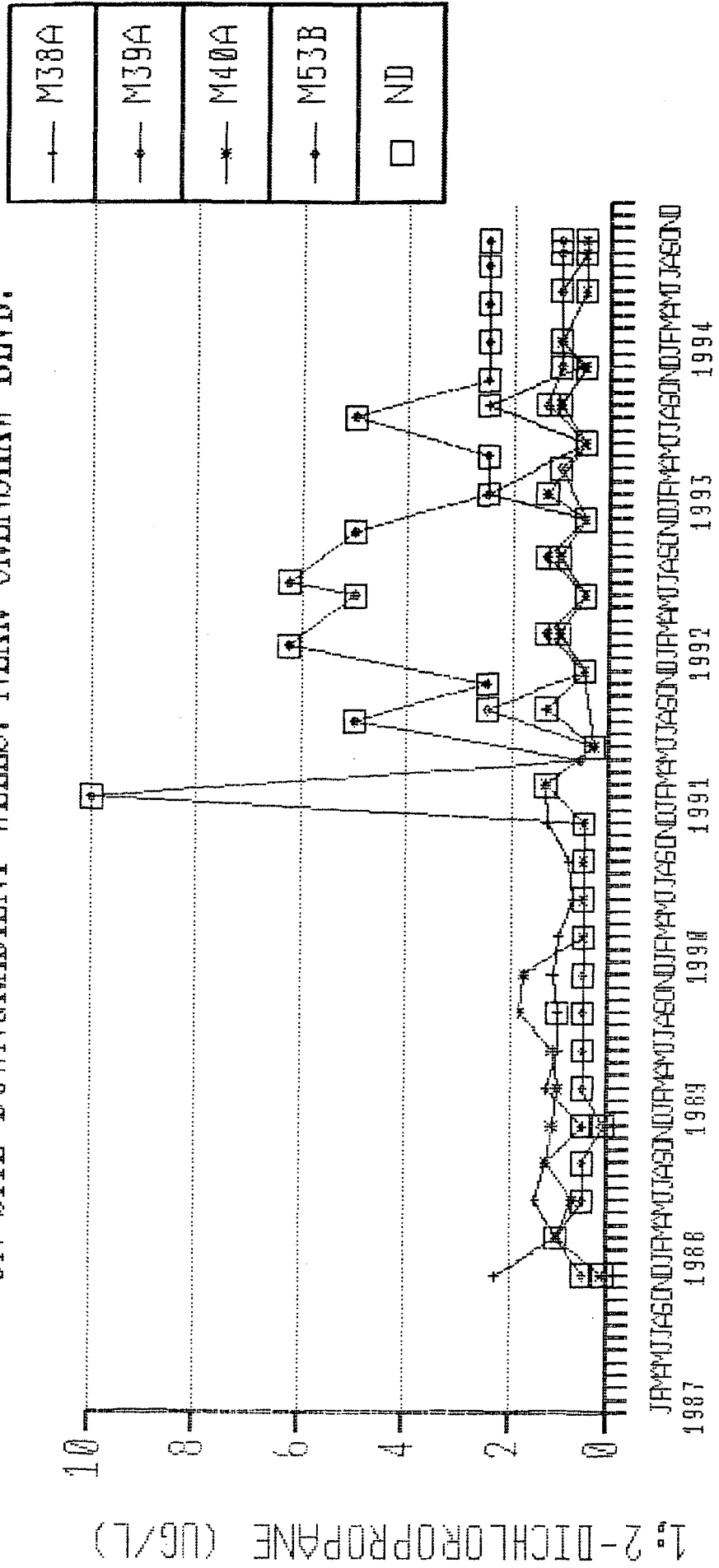
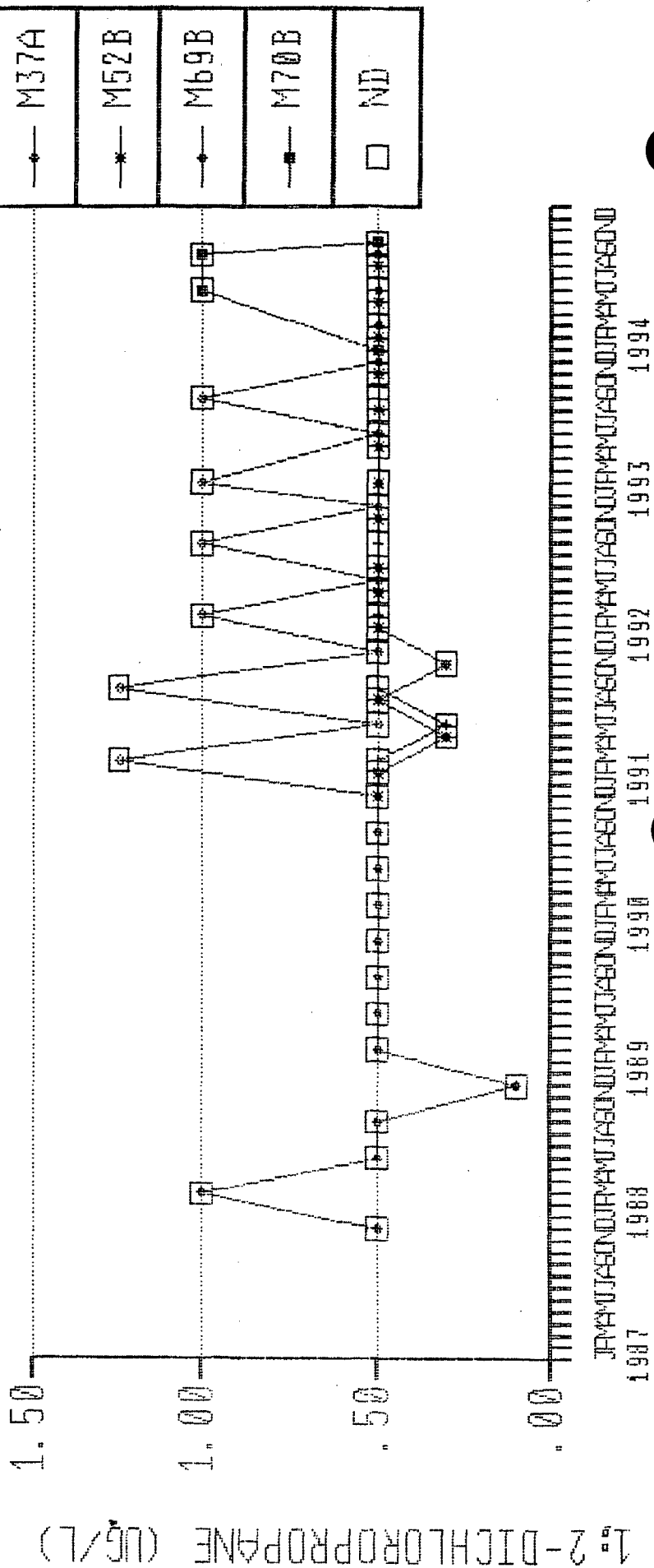


FIGURE 15-F
 PALOS VERDES LANDFILL
 1,2-DICHLOROPROPANE

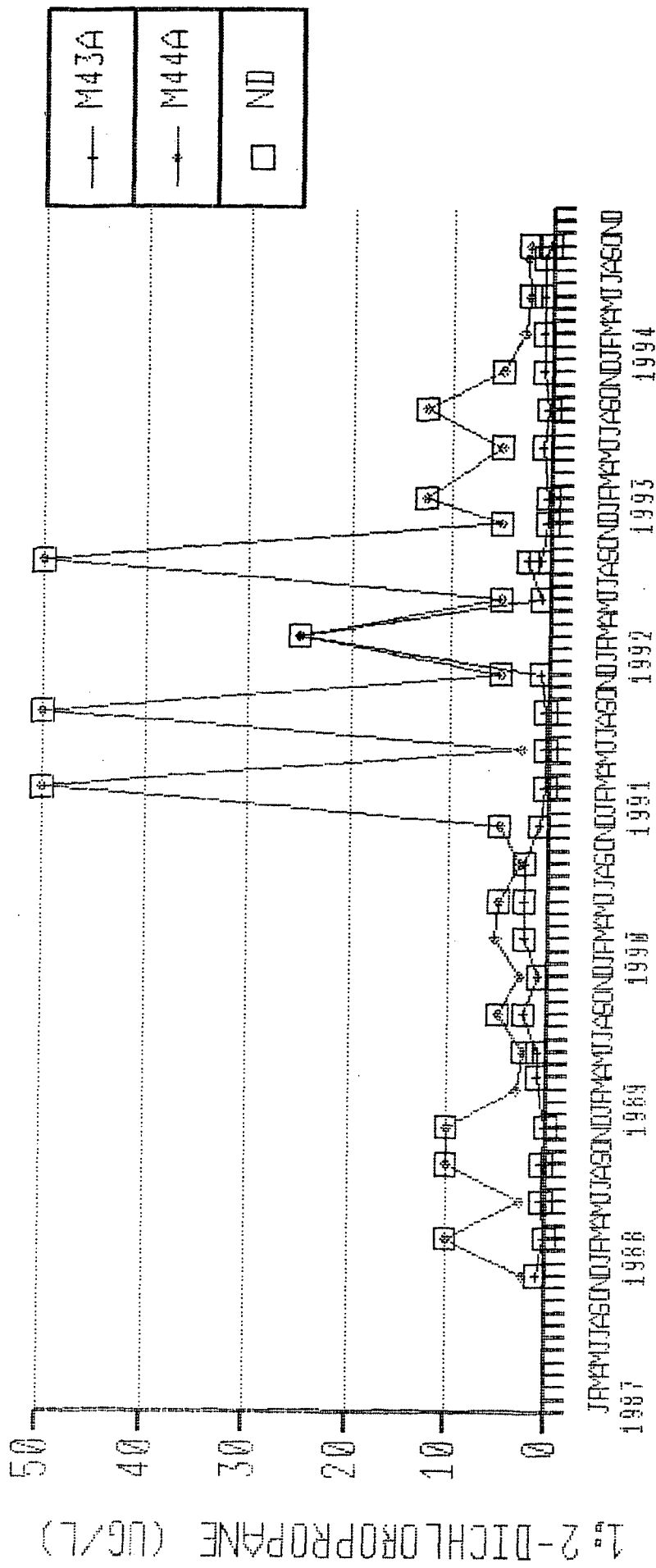
OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



1,2-DICHLOROPROPANE (UG/L)

1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 15-G
 PALOS VERDES LANDFILL
 1,2-DICHLOROPROPANE
 ON SITE WELLS: NEAR CRENSHAW BLVD.



1,2-DICHLOROPROPANE (UG/L)

FIGURE 15-A
 PALOS VERDES LANDFILL
 1,2-DICHLOROPROPANE
 SUMP 7 AND PARCEL 4 SUMP

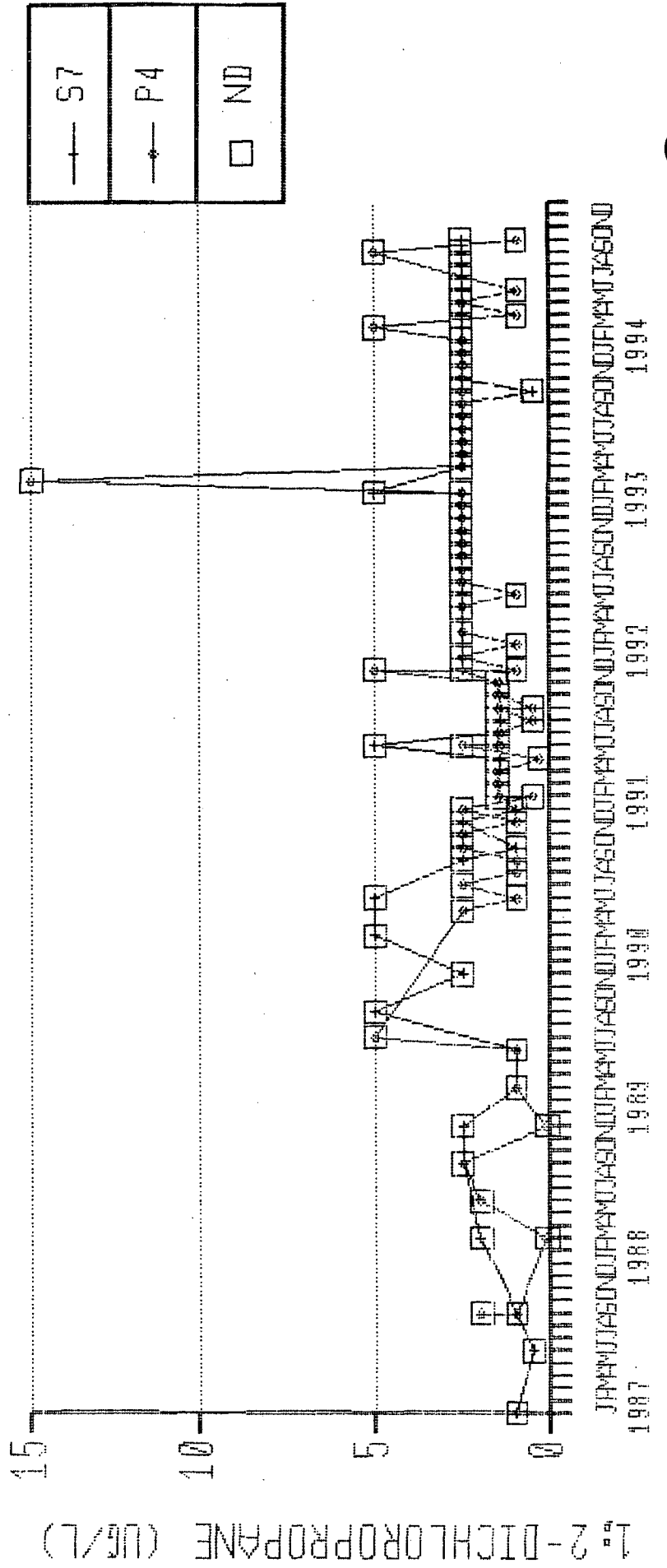
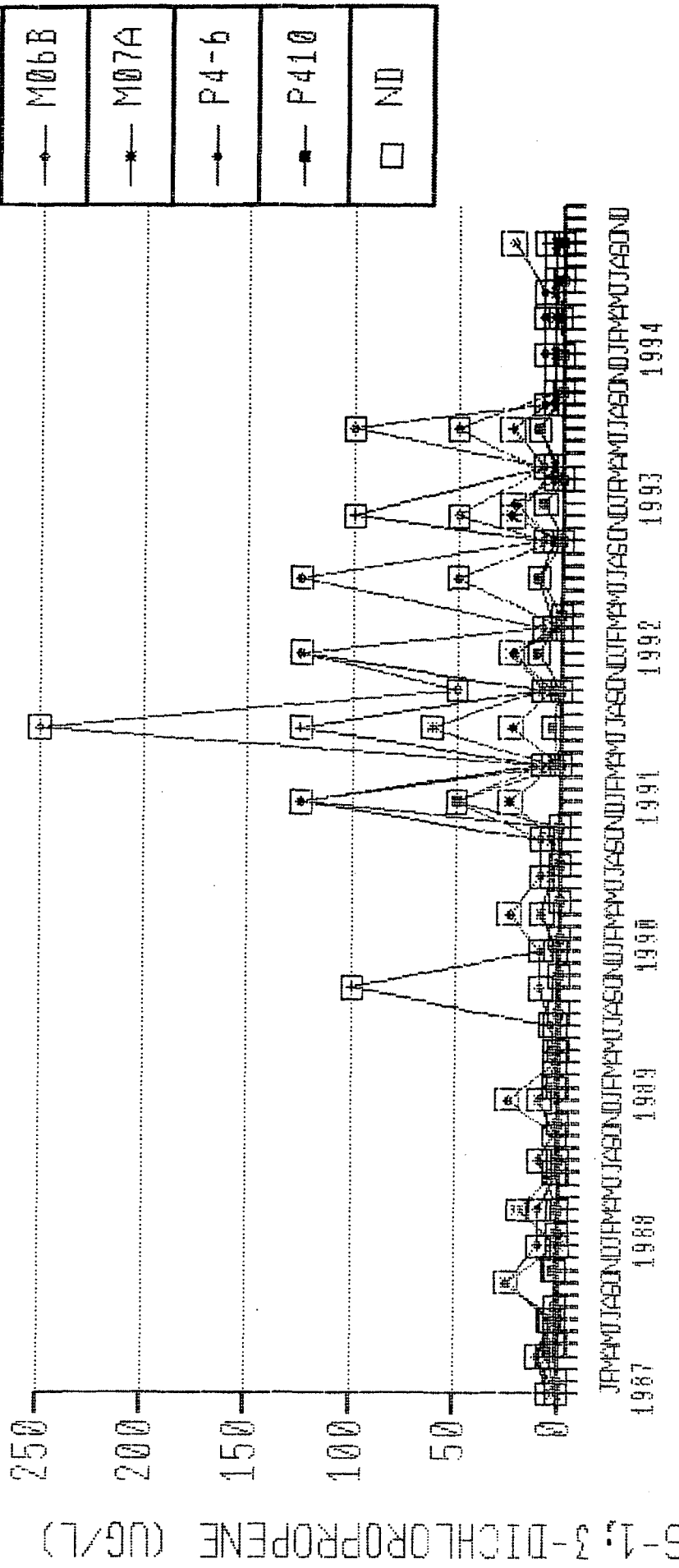


FIGURE 16-A
 PALOS VERDES LANDFILL
 CIS-1,3-DICHLOROPROPENE
 ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.



S-1, 3-DICHLOROPROPENE (UG/L)

S-1, 3-DICHLOROPROPENE (UG/L)

FIGURE 16-B
PVLF
CIS-1,3-DICHLOROPROPENE
OFF SITE DG W: HATHRN BL

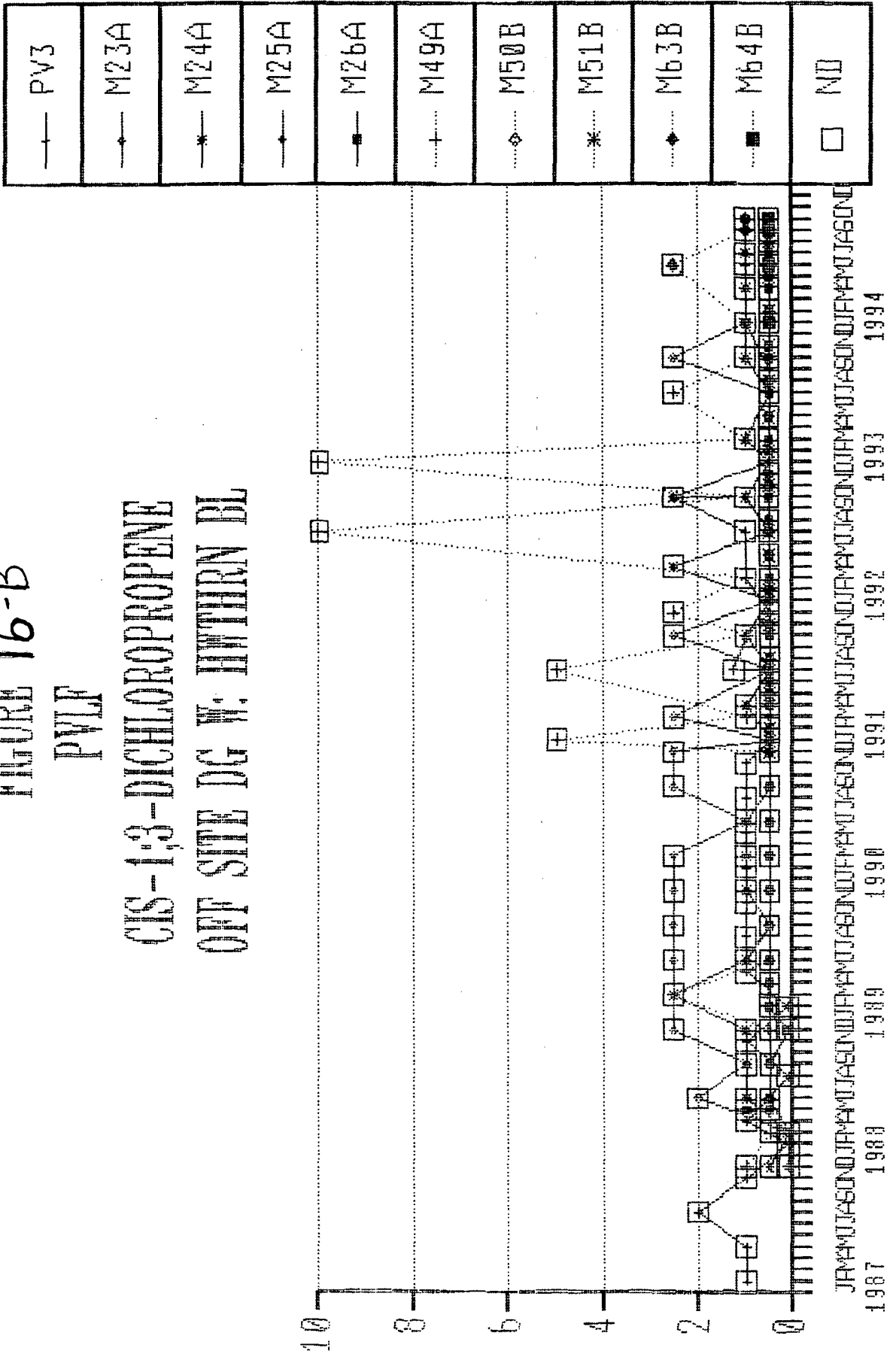
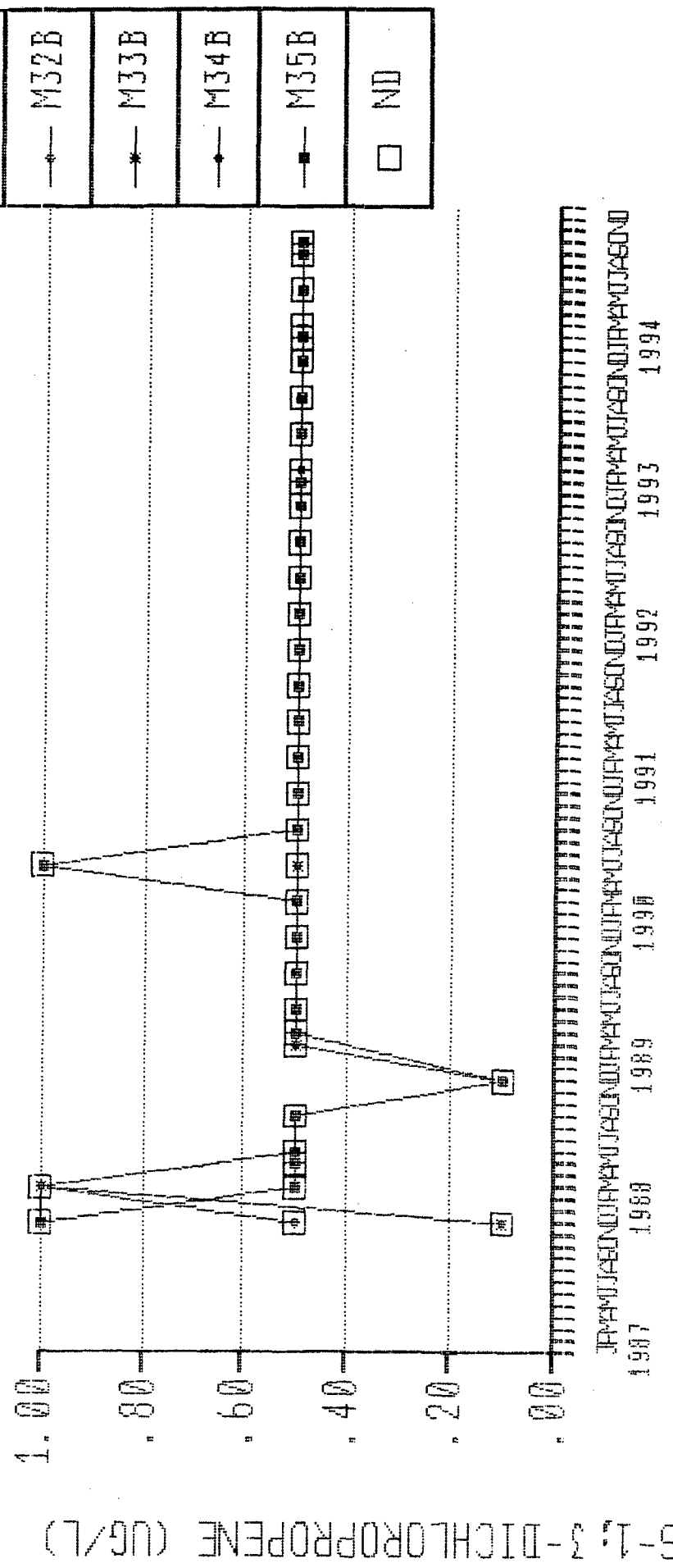


FIGURE 16-C
PALOS VERDES LANDFILL
CIS-1,3-DICHLOROPROPENE
ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



S-1, 3-DICHLOROPROPENE (UG/L)

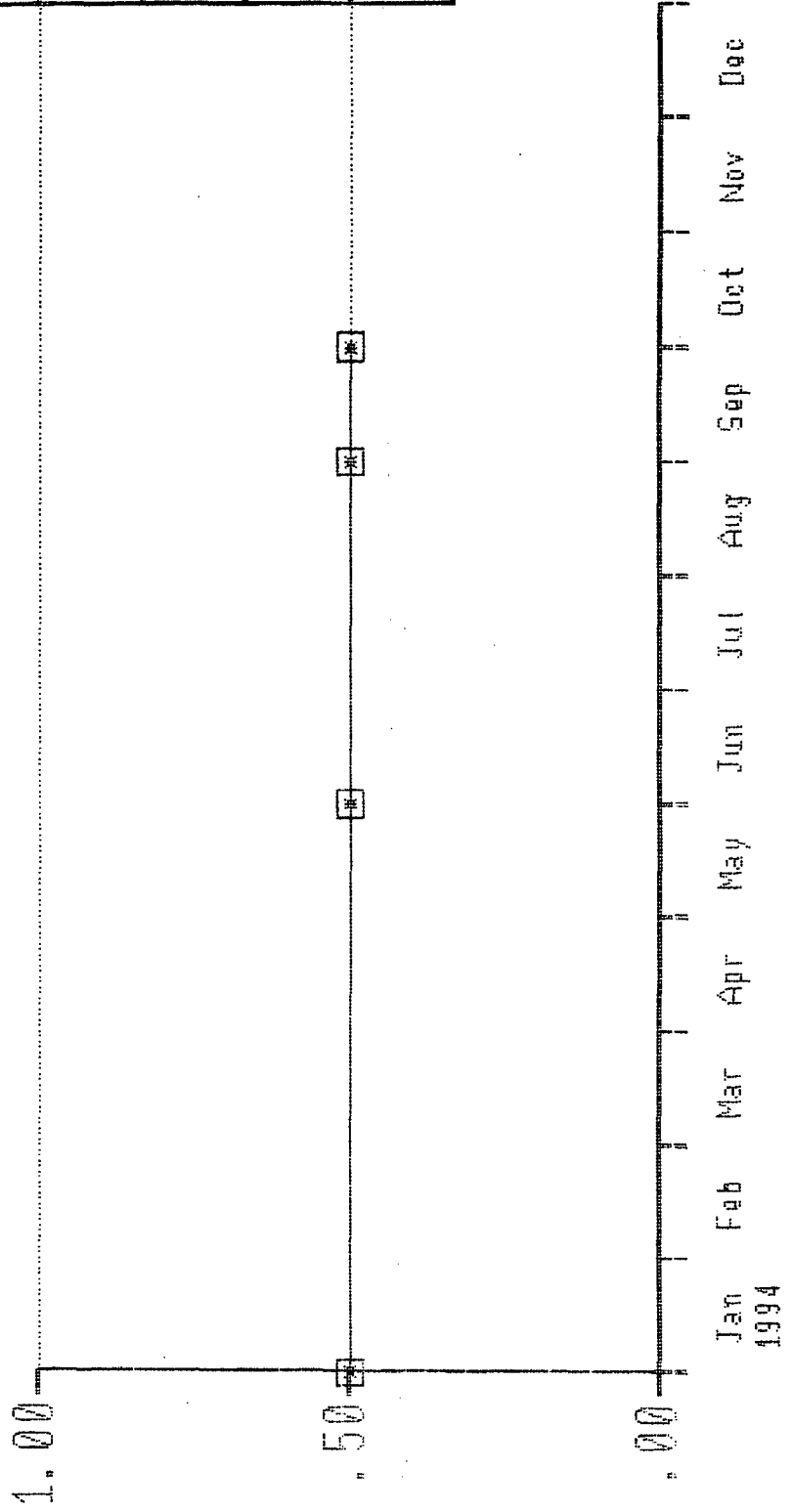
FIGURE 16-D

PALOS VERDES LANDFILL

CIS-1,3-DICHLOROPROPENE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M65B
—•—	M66B
—*—	M67B
—•—	M68B
□	ND



S-1,3-DICHLOROPROPENE (UG/L)

FIGURE 16-E

PALOS VERDES LANDFILL

CIS-1,3-DICHLOROPROPENE

ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M38A
—•—	M39A
—*—	M40A
—•—	M53B
□	ND

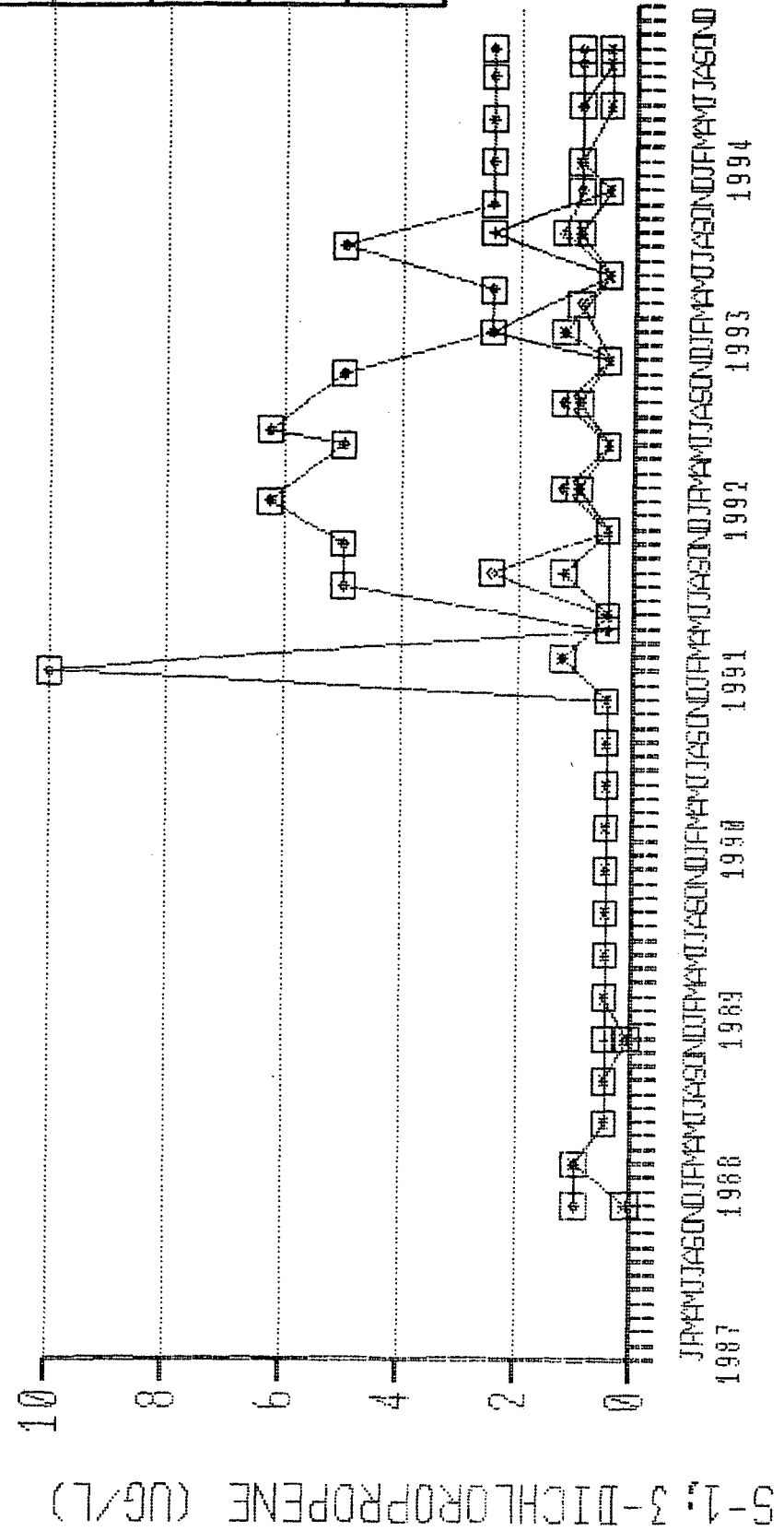
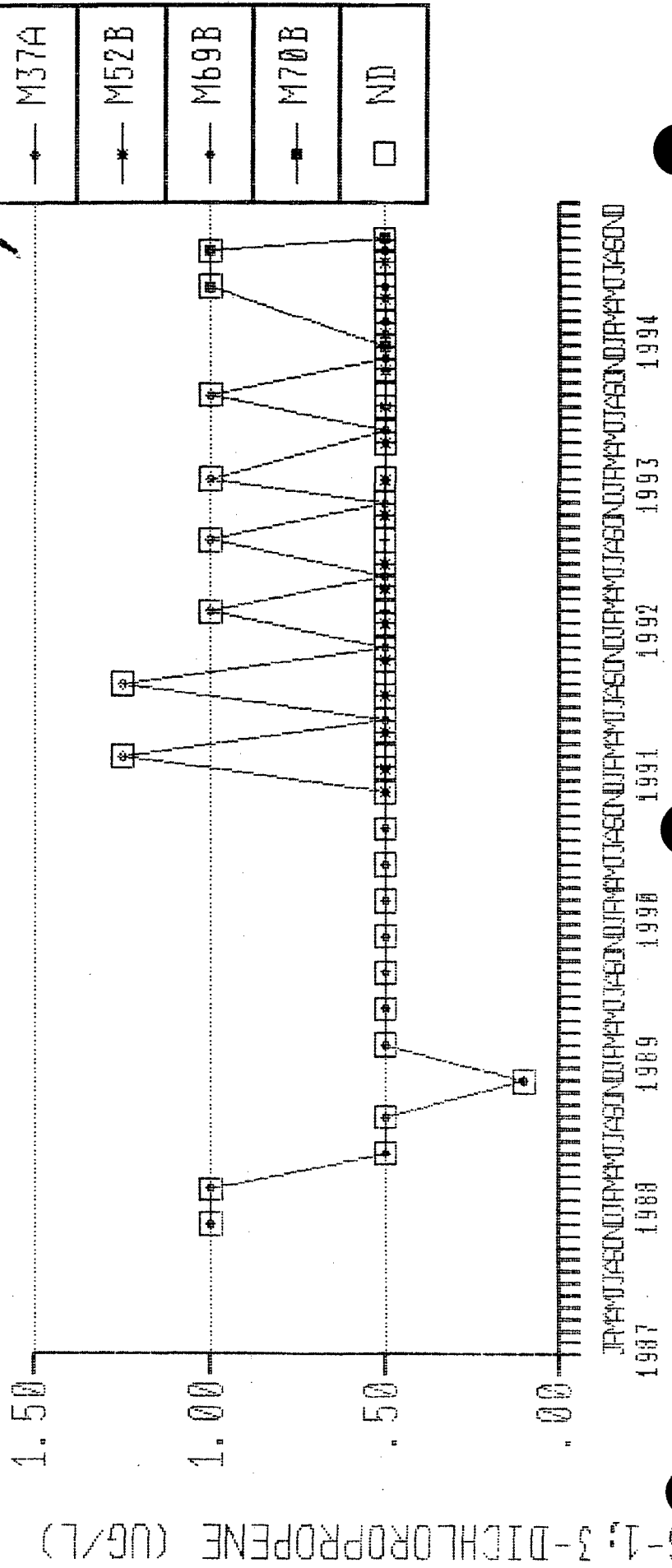


FIGURE 16-F
 PALOS VERDES LANDFILL
 CIS-1,3-DICHLOROPROPENE
 OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



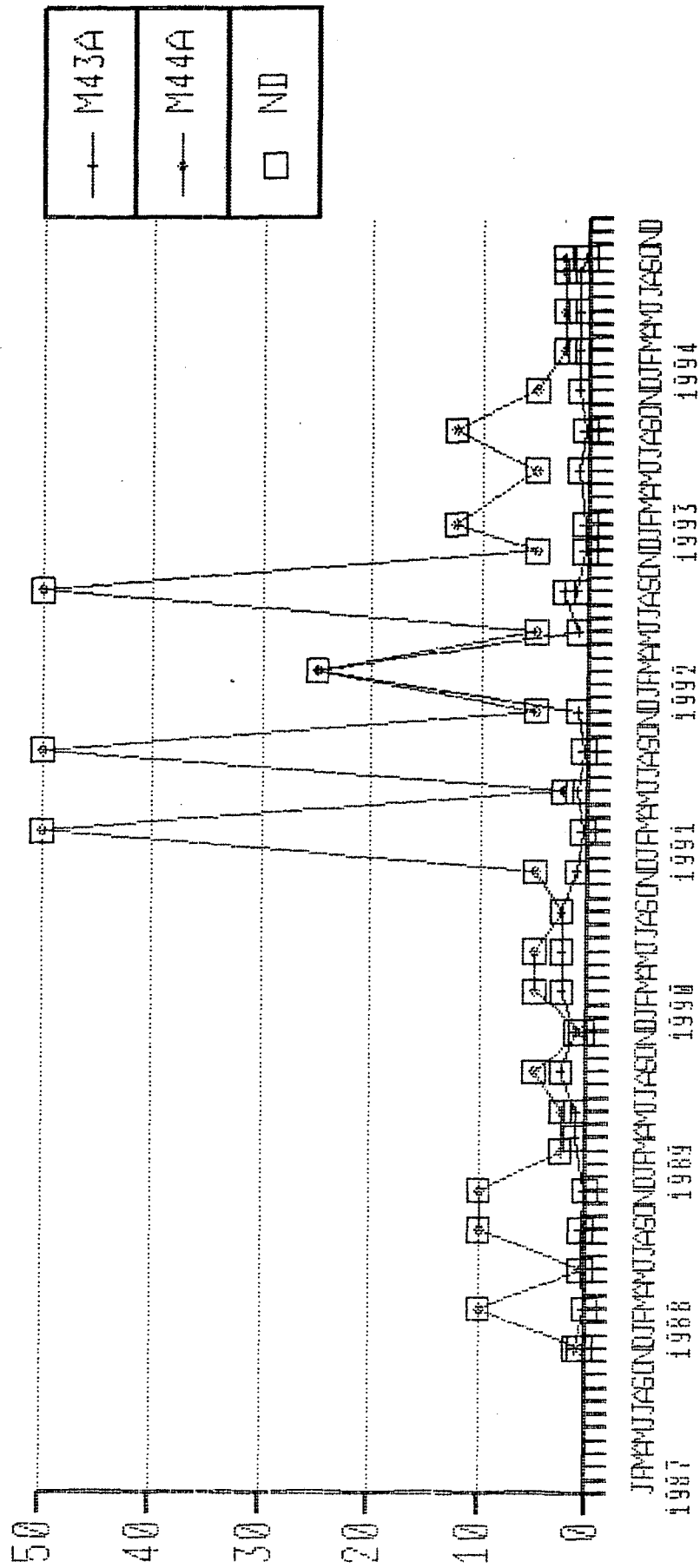
S-1, 3-DICHLOROPROPENE (UG/L)

FIGURE 16-G

PALOS VERDES LANDFILL

CIS-1,3-DICHLOROPROPENE

ON SITE WELLS: NEAR CRENSHAW BLVD.



S-1, 3-DICHLOROPROPENE (UG/L)

FIGURE 16-H
 PALOS VERDES LANDFILL
 CIS-1,3-DICHLOROPROPENE
 SUMP 7 AND PARCEL 4 SUMP

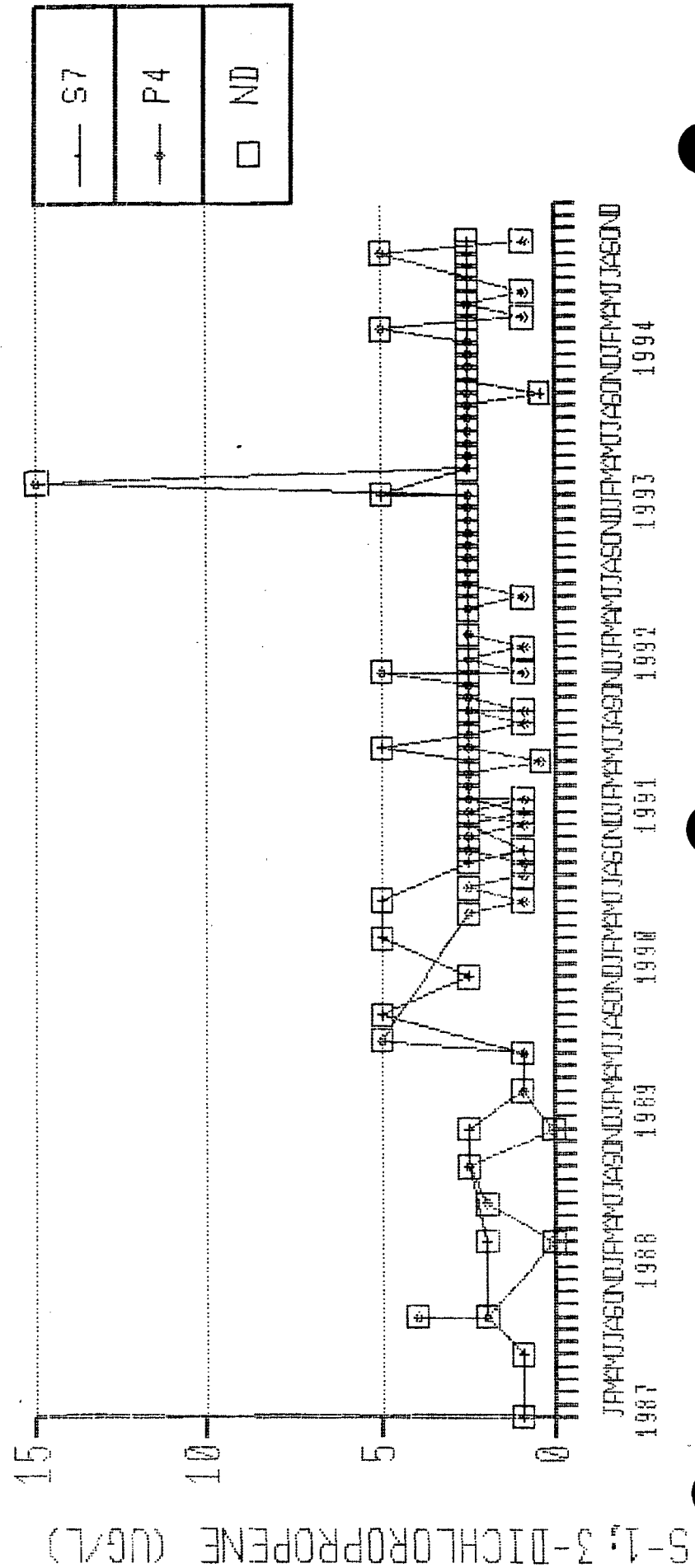
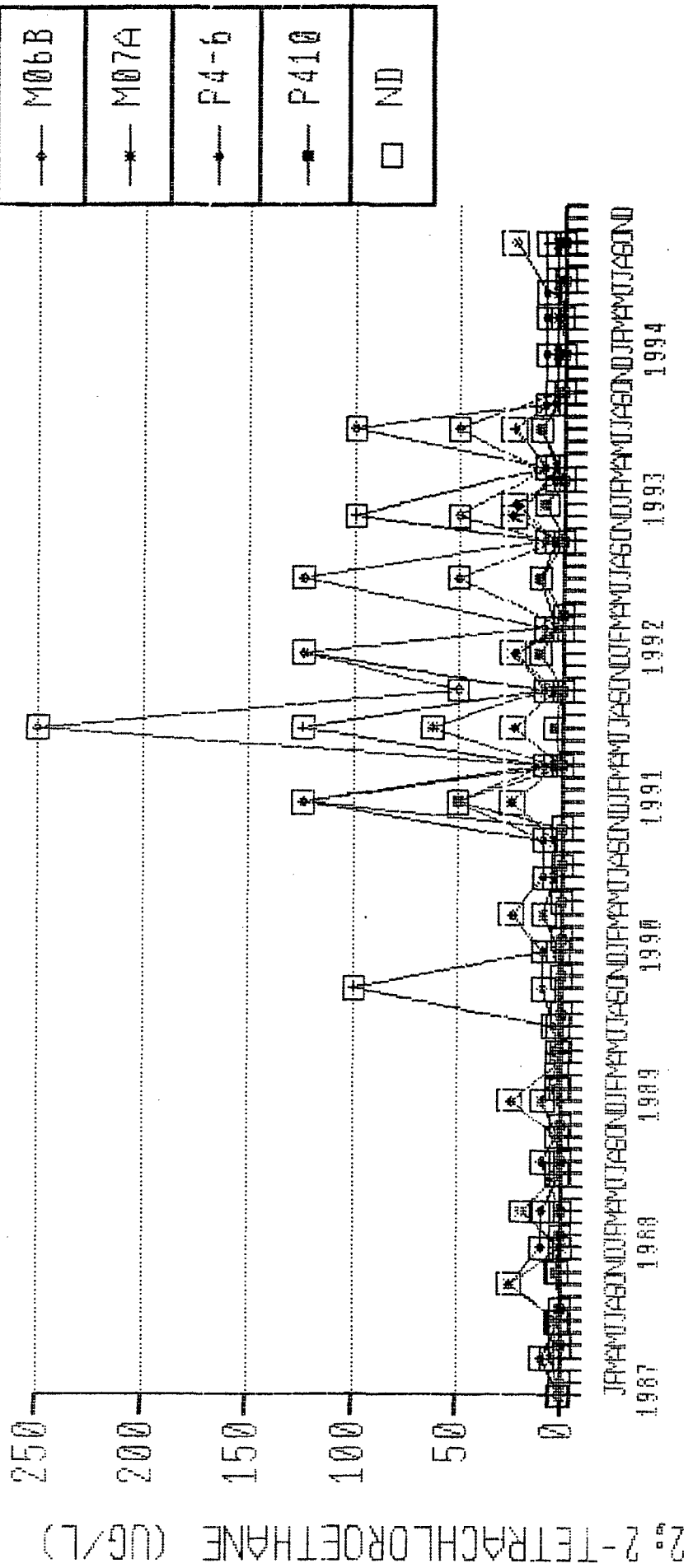


FIGURE 17-A
 PALOS VERDES LANDFILL
 1,1,2,2-TETRACHLOROETHANE
 ON SITE DOWNGRADIENT WELLS: NEAR HAWTHORNE BLVD.

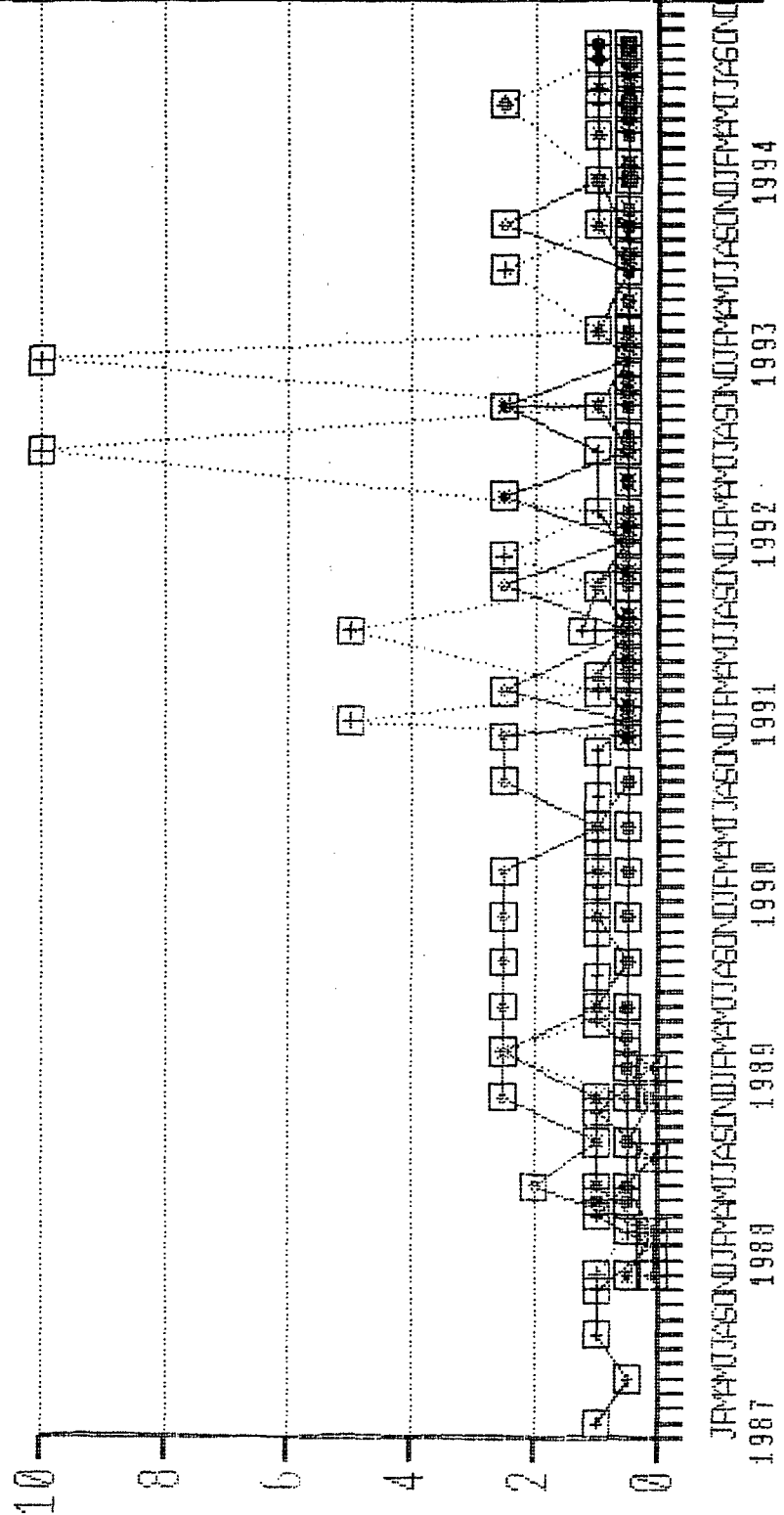


2,2-TETRACHLOROETHANE (UG/L)

FIGURE 17-B

PVLF

1,1,2,2-TETRACHLOROETHANE
OFF SITE DG W; HWTRN BL



2,2-TETRACHLOROETHANE (UG/L)

—	PV3
—	M23A
—	M24A
—	M25A
—	M26A
—	M49A
—	M50B
—	M51B
—	M63B
—	M64B
□	ND

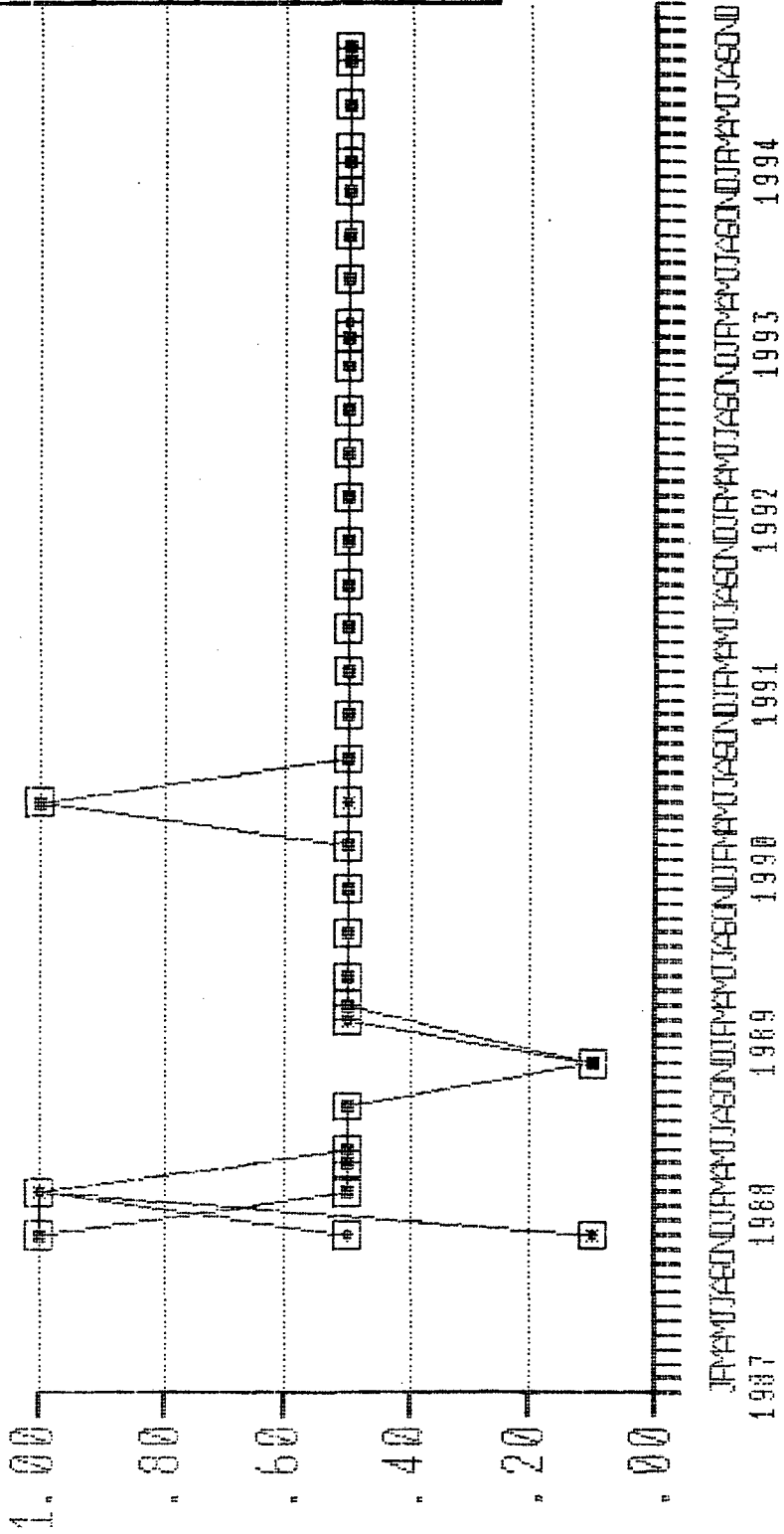
FIGURE 17-C

PALOS VERDES LANDFILL

1,1,2,2-TETRACHLOROETHANE

ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M30B
—●—	M32B
—*—	M33B
—○—	M34B
—■—	M35B
□	ND



2,2-TETRACHLOROETHANE (UG/L)

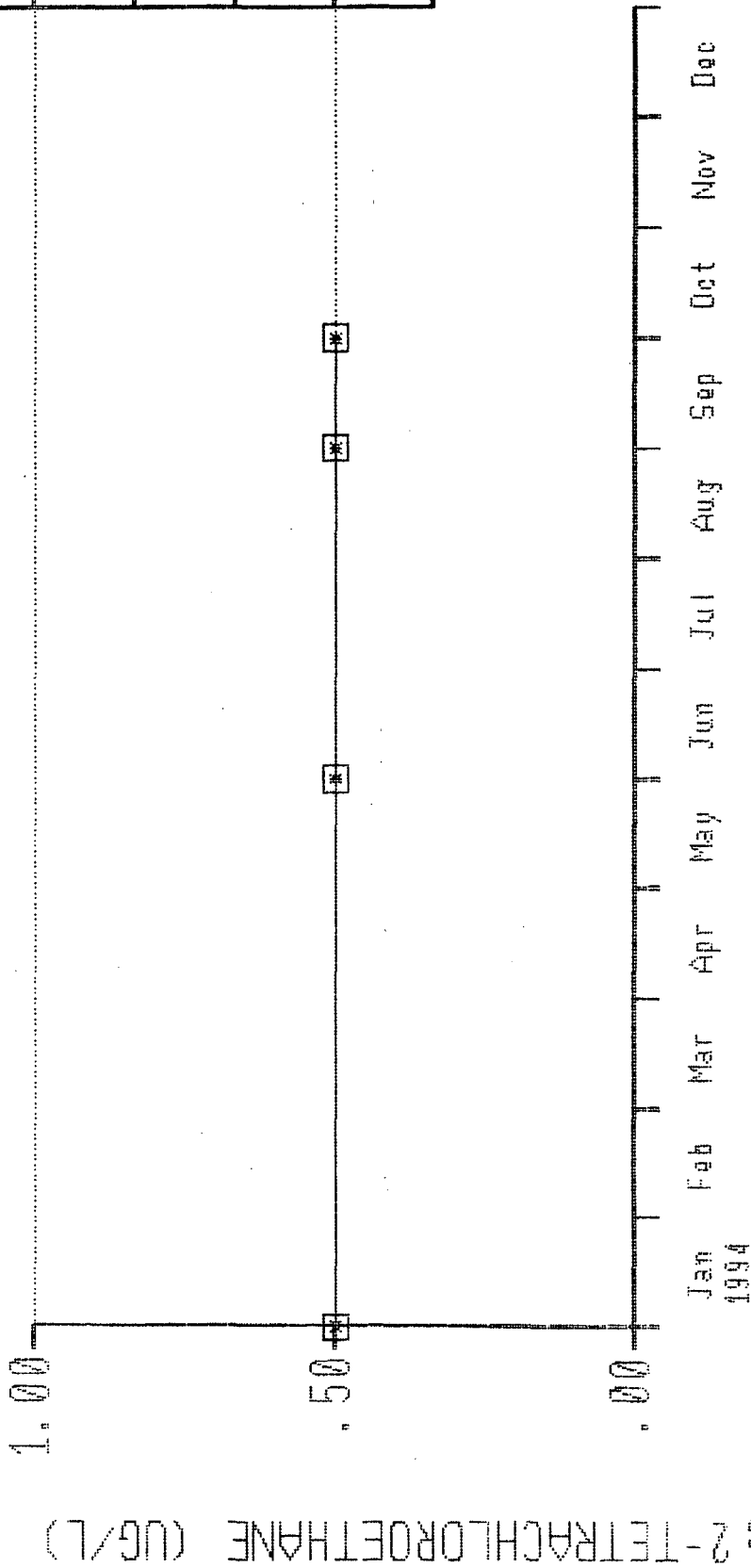
1987 1988 1989 1990 1991 1992 1993 1994

FIGURE 17-D

PALOS VERDES LANDFILL

1,1,2,2-TETRACHLOROETHANE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY



2,2-TETRACHLOROETHANE (UG/L)

FIGURE 17-E
PALOS VERDES LANDFILL
1,1,2,2-TETRACHLOROETHANE
ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

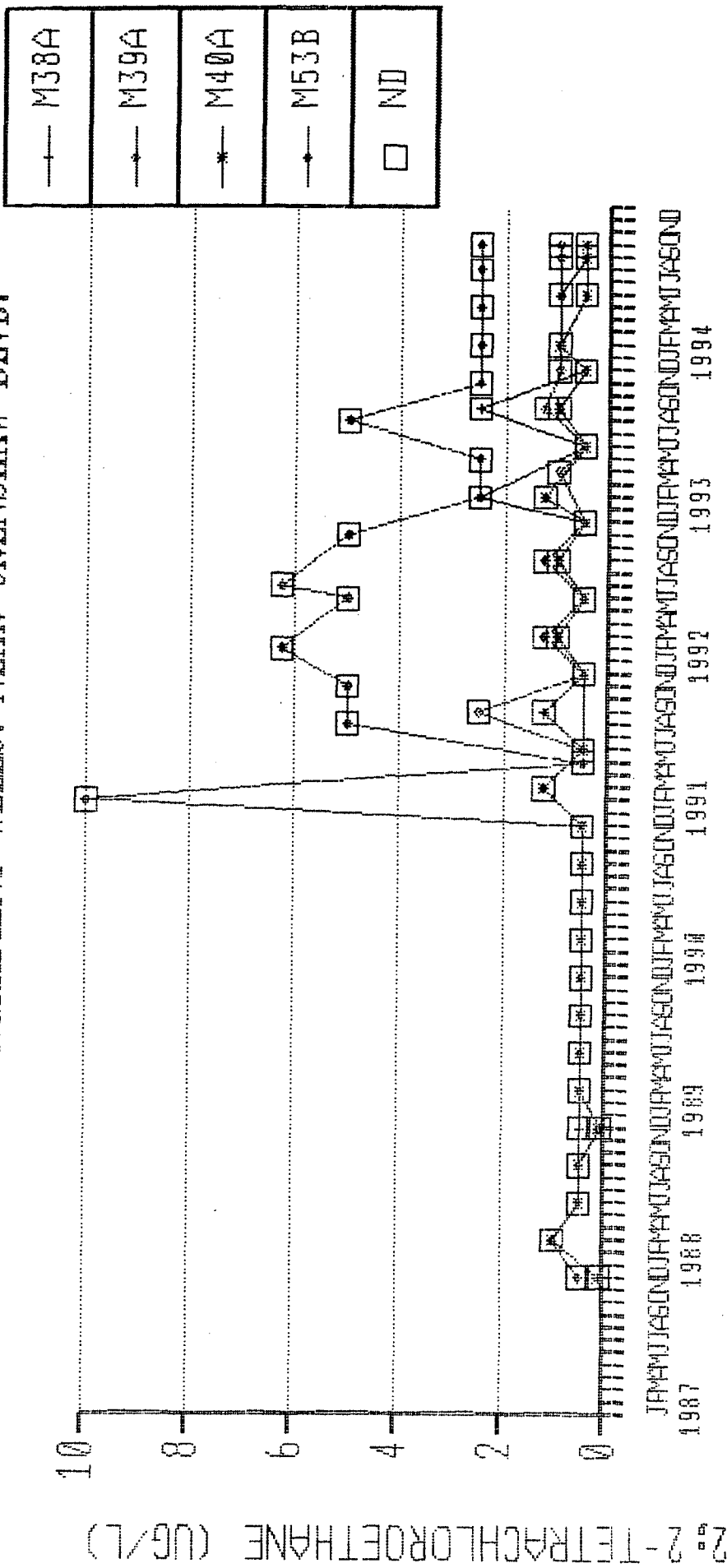
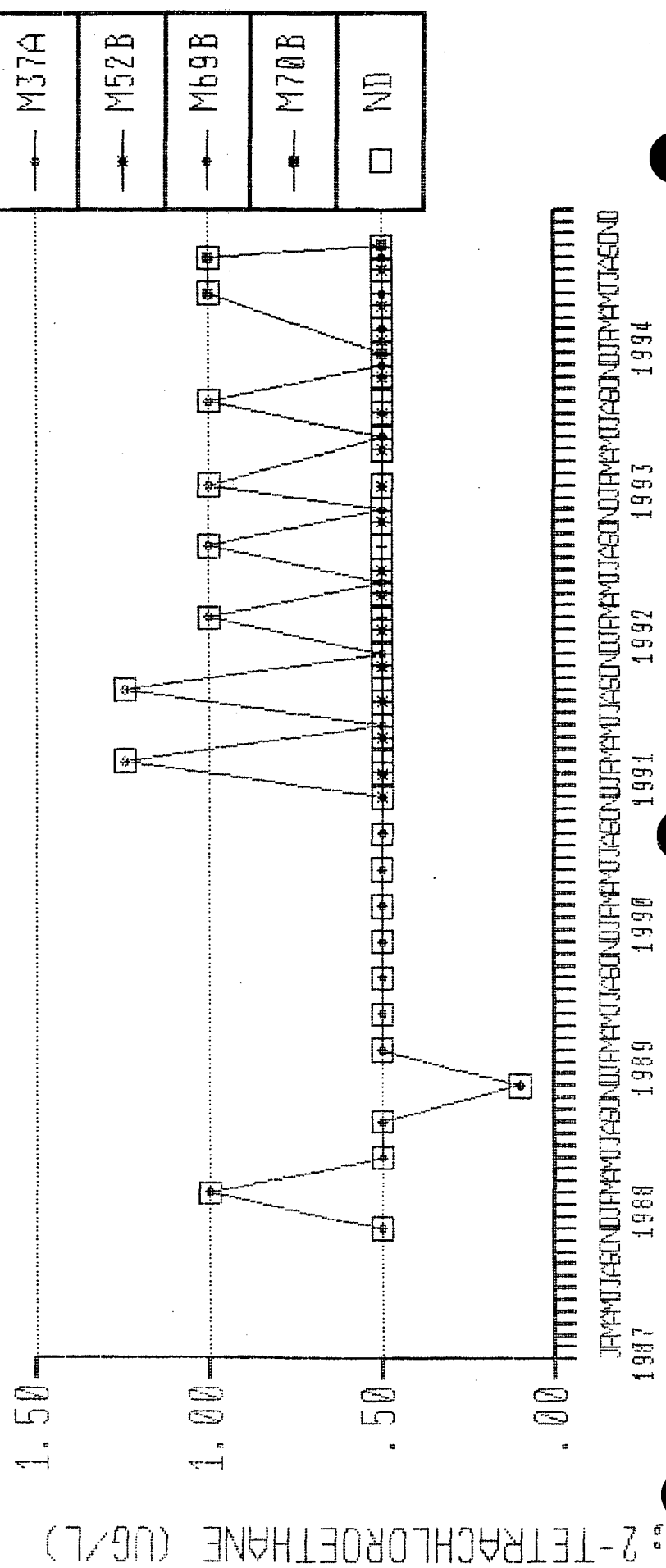


FIGURE 17-F

PALOS VERDES LANDFILL
 1,1,2,2-TETRACHLOROETHANE

OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.



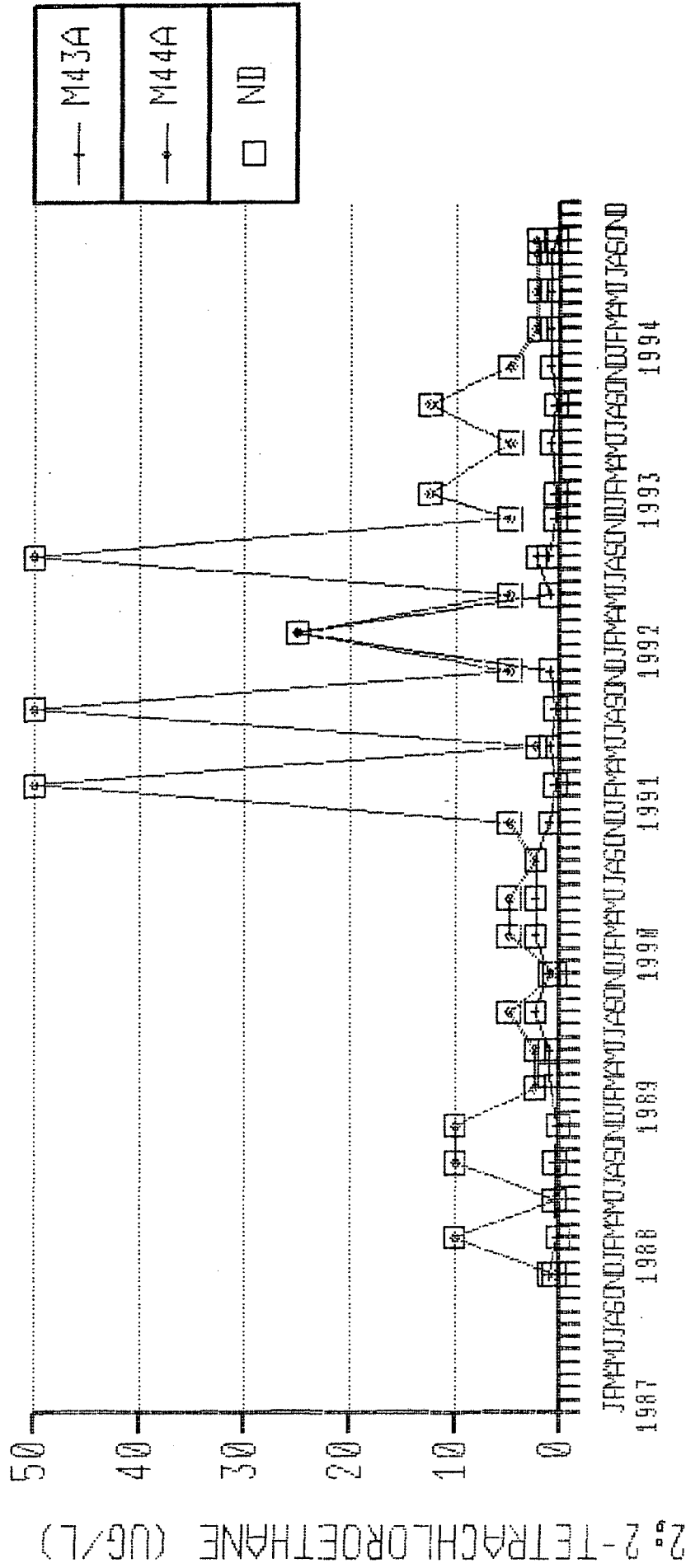
2,2-TETRACHLOROETHANE (UG/L)

FIGURE 17-G

PALOS VERDES LANDFILL

1,1,2,2-TETRACHLOROETHANE

ON SITE WELLS: NEAR CRENSHAW BLVD.



2,2-TETRACHLOROETHANE (UG/L)

FIGURE 17-H
 PALOS VERDES LANDFILL
 1,1,2,2-TETRACHLOROETHANE
 SUMP 7 AND PARCEL 4 SUMP

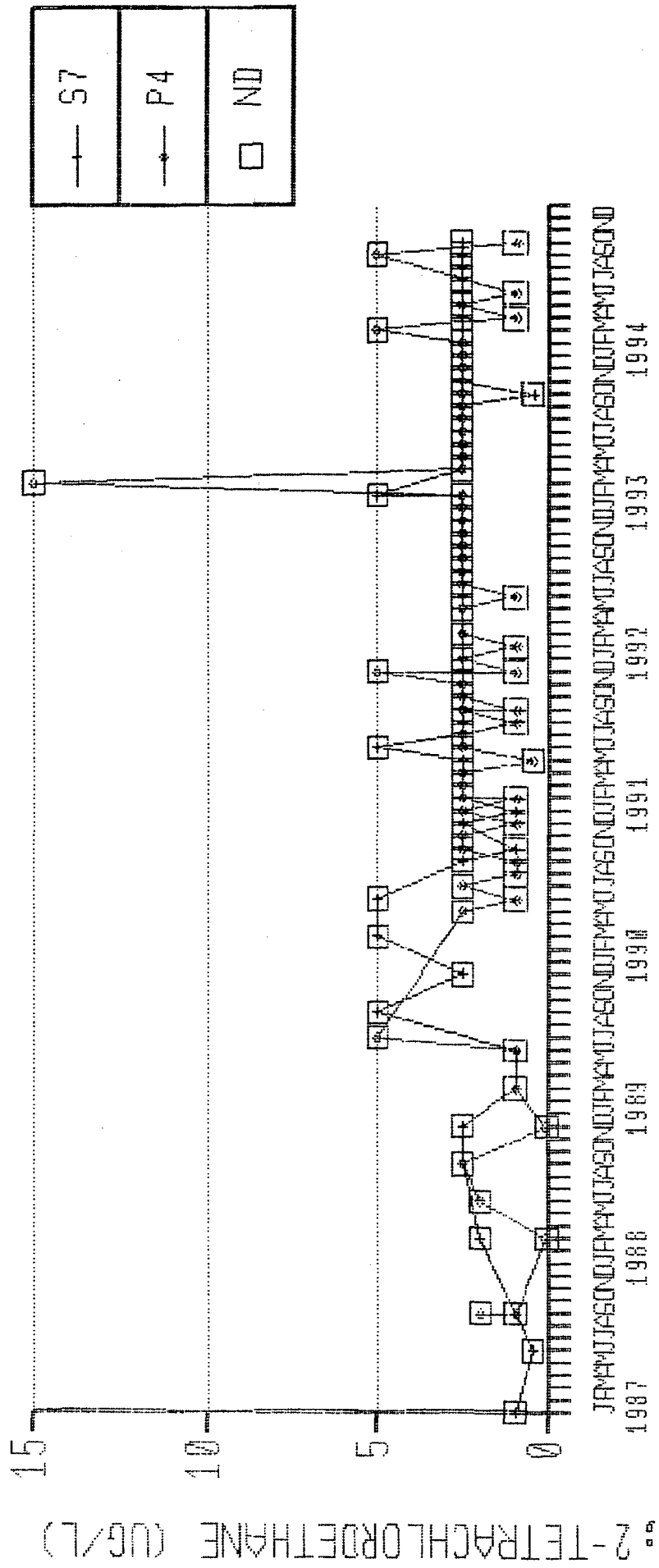
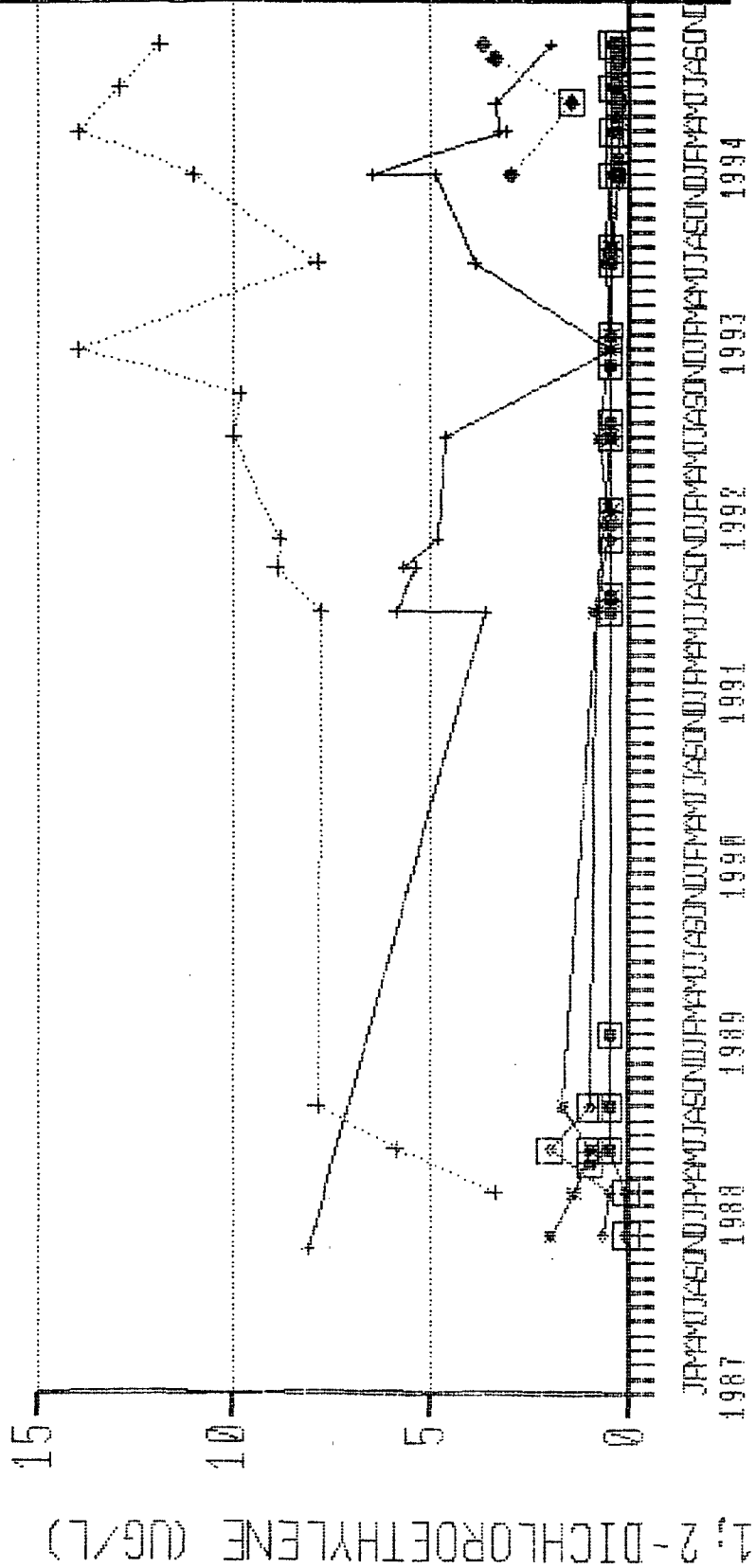


FIGURE 18-B

PVLF

CIS-1,2-DICHLOROETHYLENE

OFF SITE DG W; HATHRN BL



-1, 2-DICHLOROETHYLENE (UG/L)

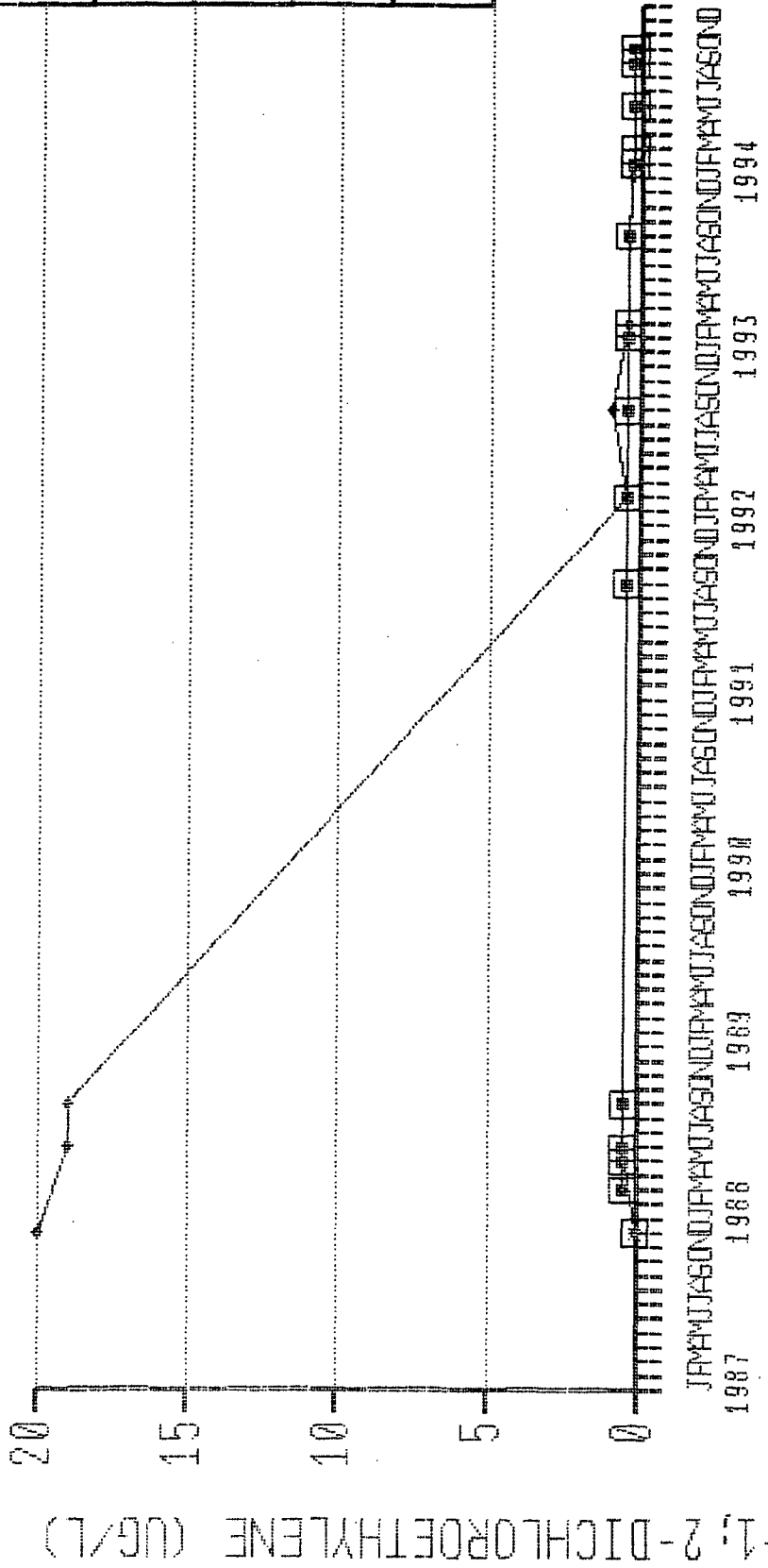
FIGURE 18-C

PALOS VERDES LANDFILL

CIS-1,2-DICHLOROETHYLENE

ON SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M30B
—•—	M32B
—*—	M33B
—◊—	M34B
—■—	M35B
□	ND



-1, 2-DICHLOROETHYLENE (UG/L)

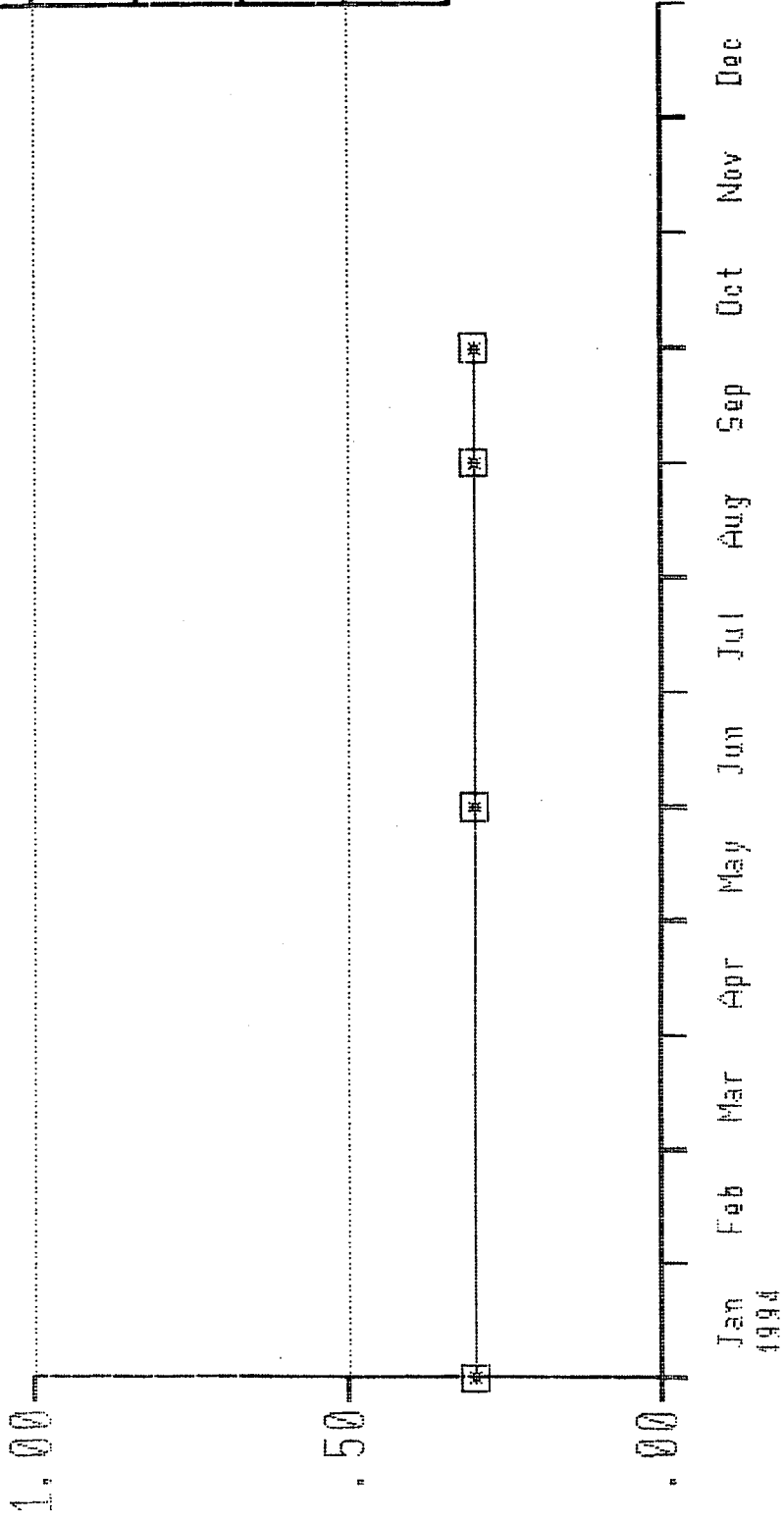
FIGURE 18-D

PALOS VERDES LANDFILL

CIS-1,2-DICHLOROETHYLENE

OFF SITE DOWNGRADIENT WELLS: NORTHEAST BOUNDARY

—+—	M65B
—•—	M66B
—*—	M67B
—•—	M68B
□	ND



-1,2-DICHLOROETHYLENE (UG/L)

FIGURE 18-E

PALOS VERDES LANDFILL

CIS-1,2-DICHLOROETHYLENE

ON SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

—+—	M38A
—•—	M39A
—*—	M40A
—•—	M53B
□	ND

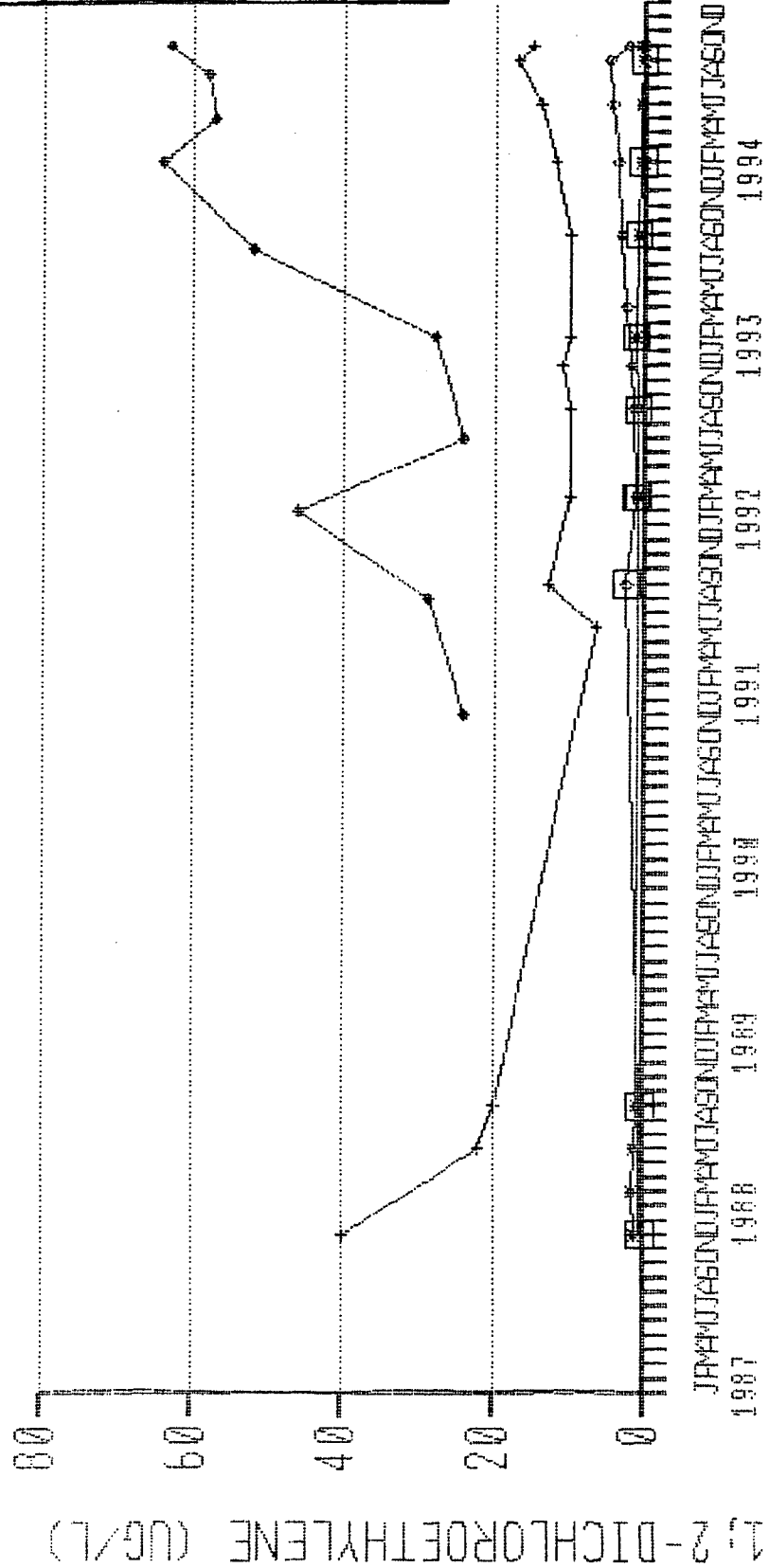


FIGURE 18-F
 PALOS VERDES LANDFILL
 CIS-1,2-DICHLOROETHYLENE
 OFF SITE DOWNGRADIENT WELLS: NEAR CRENSHAW BLVD.

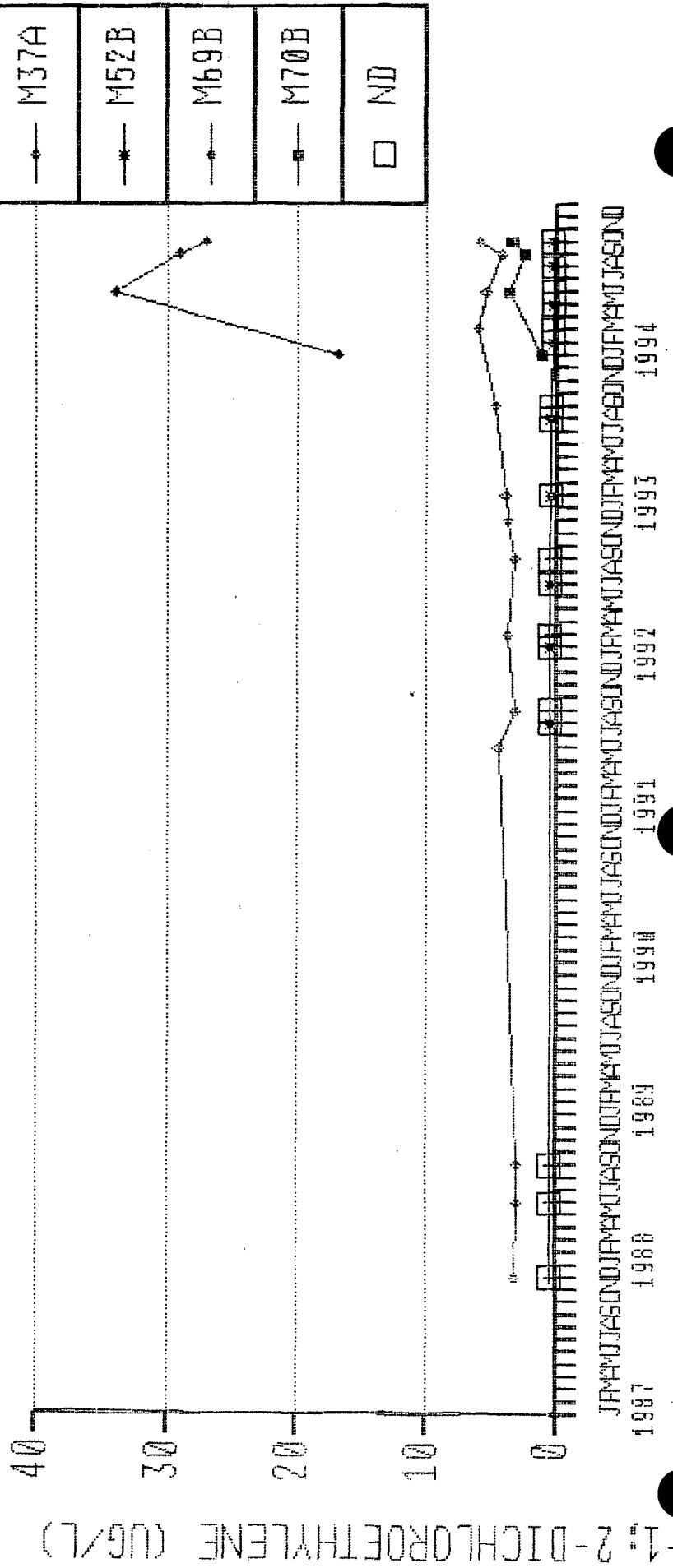


FIGURE 18-G
 PALOS VERDES LANDFILL
 CIS-1,2-DICHLOROETHYLENE
 ON SITE WELLS: NEAR CRENSHAW BLVD.

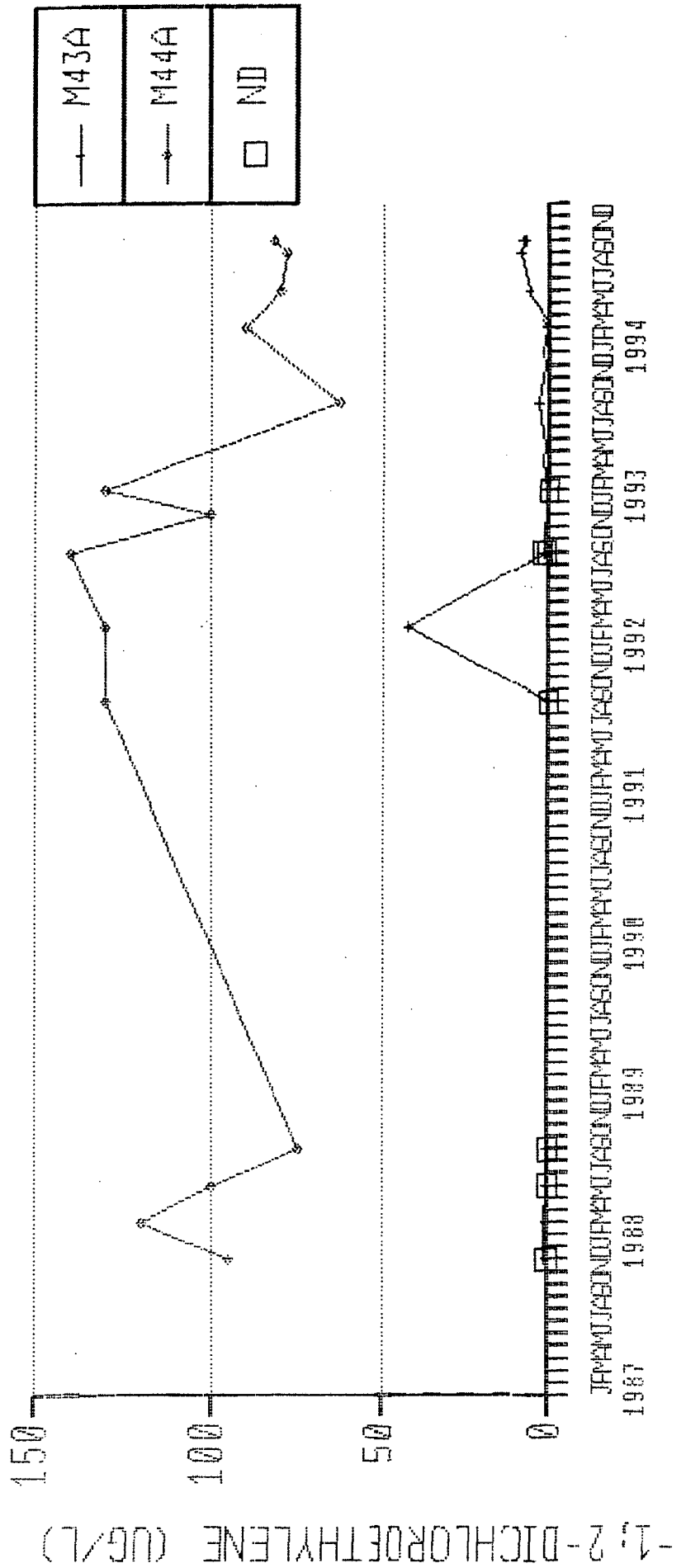


FIGURE 18-H
 PALOS VERDES LANDFILL
 CIS-1,2-DICHLOROETHYLENE
 SUMP 7 AND PARCEL 4 SUMP

