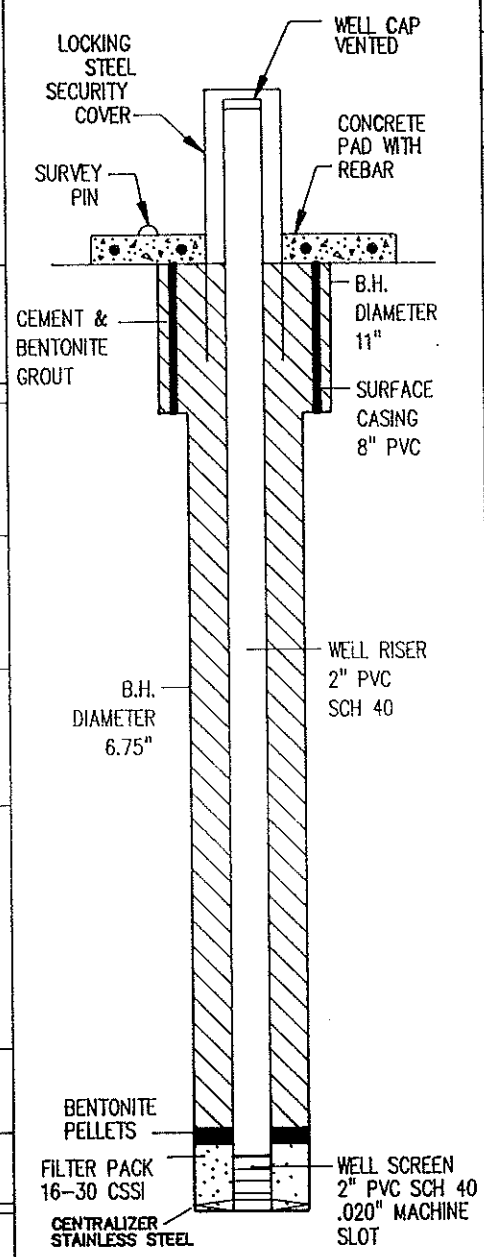
APPENDIX C

WELL INSTALLATION RECORDS AND LITHOLOGIC LOGS

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
491.53				
490.27				
489.8	0.0	SAND: brown to red brown, fine to coarse grained, silty, clayey, pebbly @ 3.5 to 5.0: roots and branches		
	10.0	CLAY: red brown, some silt		
		CLAY: red brown and gray, some silt @ 17.7 to 20.3: silty @ 11.5 to 13.5 and 14.5 to 15.5: sand: yellow orange and gray, very fine grained, silty		
	20.0			
		SAND: yellow orange to light brown, very fine to fine grained, silty, some clay to clayey @ 27.7 to 28.4, 30.8 to 31.2, 32.5 to 33.2, 33.5 to 34.2: clay: yellow and gray, silty, sandy		
	30.0			
		CLAY: gray to dark gray @ 37.1 to 37.5 silty @ 40.8 to 42.3 and 44.0 to 47.5: sand: yellow orange and gray, very fine grained, silty, thinly bedded		
	40.0			
	50.0	SAND: yellow orange and gray, very fine to fine grained, silty, some clay @ 54.5, 56.5, 60.5 to 61.2, 61.9 to 63.0, 65.0 to 66.0 and 69.0 to 70.0: clay: brown and gray, some silt, some sand, very fine		
	60.0			
	70.0	CLAY: dark gray, some silt and sand-very fine (as thin laminae) @ 73.0 to 74.0 & 76.2 to 76.4: sand: gray, very fine grained, silty		
	80.0	SAND: gray, very fine grained, silty, some clay		
		CLAY: dark gray		
	90.0			
	100.0			
	110.0			

Well Completion Detail



B.O.H. = 85.9 FT.

B&F ENGINEERING, INC.

928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

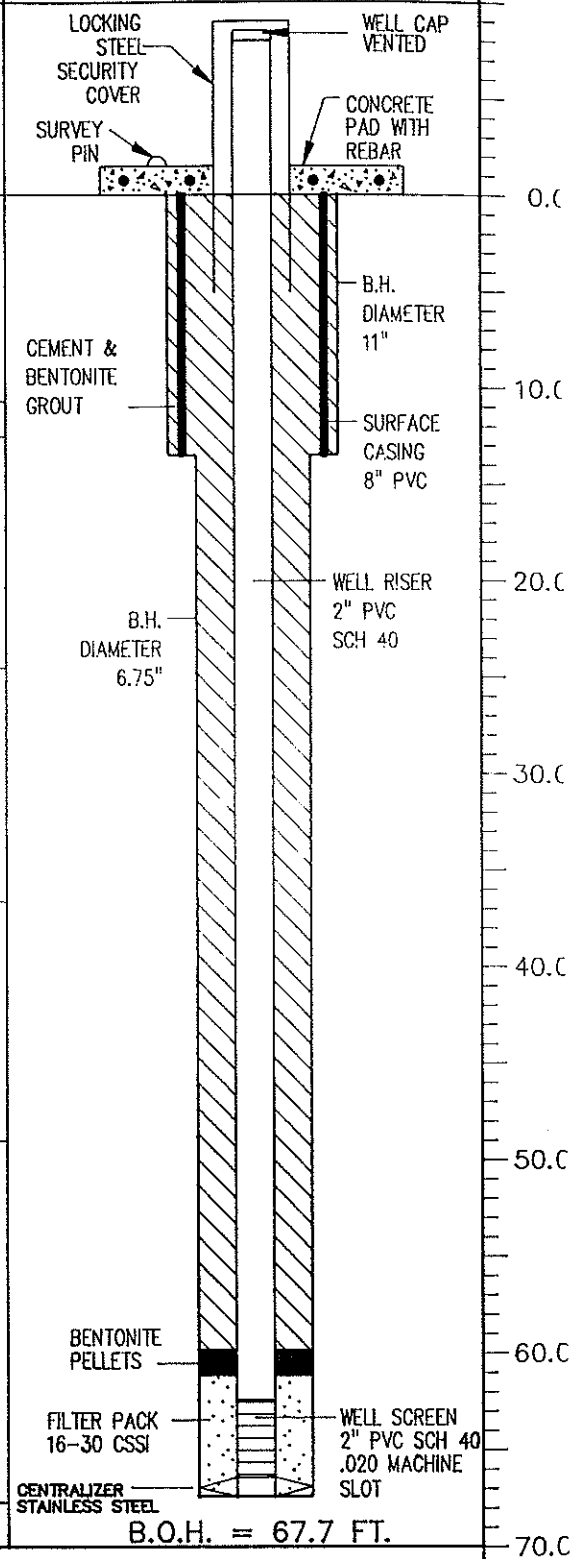
Well Record P-1A (MW-1A)
Job Name/Number 7-2397-0101
Coordinates N. 3697.6 E. 5001.5
Installation Date 10-13-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB

ACAD NO. 7-2397-0101-047 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
492.12				
490.69				
490.2	0.0	SAND: brown to red, fine to coarse grained, silty, clayey, pebbly @ 3.5 to 5.0: roots and branches		
	10.0	CLAY: red brown, some silt		
		CLAY: red brown and gray, some silt @ 17.7 to 20.3: silty @ 11.5 to 13.5 and 14.5 to 15.5: sand: yellow orange and gray, very fine grained, silty		
	20.0			
		SAND: yellow orange to light brown, very fine to fine grained, silty some clay to clayey @ 27.7 to 28.4, 30.8 to 31.2, 32.5 to 33.2, 33.5 to 34.2: clay: yellow and gray, silty, sandy		
	30.0			
		CLAY: gray to dark gray @ 37.1 to 37.5; silty @ 40.8 to 42.3 and 44.0 to 47.5: sand; yellow orange and gray, very fine grained, silty, thinly bedded		
	40.0			
	50.0	SAND: yellow orange and gray, very fine to fine grained, silty, some clay @ 54.5, 56.5, 60.5 to 61.2, 61.9 to 63.0, 65.0 to 66.0: clay: brown and gray, some silt, some sand, very fine		
	60.0			

Well Completion Detail



B&F ENGINEERING, INC.

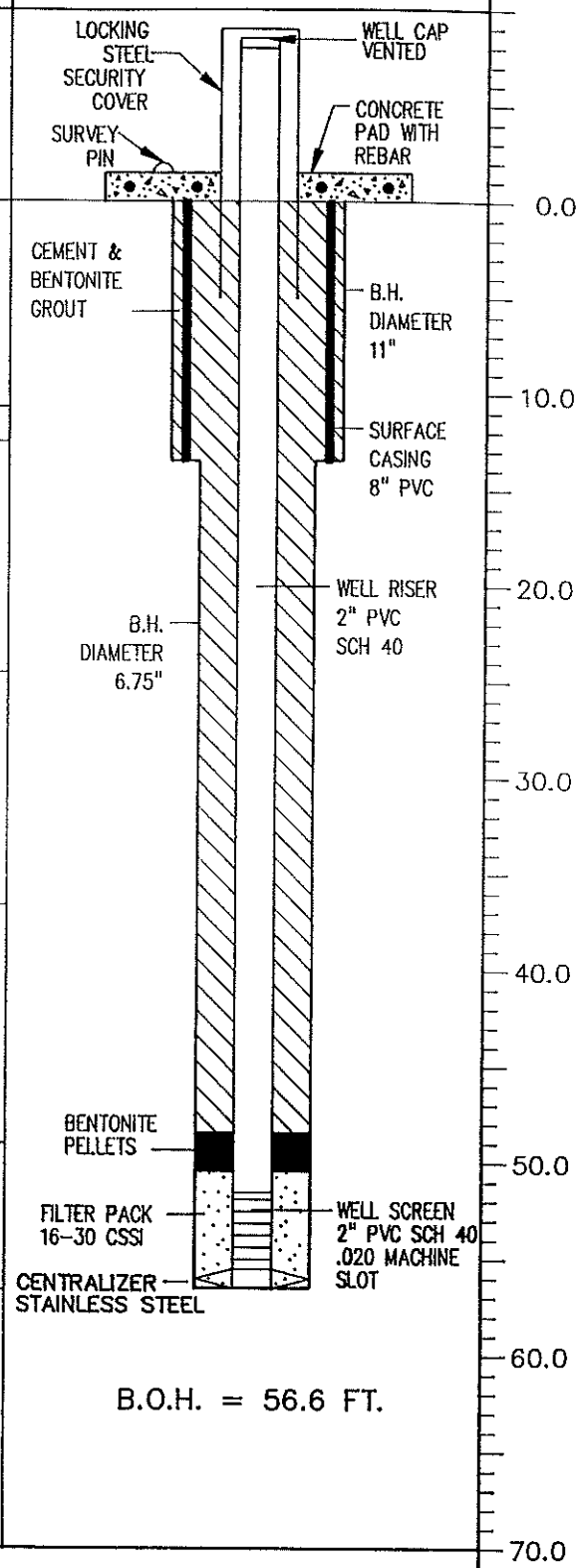
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-1C (MW-1CD)
Job Name/Number 7-2397-0101
Coordinates N. 3707.4 E. 5008.5
Installation Date 10-5-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-042 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
492.23				
490.95				
490.5	0.0	SAND: brown to red, fine to coarse grained, silty, clayey, pebbly @ 3.5 to 5.0: roots and branches		
	10.0	CLAY: red brown, some silt		
		CLAY: red brown and gray, some silt @ 17.7 to 20.3: silty @ 11.5 to 13.5 and 14.5 to 15.5: sand: yellow orange and gray, very fine grained, silty		
	20.0			
		SAND: yellow orange to light brown, very fine to fine grained, silty, some clay to clayey @ 27.7 to 28.4, 30.8 to 31.2, 32.5 to 33.2, 33.5 to 34.2: clay; yellow and gray, silty, sandy		
	30.0			
		CLAY: gray to dark gray @ 37.1 to 37.5: silty @ 40.8 to 42.3 and 44.0 to 47.5: sand: yellow orange and gray, very fine grained, silty, thinly bedded		
	40.0			
	50.0	SAND: yellow orange and gray, very fine to fine grained, silty, some clay @ 54.5 and 56.5: clay: brown and gray, some silt, some sand, very fine		
	60.0			

Well Completion Detail



B.O.H. = 56.6 FT.

B&F ENGINEERING, INC.

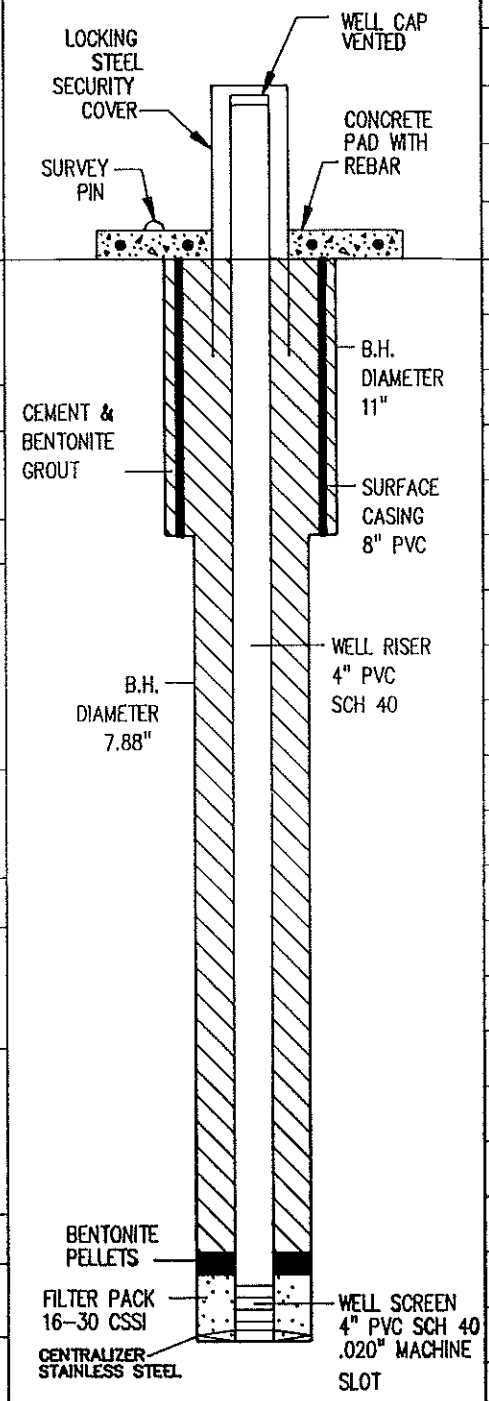
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-1D (MW-1D)
Job Name/Number 7-2397-0101
Coordinates N. 3717.2 E. 5014.6
Installation Date 10-5-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-041 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
495.79				
494.42				
493.9	0.0	GRAVEL: red brown, sandy, clayey @1.0 to 3.5: clay: red brown, silty, sandy, w/pebbles @3.5: wood fragments		
	10.0	CLAY: gray and yellow, some silt, some sand @ 13.0 to 14.0; sand; yellow orange, very fine grained		
	20.0	SAND: yellow orange, very fine grained with thin clay interbeds		
		CLAY: yellow orange w/gray, silty, some sand		
	30.0	SAND: gray, very fine grained @ 33.5 to 36.5: silty, clayey @ 36.5 to 37.5, 42.0 to 43.5; clay: yellow orange with gray, silty, some sand		
	40.0			
	50.0	CLAY: gray and dark gray @ 47.6, 48.8, and 53.6: carbonaceous, pyritic @ 49.3 to 52.5: sand: gray, very fine grained		
		SAND: gray, very fine grained, silty		
	60.0	CLAY: gray to dark gray, some silt @ 61.7 to 64.0; sand; gray as thin laminae @ 64.0 to 66.0, 67.2 to 68.2 and 69.8; sand; gray very fine grained		
	70.0	SAND: gray, very fine to fine grained, silty @ 75.5 to 76.5, 77.5 to 79.0 and 80.7 to 83.0; clay; gray with dark gray, silty @ 82.0 to 82.2; lignite, pyritic		
	80.0			
		CLAY: gray to dark gray, silty, sandy		
	90.0	SAND: gray, very fine grained, silty, some clay carbonaceous, pyritic @ 95.9 to 96.5; clay; dark gray, some silt		
	100.0			
	110.0			

Well Completion Detail



B.O.H. = 97.6 FT.

B&F ENGINEERING, INC.

928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

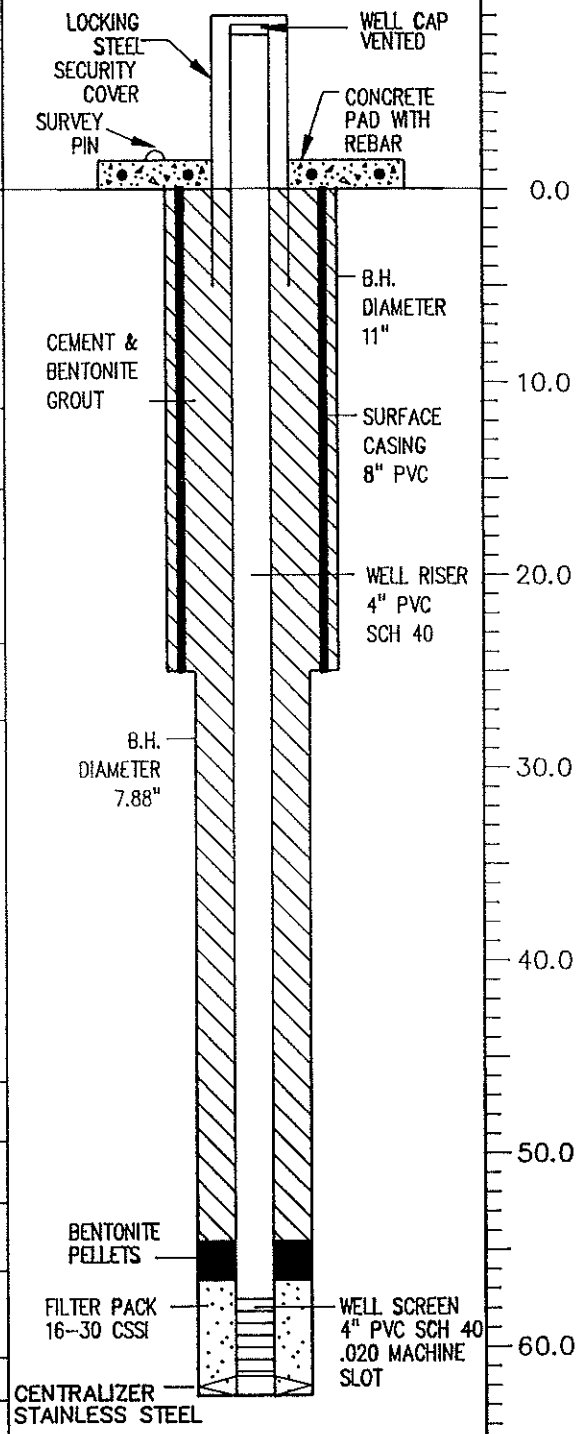
Well Record P-2A (MW-2A)
Job Name/Number 7-2397-0101
Coordinates N. 3655.1 E. 5377.1
Installation Date 10-8-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB

ACAD NO. 7-2397-0101-046 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
495.89				
494.46				
494.0	0.0	GRAVEL: red brown, sandy, clayey @ 1.0to 3.5: clay: red brown, silty, sandy, w/pebbles @ 3.5: wood fragments		
	10.0	CLAY: gray and yellow, some silt, some sand @13.0 to 14.0: sand: yellow orange, very fine grained		
		SAND: yellow orange, very fine grained with thin clay interbeds		
	20.0	CLAY: yellow orange with gray, silty, some sand		
	30.0	SAND: gray, very fine grained @ 33.5 to 36.5: silty, clayey @ 36.5 to 37.5, 42.0 to 43.5: clay: yellow orange with gray, silty, some sand		
	40.0			
		CLAY: gray and dark gray @ 47.6 and 48.8: carbonaceous, pyritic		
	50.0	SAND: gray, very fine grained		
		CLAY: dark gray @ 53.6: carbonaceous, pyritic		
		SAND: gray, very fine grained, silty		
	60.0	CLAY: gray to dark gray, some silt @ 61.7 to 62.7: sand: gray, as thin laminae		

Well Completion Detail



B&F ENGINEERING, INC.

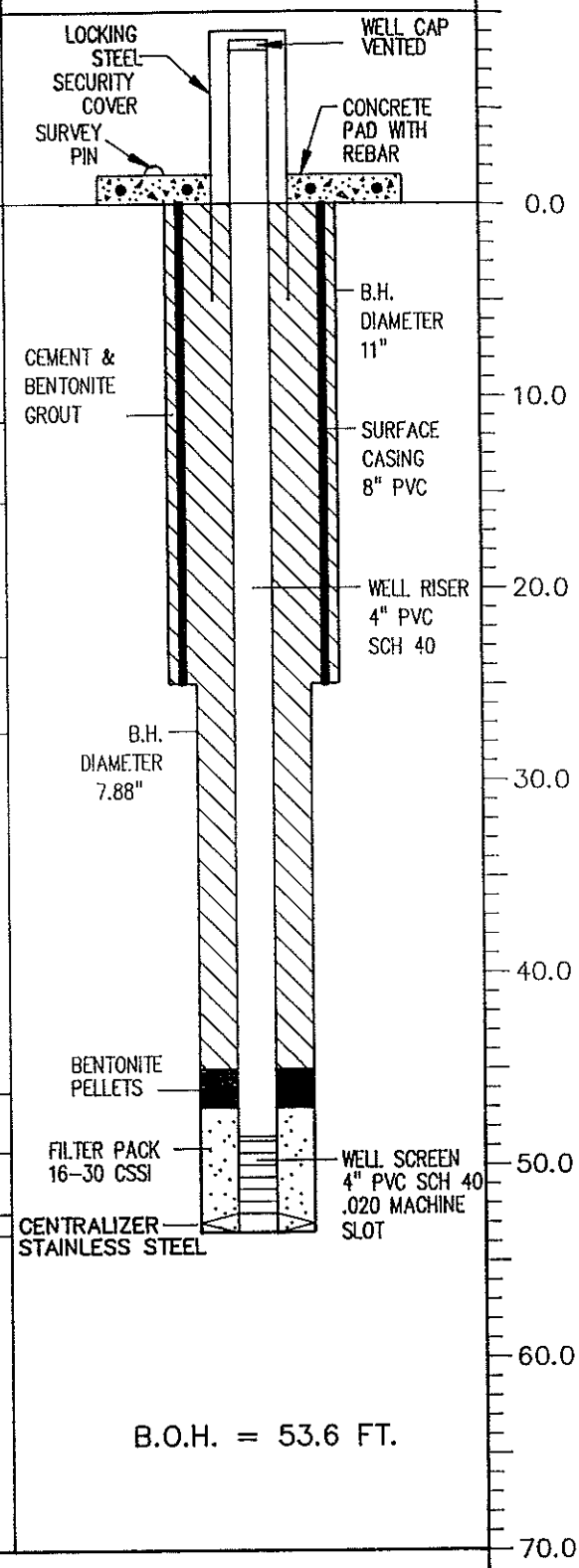
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-2C (MW-2D)
Job Name/Number 7-2397-0101
Coordinates N. 3649.0 E. 5372.7
Installation Date 10-12-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-043 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
495.92				
494.61				
494.1	0.0	GRAVEL: red brown, sandy, clayey @ 1.0to 3.5: clay: red brown, silty, sandy, w/pebbles @ 3.5: wood fragments		
	10.0	CLAY: gray and yellow, some silt, some sand @13.0 to 14.0: sand: yellow orange, very fine grained		
		SAND: yellow orange, very fine grained with thin clay interbeds		
	20.0	CLAY: yellow orange with gray, silty, some sand		
	30.0	SAND: gray, very fine grained @ 33.5 to 36.5: silty, clayey @ 36.5 to 37.5, 42.0 to 43.5: clay: yellow orange with gray, silty, some sand		
	40.0			
		CLAY: gray and dark gray @ 47.6 and 48.8: carbonaceous, pyritic		
	50.0	SAND: gray, very fine grained		
		CLAY: dark gray @ 53.6: carbonaceous, pyritic		
	60.0			

Well Completion Detail



B.O.H. = 53.6 FT.

B&F ENGINEERING, INC.

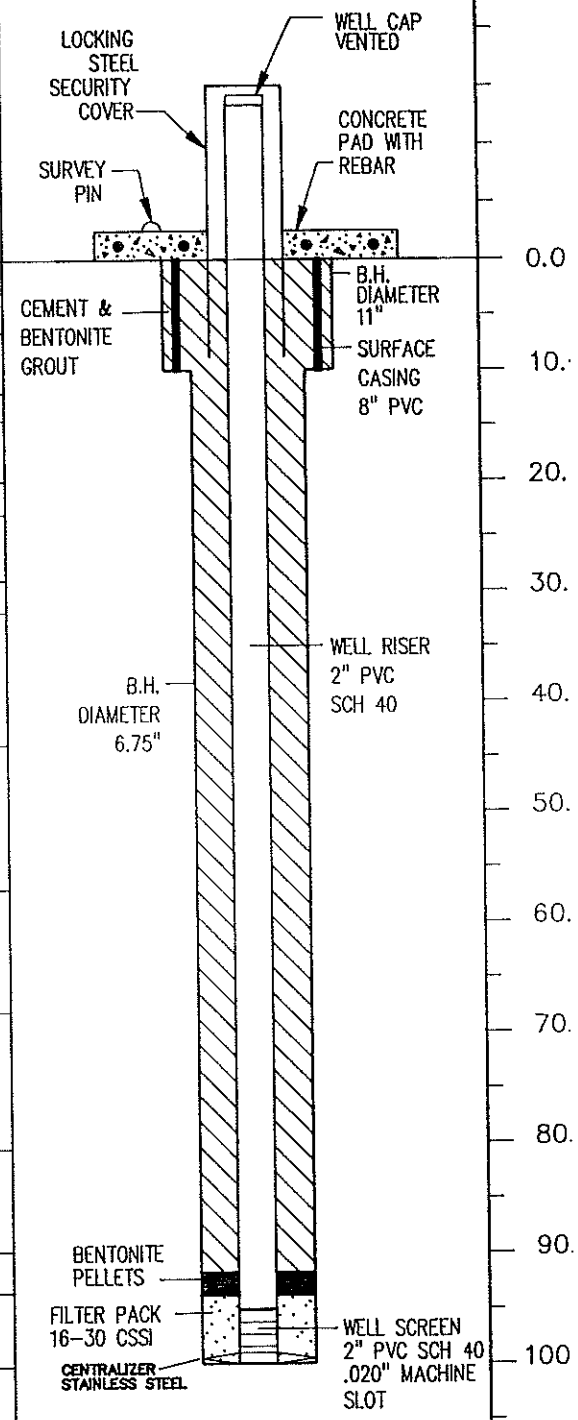
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-2D (MW-2E)
Job Name/Number 7-2397-0101
Coordinates N. 3642.6 E. 5368.4
Installation Date 10-13-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-044 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
484.55				
483.16				
482.7	0.0	CLAY: red brown with gray, silty, some sand @ 0 to 2.5: very sandy, pebbly		
	10.0	CLAY: gray; some silt-sand, very fine		
		CLAY: red brown and yellow orange, silty, sandy, very fine grained @13.5 to 14.5 very sandy		
		SAND: gray, red brown and yellow orange, very fine to fine grained, some clay to clayey, silty @18.1 to 18.4: clay: yellow orange, silty		
	20.0	CLAY: gray, silty, sandy very fine, sand decreasing with depth		
		SAND: gray, very fine grained, silty, clayey @25.0 to 26.5: clay: yellow orange, and gray		
	30.0	CLAY: yellow orange and gray, silty @ 28.1 to 29.5: carbonaceous		
		SAND: gray with yellow orange, very fine to fine grained, silty, friable @36.7 to 37.3: clay: gray, with sand laminae		
	40.0			
		CLAY: gray, silty @ 47.0 to 50.0 and 53.2 to 55.0: very sandy		
	50.0			
	60.0	SAND: light brown, very fine to fine grained, friable @ 62.9 to 64.0, 61.5 to 67.0: clay: gray to dark gray, silty, sandy		
	70.0	CLAY: gray to dark gray, silty, some sand, very fine @ 69.4 to 70.4, and 73.0 to 75.9: sand: gray, very fine to fine grained @ 77.8 to 80.5: sandy		
	80.0	SAND: gray, very fine grained @ 84.5 and 87.6: clay: gray to dark gray		
	90.0	CLAY: gray to dark gray @93.4: carbonaceous		
		SAND: gray, very fine grained, carbonaceous, some clay		
	100.0			
	110.0			

Well Completion Detail



B.O.H. = 100.2 FT.

B&F ENGINEERING, INC.

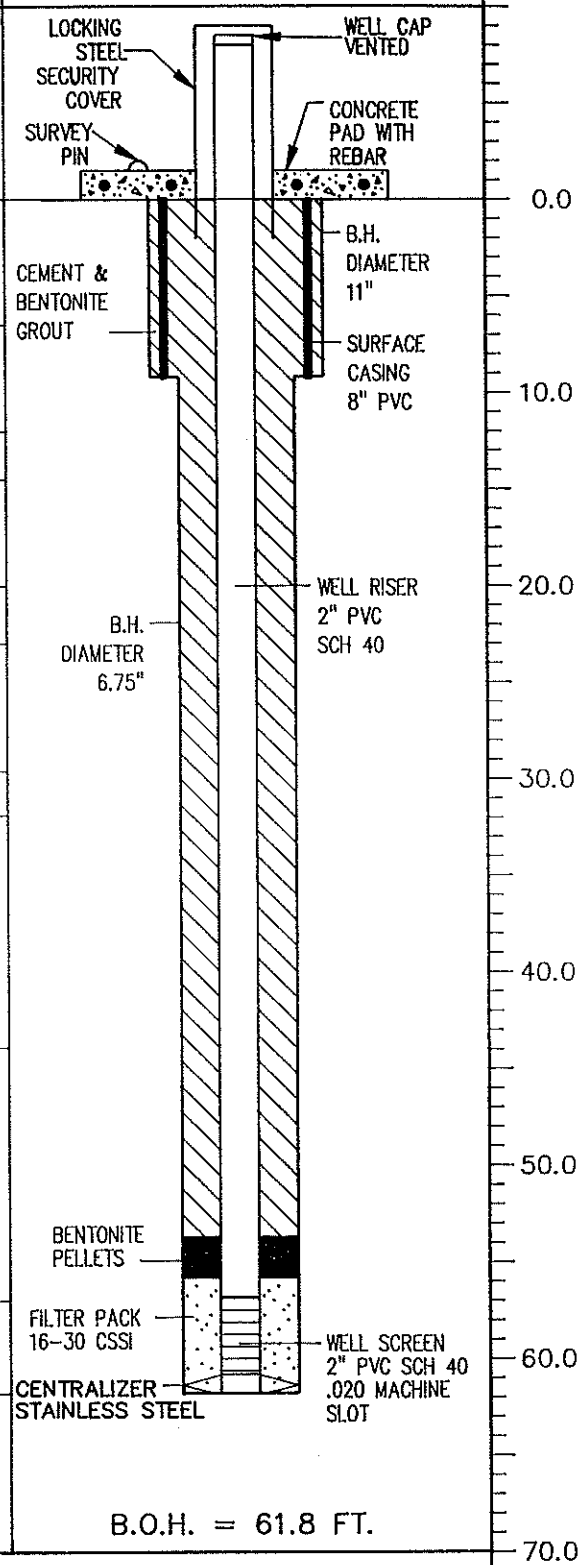
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-4A (MW-4A)
Job Name/Number 7-2397-0101
Coordinates N. 3419.0 E. 5353.5
Installation Date 9-12-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-048 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
484.55				
483.18				
482.7	0.0	CLAY: red brown with gray, silty, some sand @ 0 to 2.5: very sandy, pebbly		
	5.0	CLAY: gray, some silt-sand, very fine		
	10.0	CLAY: red brown and yellow orange, silty, sandy, very fine grained @ 13.5 to 14.5 very sandy		
	15.0	SAND: gray, red brown and yellow orange, very fine to fine grained, some clay to clayey, silty @ 19.1 to 19.4: clay: yellow orange, silty		
	20.0	CLAY: gray, silty, sandy, very fine; sand decreasing with depth		
	25.0	SAND: gray, very fine grained, silty, clayey @25.0 to 26.5: clay: yellow orange, and gray		
	30.0	CLAY: yellow orange and gray, silty @ 29.1 to 29.5: carbonaceous		
	35.0	SAND: gray with yellow orange, very fine to fine grained, silty, friable @36.7 to 37.3: clay: gray, with sand laminae		
	40.0			
	45.0	CLAY: gray, silty @ 47.0 to 50.0 and 53.2 to 55.0: very sandy		
	50.0			
	55.0			
	60.0	SAND: light brown, very fine to fine grained, friable		
	65.0			

Well Completion Detail



B.O.H. = 61.8 FT.

B&F ENGINEERING, INC.

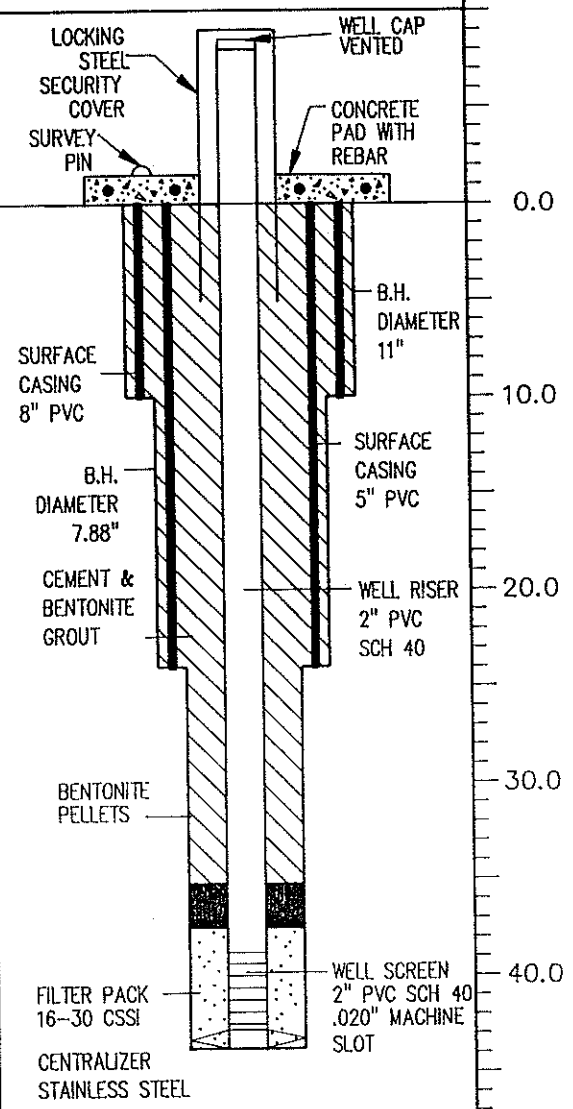
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-4C (MW-4D)
Job Name/Number 7-2397-0101
Coordinates N. 3420.1 E. 5343.2
Installation Date 9-19-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-038 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
484.03				
482.93				
482.4	0.0	CLAY: red brown with gray, silty, some sand @ 0 to 2.5: very sandy, pebbly		
	5.0	CLAY: gray, some silt–sand, very fine		
	10.0	CLAY: red brown and yellow orange, silty, sandy, very fine grained @ 13.5 to 14.5 very sandy		
	15.0	SAND: gray, red brown and yellow orange, very fine to fine grained, some clay to clayey, silty @ 19.1 to 19.4: clay: yellow orange, silty		
	20.0	CLAY: gray, silty, sandy, very fine; sand decreasing with depth		
	25.0	SAND: gray, very fine grained, silty, clayey @25.0 to 26.5: clay: yellow orange, and gray		
	30.0	CLAY: yellow orange and gray, silty @ 29.1 to 29.5: carbonaceous		
	35.0	SAND: gray with yellow orange, very fine to fine grained, silty, friable @36.7 to 37.3: clay: gray, with sand laminae		
	40.0			
	45.0			

Well Completion Detail



B.O.H. = 43.7 FT.

B&F ENGINEERING, INC.

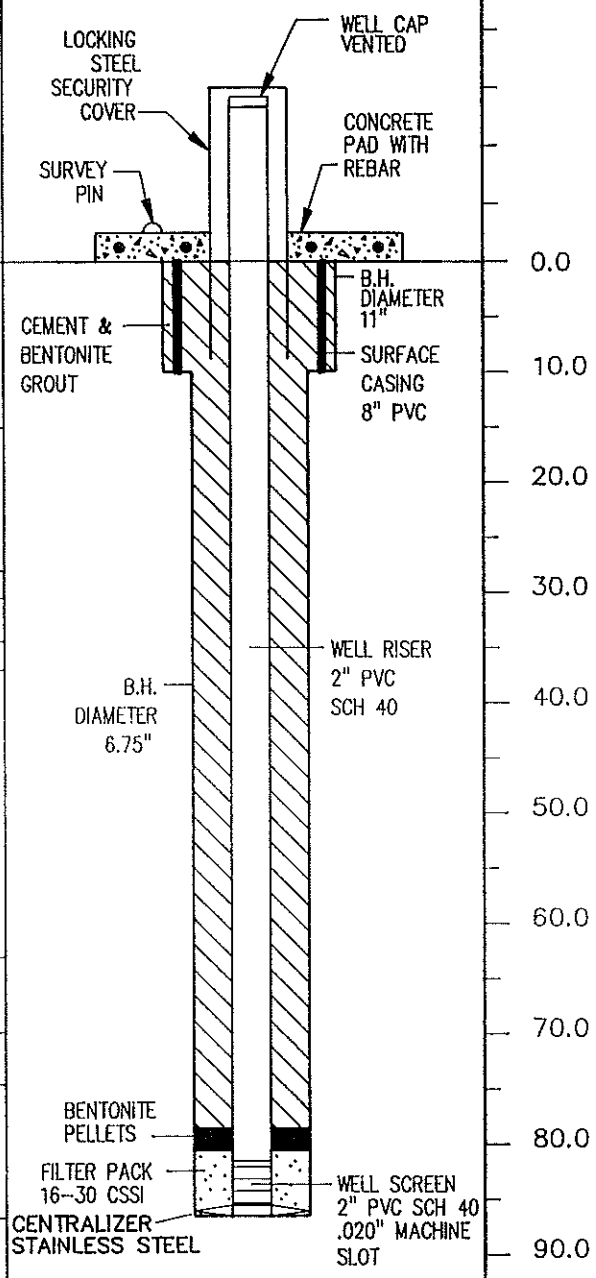
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767–2366

Well Record P–4D (MW-4G)
Job Name/Number 7–2397–0101
Coordinates N. 3410.6 E. 5347.4
Installation Date 9–26–89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7–2397–0101–036 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
480.82				
479.38				
478.9	0.0	CLAY: silty, sandy @ 3.5 to 9.7, 13.0 to 13.5: sand: very fine grained, clayey		
	10.0			
	20.0	SAND: yellow orange, very fine grained, silty, clayey @ 23.0 to 24.8 clay: gray with yellow orange, silty sandy		
	30.0	CLAY: gray and light brown, trace of silt		
		SAND: light brown, very coarse grained, pebbly, clayey		
	40.0	CLAY: brown with yellow orange, trace silt, occasional silt pits @ 34.7 changing to gray		
	50.0	SAND: gray, very fine grained, silty, some clay @ 37.4 to 38.3, 39.5 to 39.7, 44.4, 45.4 to 46.5, 50.3 to 51.5, 53.8 to 55.3, 60.5 to 61.0; clay; gray silty to sandy		
	60.0			
	70.0	CLAY: dark gray, silty to sandy @ 64.3 carbonaceous material		
		SAND: gray, very fine grained, silty @ 71.0 to 71.2; clay, dark gray, silty sandy		
	80.0	CLAY: gray to dark gray, silty sandy @ 77.5 to 81.4, 85.0 to 86.6 sand: thinly interbedded		
	90.0			
	100.0			
	110.0			

Well Completion Detail



B.O.H. = 86.6 FT.

B&F ENGINEERING, INC.

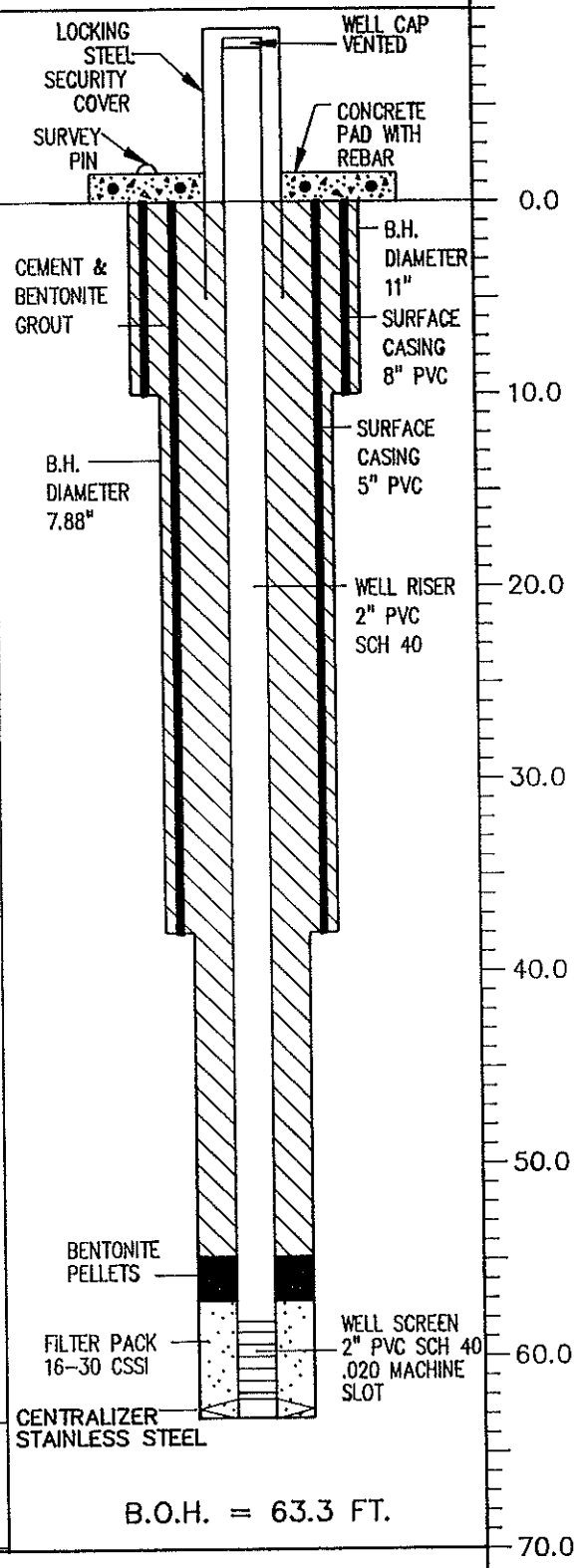
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-5A (MW-5A)
Job Name/Number 7-2397-0101
Coordinates N. 3667.4 E. 5628.1
Installation Date 10-15-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-045 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
481.21				
479.67				
479.2	0.0	CLAY: silty sandy @ 3.5 to 9.7, 13.0 to 13.5: sand: very fine grained, clayey		
	10.0			
		SAND: yellow orange, very fine grained, silty, clayey @ 23.0 to 24.8: clay: gray with yellow orange, silty, sandy		
	20.0			
		CLAY: gray and light brown, trace of silt		
	30.0	SAND: light brown, very coarse grained, pebbly, clayey		
		CLAY: brown with yellow orange, trace of silt, occasional silt pits @ 34.7 changing to gray		
		SAND: gray , very fine grained, silty, some clay @ 37.4 to 38.3, 39.5 to 39.7, 44.4, 45.4 to 46.5, 50.3 to 51.5, 53.8 to 55.3, 60.5 to 61.0; clay gray silty to sandy		
	40.0			
	50.0			
	60.0			

Well Completion Detail



B.O.H. = 63.3 FT.

B&F ENGINEERING, INC.

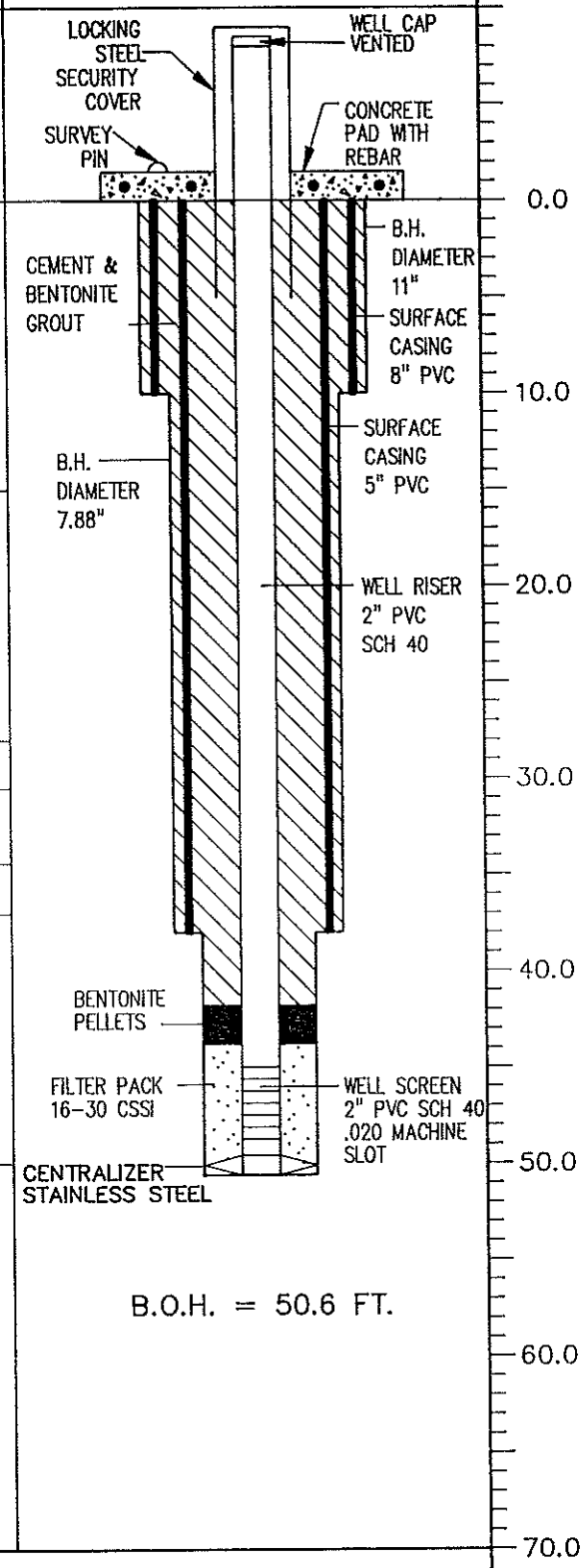
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-5C (MW-5C)
Job Name/Number 7-2397-0101
Coordinates N. 3657.3 E. 5628.1
Installation Date 10-18-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-040 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
481.39				
479.86				
479.4	0.0	CLAY: silty, sandy @ 3.5 to 9.7, 13.0 to 13.5: sand: very fine grained, clayey		
	5.0			
	10.0			
	15.0	SAND: yellow orange, very fine grained, silty, clayey @ 23.0 to 24.8: clay: gray with yellow orange, silty, sandy		
	20.0			
	25.0			
	30.0	CLAY: gray and light brown, trace of silt		
		SAND: light brown, very coarse grained, pebbly, clayey		
	35.0	CLAY: brown with yellow orange, trace silt, occasional silt pits @ 34.7 changing to gray		
		SAND: gray, very fine grained, silty, some clay @ 37.4 to 38.3, 39.5 to 39.7, 44.4, 45.4 to 46.5, 50.3 to 50.6: clay: gray, silty to sandy		
	40.0			
	45.0			
	50.0			
	55.0			
	60.0			
	65.0			

Well Completion Detail



B&F ENGINEERING, INC.

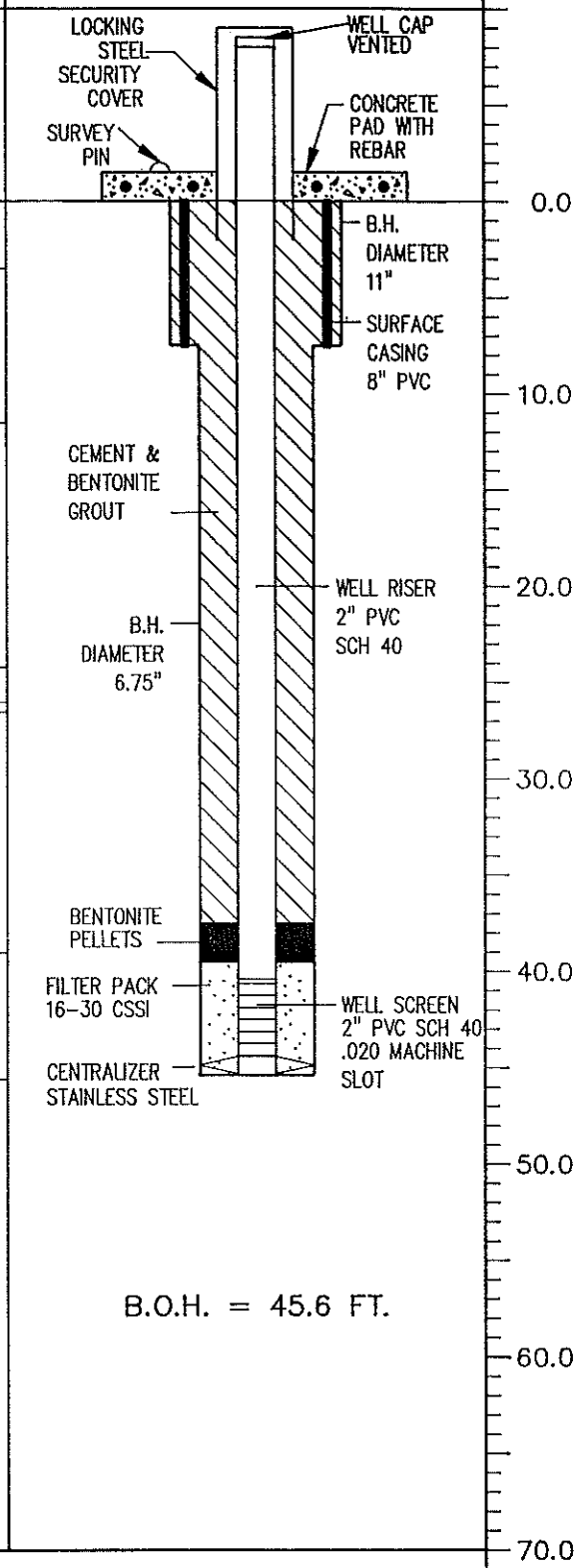
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-5D (MW-5D)
Job Name/Number 7-2397-0101
Coordinates N. 3647.4 E. 5627.6
Installation Date 10-18-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-039 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
459.55				
458.19				
457.7	0.0	CLAY: red brown, silty, very sandy, with occasional pebbles		
		CLAY: gray and brown, silty, some sand		
	10.0			
		SAND: gray and yellow orange very fine grained		
	20.0			
		CLAY: gray to dark gray, silty sandy		
		SAND: gray, very fine grained, clayey		
		CLAY: gray to dark gray, silty, sandy, with occasional laminae		
	30.0	@ 32.8 to 33.6: sand: clayey		
	40.0	SAND: gray and brown, very fine grained, some clayey, occasionally carbonaceous		
	50.0			
	60.0			

Well Completion Detail



B.O.H. = 45.6 FT.

B&F ENGINEERING, INC.

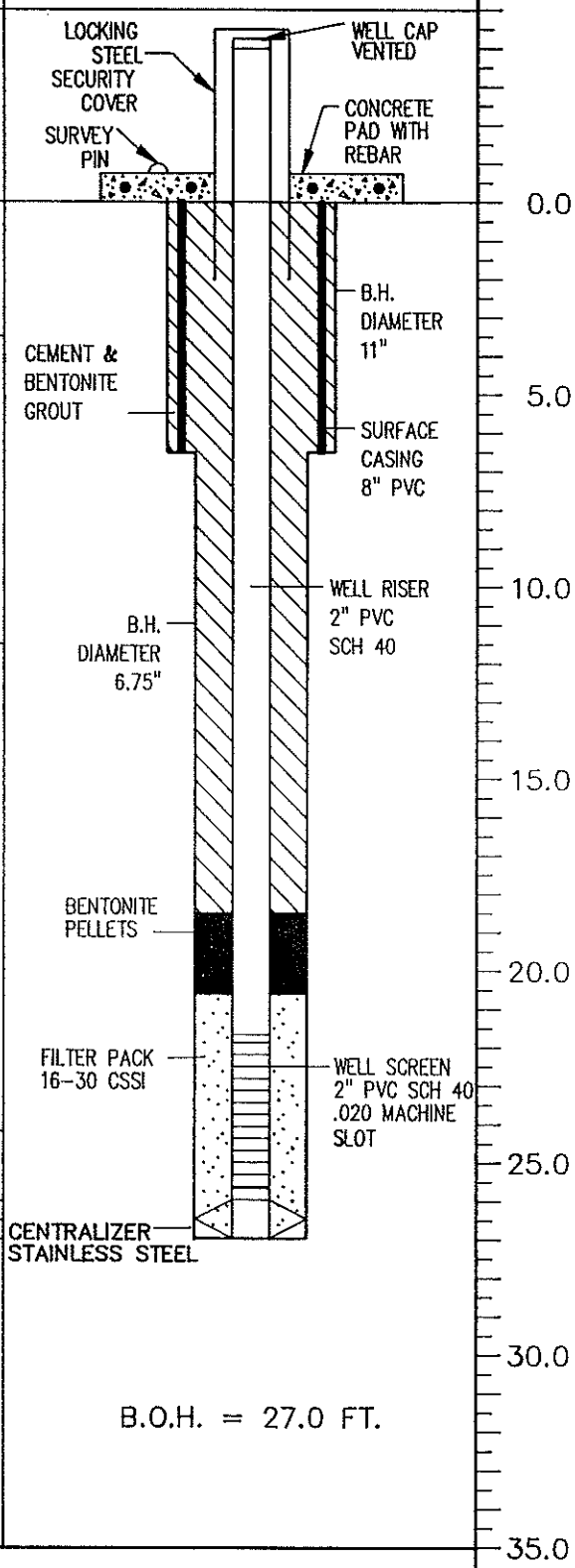
928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-6A (MW-6A)
Job Name/Number 7-2397-0101
Coordinates N. 3963.8 E. 5556.7
Installation Date 9-10-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-035 Page 1 of 1

WELL INSTALLATION RECORD

Elev. (Feet)	Depth (Feet)	Description	USC USGS	Graphic Log
459.84				
458.40				
457.9	0.0	CLAY: red brown, silty, very sandy with occasional pebbles		
	5.0	CLAY: gray and brown, silty, some sand laminae		
	10.0	SAND: gray and yellow orange, very fine grained		
	15.0			
	20.0			
	25.0	CLAY: gray to dark gray, silty, sandy		
		SAND: gray, very fine grained, clayey		
		CLAY: gray to dark gray, with sand, sand decreasing with depth		
	30.0			

Well Completion Detail



B.O.H. = 27.0 FT.

B&F ENGINEERING, INC.

928 AIRPORT ROAD
HOT SPRINGS, ARKANSAS 71913
(501) 767-2366

Well Record P-6C (MW-6C)
Job Name/Number 7-2397-0101
Coordinates N. 3957.4 E. 5549.5
Installation Date 9-11-89
Drilling Method ROTARY WASH
Drilled By WINNEK Logged By PWB
ACAD NO. 7-2397-0101-037 Page 1 of 1

APPENDIX D

TABULATED CHEMICAL ANALYSES OF SOIL BORING SAMPLES

PROCESS AREA
ANALYTICAL RESULTS
EP-TOXICITY

BORING	DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
HA-3	0 - 1	3.0	<0.014	<0.014	<0.014
HA-3	1 - 2	2.1	<0.014	<0.014	<0.014
HA-3	2 - 3	0.026	<0.02	<0.02	<0.02
HA-4	1 - 2	1.3	<0.012	<0.012	0.022
HA-5	0 - 1	0.021	<0.012	<0.012	0.018
HA-5	1 - 2	1.8	<0.012	<0.012	0.033

Method: EPA 3550, 8040, 8010

PROCESS AREA
ANALYTICAL RESULTS

BORING	DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
PA-1	0 - 1	< 0.05	<0.1	0.13	0.11
PA-1	1 - 2	< 0.05	<0.1	<0.1	< 0.1
PA-2	0 - 1	< 0.05	<0.1	<0.1	< 0.1
PA-2	1 - 2	< 0.05	<0.1	<0.1	< 0.1
PA-2	2 - 3	0.15	<0.1	<0.1	0.35
PA-2	3 - 4	0.21	<0.1	<0.1	< 0.1
PA-2	4 - 5	0.051	<0.1	<0.1	< 0.1
PA-2	5 - 6	< 0.05	<0.1	<0.1	< 0.1
PA-2	6 - 7	< 0.05	<0.1	<0.1	< 0.1
PA-2	7 - 8	< 0.05	<0.1	<0.1	< 0.1
PA-2	8 - 9	0.83	<0.1	0.33	0.26
PA-2	9 -10	4.5	<0.1	0.33	0.24
PA-3	0 - 1	38	<0.1	<0.1	1.7
PA-3	1 - 2	0.055	<0.1	<0.1	0.15
PA-3	2 - 3	< 0.05	<0.1	<0.1	< 0.1
PA-4	0 - 1	5.7	<1	0.34	1.2
PA-4	1 - 2	3.0	<0.1	<0.1	< 0.1
PA-4	2 - 3	0.26	<0.1	0.14	< 0.1
PA-4	3 - 4	0.38	<0.1	<0.1	< 0.1
PA-4	4 - 5	7.6	<0.1	<0.1	< 0.1
PA-4	5 - 6	6.8	<0.1	0.93	< 0.1
PA-4	6 - 7	6.8	<0.1	<0.1	0.11
PA-4	7 - 8	0.56	<0.1	<0.1	< 0.1
PA-4	8 - 9	0.98	<0.1	<0.1	< 0.1
PA-4	9 -10	0.86	<0.1	<0.1	< 0.1
PA-5	0 - 2	< 0.05	<0.1	<0.1	< 0.1
PA-5	2 - 4	< 0.05	<0.1	<0.1	< 0.1
PA-5	4 - 6	< 0.05	<0.1	<0.1	< 0.1
PA-5	6 - 8	< 0.05	<0.1	<0.1	< 0.1
PA-5	8 -10	0.31	<0.1	2.1	1.1

Method: EPA 3350, 8040, 8010

PROCESS AREA
ANALYTICAL RESULTS

BORING	DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
PA-6	0 - 1	0.20	<0.1	<0.1	0.60
PA-6	0 - 1	0.18			
PA-6	1 - 2	< 0.05	<0.1	<0.1	< 0.1
PA-7	0 - 1	0.76	<1	<1	3.3
PA-7	1 - 2	< 0.05	<0.1	<0.1	< 0.1
PA-8	0 - 1	53	<1	<1	26
PA-8	0 - 1	47	<1	<1	25
PA-8	1 - 2	< 0.05	<0.1	<0.1	< 0.1
PA-9	0 - 1	62	<1	<1	76
PA-9	1 - 2	< 0.05	<0.1	<0.1	0.15
PA-9	2 - 3	< 0.05	<0.1	<0.1	< 0.1
PA-10	0 - 1	63	<1	<1	79
PA-10	1 - 2	2.2	<1	<1	18
PA-10	1 - 2	3.2	<1	<1	29
PA-11	0 - 1	4.8	<1	<1	20
PA-11	1 - 2	0.43	<1	<1	4.8
PA-11	2 - 3	< 0.05	<1	<1	3.0
PA-11	3 - 4	< 0.05	<1	<1	1.8
PA-12	0 - 1	64	<1	<1	180
PA-12	1 - 2	0.068	<1	<1	4.0
PA-12	2 - 3	< 0.05	<1	<1	4.7
PA-12	3 - 4	< 0.05	<1	<1	1.6
PA-13	0 - 1	42	<1	<1	51
PA-13	1 - 2	< 0.05	<1	<1	4.7
PA-13	2 - 3	< 0.05	<1	<1	1.8
HA-1	0 - 1	75	<0.5	<0.5	18
HA-1	1 - 2	3.9	<0.5	<0.5	10
HA-1	2 - 3	6.2	<0.5	<0.5	3.4
HA-5	0 - 1	3.9	<0.5	<0.5	3.6
HA-5	1 - 2	2.6	<0.5	<0.5	4.0

Method: EPA 3550, 8040, 8010

SAWDUST PILE
ANALYTICAL RESULTS
BORING BG-1

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 2	<0.05	<0.1	<0.1	<0.1
2 - 4	<0.05	<0.1	<0.1	<0.1
4 - 6	<0.05	<0.1	<0.1	<0.1
6 - 8	<0.05	<0.1	<0.1	<0.1
8 -10	<0.05	<0.1	<0.1	<0.1
10-12	<0.05	<0.1	<0.1	<0.1
12-14	<0.05	<0.1	<0.1	<0.1
14-16	<0.05	<0.1	<0.1	<0.1
16-18	<0.05	<0.1	<0.1	<0.1
18-20	<0.05	<0.1	0.11	<0.1
20-22	<0.05	<0.1	<0.1	<0.1
22-24	<0.05	<0.1	0.12	<0.1
24-26	<0.05	<0.1	<0.1	<0.1
26-28	<0.05	<0.1	<0.1	<0.1
28-30	<0.05	<0.1	<0.1	<0.1

Method: EPA 3550, 8010, 8040

SAWDUST PILE
ANALYTICAL RESULTS
BORING BG-2

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 2	<0.05	<0.1	<0.1	<0.1
2 - 4	<0.05	<0.1	<0.1	<0.1
4 - 6	<0.05	<0.1	<0.1	<0.1
6 - 8	<0.05	<0.1	<0.1	<0.1
8 -10	<0.05	<0.1	<0.1	<0.1
10-12	<0.05	<0.1	<0.1	<0.1
12-14	<0.05	<0.1	<0.1	<0.1
14-16	<0.05	<0.1	<0.1	<0.1
16-18	<0.05	<0.1	<0.1	<0.1
18-20	<0.05	<0.1	0.24	<0.1
20-22	<0.05	0.40	<0.1	<0.1
22-24	<0.05	<0.1	<0.1	<0.1
24-26	<0.05	<0.1	<0.1	<0.1
26-28	<0.05	<0.1	<0.1	<0.1
28-30	<0.05	<0.1	<0.1	<0.1

Method: EPA 3550, 8010, 8040

WASTE PILE
ANALYTICAL RESULTS
BORING BG-3

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 1	1.7	1.6	0.94	1.0
1 - 2	0.16	<0.1	<0.1	0.22
2 - 3	<0.05	<0.1	<0.1	0.16
3 - 4	<0.05	<0.1	<0.1	0.22
4 - 5	<0.05	<0.1	<0.1	0.14
5 - 6	<0.05	<0.1	<0.1	0.14

Method: EPA 3550, 8040, 8010

WASTE PILE
ANALYTICAL RESULTS
BORING BG-4

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 1	1.3	<0.1	<0.1	0.85
1 - 2	0.092	<0.1	<0.1	0.12
2 - 3	<0.05	<0.1	<0.1	0.13
3 - 4	0.054	<0.1	<0.1	<0.1

Method: EPA 3550, 8040, 8010

WASTE PILE
ANALYTICAL RESULTS
BORING BG-5

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 1	0.060	<0.1	<0.1	<0.1
1 - 2	0.064	<0.1	<0.1	<0.1
2 - 3	<0.05	<0.1	<0.1	<0.1
3 - 4	<0.05, <0.05	<0.1, <0.1	<0.1, <0.1	<0.1, <0.1

Method: EPA 3550, 8040, 8010

LAGOON 2
ANALYTICAL RESULTS
BORING SP-1.1

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 2	49	<1	14	5.6
2 - 4	60	<1	28	24
4 - 6	23	2.5	15	13
6 - 8	53	3.5	23	19
8 -10	2.6	<0.1	1.4	1.3
10-12	12	<1	5	4.6
12-14	0.44	<0.1	0.28	0.19
14-16	0.10	<0.1	0.23	< 0.1
16-18	0.22	<0.1	0.26	< 0.1
18-20	12	<1	4.2	9.5
20-22	0.5	<0.1	< 0.1	< 0.1
22-24	0.57	<0.1	< 0.1	1.9
24-26	0.094	<0.1	< 0.1	0.14
26-28	3	<0.1	< 0.1	0.53
28-30	0.075	<0.1	< 0.1	< 0.1

Method: EPA 3550, 8040, 8010

LAGOON 2
ANALYTICAL RESULTS
BORING SP-1.2

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 2	8.7	< 0.1	<0.1	0.19
2 - 4	50	1.1	<0.1	50
4 - 6	26	0.61	<1	20
6 - 8	5.1	< 0.1	<0.1	3.2
8 -10	8.8	< 0.1	<0.1	6.1
10-12	7.6	< 0.1	<0.1	5.1
12-14	0.84	< 0.1	<0.1	0.47
14-16	46	2.7	<1	36
16-18	15	0.64	<0.1	12
18-20	4.4	< 0.1	<0.1	5.4
20-22	32	17	<1	35
22-24	390	89	<1	370
24-26	2.7	< 0.1	<0.1	1.5
26-28	5.5	< 0.1	<0.1	14
28-30	10	< 1	0.1	24

Method: EPA 3550, 8040, 8010

LAGOON 3
ANALYTICAL RESULTS
EP-TOXICITY
BORING SP-2.1

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 2	0.26	<0.005	<0.005	<0.005
2 - 4	0.91	<0.005	<0.005	<0.005
4 - 6	0.092	<0.005	<0.005	<0.005
6 - 8	0.14	<0.005	0.0098	<0.005
8 -10	1.6	<0.005	0.034	0.016
10-12	0.037	0.0091	0.043	<0.005
12-14	0.051	<0.005	<0.005	<0.005
14-16	0.0085	<0.005	<0.005	<0.005
16-18	0.0051	<0.005	<0.005	<0.005
18-20	0.029	<0.005	<0.005	<0.005
20-22	<0.001	<0.005	<0.005	<0.005
22-24	<0.001	<0.005	<0.005	<0.005
24-26	<0.001	<0.005	<0.005	<0.005
26-28	0.076	<0.005	0.0098	<0.005
28-30	0.0042	<0.005	<0.005	<0.005

LAGOON 3
ANALYTICAL RESULTS
BORING SP-2.2

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 1	60	< 1	7.1	< 1
1 - 2	120	< 1	18	6.9
2 - 3	62	<10	120	440
3 - 4	110	< 1	23	20
4 - 5	130	<10	180	170
5 - 6	2.2	< 1	17	32
6 - 7	5.9	4.1	16	34
7 - 8	170	<10	140	170
8 - 9	130	<10	95	130
9 -10	1.5	< 1	0.71	1.8
10-11	1.9	< 1	2.0	4.8
11-12	3.9	< 1	3.0	5.9
12-13	0.11	< 0.1	< 0.1	< 0.1
13-14	8.6	< 1	7.2	16
14-15	1.8	< 0.1	1.0	1.5
15-16	0.43	< 0.1	0.14	0.18
16-17	0.18	< 0.1	< 0.1	< 0.1
17-18	0.55	< 1	1.5	6.8
18-19	0.23	< 0.1	0.19	0.22
19-20	1.1	< 0.1	0.35	0.81
20-21	< 0.05	< 0.1	< 0.1	< 0.1
21-22	7.9	< 1	1.9	7.3
22-23	< 0.05	< 0.1	0.14	< 0.1
23-24	0.084	< 0.1	0.16	0.18
24-25	< 0.05	< 0.1	0.27	0.23
25-26	< 0.05	< 0.1	< 0.1	< 0.1
26-27	0.054	< 0.1	0.17	0.27
27-28	< 0.05	< 0.1	0.22	0.21
28-29	< 0.05	< 0.1	0.21	0.18
29-30	< 0.05	< 0.1	0.14	0.15

Method: EPA 3550, 8040, 8010

LAGOON 3
ANALYTICAL RESULTS
BORING SP-2.3

DEPTH FEET	PCP ppm	NAPHTHALENE ppm	ACENAPHTHYLENE ppm	FLUORANTHENE ppm
0 - 2	3.3	<1	1.3	3.0
2 - 4	55	<1	16	130
4 - 6	7.4	0.16	6.1	37
6 - 8	< 0.05	<0.1	0.17	1.5
8 -10	< 0.05	<0.1	< 0.1	0.25
10-12	< 0.05	<0.1	< 0.1	0.33
12-14	0.22	<0.1	0.11	< 0.1
14-16	< 0.05	<0.1	< 0.1	< 0.1
16-18	< 0.05	<0.1	< 0.1	0.21
18-20	< 0.05	<0.1	< 0.1	0.26
20-22	< 0.05	<0.1	< 0.1	0.28
22-2'	< 0.05	<0.1	< 0.1	< 0.1
24-26	< 0.05	<0.1	< 0.1	< 0.1
26-28	< 0.05	<0.1	< 0.1	< 0.1
28-30	< 0.05	<0.1	< 0.1	< 0.1

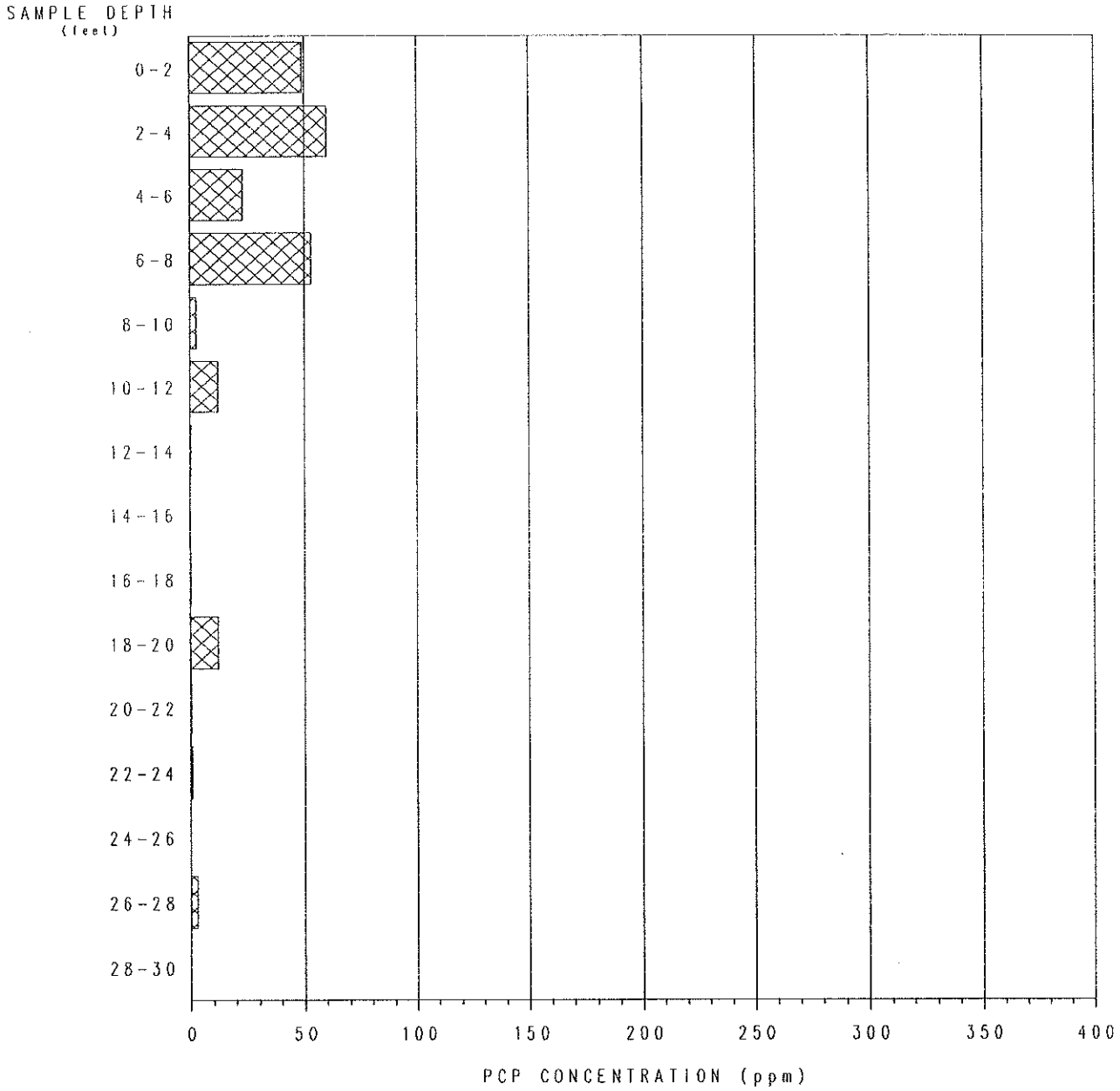
Method: EPA 3550, 8010, 8040

APPENDIX E

GRAPHS OF ANALYTICAL RESULTS FOR SOIL BORINGS - BG1 - 5, SP1.1 and SP1.2, and SP2.1 - 2.3

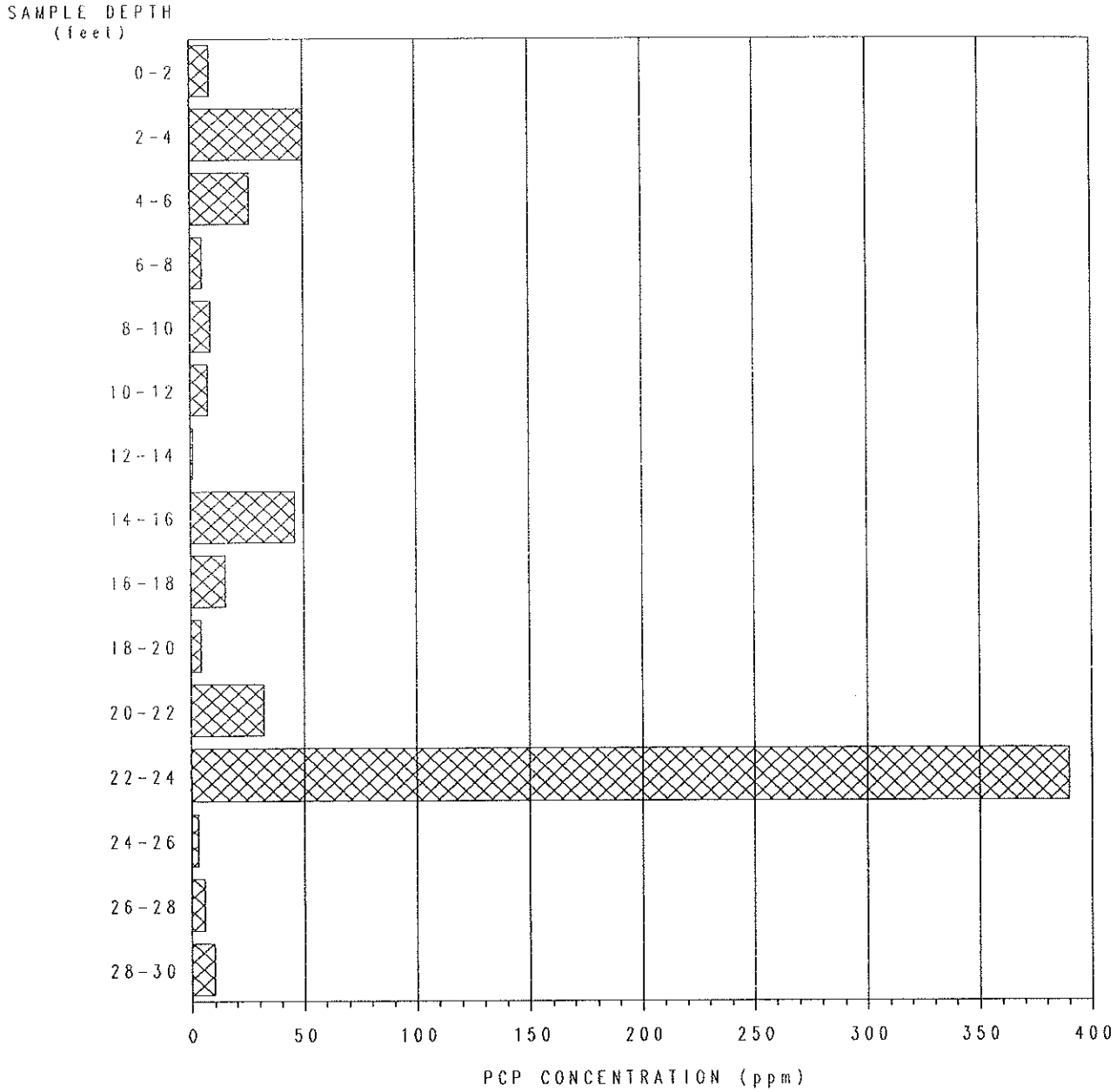
LAGOON 2

PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING SP-1.1



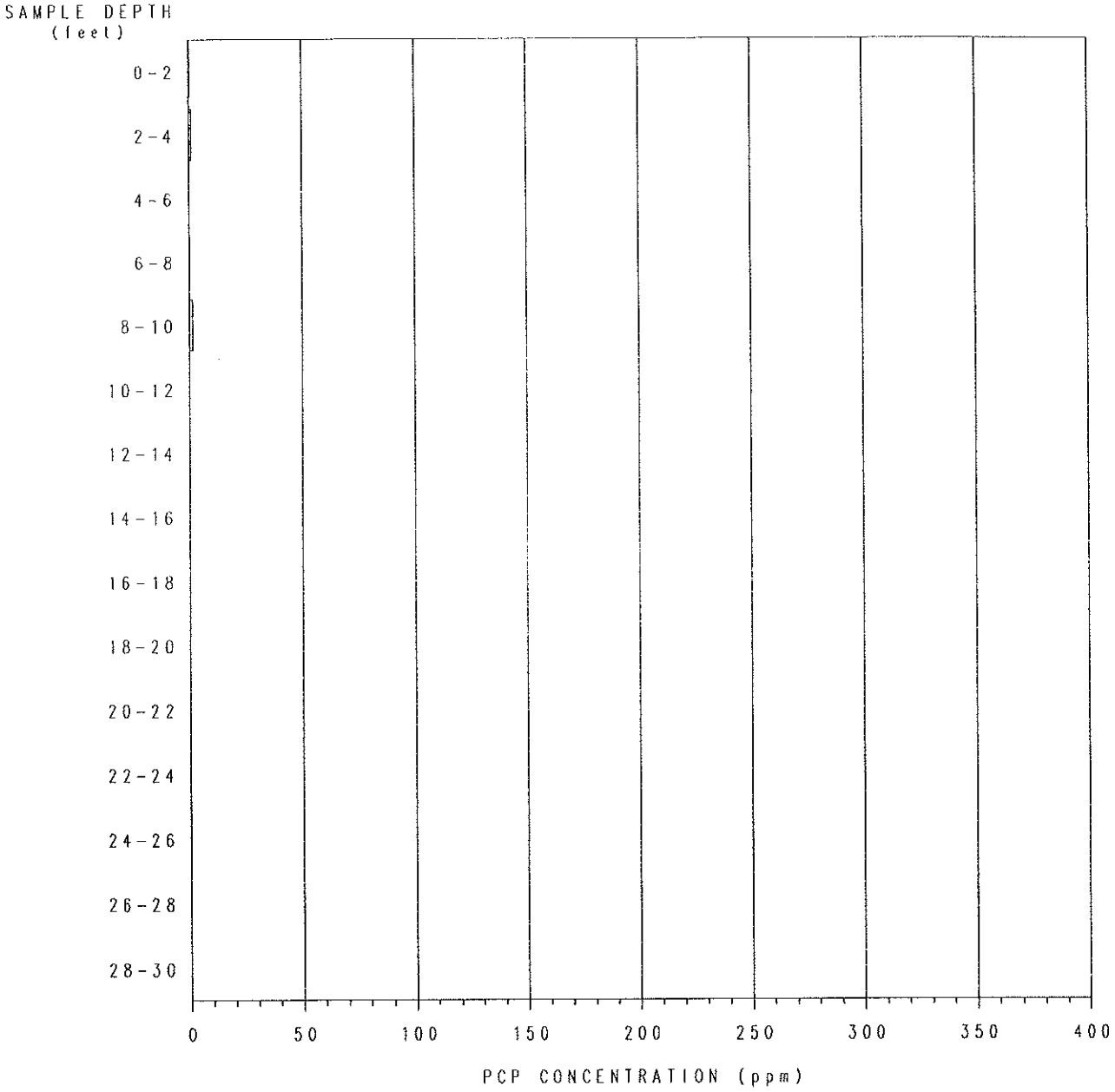
LAGOON 2

PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING SP-1,2



LAGOON 3

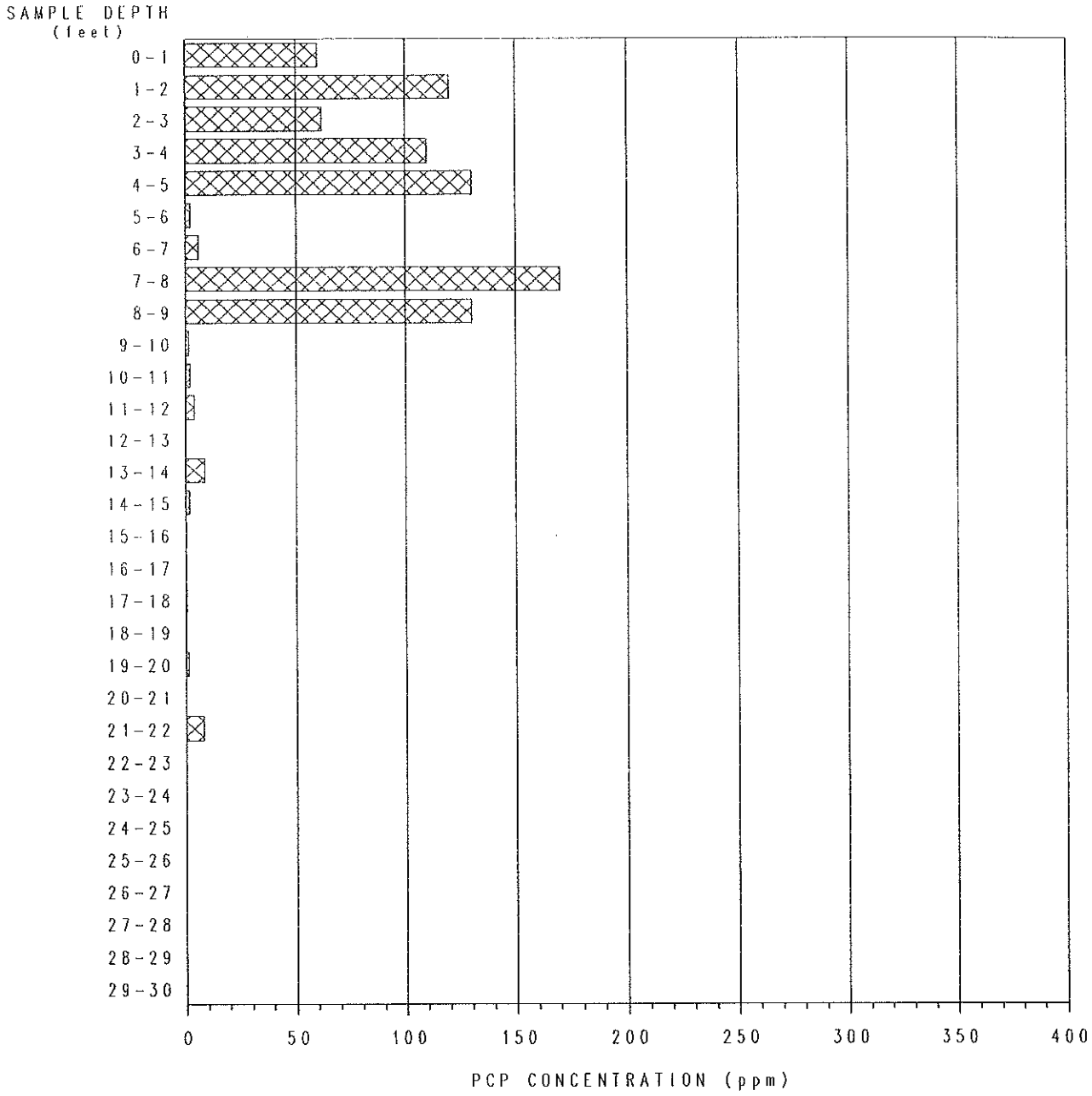
PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING SP-2.1



NOTE: PCP CONCENTRATIONS ARE EP-TOXICITY VALUES

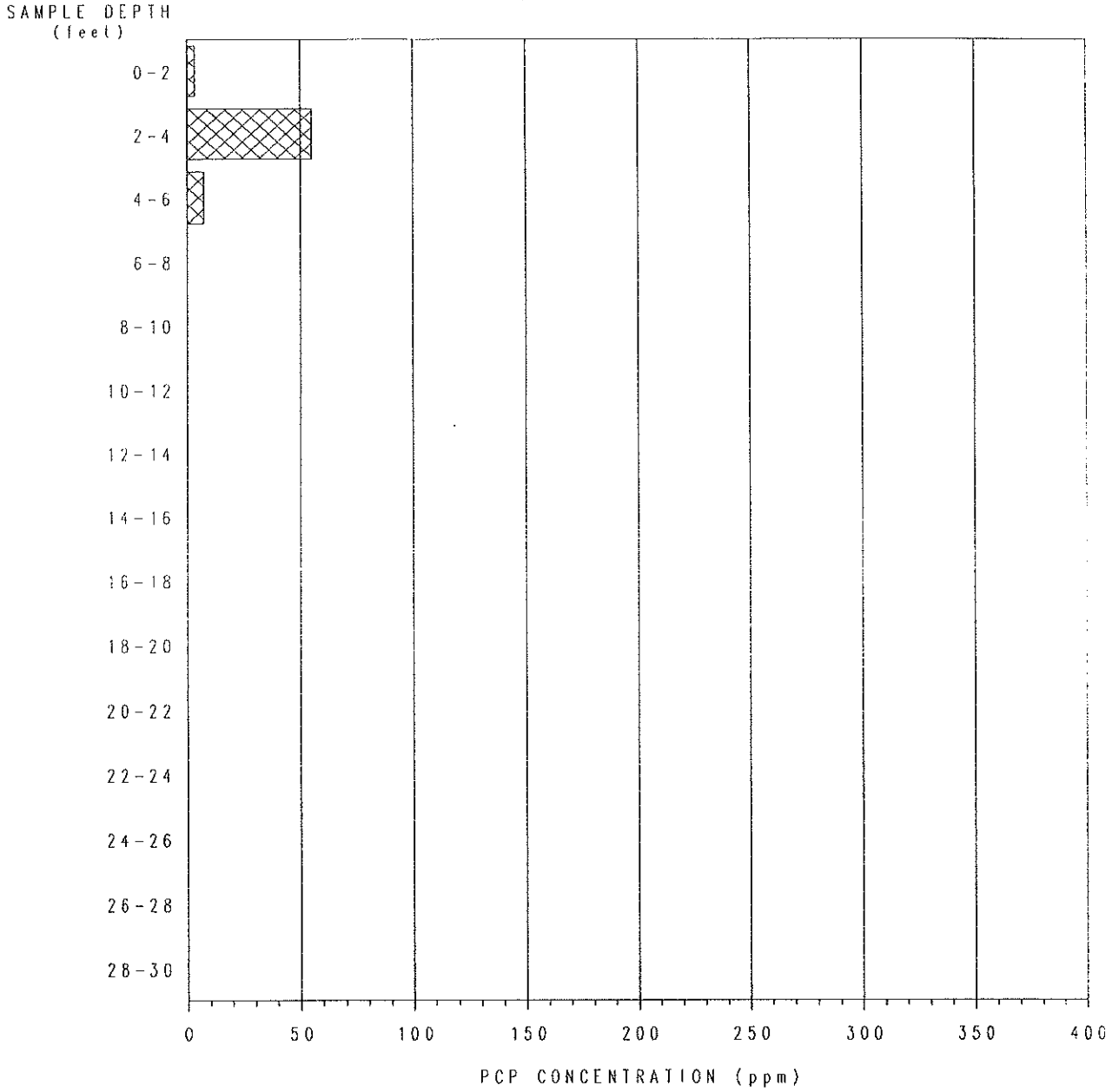
LAGOON 3

PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING SP-2.2



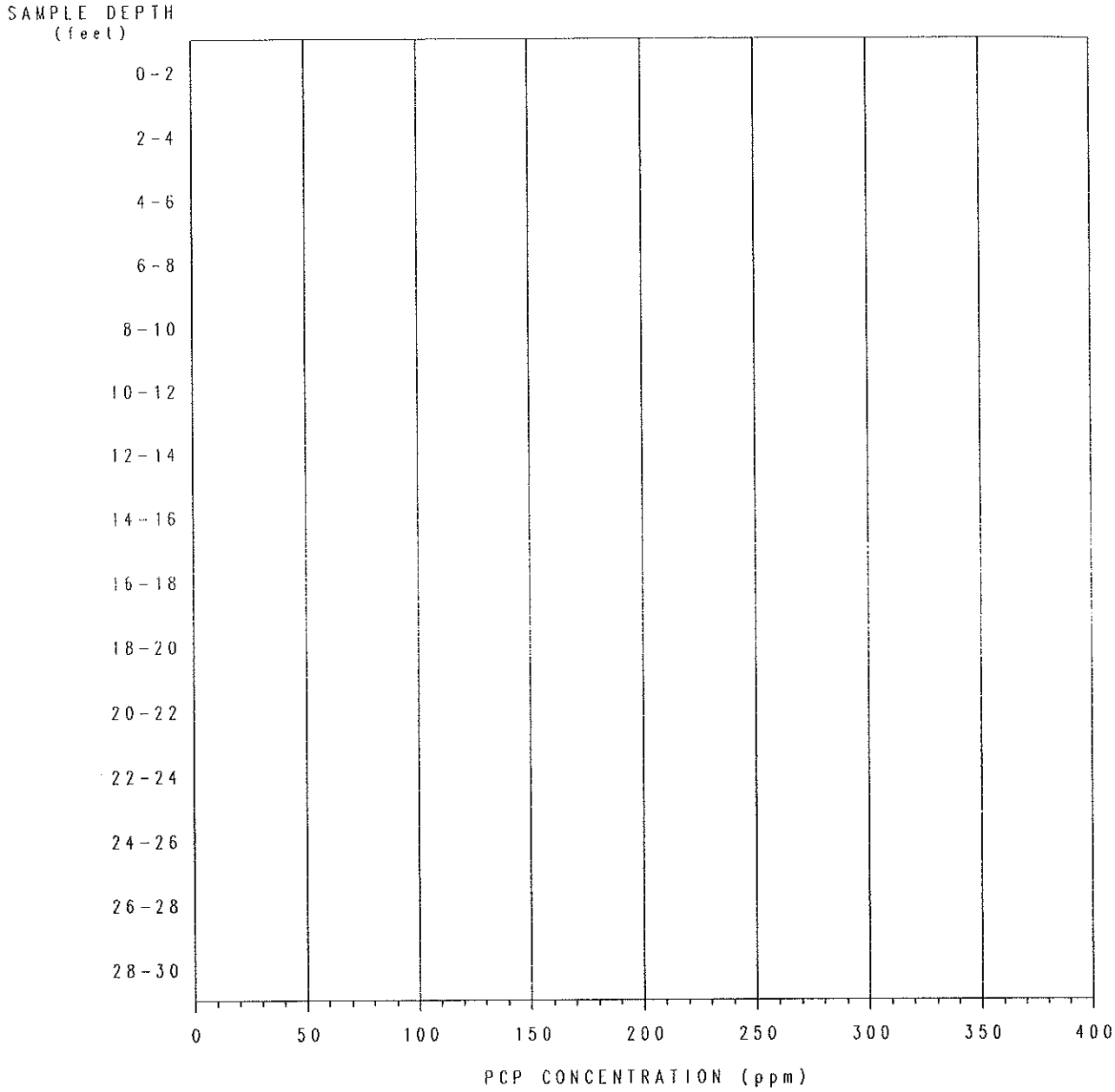
LAGOON 3

PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING SP-2.3



SAWDUST PILE

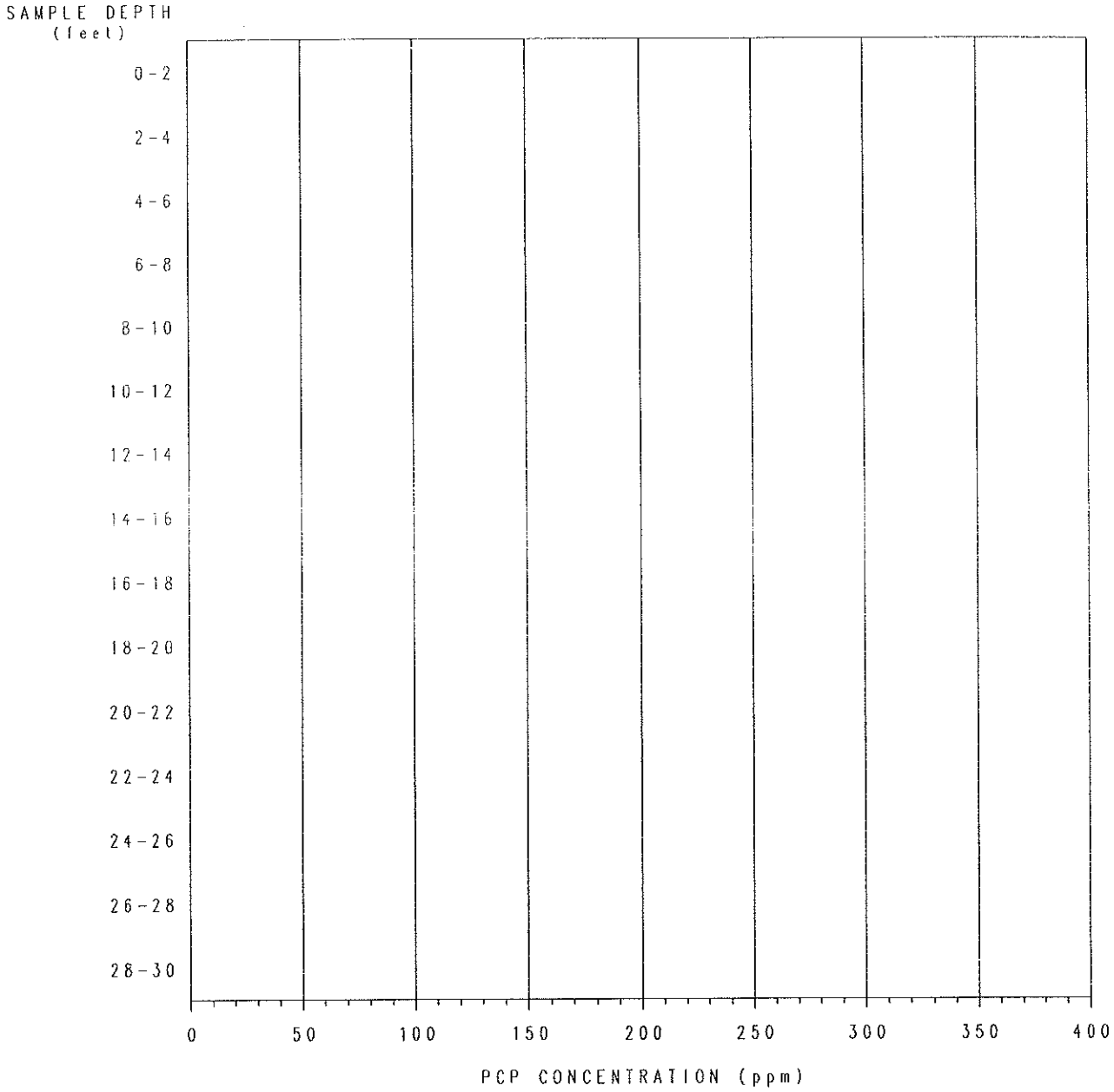
PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING BG-1



ALL PCP CONCENTRATIONS BELOW DETECTION

SAWDUST PILE

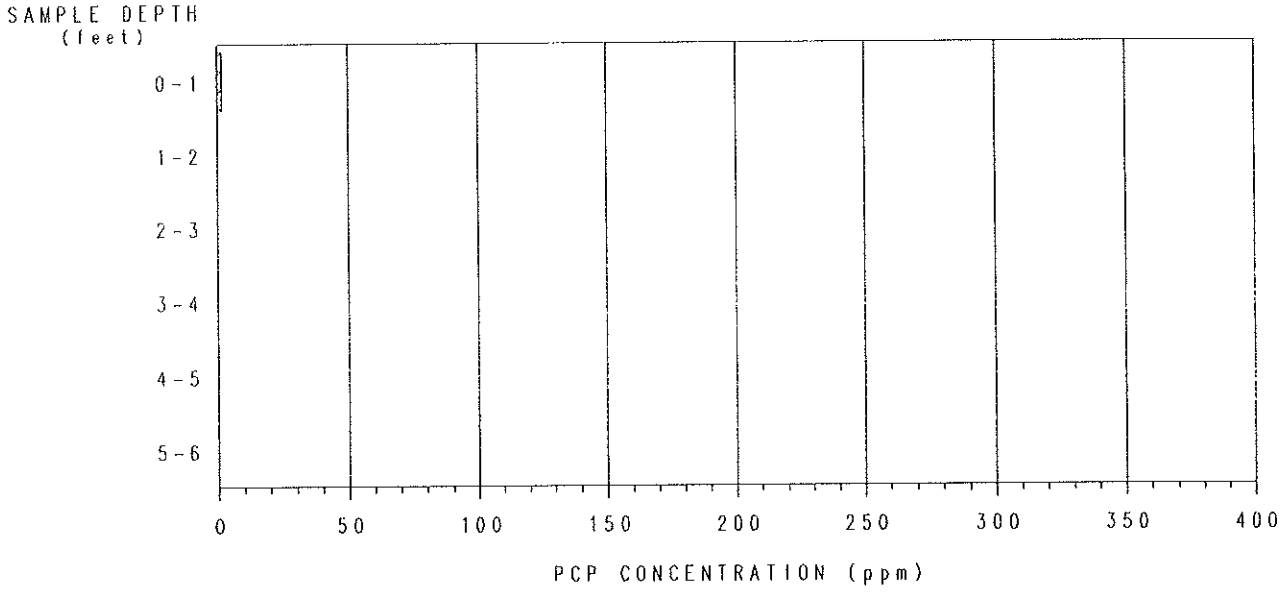
PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING BG-2



ALL PCP CONCENTRATIONS BELOW DETECTION

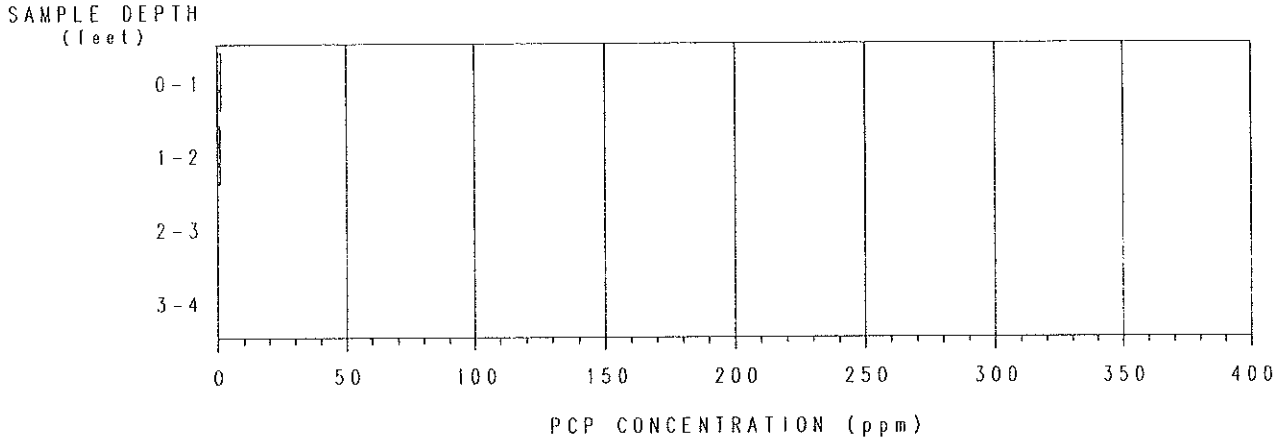
WASTE PILE

PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING BG-3



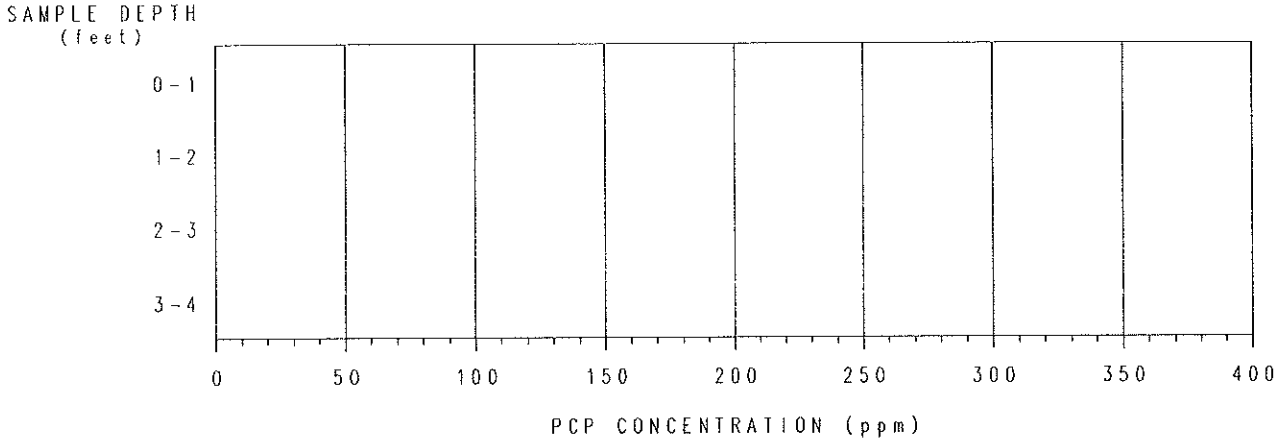
WASTE PILE

PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING BG-4



WASTE PILE

PCP CONCENTRATION - SOIL SAMPLES (ppm)
BORING BG-5



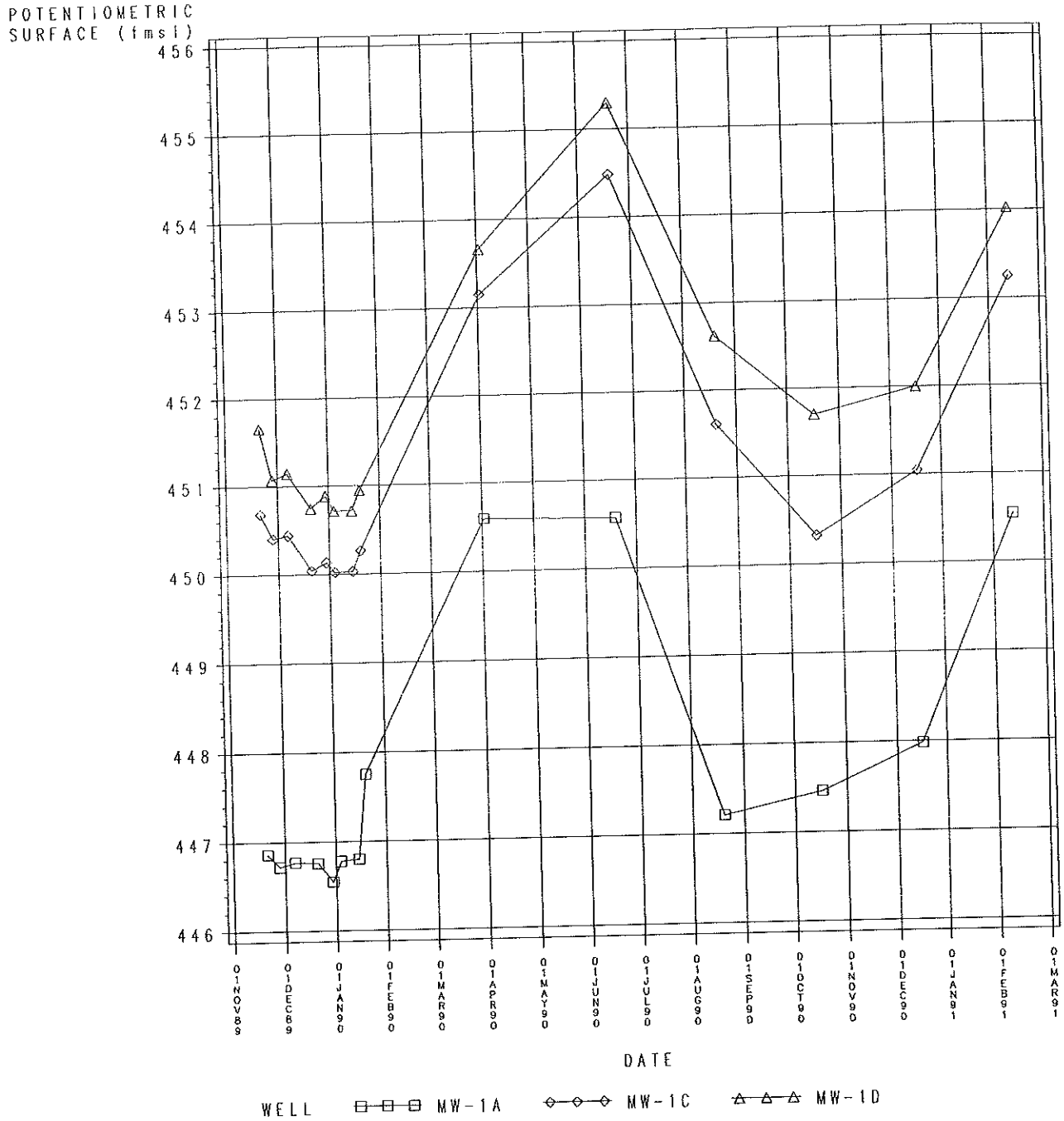
APPENDIX F

MONITORING WELL HYDROGRAPHS

POTENTIOMETRIC SURFACE HYDROGRAPH

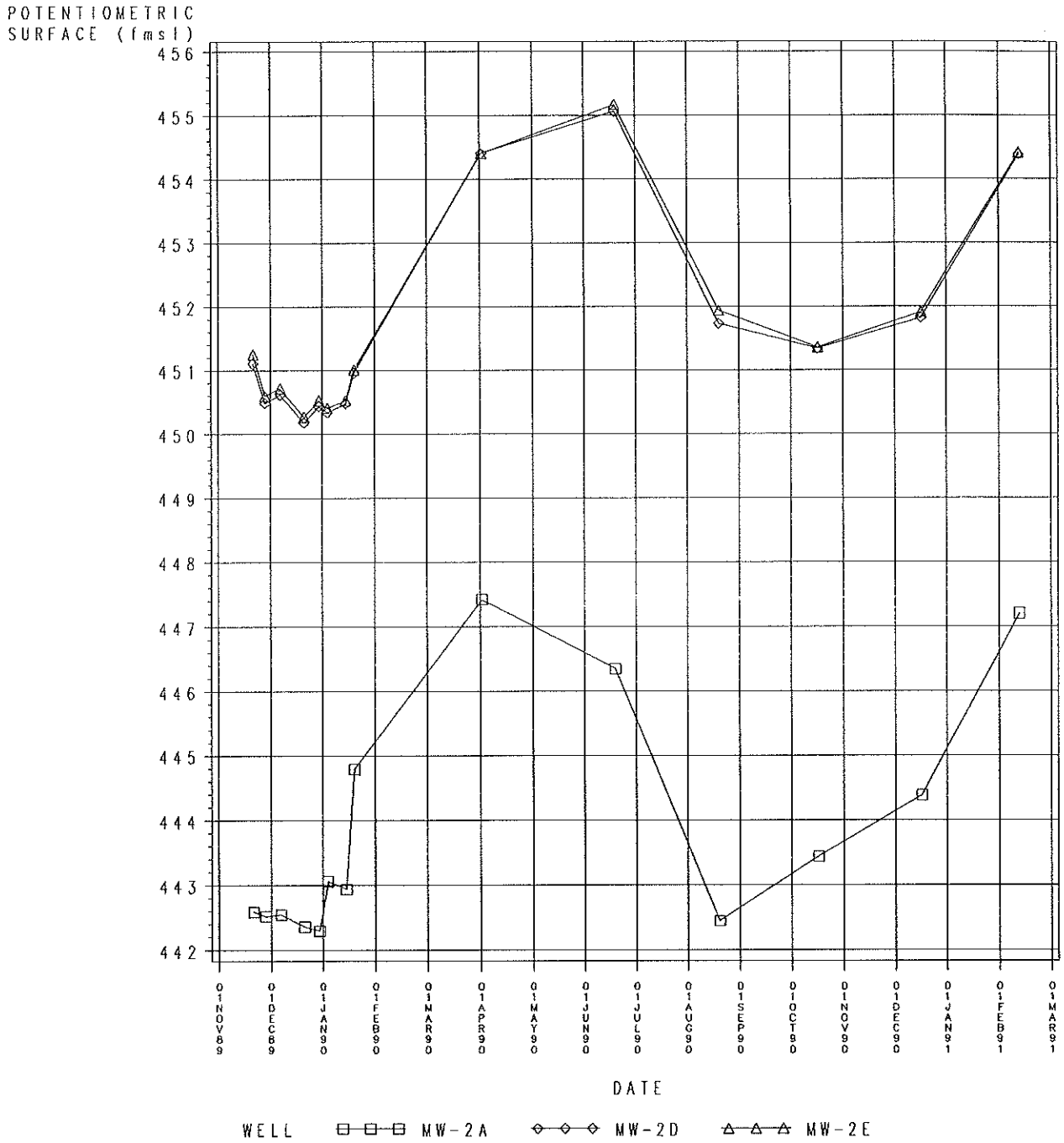
MONITORING WELL MW-1

THOMASON LUMBER AND TIMBER COMPANY



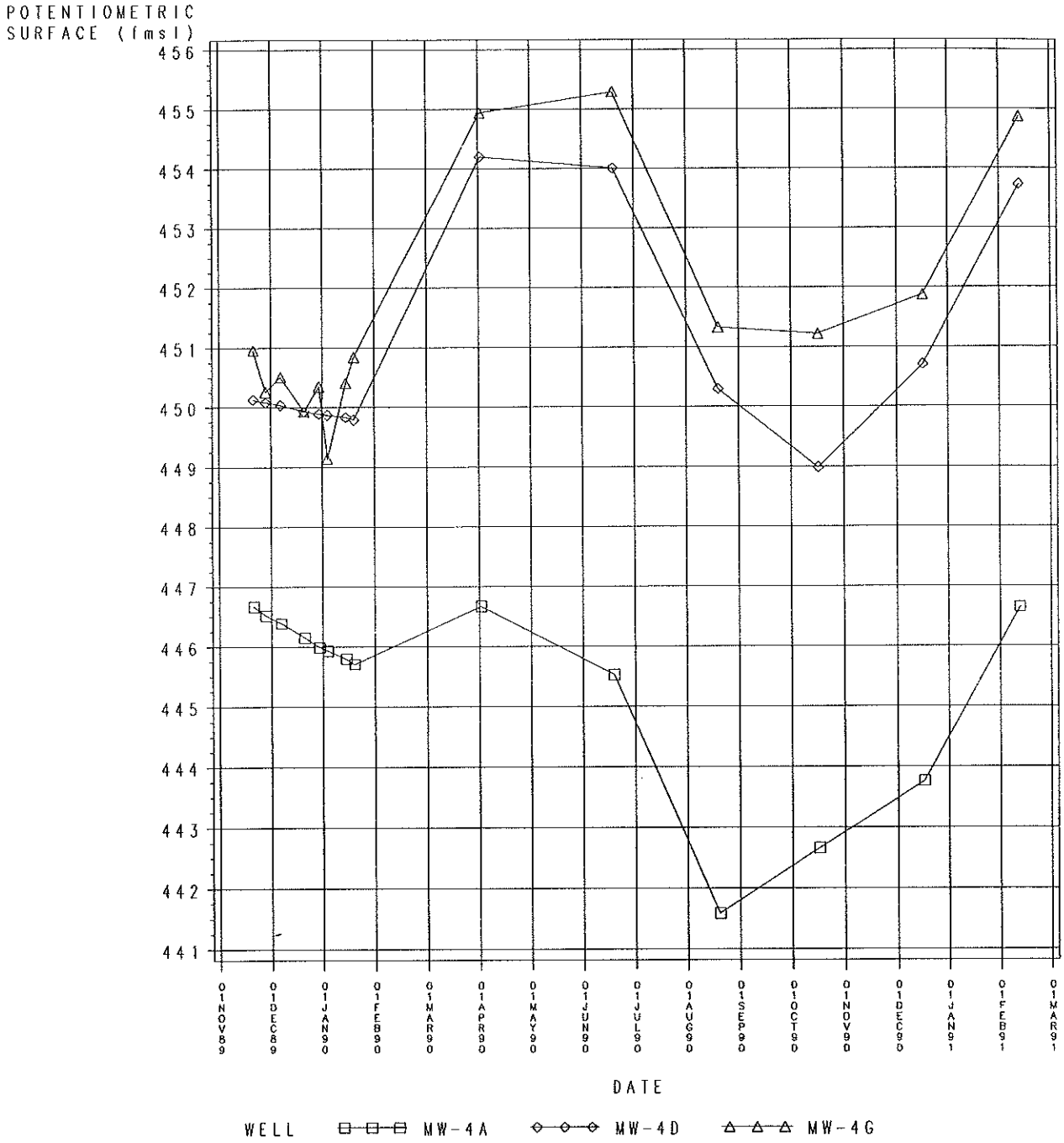
POTENTIOMETRIC SURFACE HYDROGRAPH

MONITORING WELL MW-2
THOMASON LUMBER AND TIMBER COMPANY



POTENTIOMETRIC SURFACE HYDROGRAPH

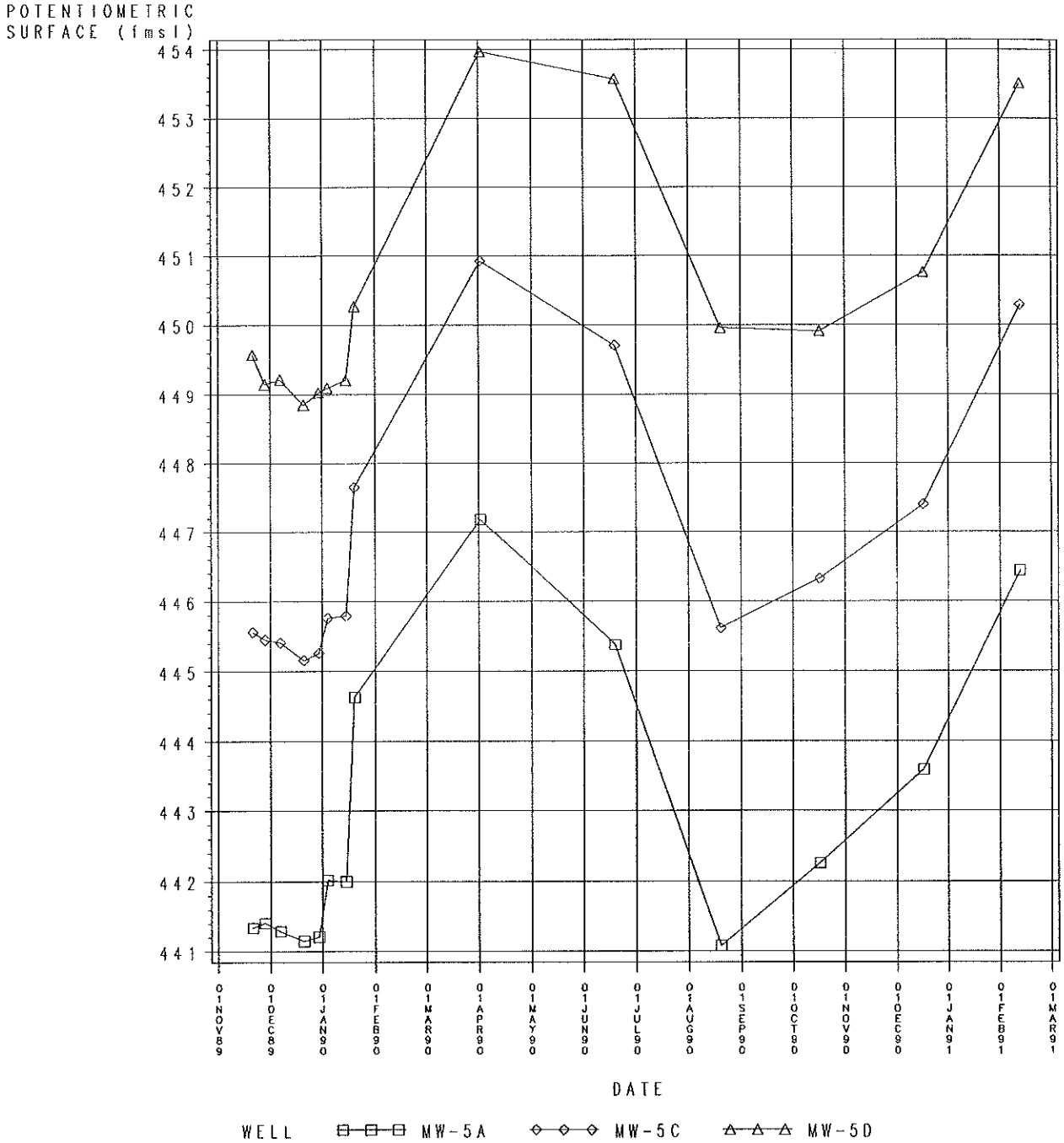
MONITORING WELL MW-4
THOMASON LUMBER AND TIMBER COMPANY



POTENTIOMETRIC SURFACE HYDROGRAPH

MONITORING WELL MW-5

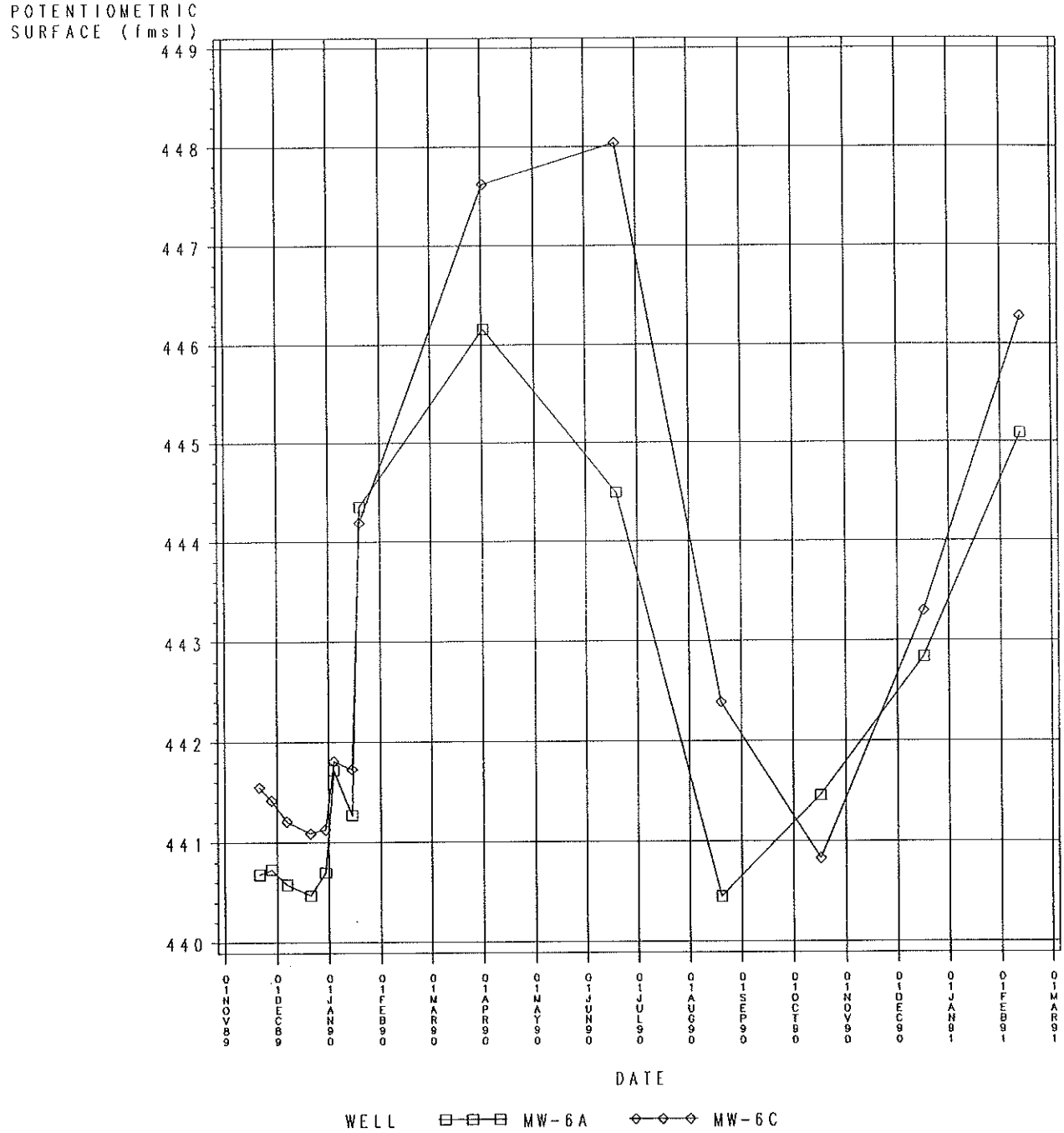
THOMASON LUMBER AND TIMBER COMPANY



POTENTIOMETRIC SURFACE HYDROGRAPH

MONITORING WELL MW-6

THOMASON LUMBER AND TIMBER COMPANY



APPENDIX G

TABULATED GROUND-WATER CHEMICAL ANALYSES

THOMASON LUMBER AND TIMBER CO.

APRIL 3 - 4, 1990

GROUND-WATER SAMPLING

LOCATION	DATE	PCP mg/l	ACENAPHTHYLENE mg/l	FLUORANTHENE mg/l	NAPHTHALENE mg/l
MW-1D	04/04/90	<.001	<.01	<.01	<.01
MW-1CD	04/04/90	<.001	<.01	<.01	<.01
MW-1A	04/03/90	<.001	<.01	<.01	<.01
MW-2E	04/03/90	<.001	<.01	<.01	<.01
Duplicate at 2E		<.001	<.01	<.01	<.01
MW-2D	04/03/90	.0042	<.01	<.01	<.01
MW-2A	04/03/90	<.001	<.01	<.01	<.01
MW-4G	04/04/90	<.001	<.01	<.01	<.01
MW-4D	04/03/90	.0034	<.01	<.01	<.01
MW-4A	04/03/90	<.001	<.01	<.01	<.01
MW-5D	04/04/90	<.001	<.01	<.01	<.01
MW-5C	04/04/90	<.001	<.01	<.01	<.01
MW-5A	04/03/90	<.001	<.01	<.01	<.01
MW-6C	04/03/90	.13	<.01	<.01	<.01
MW-6A	04/03/90	<.001	<.01	<.01	<.01

THOMASON LUMBER AND TIMBER CO.

JUNE 20 - 21, 1990

GROUND-WATER SAMPLING

LOCATION	DATE	PCP mg/l	ACENAPHTHYLENE mg/l	FLUORANTHENE mg/l	NAPHTHALENE mg/l
MW-1D	06/21/90	<.001	<.01	<.01	<.01
MW-1CD	06/21/90	<.001	<.01	<.01	<.01
MW-1A	06/21/90	<.001	<.01	<.01	<.01
MW-2E	06/20/90	<.001	<.01	<.01	<.01
MW-2D	06/20/90	.0042	<.01	<.01	<.01
Duplicate at 2D		.0039	<.01	<.01	<.01
MW-2A	06/20/90	<.001	<.01	<.01	<.01
MW-4G	06/20/90	<.001	<.01	<.01	<.01
MW-4D	06/20/90	<.001	<.01	<.01	<.01
Duplicate at 4D		.0026	<.01	<.01	<.01
MW-4A	06/21/90	<.001	<.01	<.01	<.01
MW-5D	06/20/90	.0049	.031	<.01	<.01
MW-5C	06/20/90	<.001	<.01	<.01	<.01
MW-5A	06/20/90	<.001	<.01	<.01	<.01
MW-6C	06/19/90	.0050	<.01	<.01	<.01
MW-6A	06/19/90	<.001	<.01	<.01	<.01

THOMASON LUMBER AND TIMBER CO.

AUGUST 21 - 23, 1990

GROUND-WATER SAMPLING

LOCATION	DATE	PCP mg/l	ACENAPHTHYLENE mg/l	FLUORANTHENE mg/l	NAPHTHALENE mg/l
MW-1D	08/21/90	<.001	<.01	<.01	<.01
MW-1CD	08/21/90	<.001	<.01	<.01	<.01
MW-1A	08/21/90	<.001	<.01	<.01	<.01
MW-2E	08/21/90	<.001	<.01	<.01	<.01
MW-2D	08/21/90	.0045	<.01	<.01	<.01
Duplicate at 2D		.0059	<.01	<.01	<.01
MW-2A	08/21/90	<.001	<.01	<.01	<.01
MW-4G	08/22/90	<.001	<.01	<.01	<.01
MW-4D	08/22/90	.0028	<.01	<.01	<.01
MW-4A	08/22/90	<.001	<.01	<.01	<.01
MW-5D	08/23/90	.0075	.031	<.01	.19
MW-5C	08/23/90	<.001	<.01	<.01	<.01
MW-5A	08/23/90	<.001	<.01	<.01	<.01
MW-6C	08/23/90	.0091	<.01	<.01	<.01
MW-6A	08/23/90	<.001	<.01	<.01	<.01

THOMASON LUMBER AND TIMBER CO.

OCTOBER 17 - 19, 1990

GROUND-WATER SAMPLING

LOCATION	DATE	PCP mg/l	ACENAPHTHYLENE mg/l	FLUORANTHENE mg/l	NAPHTHALENE mg/l
MW-1D	10/17/90	<.001	<.01	<.01	<.01
MW-1CD	10/18/90	<.001	<.01	<.01	<.01
MW-1A	10/18/90	<.001	<.01	<.01	<.01
MW-2E	10/17/90	<.001	<.01	<.01	<.01
MW-2D	10/17/90	.0031	<.01	<.01	.013
MW-2A	10/18/90	<.001	<.01	<.01	<.01
MW-4G	10/17/90	<.001	<.01	<.01	<.01
MW-4D	10/18/90	.0042	<.01	<.01	<.01
Duplicate at 4D		.0020	<.01	<.01	<.01
MW-4A	10/18/90	<.001	<.01	<.01	<.01
MW-5D	10/19/90	.0082	.031	<.01	.27
MW-5C	10/19/90	<.001	<.01	<.01	<.01
Duplicate at 5C		<.001	<.01	<.01	<.01
MW-5A	10/19/90	<.001	<.01	<.01	<.01
MW-6C	10/17/90	.021	<.01	<.01	.073
MW-6A	10/19/90	<.001	<.01	<.01	<.01

THOMASON LUMBER AND TIMBER CO.

DECEMBER 18 - 20, 1990

GROUND-WATER SAMPLING

LOCATION	DATE	PCP mg/l	ACENAPHTHYLENE mg/l	FLUORANTHENE mg/l	NAPHTHALENE mg/l
MW-1D	12/18/90	<.001	<.01	<.01	<.01
MW-1CD	12/18/90	<.001	<.01	<.01	<.01
MW-1A	12/18/90	<.001	<.01	<.01	<.01
MW-2E	12/18/90	<.001	<.01	<.01	<.01
MW-2D	12/18/90	.0050	<.01	<.01	.014
Duplicate at 2D		.0044	<.01	<.01	.015
MW-2A	12/19/90	<.001	<.01	<.01	<.01
MW-4G	12/18/90	<.001	<.01	<.01	<.01
MW-4D	12/18/90	.0015	<.01	<.01	<.01
Duplicate at 4D		.0015	<.01	<.01	<.01
MW-4A	12/19/90	<.001	<.01	<.01	<.01
MW-5D	12/18/90	.0050	<.01	<.01	.36
MW-5C	12/18/90	<.001	<.01	<.01	<.01
MW-5A	12/20/90	<.001	<.01	<.01	<.01
MW-6C	12/20/90	.30	<.02*	<.02*	<.02*
MW-6A	12/20/90	<.001	<.01	<.01	<.01

* Elevated detection limit due to interference.

THOMASON LUMBER AND TIMBER CO.

FEBRUARY 12 - 14, 1991

GROUND-WATER SAMPLING

LOCATION	DATE	PCP mg/l	ACENAPHTHYLENE mg/l	FLUORANTHENE mg/l	NAPHTHALENE mg/l
MW-1D	02/13/91	<.001	<.01	<.01	<.01
MW-1CD	02/13/91	<.001	<.01	.024	<.01
MW-1A	02/13/91	<.001	<.01	<.01	<.01
MW-2E	02/12/91	<.001	<.01	<.01	<.01
MW-2D	02/12/91	.0049	<.01	<.01	<.01
Duplicate at 2D		.0045	.18	<.01	<.01
MW-2A	02/13/91	<.001	<.01	<.01	<.01
MW-4G	02/12/91	<.001	<.01	<.01	<.01
MW-4D	02/14/91	.0013	<.01	<.01	<.01
MW-4A	02/14/91	<.001	<.01	<.01	<.01
MW-5D	02/12/91	.0030	.11	<.01	<.01
Duplicate at 5D		.0035	.27	<.01	<.01
MW-5C	02/14/91	<.001	<.01	<.01	<.01
MW-5A	02/14/91	<.001	<.01	<.01	<.01
MW-6C	02/12/91	.13	.30	<.01	.013
MW-6A	02/14/91	<.001	<.01	<.01	<.01

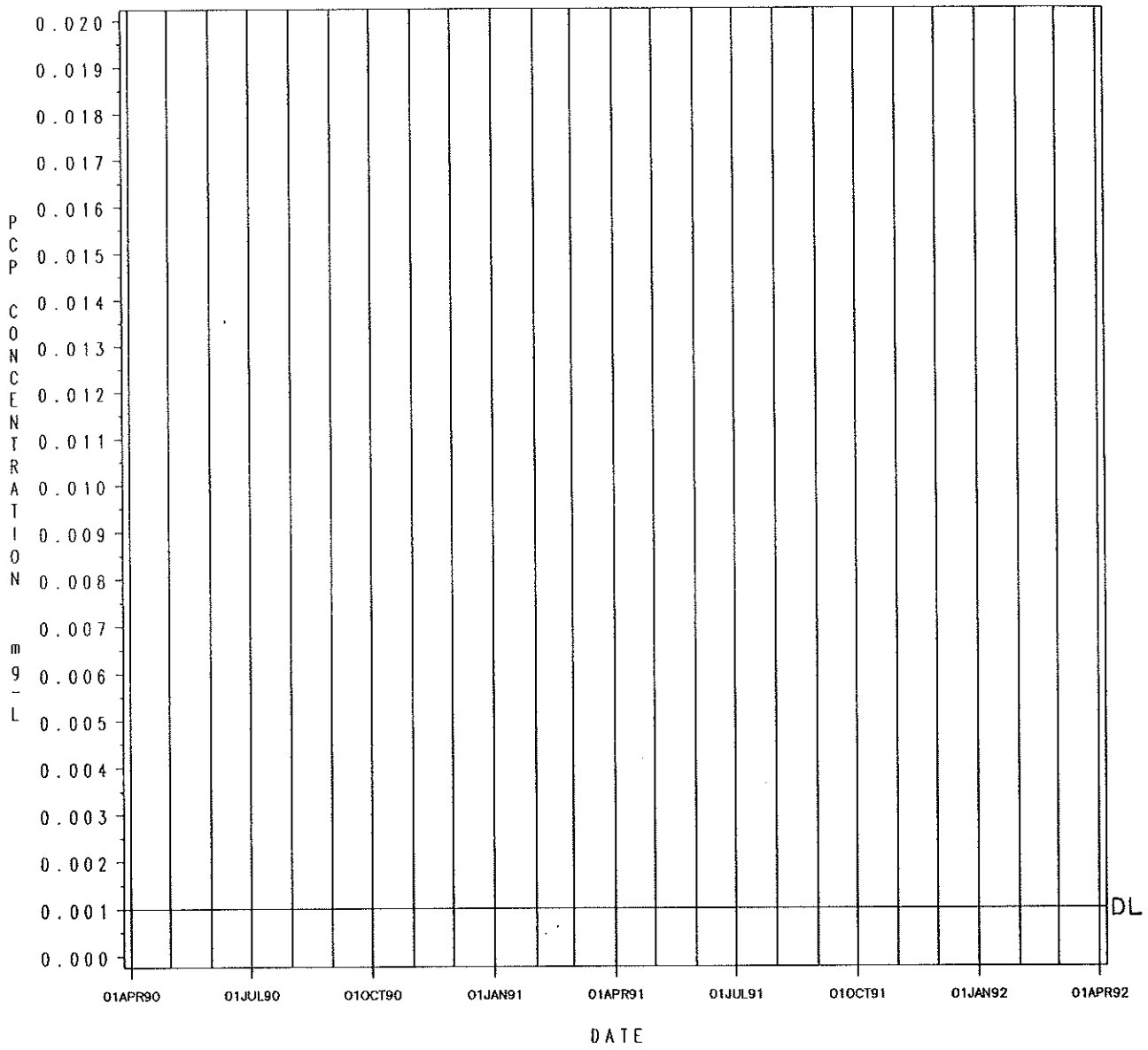
APPENDIX H

TIME SERIES CHARTS

WELL MW-1A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

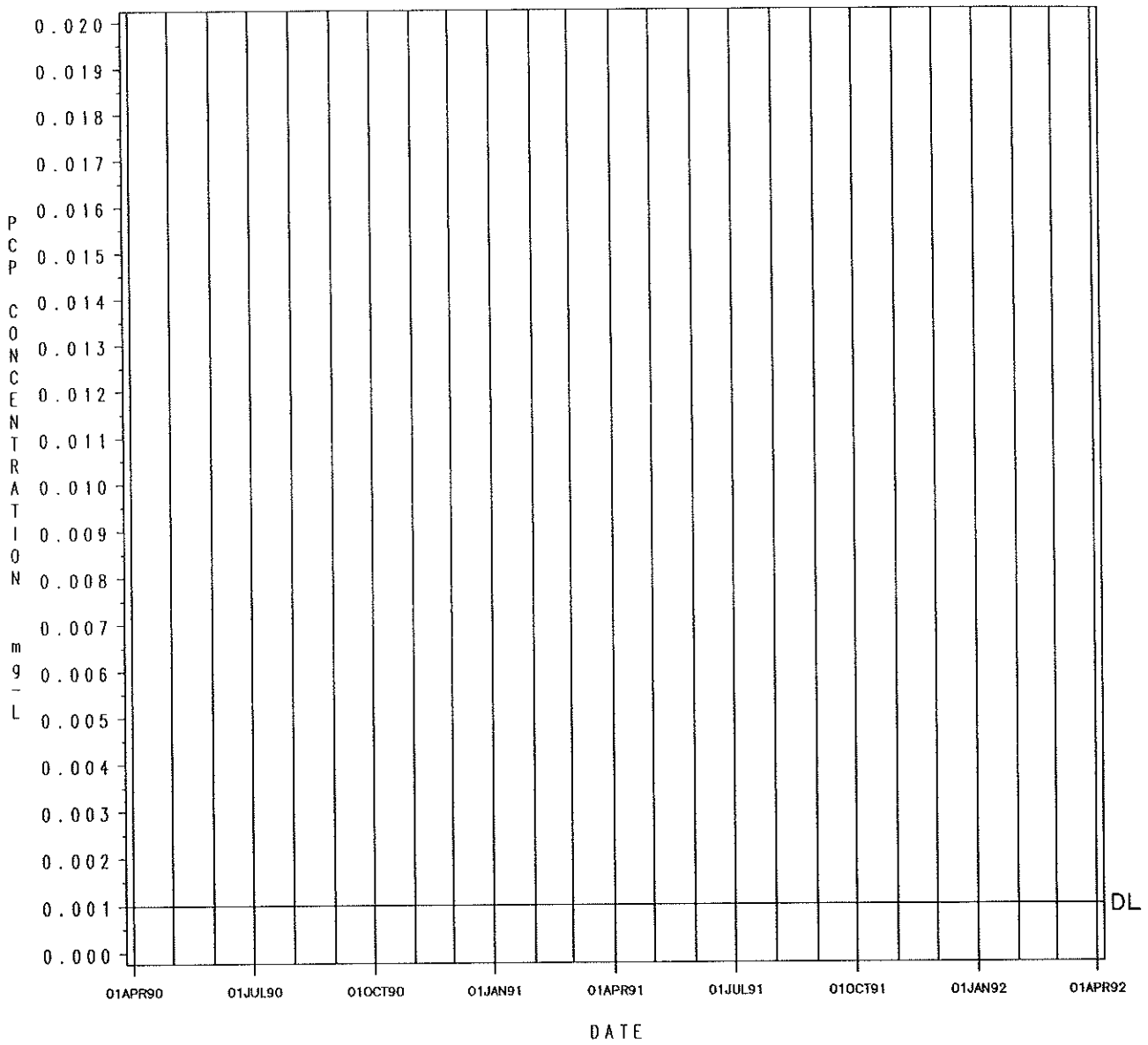


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-1CD

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

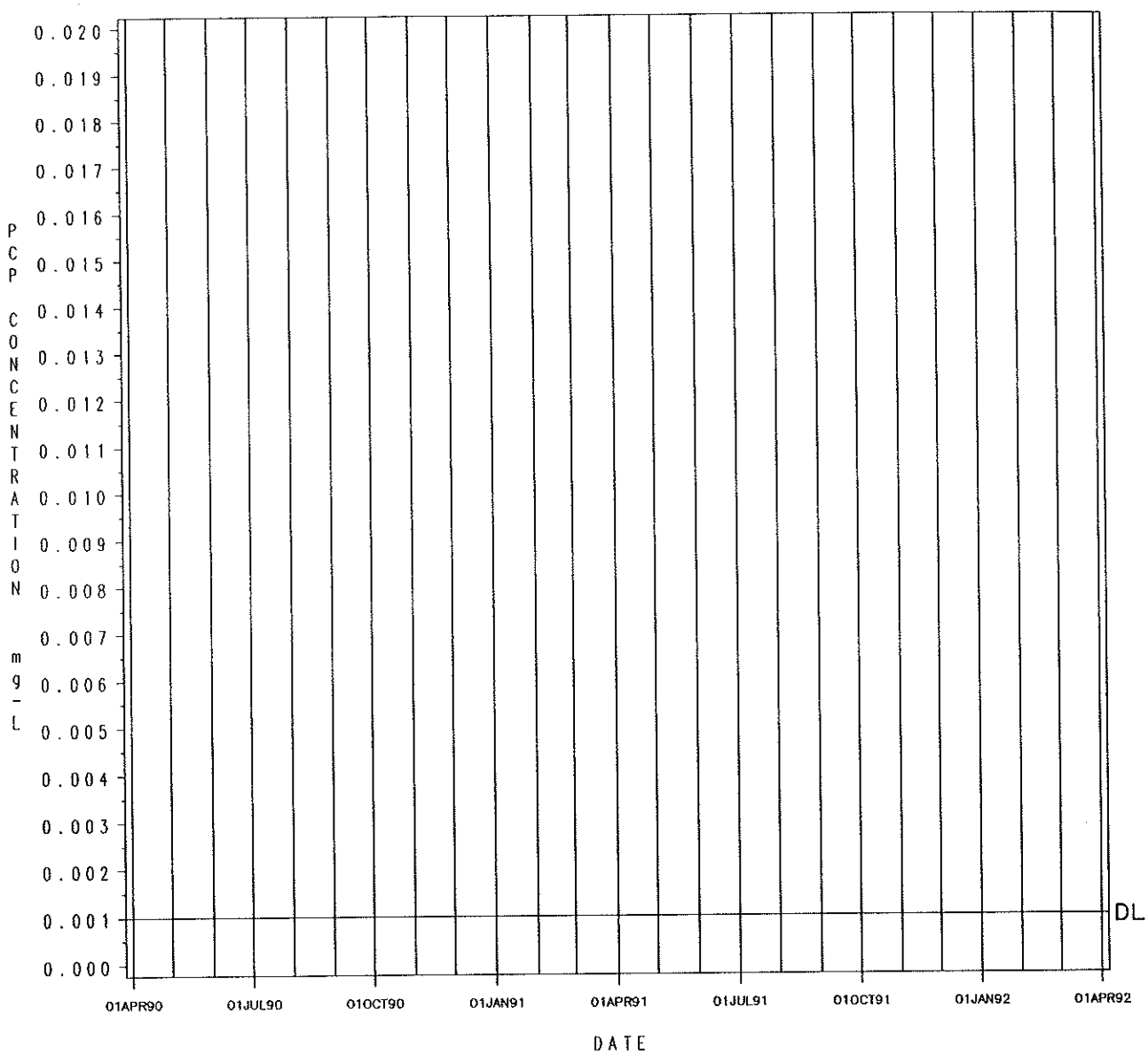


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-1D

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

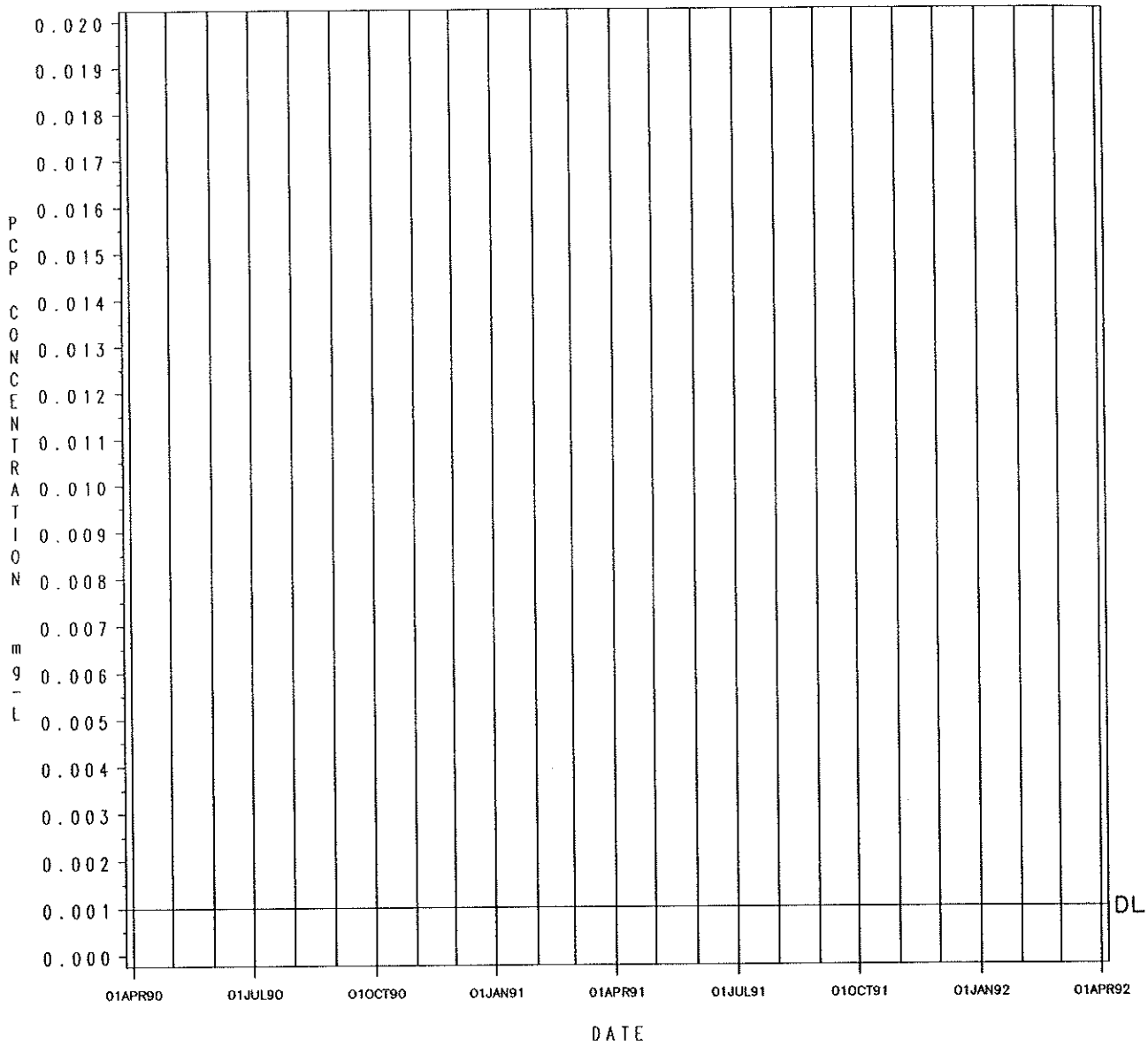


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-2A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

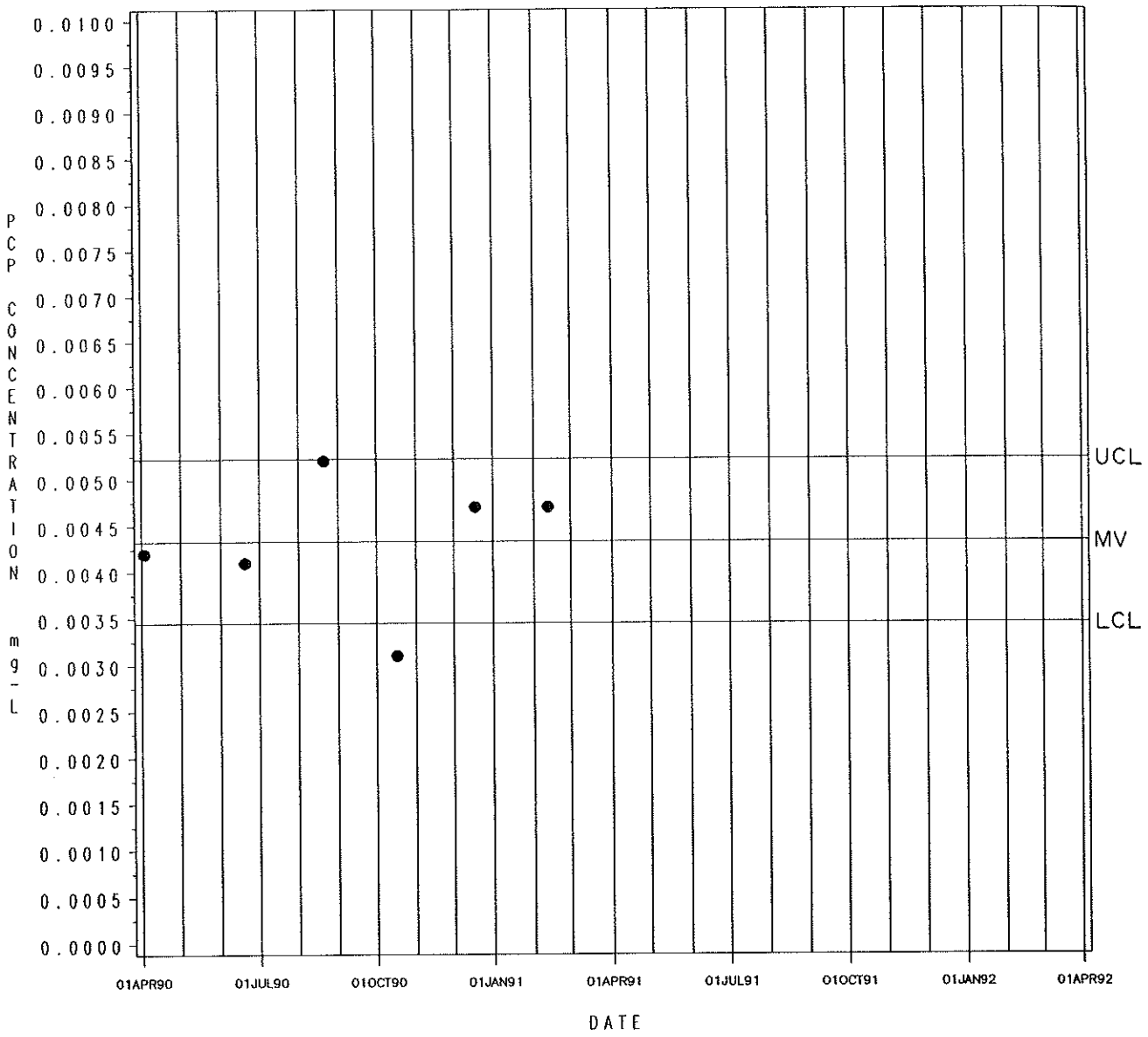


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-2D

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

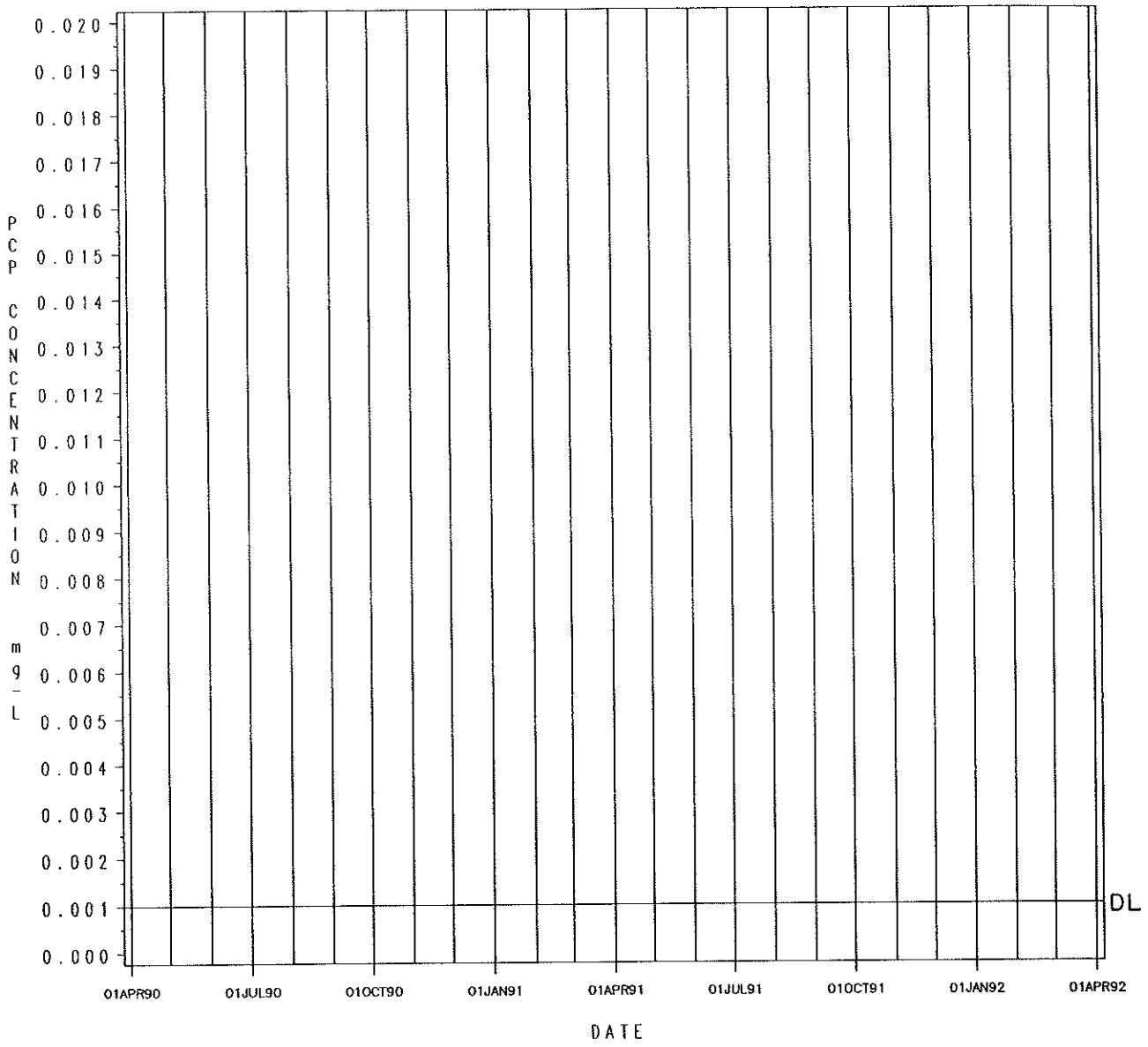


SHOWN ARE REFERENCE LINES FOR UPPER CONTROL LIMIT (UCL),
MEAN VALUE (MV) AND LOWER CONTROL LIMIT (LCL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-2E

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

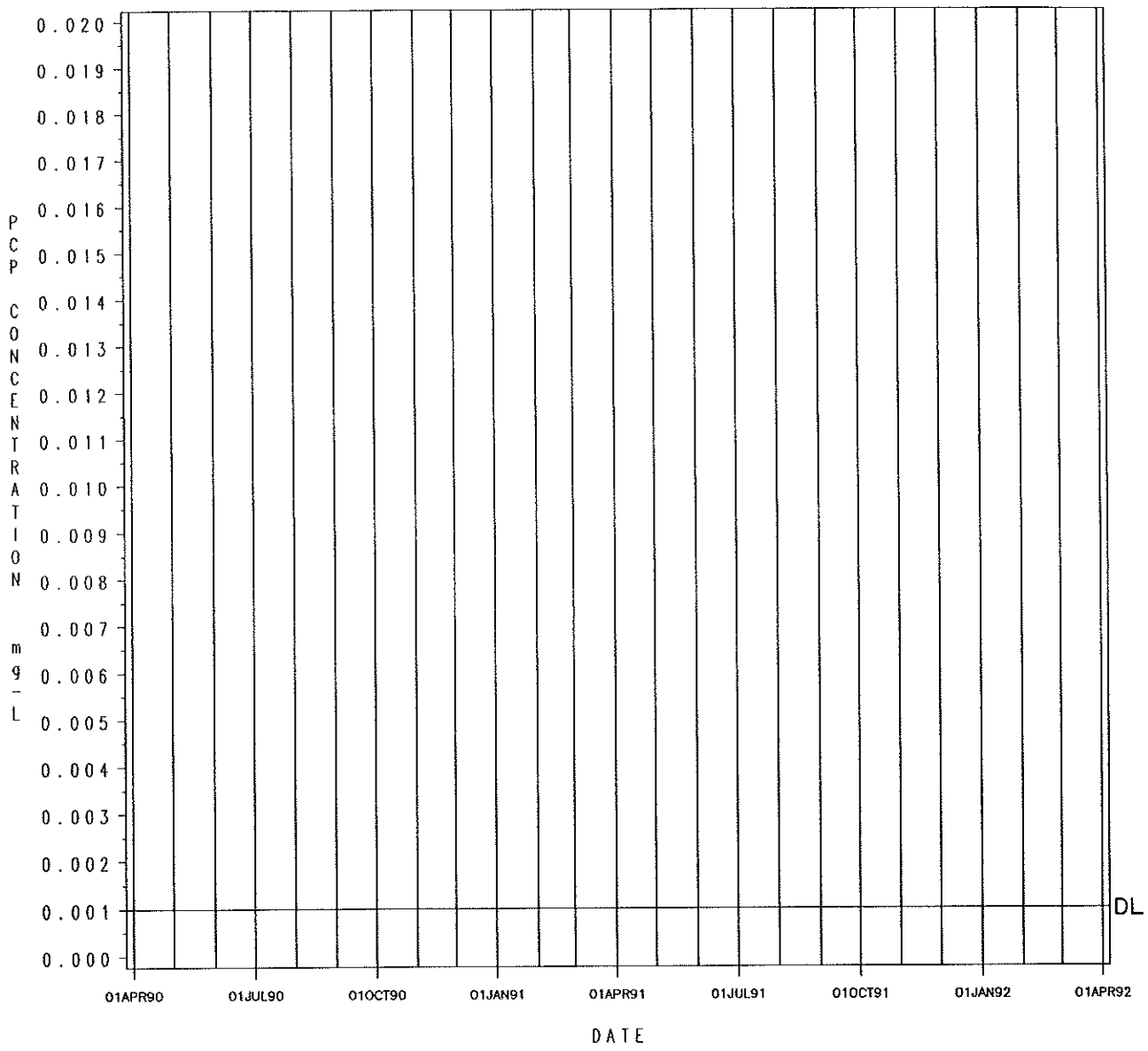


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-4A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

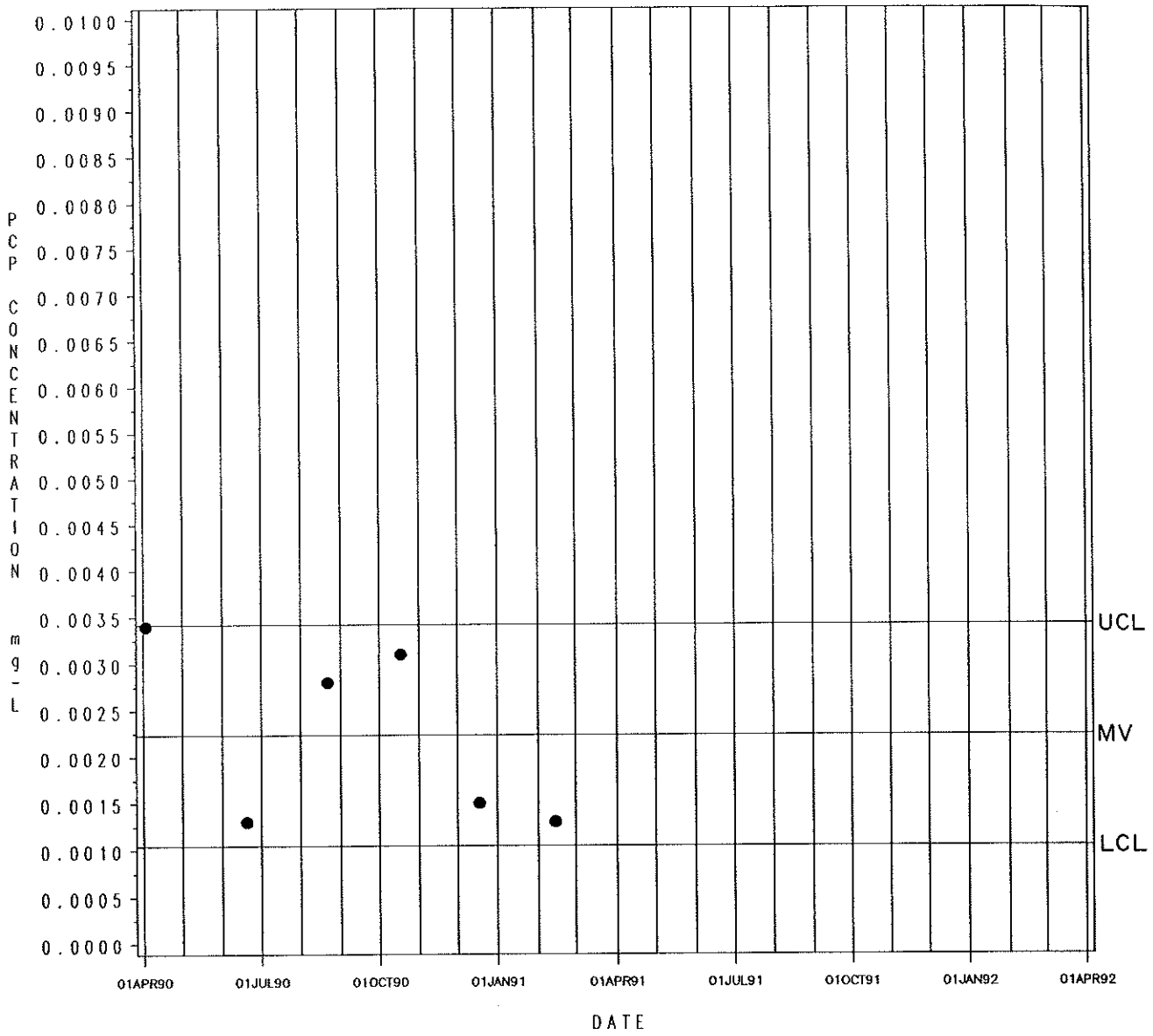


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-4D

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

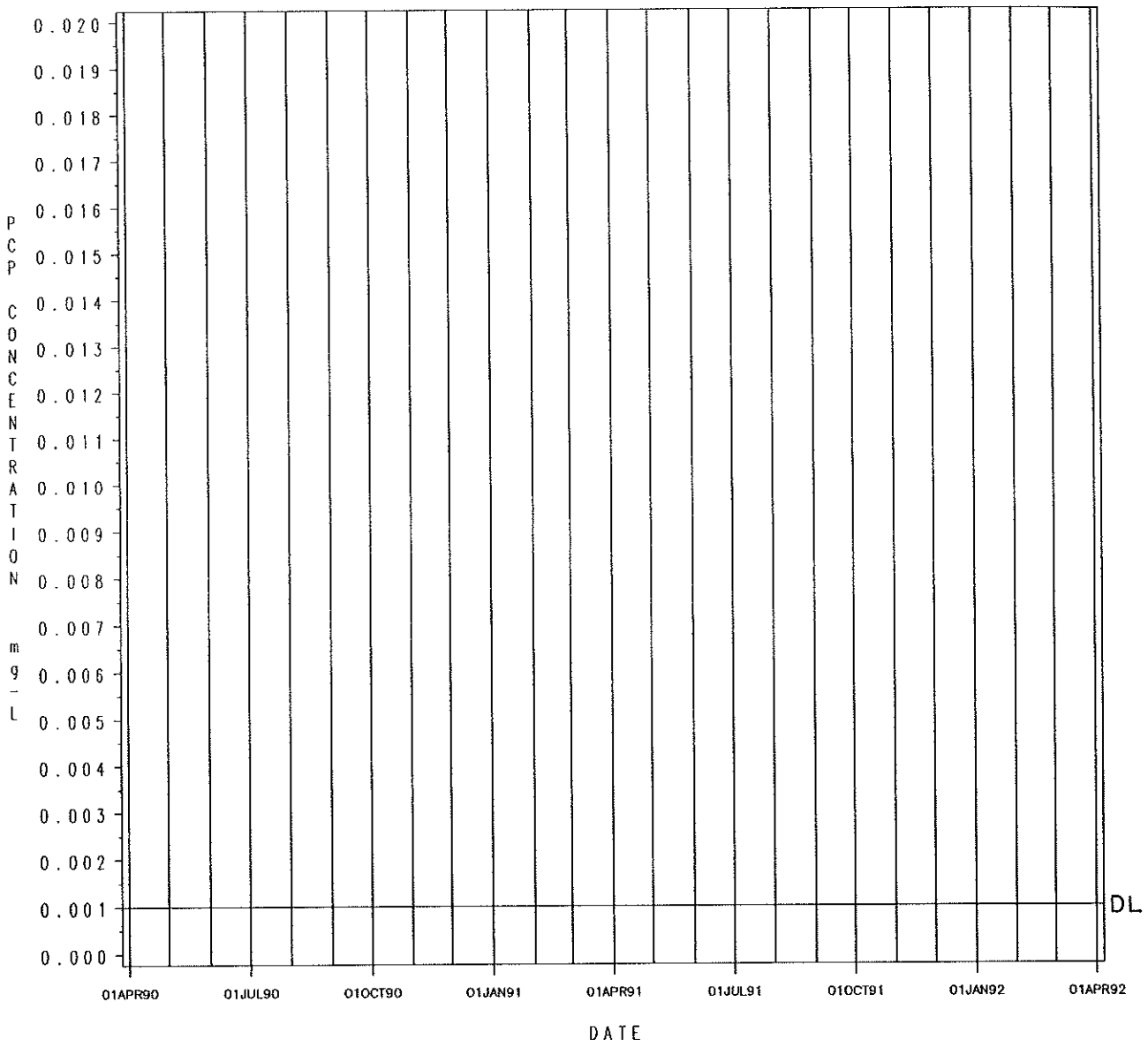


SHOWN ARE REFERENCE LINES FOR UPPER CONTROL LIMIT (UCL),
MEAN VALUE (MV) AND LOWER CONTROL LIMIT (LCL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-4G

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

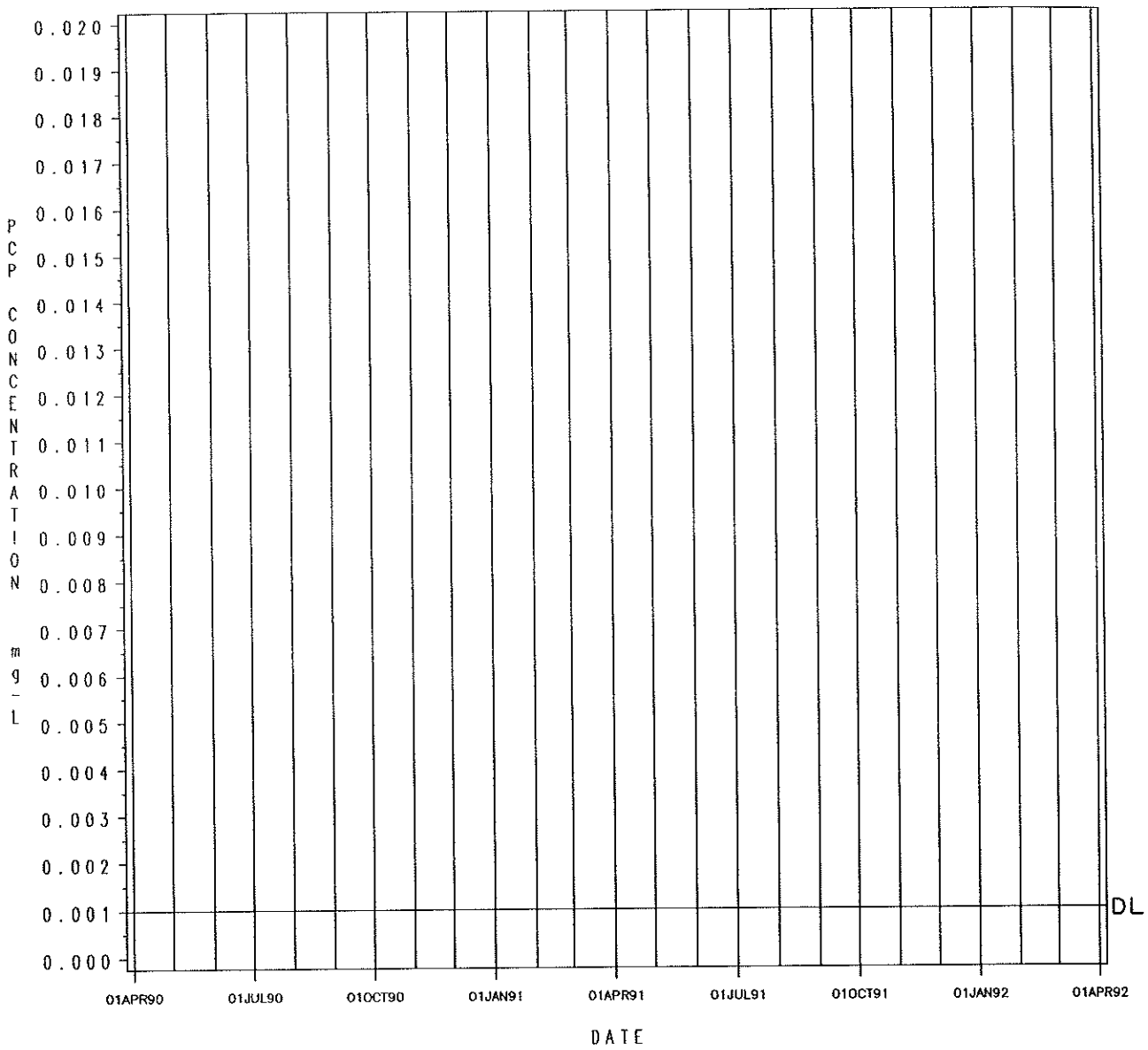


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-5A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

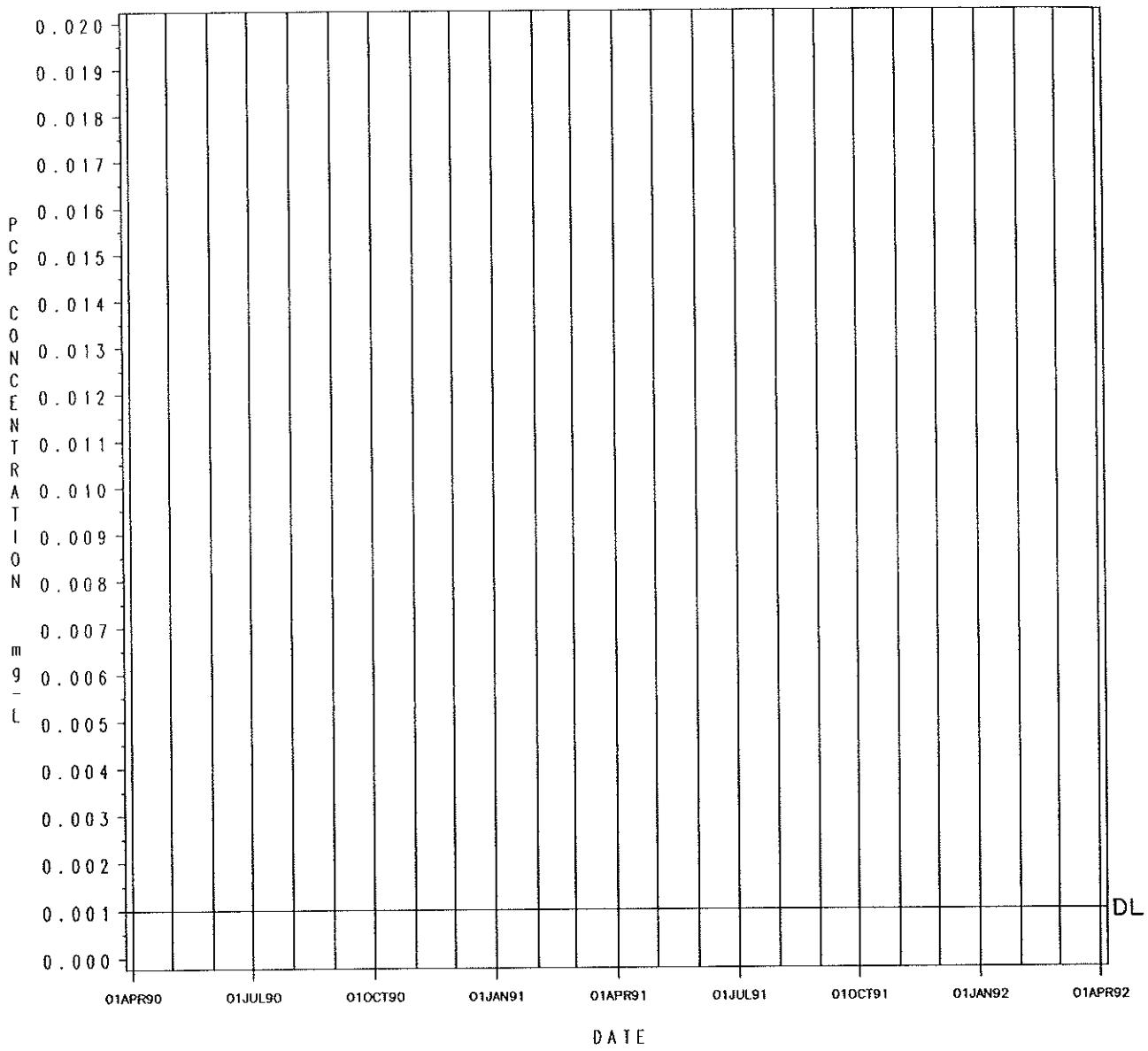


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-5C

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

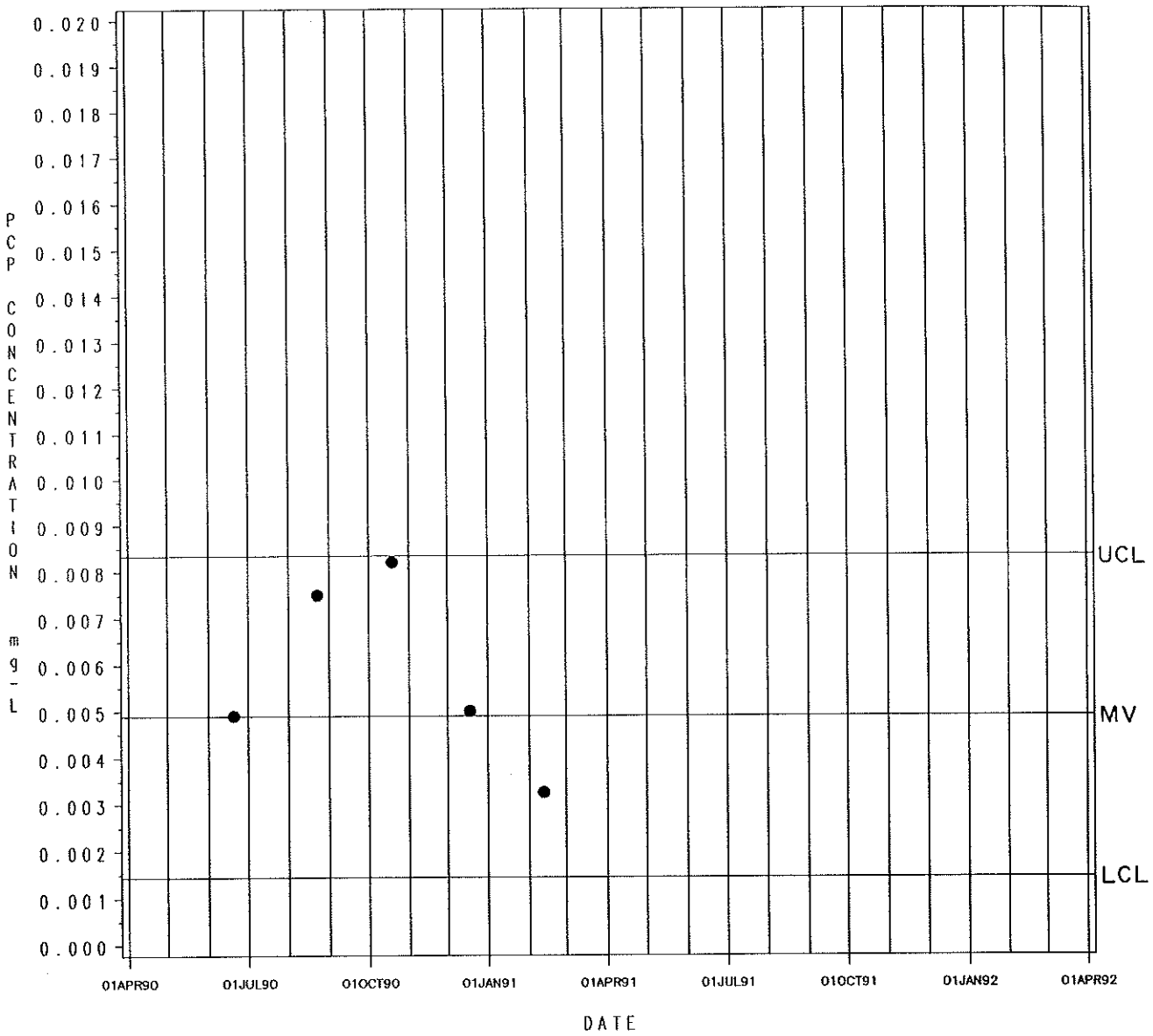


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-5D

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

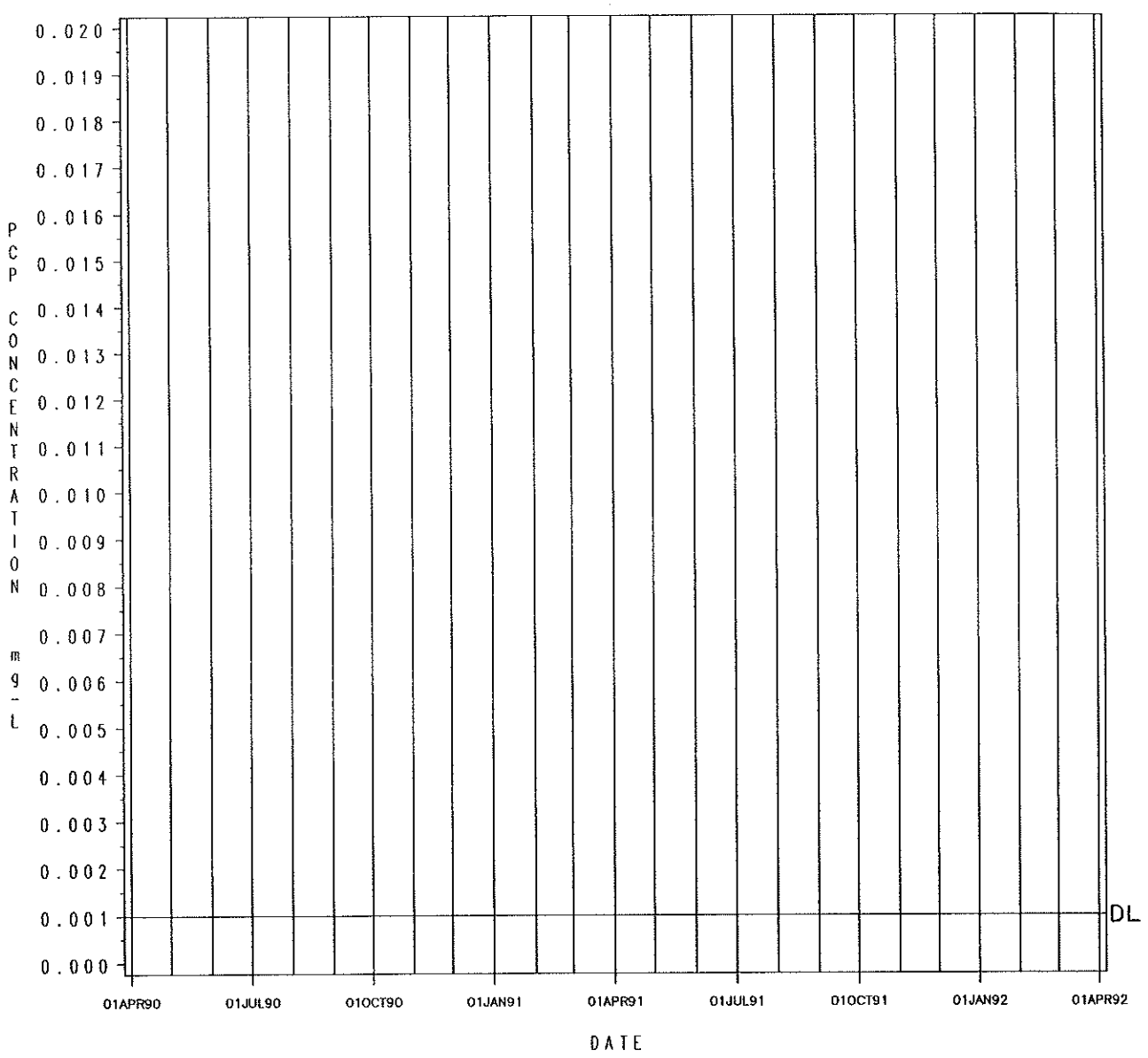


SHOWN ARE REFERENCE LINES FOR UPPER CONTROL LIMIT (UCL),
MEAN VALUE (MV) AND LOWER CONTROL LIMIT (LCL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-6A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

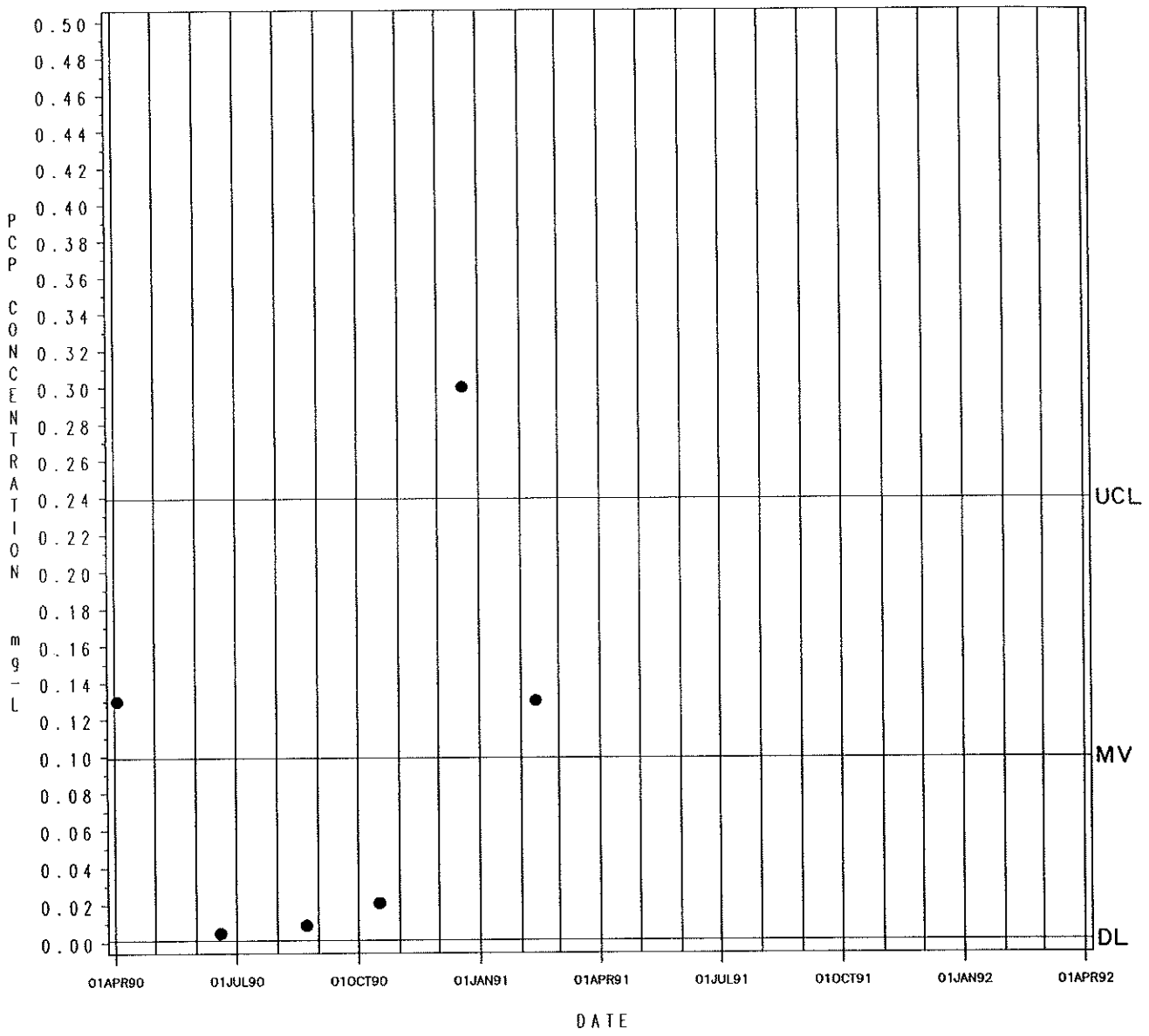


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-6C

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR PCP CONCENTRATION

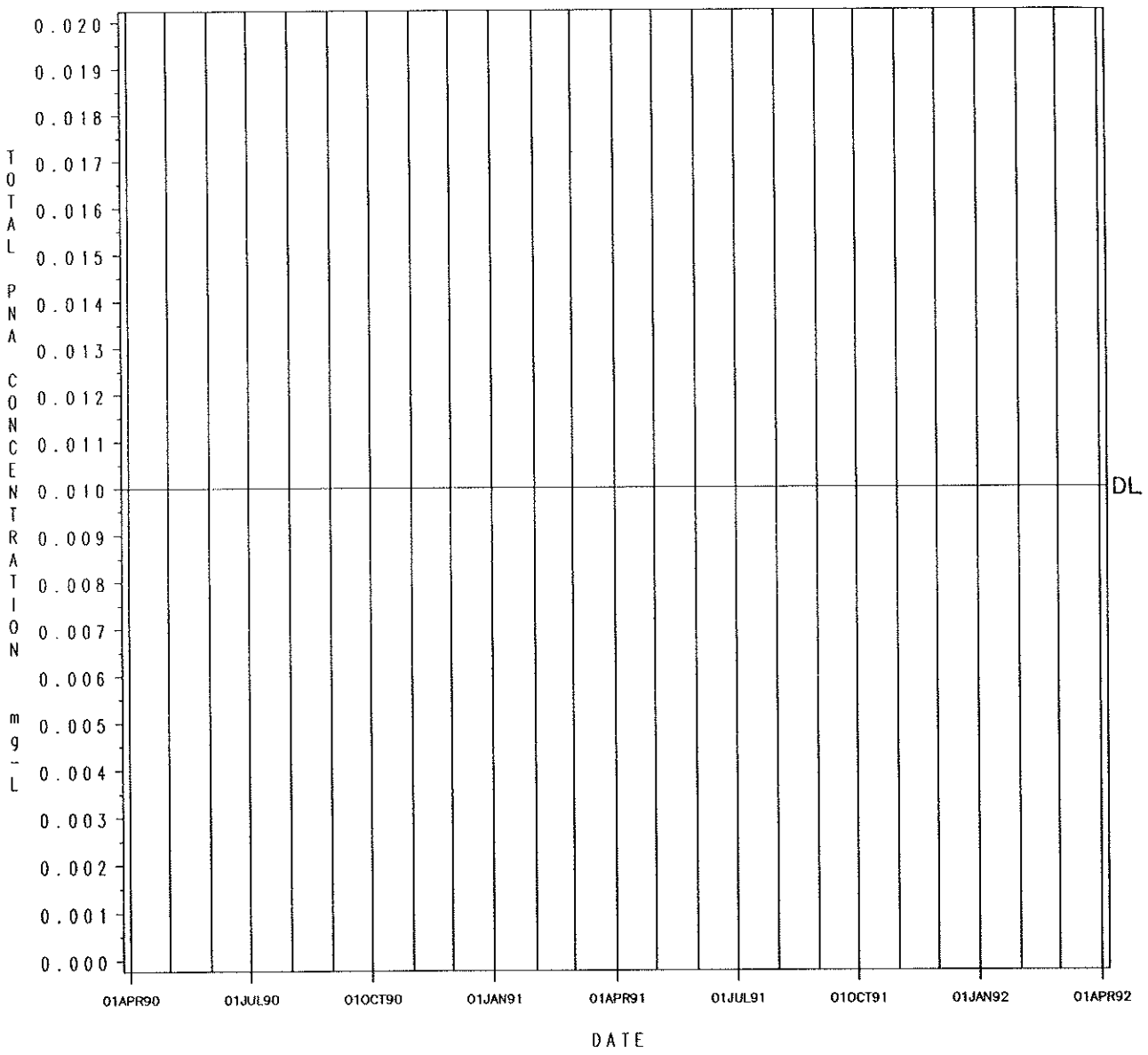


SHOWN ARE REFERENCE LINES FOR UPPER CONTROL LIMIT (UCL),
MEAN VALUE (MV) AND DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-1A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

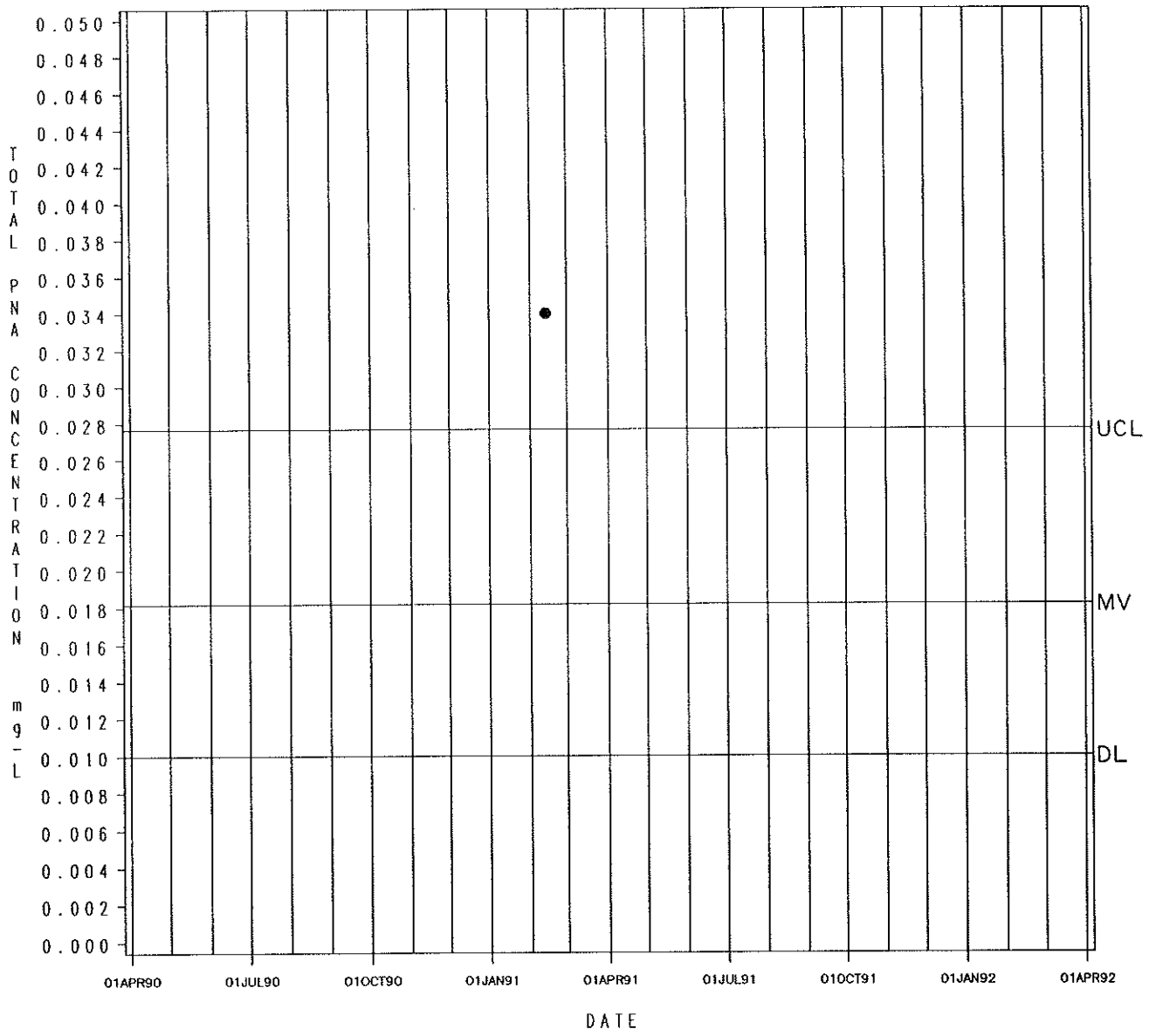


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-1CD

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

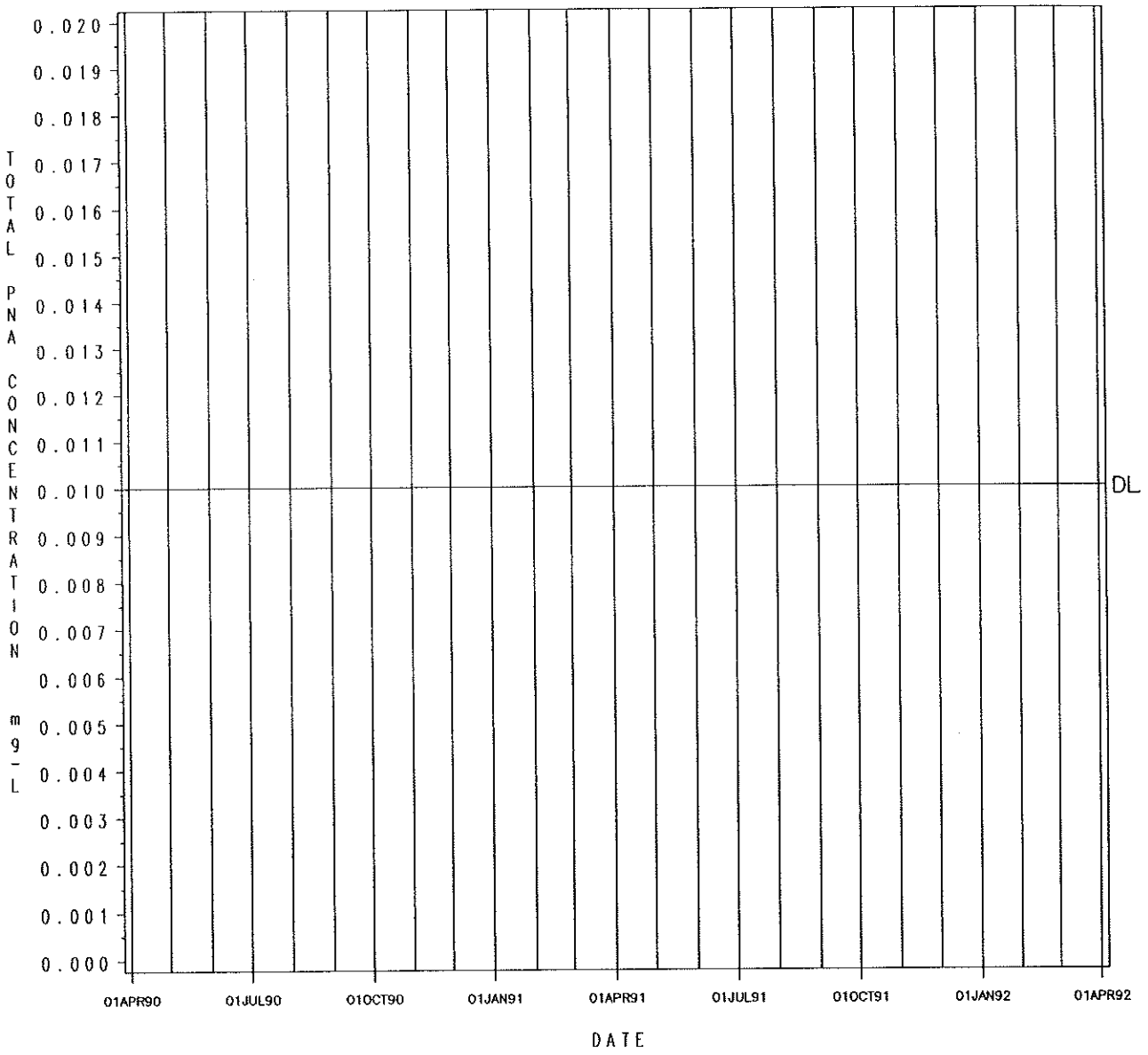


SHOWN ARE REFERENCE LINES FOR UPPER CONTROL LIMIT (UCL)
MEAN VALUE (MV) AND DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-1D

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

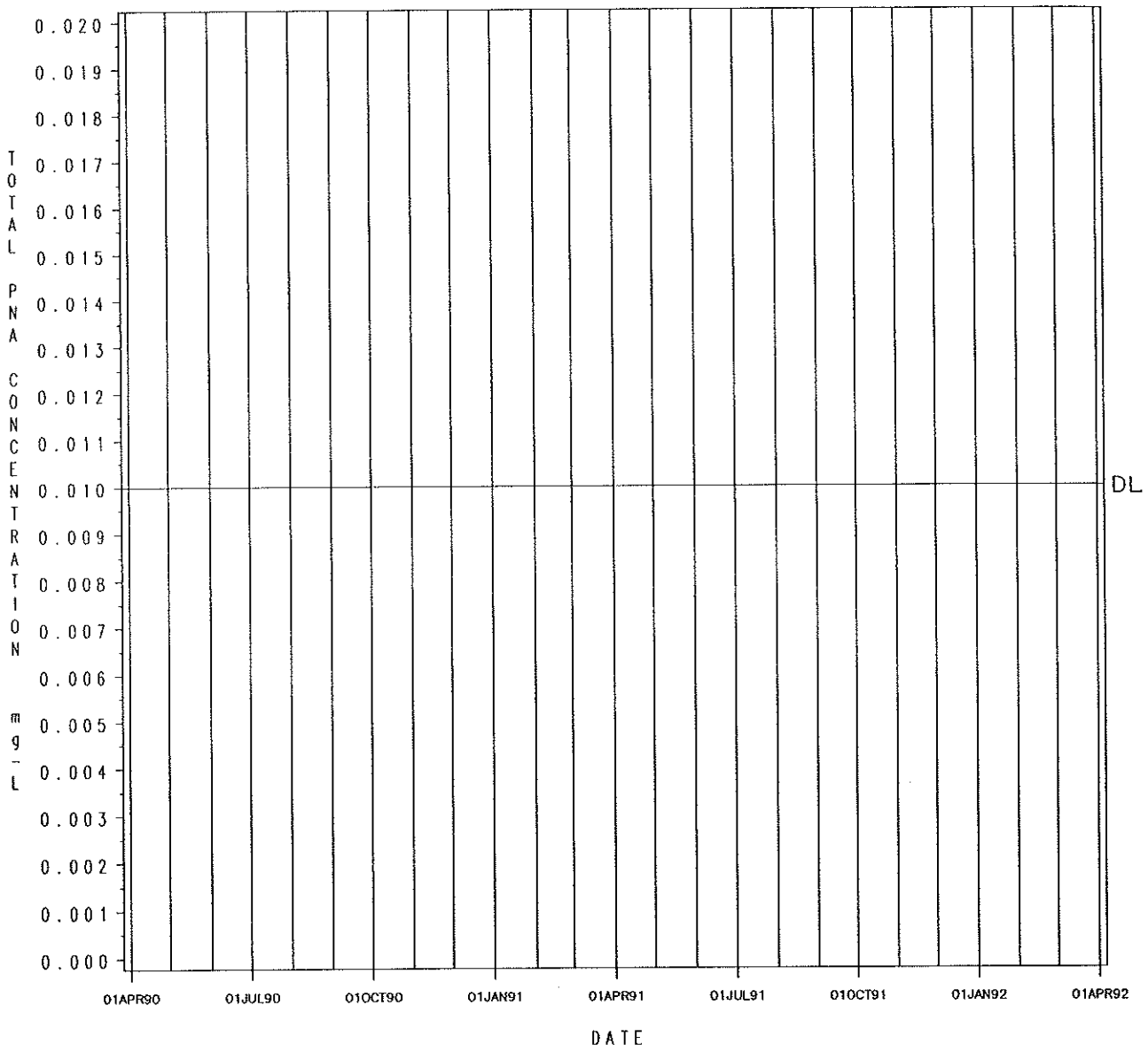


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-2A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

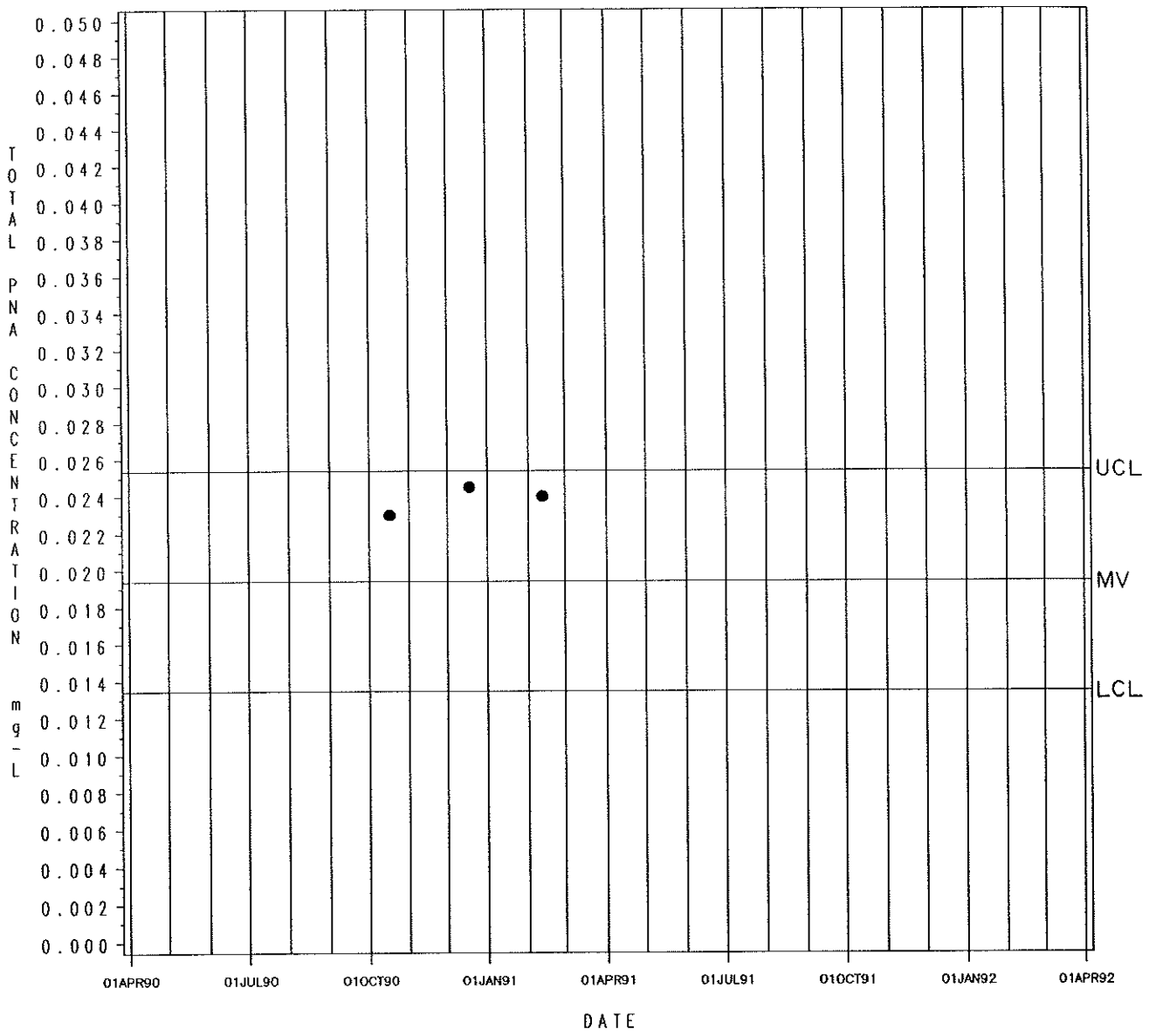


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-2D

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

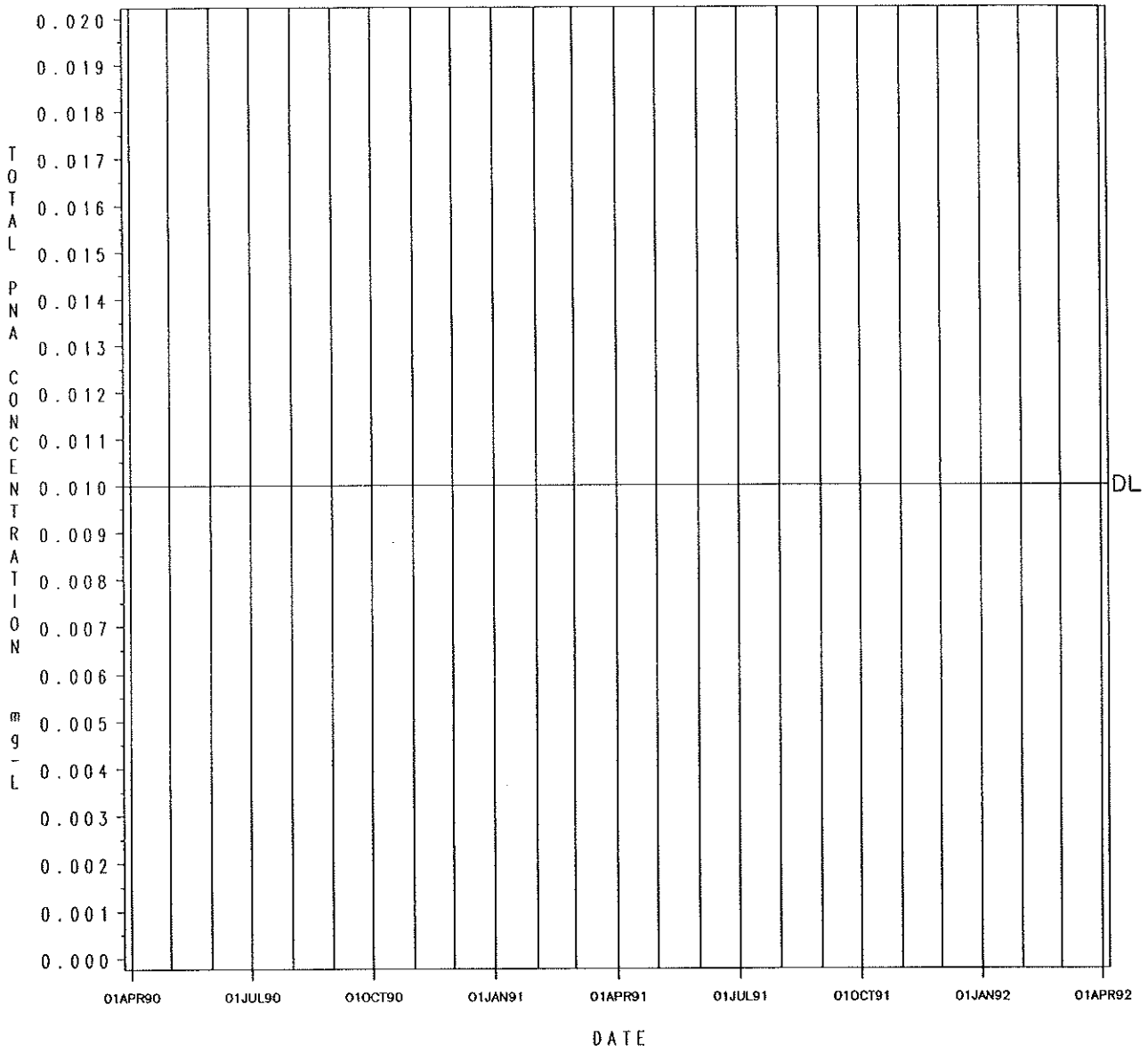


SHOWN ARE REFERENCE LINES FOR UPPER CONTROL LIMIT (UCL),
MEAN VALUE (MV) AND LOWER CONTROL LIMIT (LCL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-2E

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

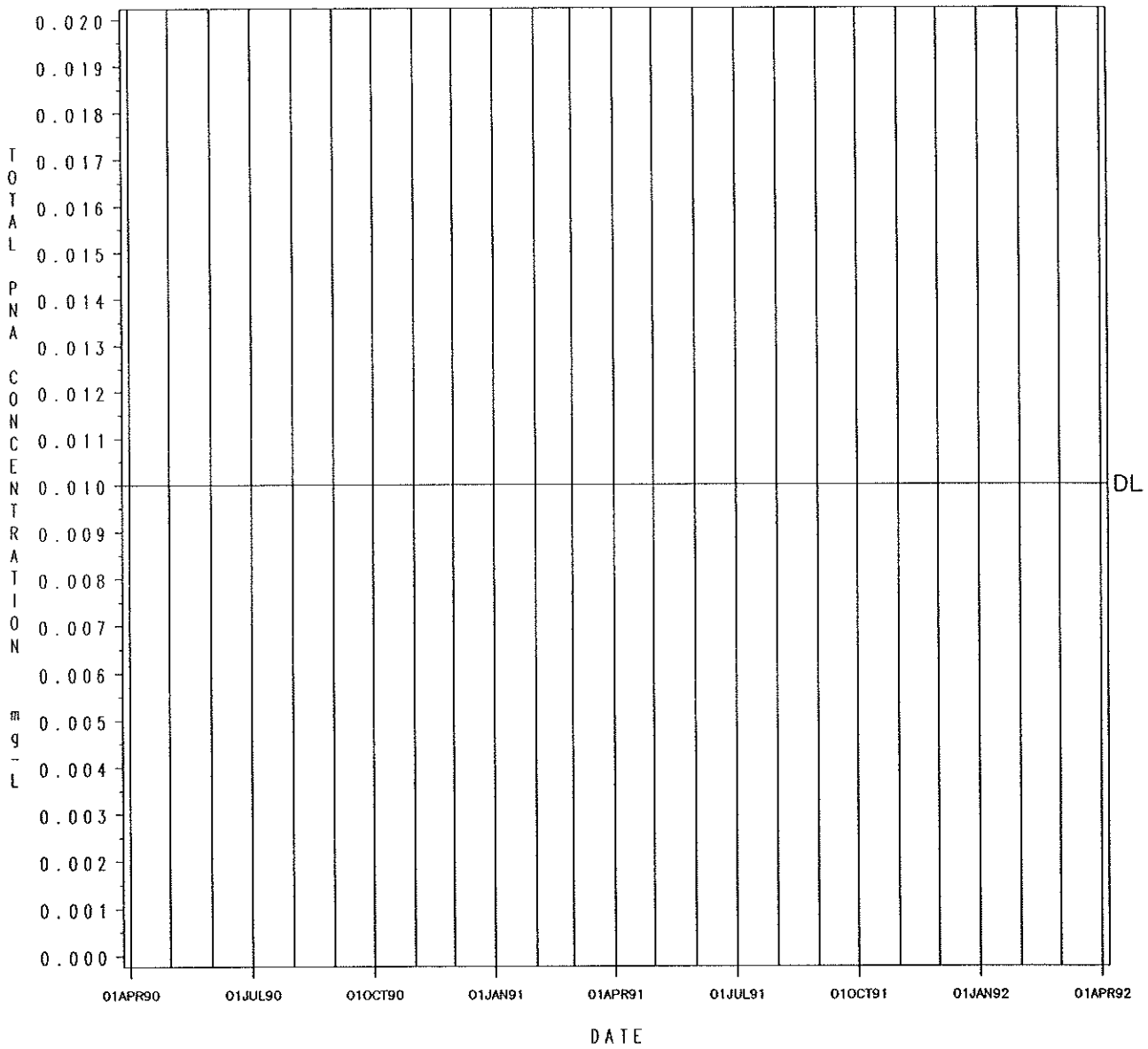


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-4A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

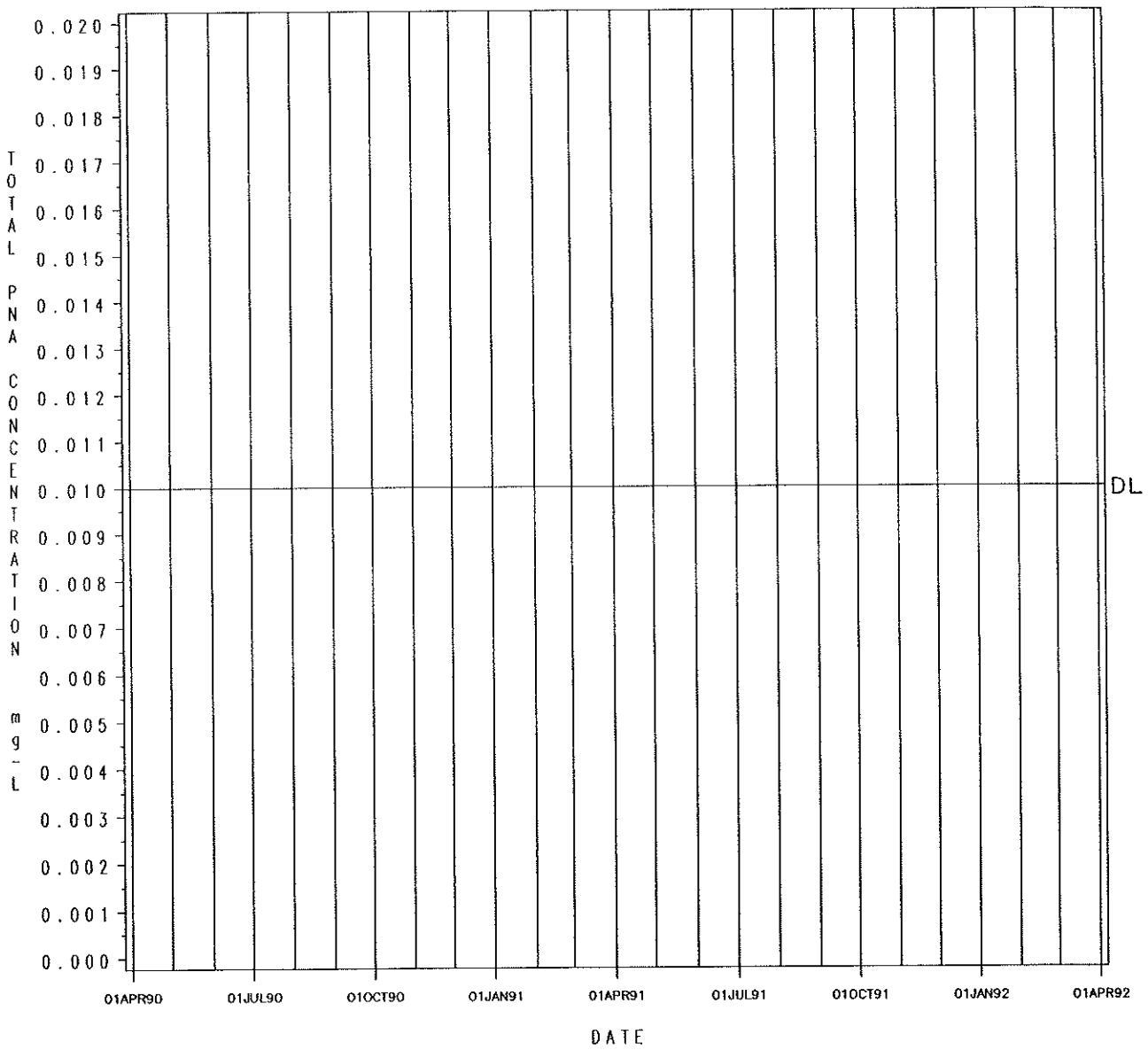


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-4D

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

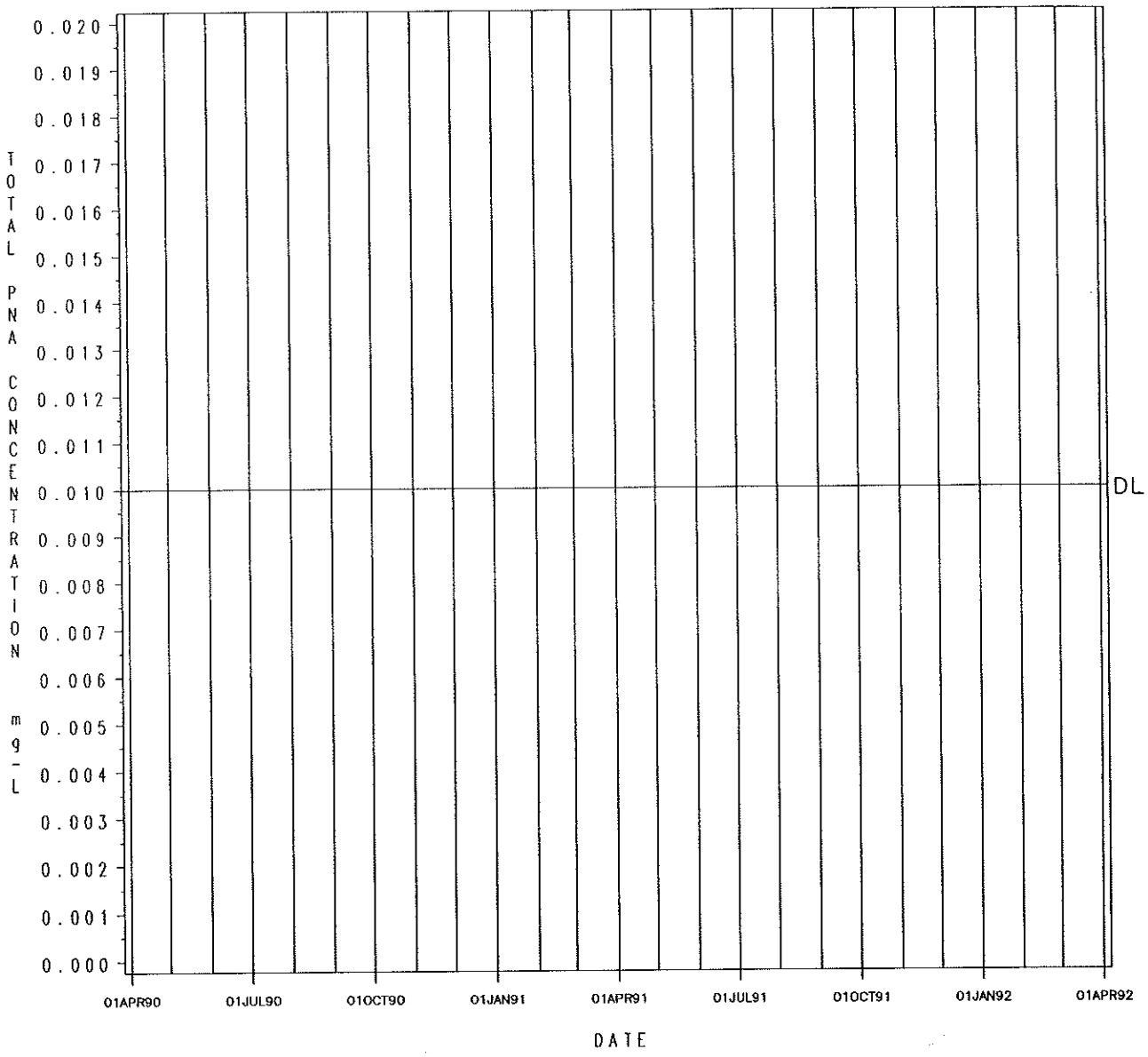


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-4G

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

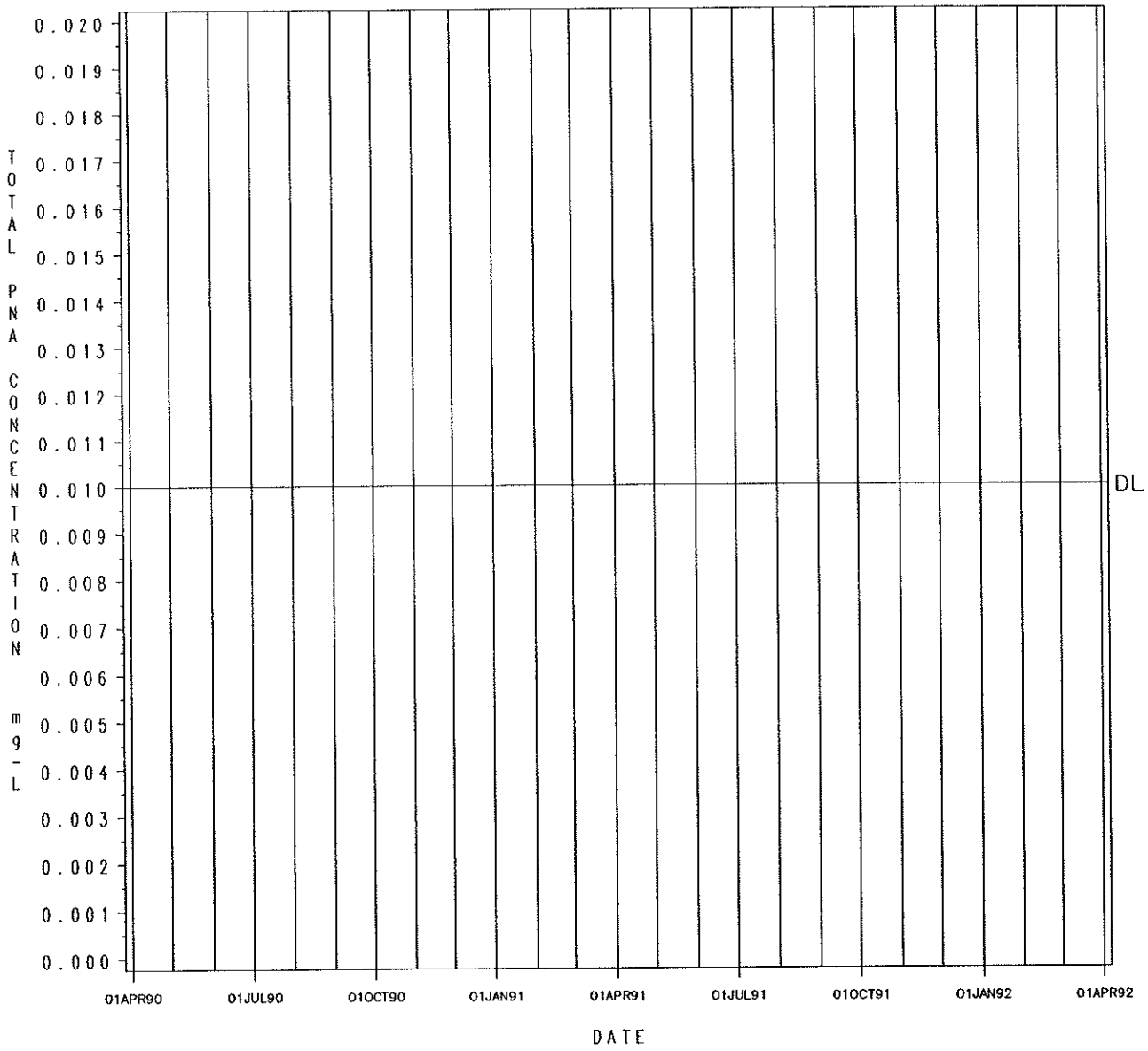


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-5A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

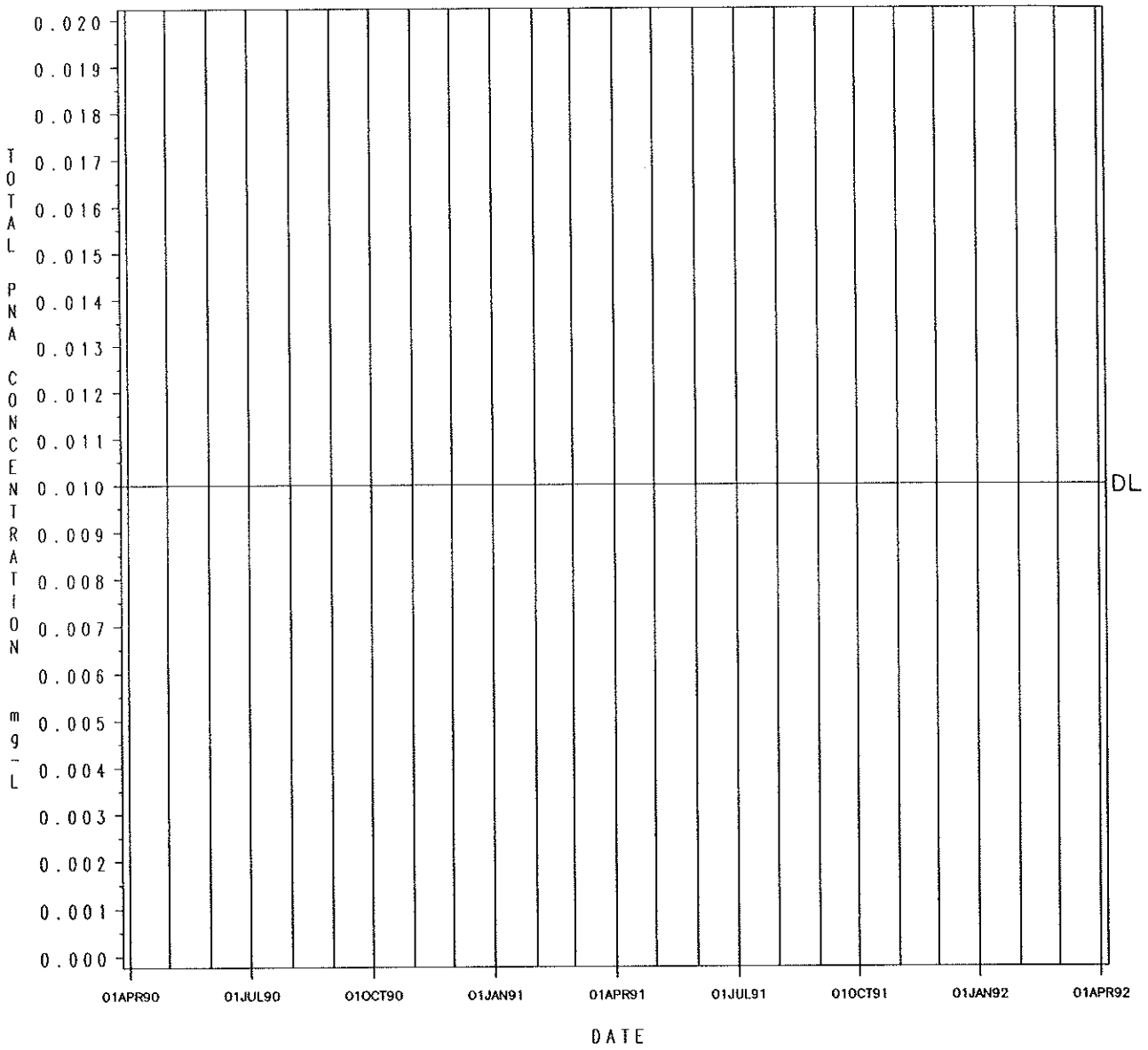


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-5C

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

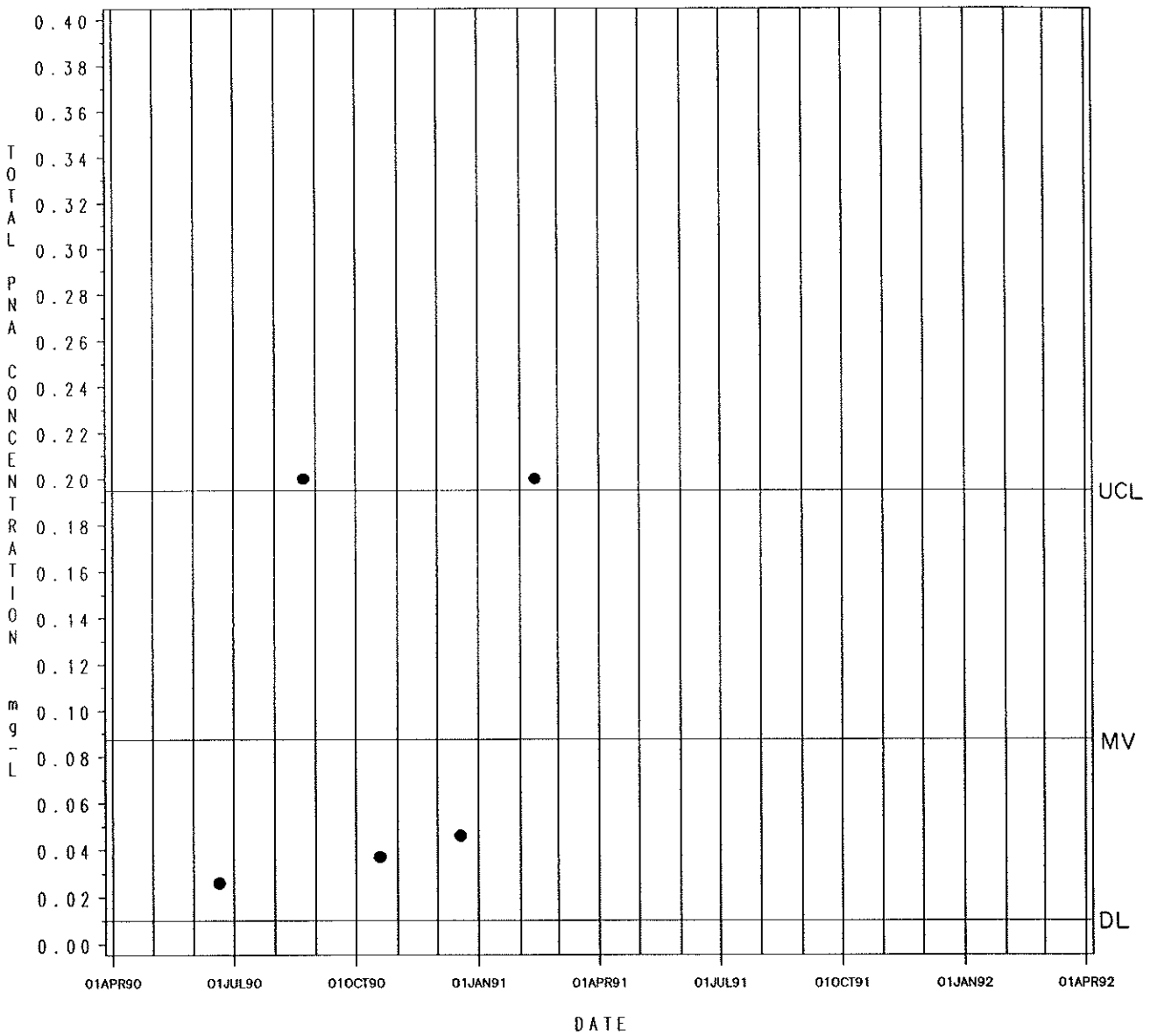


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-5D

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

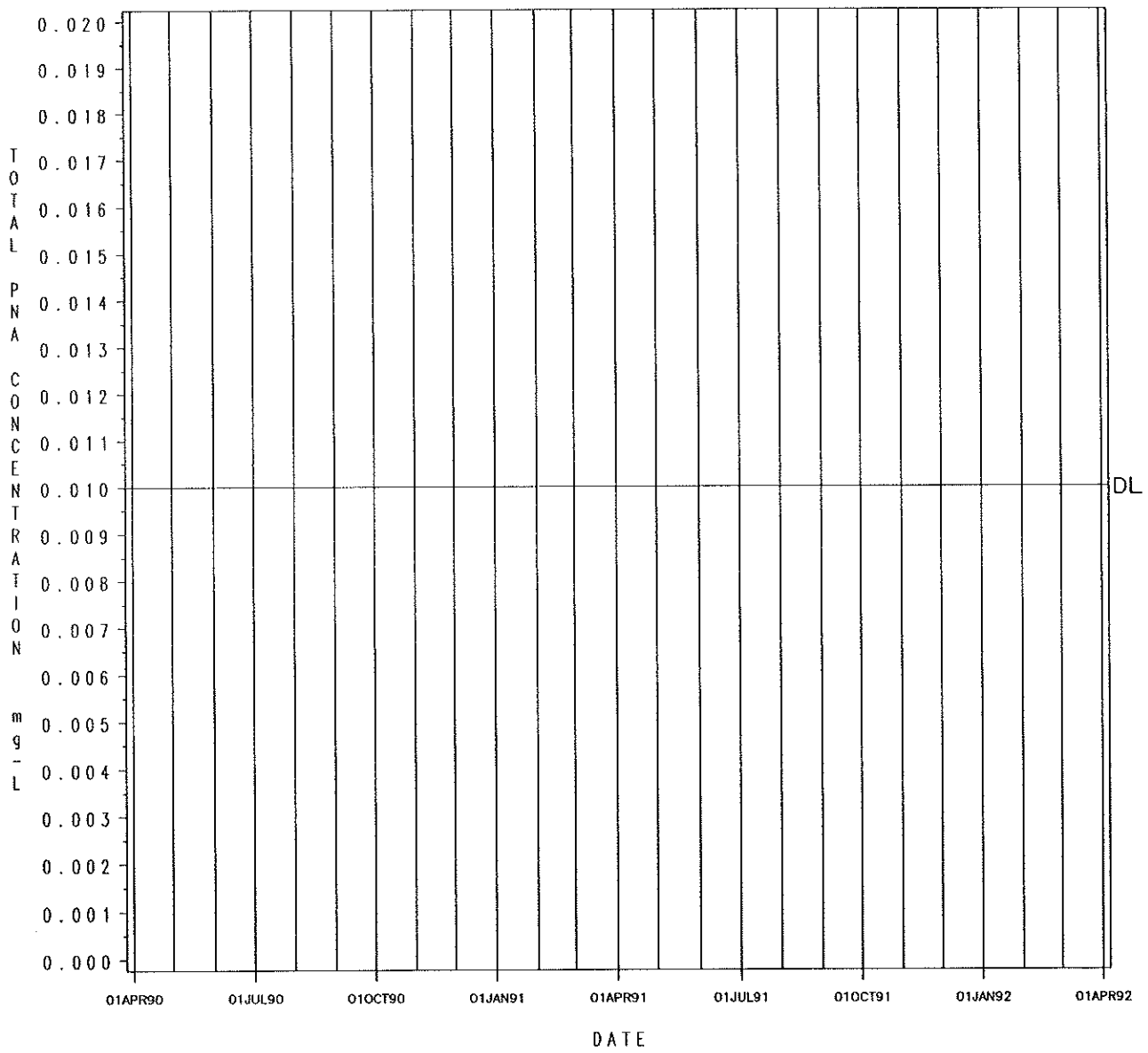


SHOWN ARE REFERENCE LINES FOR UPPER CONTROL LIMIT (UCL),
MEAN VALUE (MV) AND DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-6A

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

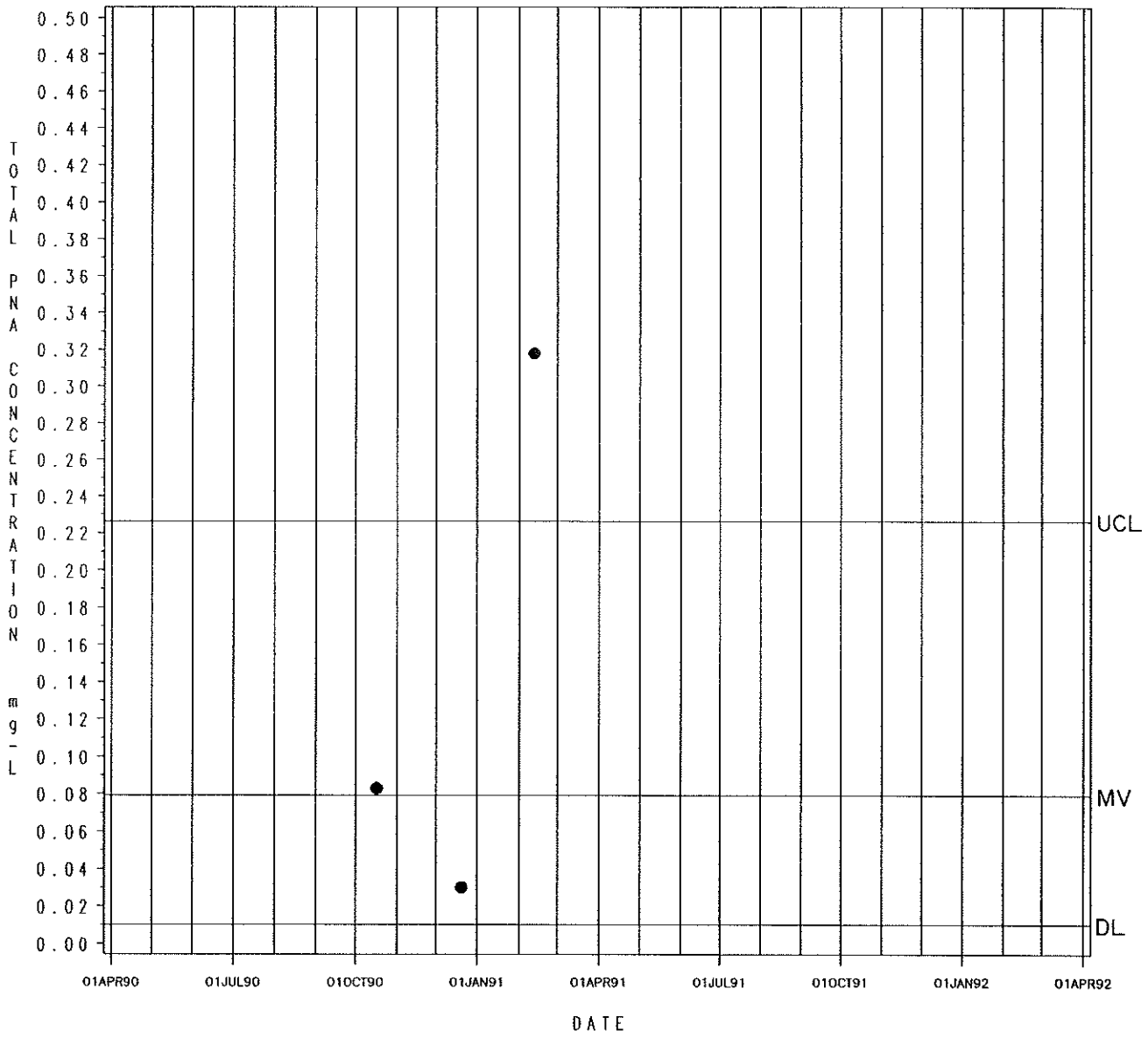


SHOWN IS REFERENCE LINE FOR DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

WELL MW-6C

THOMASON LUMBER AND TIMBER COMPANY

CONTROL CHART FOR TOTAL PNA CONCENTRATION

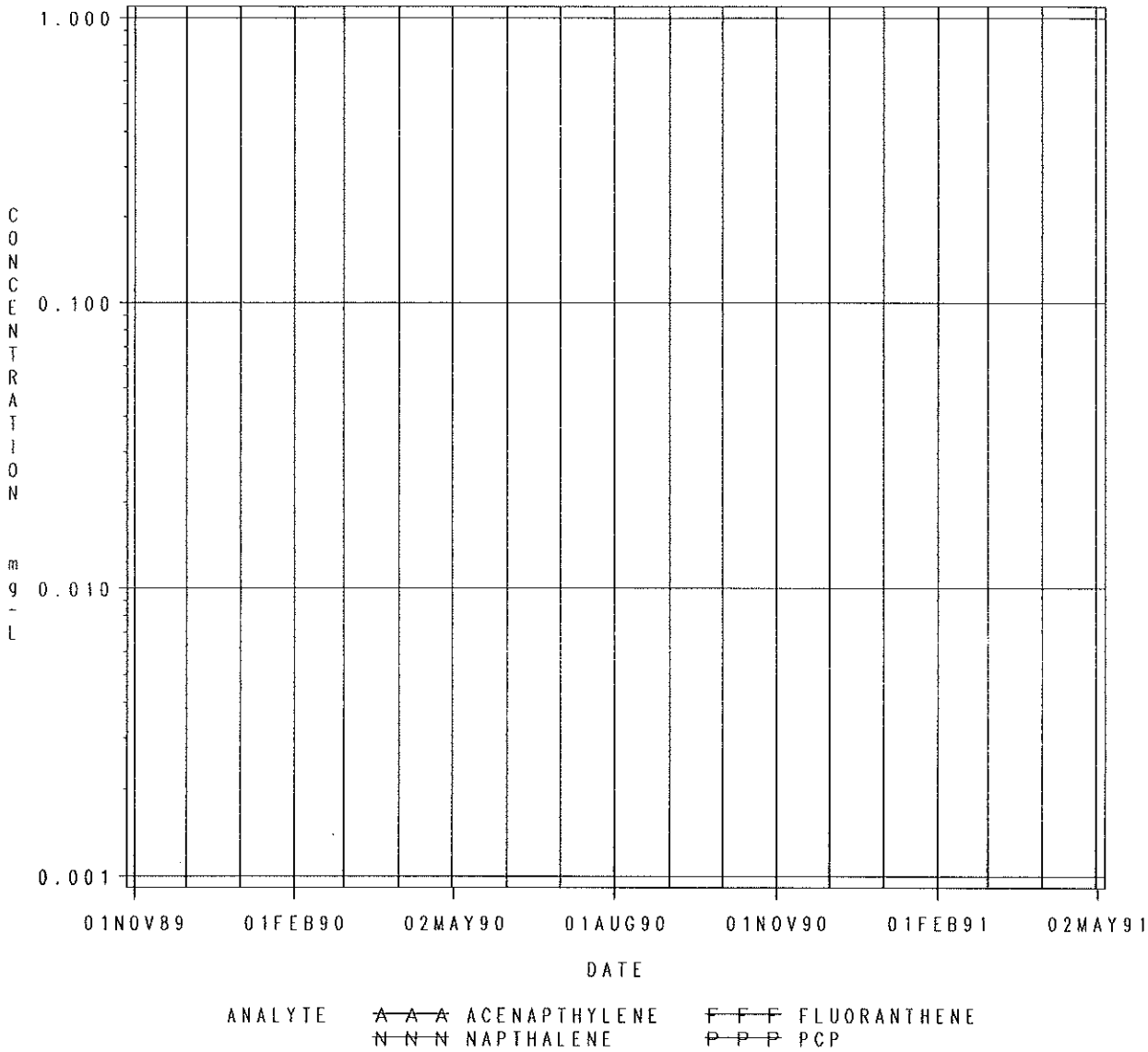


SHOWN ARE REFERENCE LINES FOR UPPER CONTROL LIMIT (UCL),
MEAN VALUE (MV) AND DETECTION LIMIT (DL)
VALUES BELOW DETECTION DO NOT APPEAR ON GRAPH

APPENDIX I

DETECTED ANALYTE GRAPHS

DETECTED ANALYTE CONCENTRATION (mg/l)
MONITORING WELL MW-1A
THOMASON LUMBER AND TIMBER COMPANY



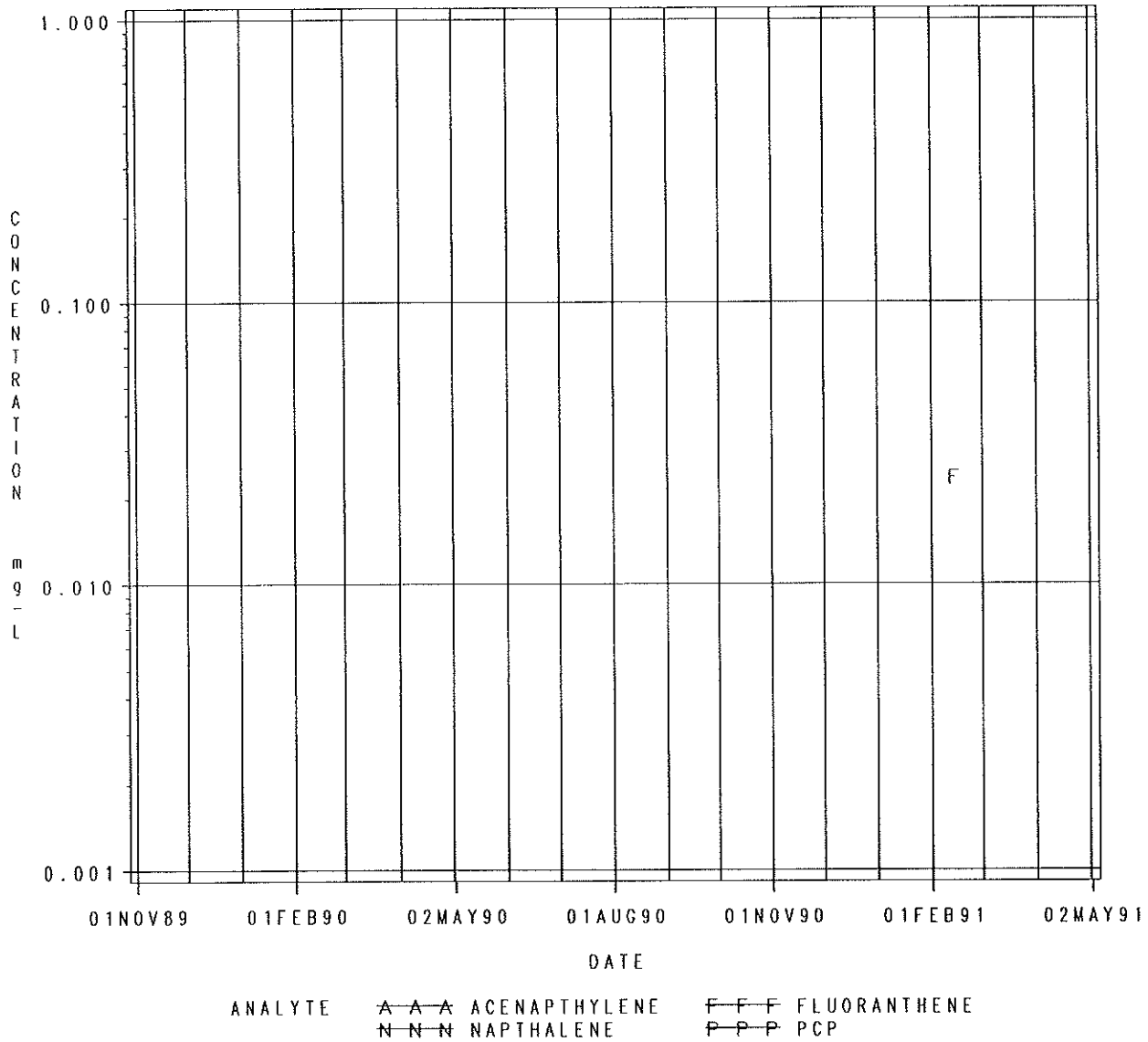
DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-1CD

THOMASON LUMBER AND TIMBER COMPANY



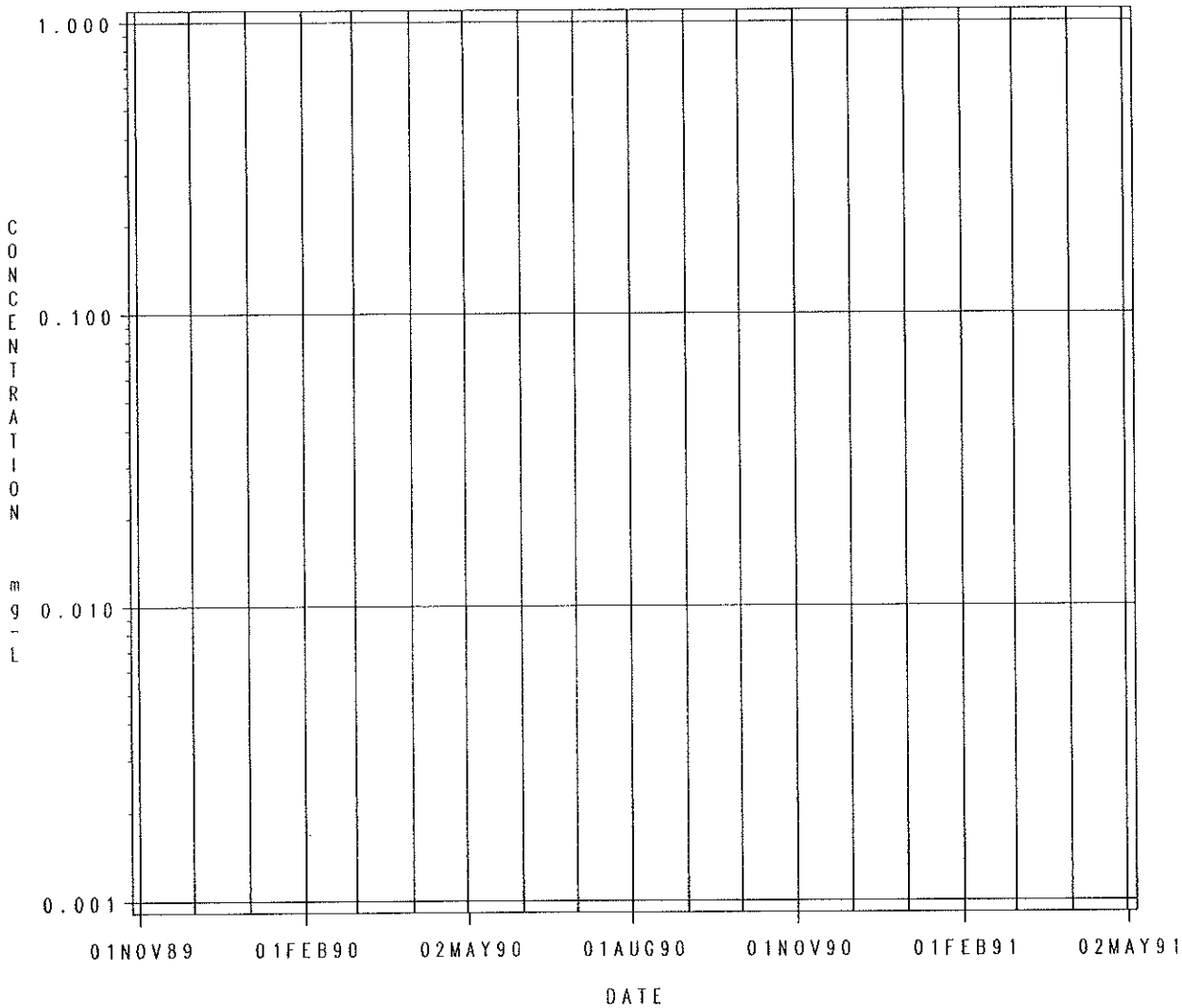
DETECTION LIMITS

P	= PCP	0.001	mg/l
A	= ACENAPTHYLENE	0.01	mg/l
F	= FLUORANTHENE	0.01	mg/l
N	= NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-1D

THOMASON LUMBER AND TIMBER COMPANY



ANALYTE ~~A A A~~ ACENAPTHYLENE ~~F F F~~ FLUORANTHENE
~~N N N~~ NAPTHALENE ~~P P P~~ PCP

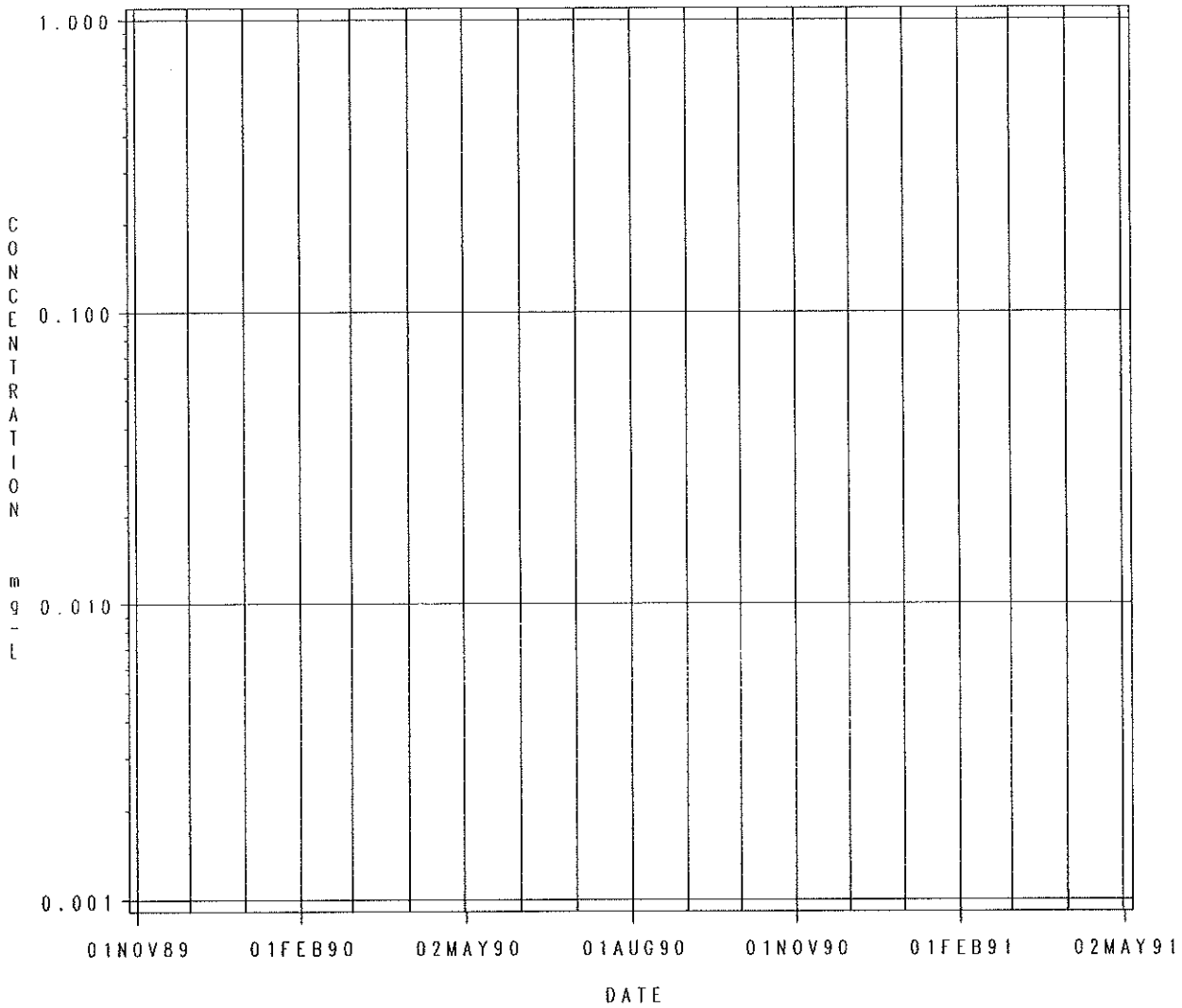
DETECTION LIMITS

P	=	PCP	0.001	mg/l
A	=	ACENAPTHYLENE	0.01	mg/l
F	=	FLUORANTHENE	0.01	mg/l
N	=	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-2A

THOMASON LUMBER AND TIMBER COMPANY



ANALYTE ~~A A A~~ ACENAPTHYLENE ~~F F F~~ FLUORANTHENE
~~N N N~~ NAPTHALENE ~~P P P~~ PCP

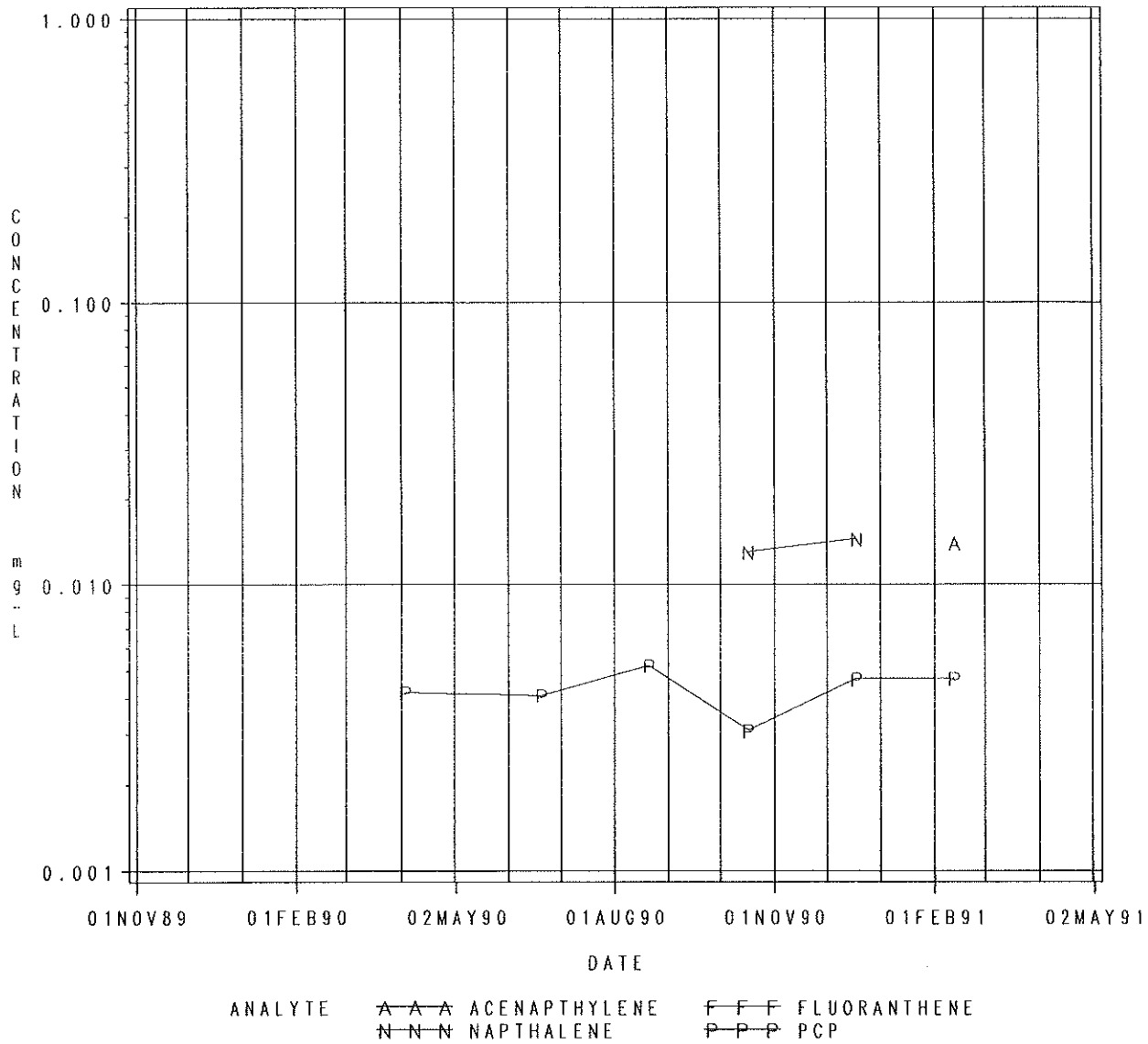
DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-2D

THOMASON LUMBER AND TIMBER COMPANY



ANALYTE ~~A A A~~ ACENAPTHYLENE ~~F F F~~ FLUORANTHENE
~~N N N~~ NAPTHALENE ~~P P P~~ PCP

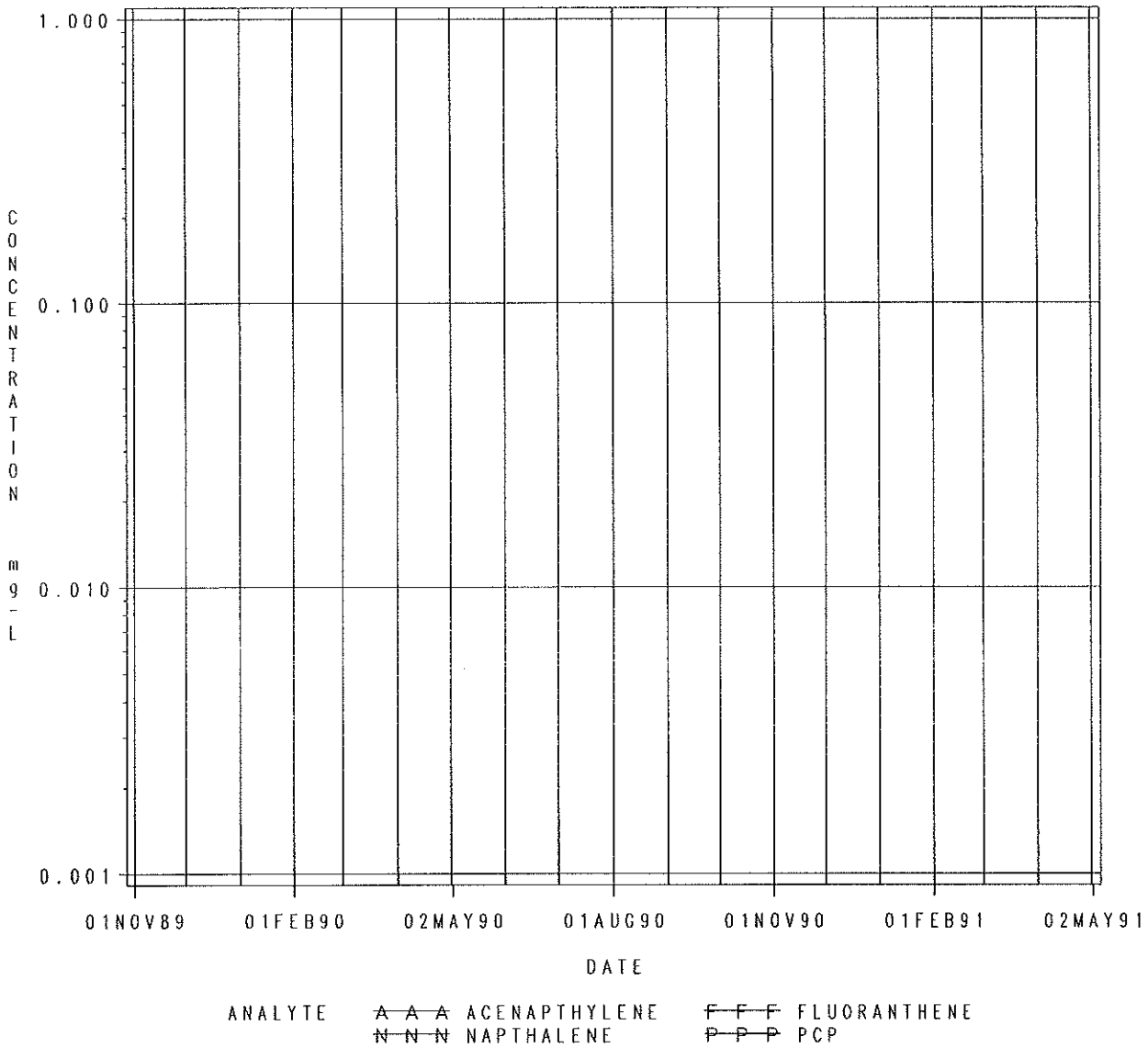
DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-2E

THOMASON LUMBER AND TIMBER COMPANY



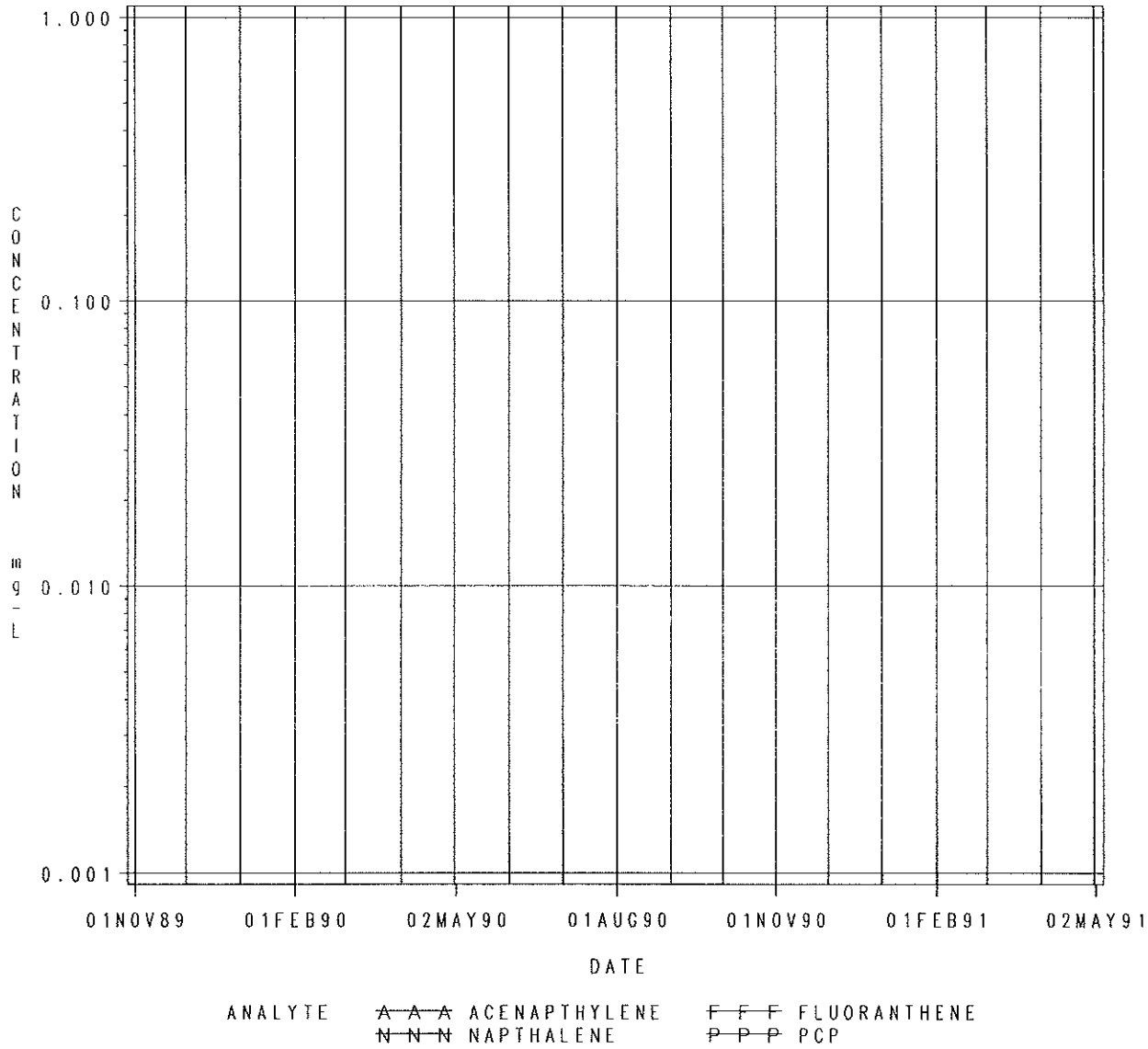
DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-4A

THOMASON LUMBER AND TIMBER COMPANY



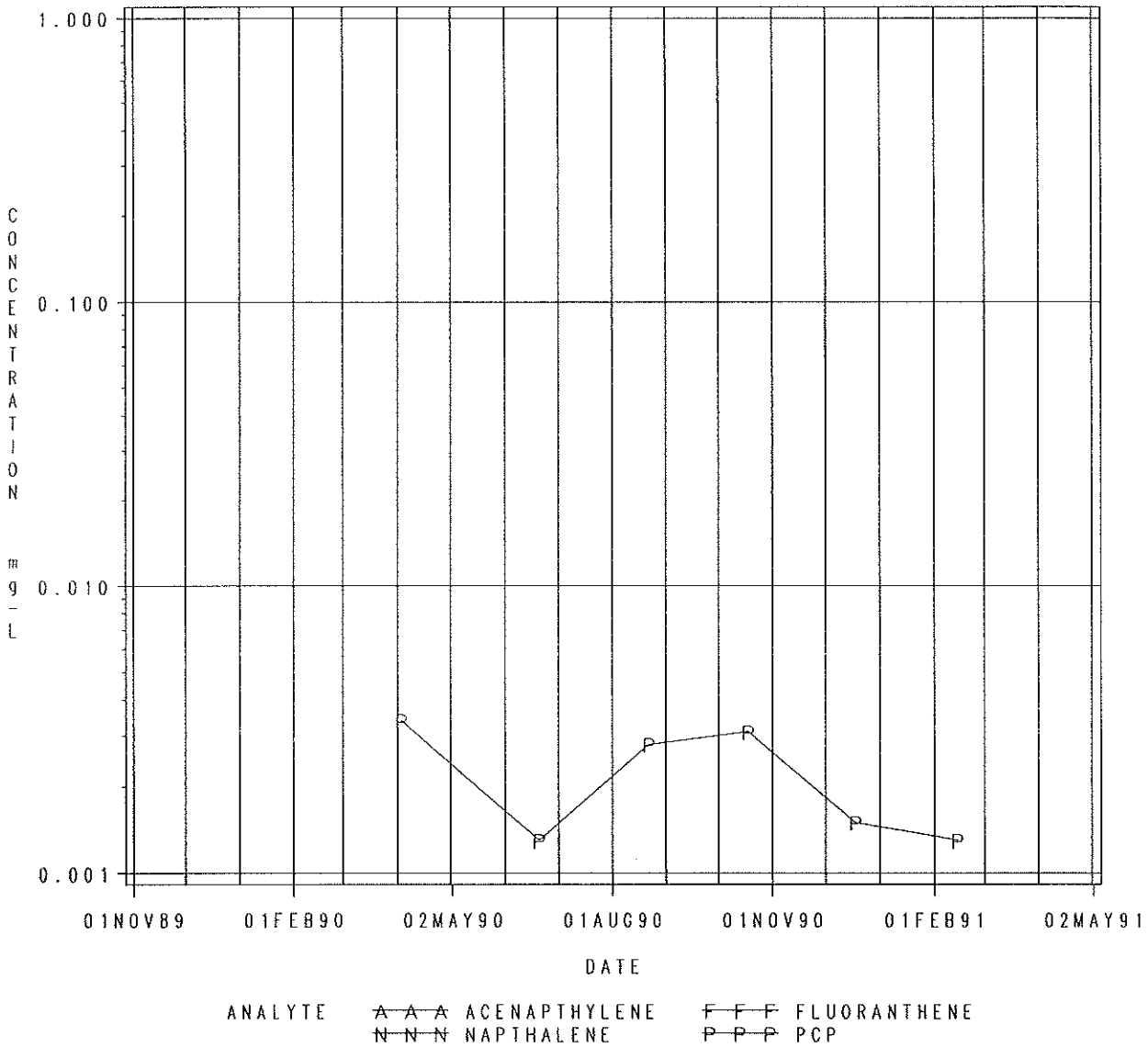
DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-4D

THOMASON LUMBER AND TIMBER COMPANY



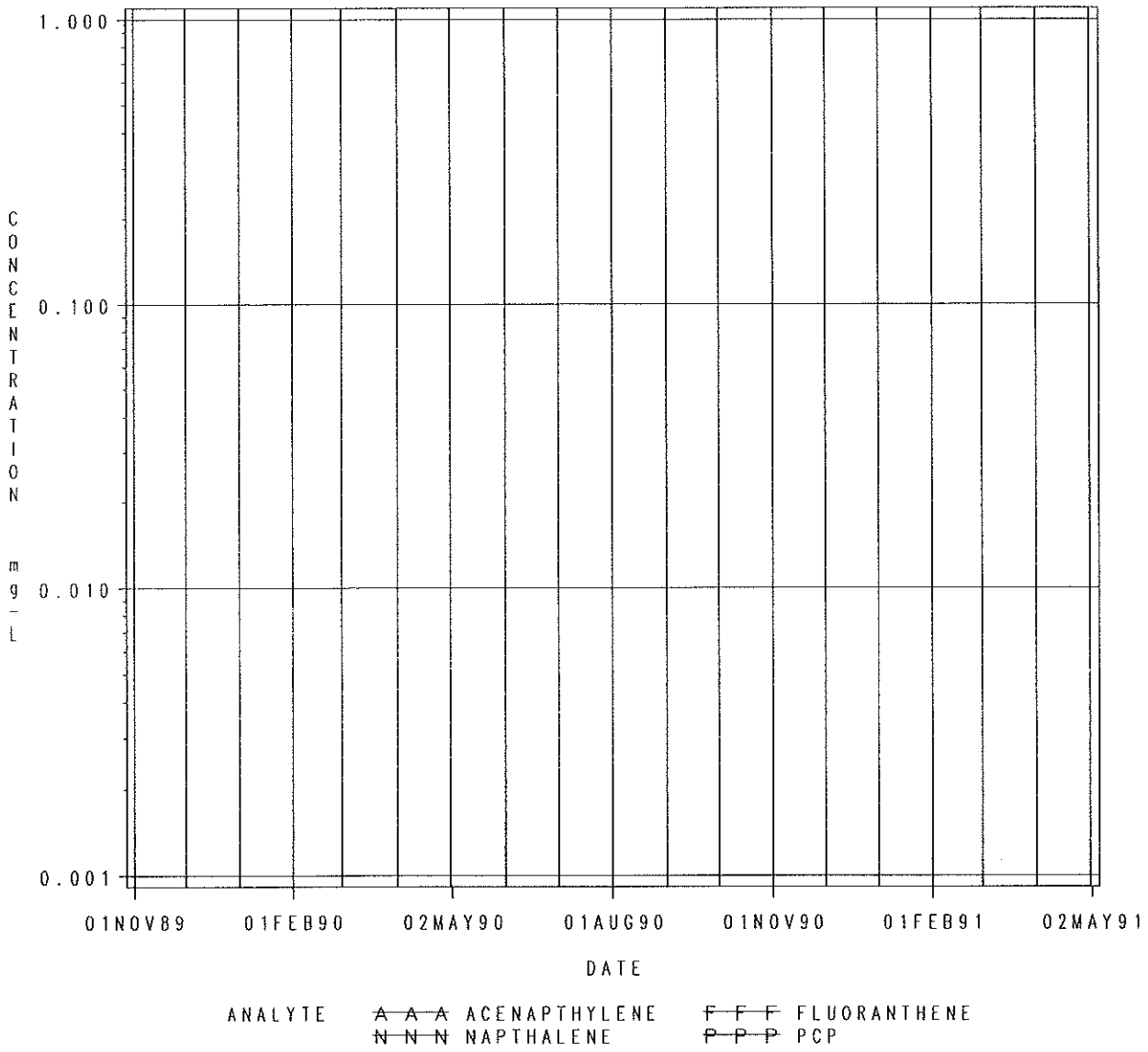
DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-4G

THOMASON LUMBER AND TIMBER COMPANY



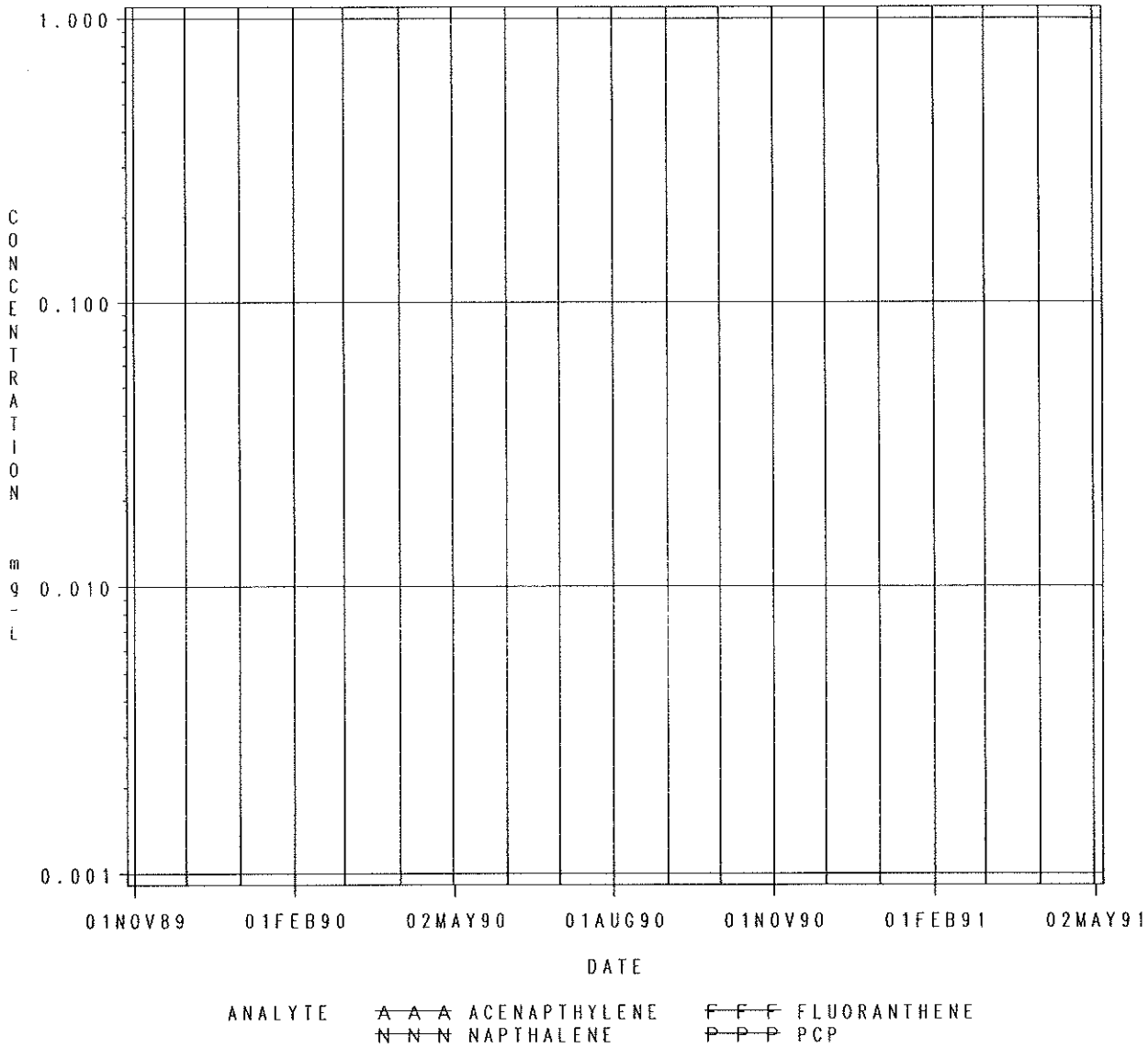
DETECTION LIMITS

P	= PCP	0.001	mg/l
A	= ACENAPTHYLENE	0.01	mg/l
F	= FLUORANTHENE	0.01	mg/l
N	= NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-5A

THOMASON LUMBER AND TIMBER COMPANY



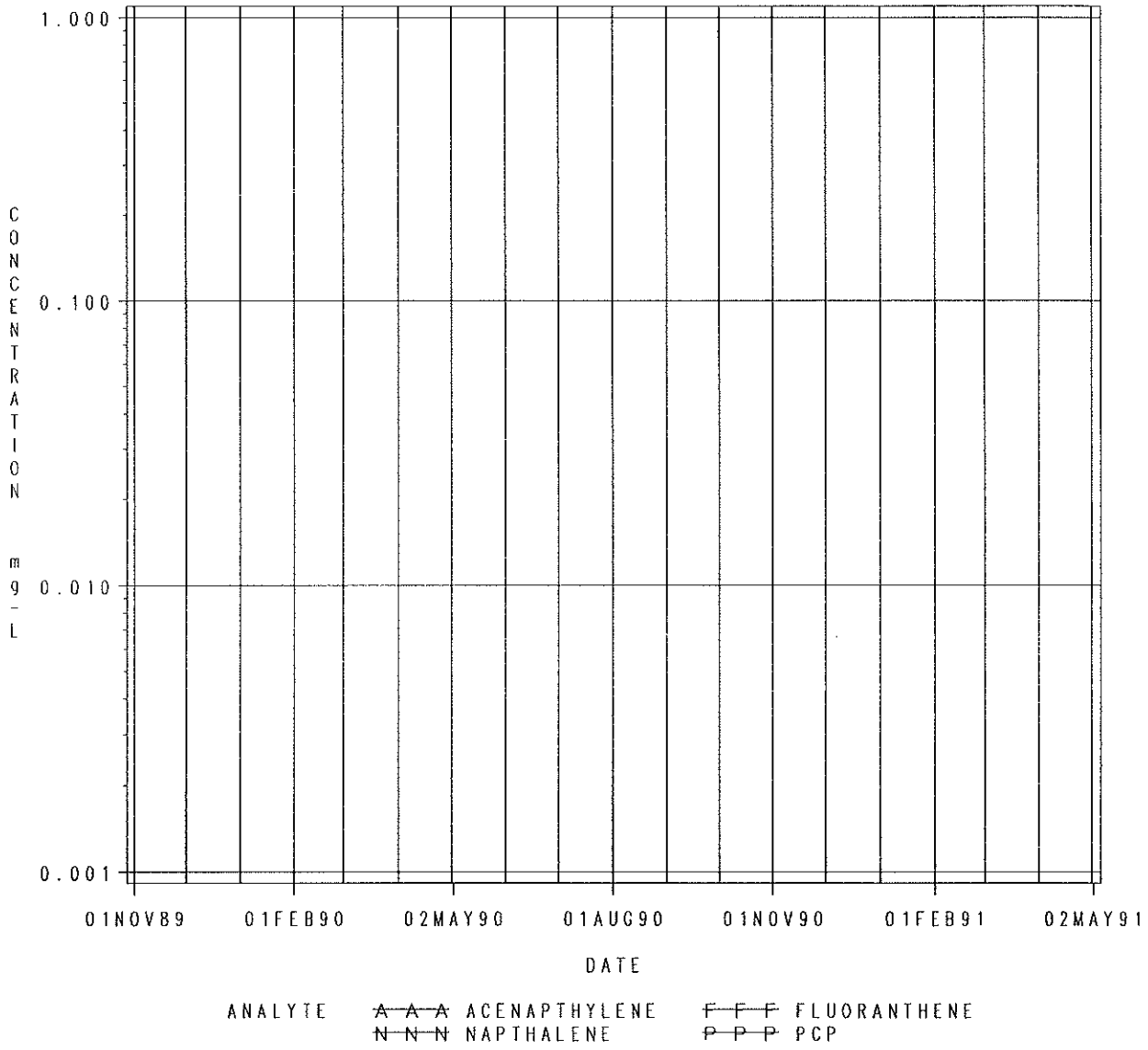
DETECTION LIMITS

P	= PCP	0.001	mg/l
A	= ACENAPTHYLENE	0.01	mg/l
F	= FLUORANTHENE	0.01	mg/l
N	= NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-5C

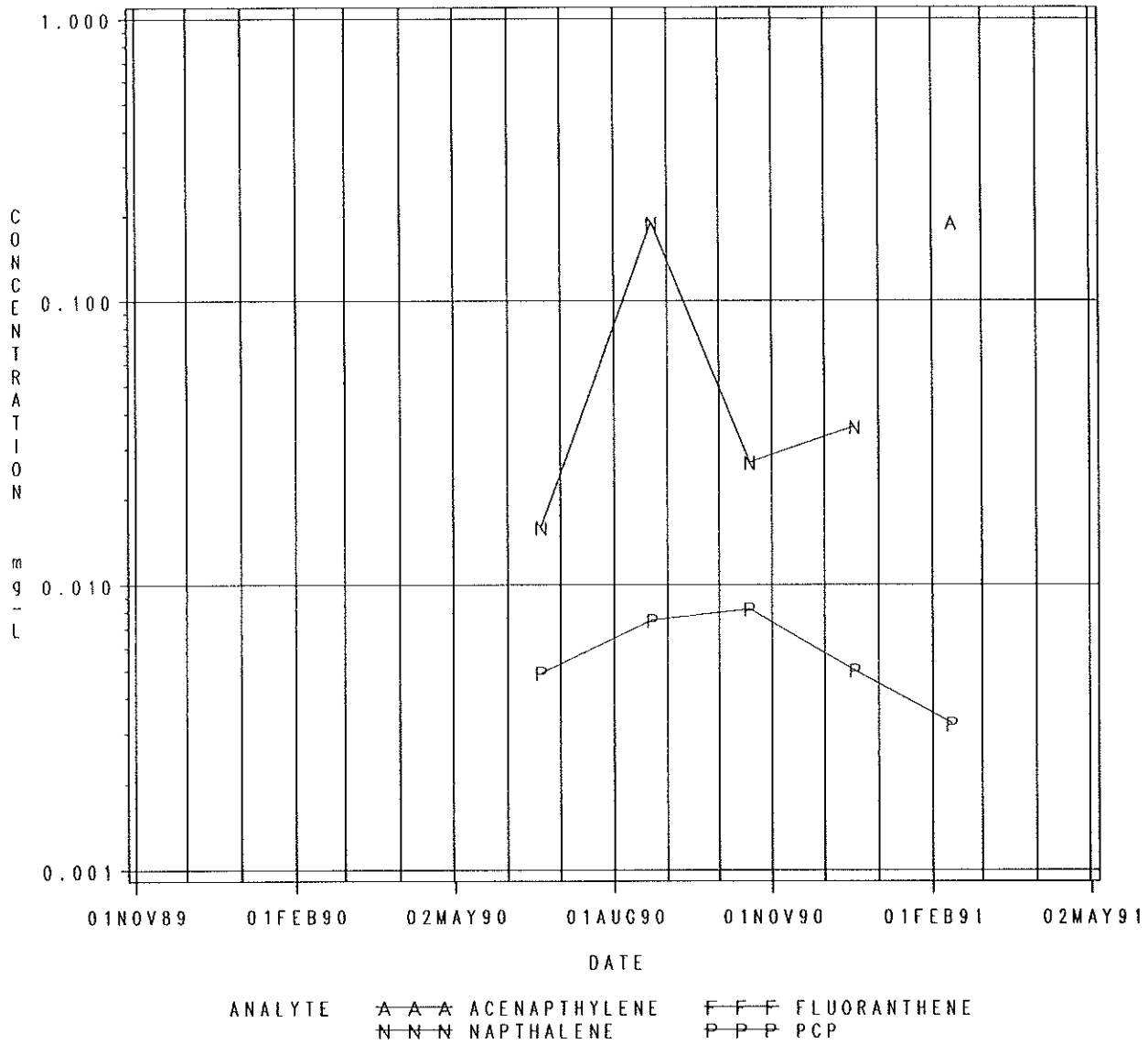
THOMASON LUMBER AND TIMBER COMPANY



DETECTION LIMITS

P	=	PCP	0.001	mg/l
A	=	ACENAPTHYLENE	0.01	mg/l
F	=	FLUORANTHENE	0.01	mg/l
N	=	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)
MONITORING WELL MW-5D
THOMASON LUMBER AND TIMBER COMPANY



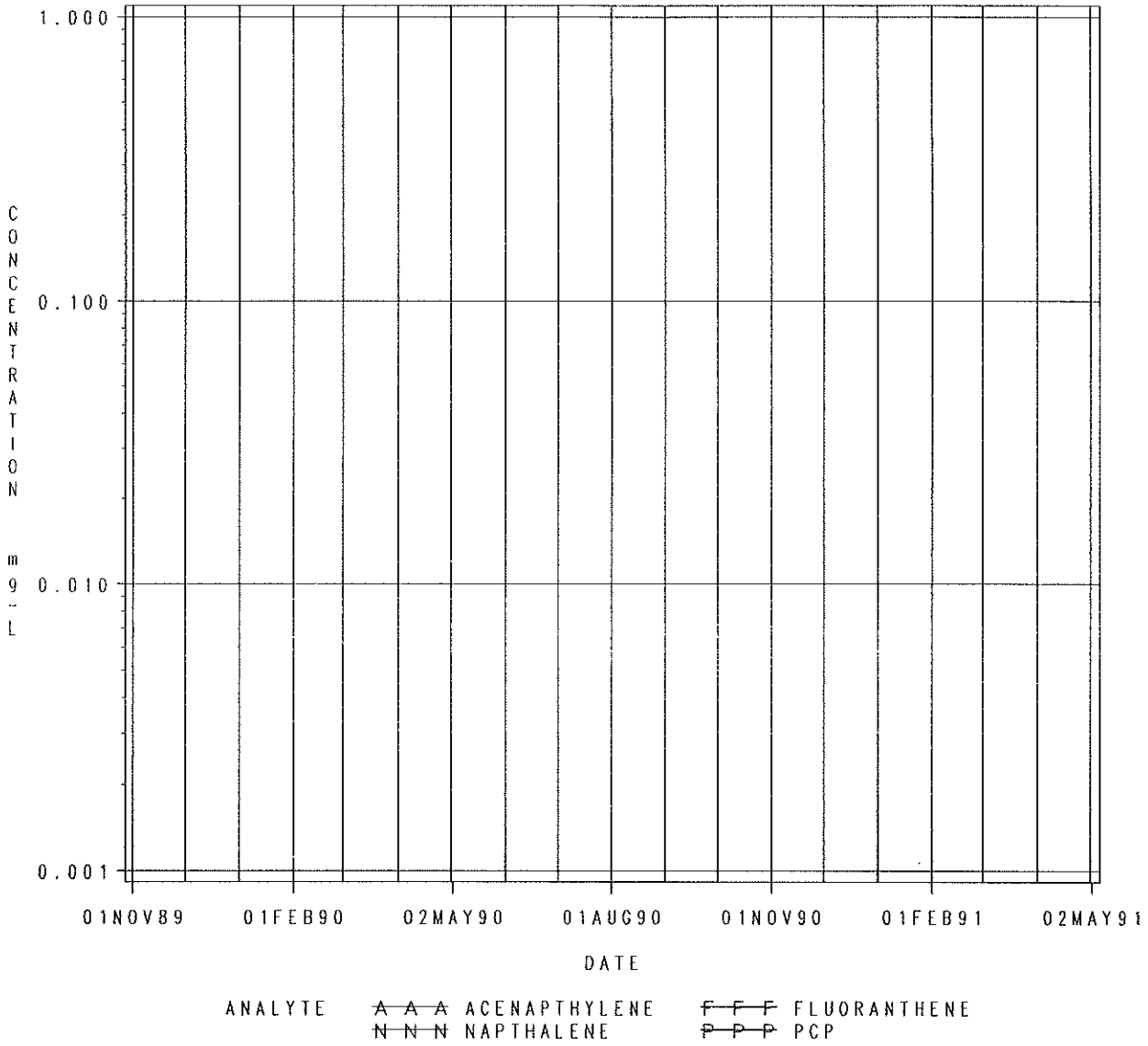
DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)

MONITORING WELL MW-6A

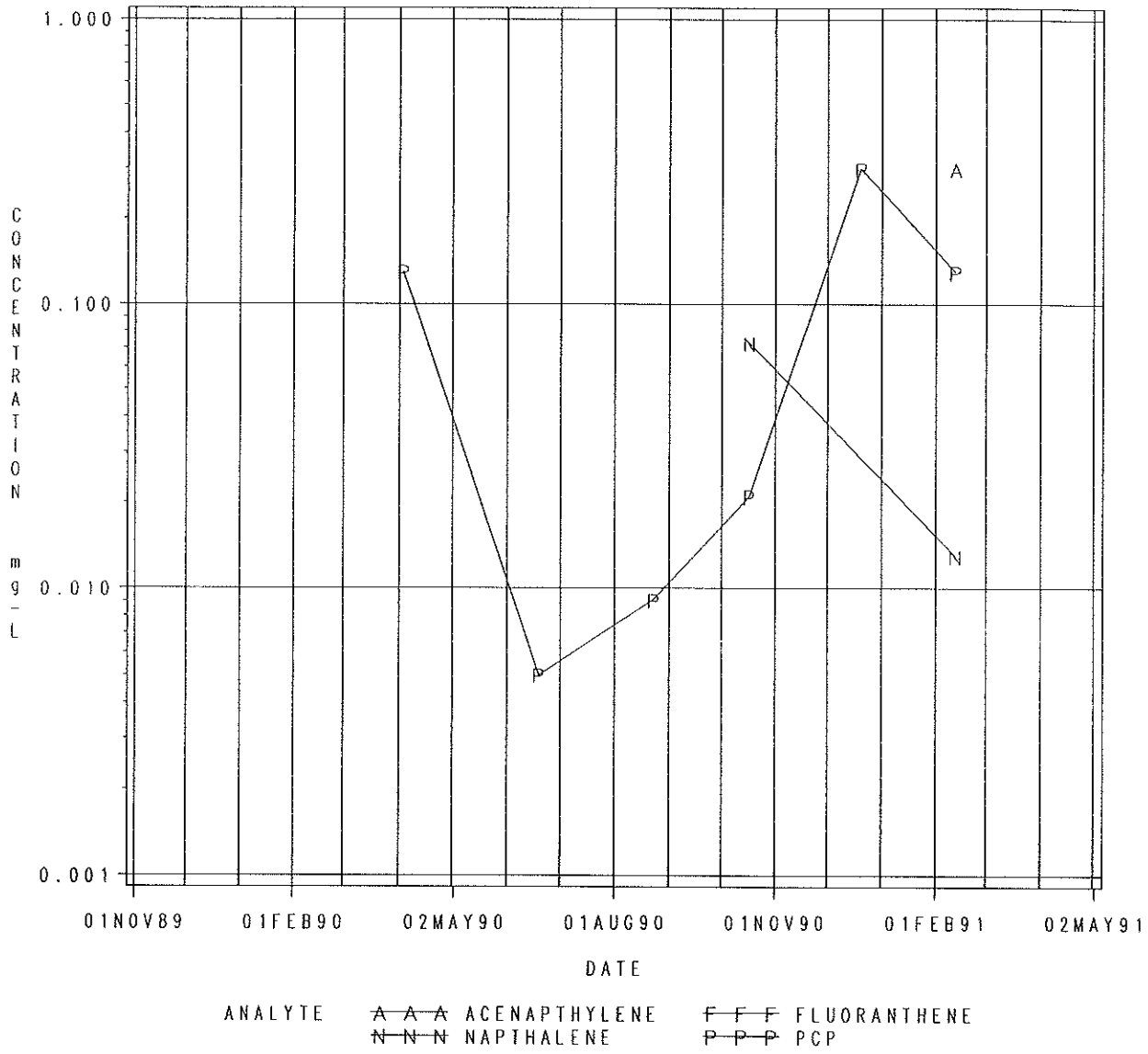
THOMASON LUMBER AND TIMBER COMPANY



DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l

DETECTED ANALYTE CONCENTRATION (mg/l)
MONITORING WELL MW-6C
THOMASON LUMBER AND TIMBER COMPANY



ANALYTE ~~A A A~~ ACENAPTHYLENE ~~F F F~~ FLUORANTHENE
~~N N N~~ NAPTHALENE ~~P P P~~ PCP

DETECTION LIMITS

P =	PCP	0.001	mg/l
A =	ACENAPTHYLENE	0.01	mg/l
F =	FLUORANTHENE	0.01	mg/l
N =	NAPTHALENE	0.01	mg/l