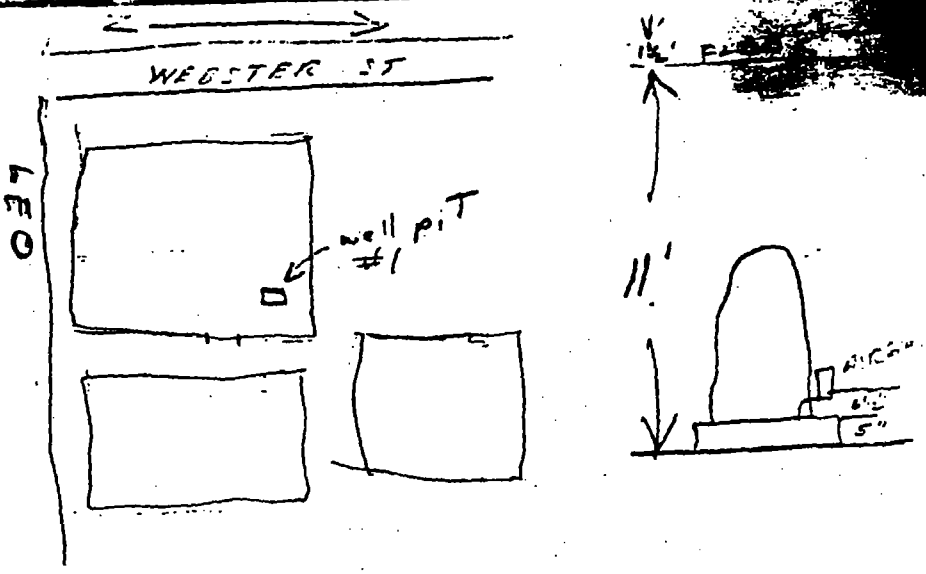

WEBSTER ST
well pit #1
11'
5"

9-185
(October 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

11-8
736

WELL SCHEDULE

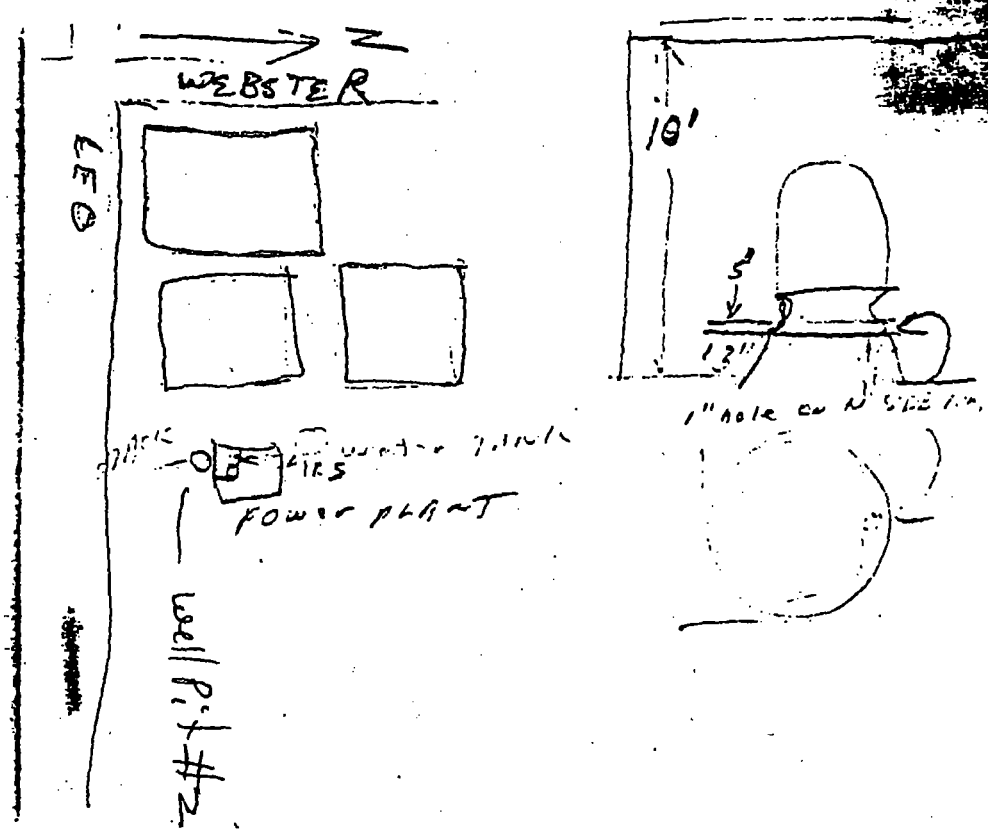
Date [illegible]-55, 19__ Field No. [illegible]

Record by [illegible] ~~Office No.~~ 11

Source of data [illegible]

1. *Location:* State OHIO County [illegible]
   Map [illegible]
   ____ ¼ ____ ¼ sec. ____ T ____ N/S R ____ E/W
2. *Owner:* AIRTEMP Address [illegible]
   Tenant ____ Address ____
   Driller [illegible] Address ____
3. *Topography* VALLEY FLAT
4. *Elevation* 752 ft. above/below ____
5. *Type:* Dug, drilled, driven, bored, jetted ____ 19__
6. *Depth:* Rept. ____ ft. Meas. [illegible] ft.
7. *Casing:* Diam. ____ in., to ____ in., Type ____
   Depth ____ ft., Finish [illegible]
8. *Chief Aquifer* [illegible] From ____ ft. to ____ ft.
   Others 10' approx static 1/8/58
9. *Water level* [illegible] ft. rept./meas. [illegible] 19__ above/below ____
   air lines which is 10 ft. above/below surface
10. *Pump:* Type [illegible] Capacity ____ G. M. ____
    Power: Kind [illegible] Horsepower [illegible]
11. *Yield:* Flow ____ G. M., Pump 200-[illegible] G. M., Meas., Rept. Est. ____
    Drawdown ____ ft. after ____ hours pumping ____ G. M.
12. *Use:* Dom., Stock, PS., RR., Ind., Irr., Obs. ____
    Adequacy, permanence ____
13. *Quality* [illegible] Temp ____ °F.
    Taste, odor, color ____ Sample Yes/No ____
    Unfit for ____
14. *Remarks:* (Log, Analyses, etc.) [illegible] TO MEASURE
    ALMOST [illegible] PUMP TO
    PRESSURE TANK

U. S. GOVERNMENT PRINTING OFFICE 16—63881-1


N
WEBSTER
LEO
10'
5'
12"
1" hole on N side
Water tank
Power plant
Well Pit #2

9-185
(October 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

Date 3-14-55, 19.... Field No. [illegible]

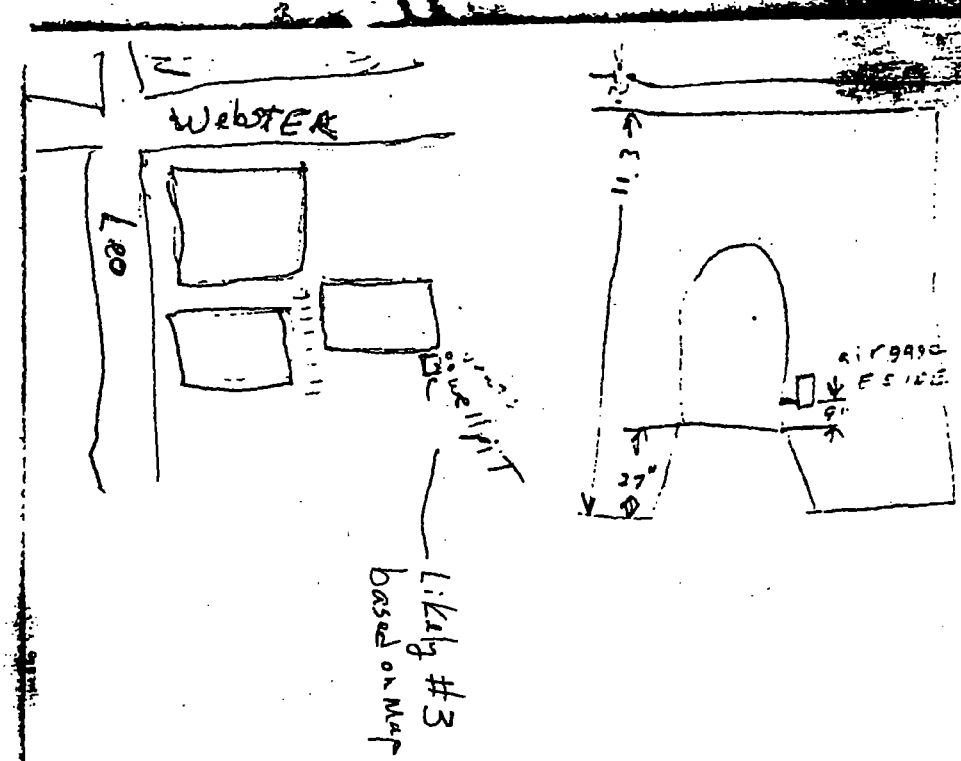
Record by [illegible] ~~Office No.~~ 12

Source of data [illegible]

Suspected to be Plant Well #3

1. *Location:* State [illegible] County [illegible]
   Map [illegible]
   ..... ¼ ..... ¼ sec. ..... T ..... N/S R ..... E/W
2. *Owner:* AIRTEMP Address [illegible]
   Tenant ..... Address .....
   Driller [illegible] Address [illegible]
3. *Topography* [illegible]
4. *Elevation* 750 ft. above/below .....
5. *Type:* Dug, drilled, driven, bored, jetted 1953
6. *Depth:* Rept. 137 ft. Meas. ..... ft.
7. *Casing:* Diam. 12 in., to ..... in., Type .....
   Depth ..... ft., Finish [illegible]
8. *Chief Aquifer* ..... From ..... ft. to ..... ft.
   Others .....
9. *Water level* 9 ft. rept./meas. 1/8 1953 above/below [illegible]
   [illegible] which is 7 ft. above/below surface
10. *Pump:* Type [illegible] Capacity ..... G. M.
    Power: Kind [illegible] Horsepower 75
11. *Yield:* Flow ..... G. M., Pump [illegible] G. M., Meas., Rept. Est. .....
    Drawdown ..... ft. after ..... hours pumping ..... G. M.
12. *Use:* Dom., Stock, PS., RR., Ind., Irr., Obs. .....
    Adequacy, permanence .....
13. *Quality* [illegible] Temp ..... °F.
    Taste, odor, color ..... Sample Yes/No .....
    Unfit for .....
14. *Remarks:* (Log, Analyses, etc.) [illegible]

U. S. GOVERNMENT PRINTING OFFICE 16—62861-1


Webster
Leo
Likely #3
based on Map
27"
9"

9-185
(October 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

WELL SCHEDULE

Date 6, 19 57 ~~Field No.~~
Record by LL ~~Office~~ No. 97894
Source of data See Mr. Tilson

1. *Location:* State County Mont
Map West River Twp - sec 5
¼ ¼ sec. T N S R E W
2. *Owner:* Chrysler Corporation Address 1600 Webster
Tenant Address
Driller Don Roe Address
3. *Topography*
4. *Elevation* 750 ± ft. above below
5. *Type:* Dug, ~~drilled~~, driven, bored, jetted 4 19 54
6. *Depth:* Rept. 136 ft. Meas. ft.
7. *Casing:* Diam. 18 in., to in., Type
Depth 116 ft., Finish
8. *Chief Aquifer* From ft. to ft.
~~Others~~ 70' screen
9. *Water level* 20 ft. rept. meas. 4 19 54 above below
which is ft. above below surface
10. *Pump:* Type — Capacity G. M.
Power: Kind Horsepower
11. *Yield:* Flow G. M., Pump 1000 G. M., Meas., Rept. Est.
Drawdown 18 ft. after 10 hours pumping G. M.
12. *Use:* Dom., Stock, PS., RR., Ind., Irr., Obs.
Adequacy, permanence
13. *Quality* Temp °F.
Taste, odor, color Sample Yes No
Unit for
14. Remarks: (Log, Analyses, etc.)

U. S. GOVERNMENT PRINTING OFFICE 16—62291-1

Log #12 = suspected Well #3 @ Plant

Drty gr	0 - 28
crse gr	37
" "	50
Drty gr	54
Yell till	55
blu till	60
gr	65
crse s	70
s & gr	82
red & blu till	84
Drty gr	85
blu till	100
s & gr	128
blu till	129
crse s	133
gr	136

X General correspondence 1963

MOODY'S of Dayton, Inc.

Since 1891

SUCCESSOR TO THE DON-ROE CO.

P. O. Box 155 • 150 N. Dixie Drive
Vandalia, Ohio • Phone 898-4514
Phone 898-4971

WELL #3
BLDG. #50

September 9, 1963

GROUND LEVEL ELEVATION - 751.25 @ MANHOLE COVER FOR WELL PIT

Chrysler Airtemp
P. O. Box 1037
Dayton 1, Ohio

RECEIVED SEP 10 1963 AIRTEMP DIVISION PLANT ENGINEER

Subject: Bldg. #50 Well Deming Pump

Attention: Mr. E. R. Wray - Plant Engineer

Gentlemen:

We are pleased to submit our report concerning the orifice test conducted on your well located in building 50.

Static level 9' - measured from top pump foundation.

Capacity	Pumping Level	Drawdown	Specific Yield
321 GPM	23'	14'	23 GPM/ft. D. D.
454 GPM	27'	18'	25.2 GPM/ft. D. D.
557 GPM	31'	22'	25.3 GPM/ft. D. D.
643 GPM	34'	25'	25.7 GPM/ft. D. D.
718 GPM	36'	27'	26.6 GPM/ft. D. D.
787 GPM	38'	29'	27.1 GPM/ft. D. D.
844 GPM	40'	31'	27.1 GPM/ft. D. D.
903 GPM	41'	32'	28.2 GPM/ft. D. D.
958 GPM	42'	33'	29 GPM/ft. D. D.
1062 GPM	43'	34'	31.2 GPM/ft. D. D.

Recovery [illegible]

Recov[illegible] in 1 - minute

Reco[illegible] in 2 - minutes

The pump is [illegible] smoothly and the well is producing at a reasonable specific yield. We do not recommend revitalizing or treating this well at this time. When the specific yield drops down to about 20 GPM/ft. D. D. this well should be chemically treated. If we can be of further assistance concerning this matter, please advise. We appreciate your business very much, and hope that we have performed to your complete satisfaction.

Very truly yours,

MOODY'S OF DAYTON, INC.

Edw. B. Wagner

Edward B. Wagner
General Manager

GROUND WATER SPECIALISTS

PLEASE TYPE OR PRINT

OHIO 7002 01

TYPE OR USE PEN
SELF TRANSCRIBING
PRESS HARD

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 1939 Fountain Square Drive
Columbus, Ohio 43224 Phone (614) 265-6739

Permit Number 81955U Well #4

COUNTY Montgomery TOWNSHIP N/A SECTION/LOT No. (Circle One)

OWNER/BUILDER (Circle One) Chrysler Corp. (First, Last) PROPERTY ADDRESS (Address of well location) 1600 Webster St. (Number, Street) Dayton, OH (City)

LOCATION OF PROPERTY Dayton, Ohio (Township)

CONSTRUCTION DETAILS

CASING (Attach additional sheet if needed) Borehole Diameter 20 in.

(1) Diameter 20 in. Length 120 ft. Wall Thickness .375 in.

(2) Diameter ___ in. Length ___ ft. Wall Thickness ___ in.

Type: (X) Steel (1) Galv. (1) PVC (1) (2) (2) (2) Other ___

Joints: (1) Threaded (X) Welded (1) Solvent (1) (2) (2) Other ___

Liner: Length N/A Type ___ Wall Thickness ___ in.

GROUT Material N/A Volume used ___ Method of Installation ___ Depth: placed from ___ ft. to ___ ft.

GRAVEL PACK (Filter Pack) Material N/A Volume used ___ Method of Installation ___ Depth: placed from ___ ft. to ___ ft.

SCREEN Type (wire wrapped, louvered, etc.) WW Material ss 304

Length 30 ft. Diameter 20" tele. in. Set between 120 ft. and 150 ft. Slot .030-.100

Phless Device (X) Adapter ( ) Preassembled unit

Use of Well Cooling ( ) Rotary (X) Cable ( ) Augered ( ) Driven ( ) Dug ( ) Other ___

Date of Completion 1994

WELL LOG*

INDICATE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.

Show color, texture, hardness, and formation: sandstone, shale, limestone, gravel, clay, sand, etc.

	From	To
Backfill	0	3
Sand and gravel	3	30
Clay	30	32
Sand & gravel, few boulders	32	80
Gray clay w/ S&G strips	80	93
Gray clay, hard drilling	93	105
Sand and gravel	105	118
Sand & gravel, few boulders	118	151

*(Additional space is needed to complete well log, use next consecutively numbered form.)

WELL TEST

( ) Bailing (X) Pumping* ( ) Other ___

Test rate 614 gpm Duration of test 8 hrs.

Drawdown 10 ft.

Measured from: (X) top of casing ( ) ground level ( ) Other ___

Static Level (depth to water) 26'8" ft. Date: July 1994

Quality (clear, cloudy, taste, odor) Clear

*(Attach a copy of the pumping test record, per section 1521.05, ORC)

PUMP

Type of pump BJ 11NQH-5 Capacity 1000 gpm

Pump set at 100 ft.

Pump installed by Moody's of Dayton, Inc.

WELL LOCATION

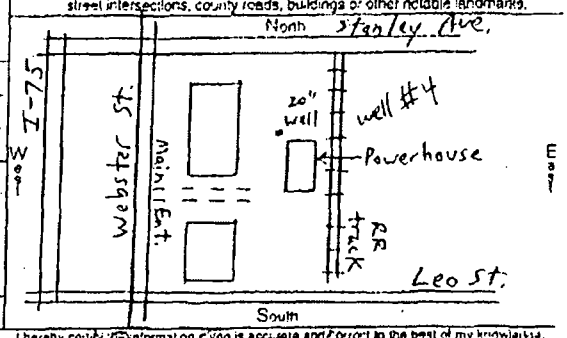
Location of well in State Plane coordinates, if available:

Zone ___ x ___ y ___

Elevation of well ___ ft./m. Datum plain: ( ) NAD27 ( ) NAD83

Source of coordinates: ( ) GPS ( ) Survey ( ) Other ___

Sketch a map showing distance well lies from numbered state highways, street intersections, county roads, buildings or other notable landmarks.



I hereby certify the information given is accurate and correct to the best of my knowledge.

Drilling Firm Moody's of Dayton, Inc. Signed Douglas F. Wagner

Address 4359 Infirmary Road Date March 16, 1998

City, State, Zip Miamisburg, OH 45343 ODH Registration Number 636

Completion of this form is required by section 1521.05, Ohio Revised Code - file within 30 days after completion of drilling.

ORIGINAL COPY TO - ODNR, DIVISION OF WATER, 1939 FOUNTAIN SQ. DRIVE, COLS., OHIO 43224

Blue - Customer's copy Pink - Driller's copy Green - Local Health Dept. copy

Water Well Log and Drilling Report
Ohio Department of Natural Resources
Division of Water
Phone: 614-265-6740
email: cleve.brown@dnr.state.oh.us
Water Home: http://www.dnr.state.oh.us/water

WELL LOG AND DRILLING REPORT

Well Log Number: 97877

[redacted]

ORIGINAL OWNER AND LOCATION

Original Owner Name: *DURDETT OXYGEN* **Lot Number:**
County: *MONTGOMERY* **Township:** *DAYTON* **Section Number:** *5*
Address: *1223 MCCOOK AVENUE*
City: **State:** *OH* **Zip Code:**
Location Number: *26* **Location Map Year:** *1983* **Location Area:**
Latitude: **Longitude:**

CONSTRUCTION DETAILS

Borehole Diameter: **Total Depth:** *142 ft.* **Depth to Bedrock:**
Borehole Diameter:
Casing Diameter: *10 in.* **Casing Thickness:** **Casing Length:** *142 ft.*
Casing Diameter: **Casing Thickness:** **Casing Length:** *142 ft.*
Well Use: **Screen Length:** **Date of Completion:** *4/16/51*
Aquifer Type: *GRAVEL* **Driller's Name:** *ROE DONALD J*

WELL TEST DETAILS

Static Water Level: *35 ft.* **Test Rate:** *200 gpm*
Drawdown: *10 ft.* **Test Duration:** *8 hrs.*

Associated Reports
NONE

COMMENTS:

WELL LOG

Formations	From	To
DRY GRAVEL	0	20
COARSE GRAVEL	20	32
BLU TILL	32	40
COARSE GRAVEL	40	50
BLU TILL	50	53
BLU TILL	53	79
STONE	79	79
COARSE GRAVEL	79	86
BLU TILL	86	110
STONE	110	110
GRAVEL	110	142
WATER AT	142	142

EPA Region 5 Records Ctr.
349890

THE OHIO DRILLING CO.
INCORPORATED
MASSILLON, OHIO

MW1

DRILLED FOR Gem City Chemicals, Inc. - Dayton, Ohio HOLE NO. 1- 3"
Test Hole

DRILLED BY Glyn Davis DRILLER COMPLETED November 6, 19 87

LOCATION Near southwest corner of plant site

DEPTH OF STRATA	STRATA	TOTAL DEPTH	HEAVED	WATER FROM SURFACE
5 ft.	Dry Sand, Gravel & Clay	25 ft.		
11 ft.	Dry Sand, Gravel & Less Clay	36 ft.		
2 ft.	Sand, Fine Sand, Gravel & Clay	78 ft.		29' 5"
11 ft.	Sand, Clay & Stones	89 ft.		
	Pumped for water samples at following depths:			
	1) 35' - 37'			
	2) 40' - 43'			
	3) 48' - 51'			
	4) 55' - 58'			
	5) 61' - 64'			
	6) 68' - 71'			
	7) 71' - 73'			
	8) 78' - 83'			
	9) 87' - 89'			

THE OHIO DRILLING CO.

INCORPORATED

MASSILLON, OHIO

MW 2

DRILLED FOR Gem City Chemicals, Inc. - Dayton, Ohio HOLE NO. 2 - 5"
Test Hole

DRILLED BY Alan Graber DRILLER COMPLETED December 4, 19 87

LOCATION Northwest of drum flushing shed

...SS OF STRATA	STRATA	TOTAL DEPTH	HEAVED	WATER FROM SURFACE
... ft.	Brown Fine Sand, Small Gravel & Clay	35 ft.		30 ft.
... ft.	Brown Sand, Small Gravel & Clay	50 ft.		
5 ft.	Brown Sand & Clay	55 ft.		
ft.	Brown Sand, Gravel & Clay	75 ft.		
6 ft.	Grey Sandy Clay with Stones	81 ft.		
	Pumped for water samples at following depths:			
	1) 40 ft.			
	2) 50 ft.			
	3) 60 ft.			
	4) 70 ft.			

THE OHIO DRILLING CO.

INCORPORATED

MASSILLON, OHIO

MW-3

DRILLED FOR Gem City Chemicals, Inc. - Dayton, Ohio HOLE NO. 3- 5" Test Hole

DRILLED BY Alan Graber DRILLER COMPLETED December 10, 19 87

LOCATION Northeast corner of lot south of warehouse

THICKNESS OF STRATA	STRATA	TOTAL DEPTH	HEAVED	WATER FROM SURFACE
25 ft.	Brown Sand, Small Gravel & Clay	25 ft.		
5 ft.	Brown Sand, Clay & Stones	30 ft.		30 ft.
5 ft.	Brown Sand & Clay Hardpan	35 ft.		
5 ft.	Brown Sand, Clay & Stones	40 ft.		
38 ft.	Brown Sand, Small Gravel & Clay	78 ft.		
5 ft.	Grey Sand, Small Gravel & Clay	83 ft.		
2 ft.	Grey Sand & Clay Hardpay	85 ft.		
	Pumped for water samples at following depths:			
	1) 41 ft.			
	2) 50 ft.			
	3) 59 ft.			
	4) 69 ft.			
	5) 78 ft.			

THE OHIO DRILLING CO.

INCORPORATED

MASSILLON, OHIO

MW4

FOR Con City Chemicals, Inc. - Dayton, Ohio HOLE NO. 4 - 5" Test Hole

BY Alan Graber DRILLER COMPLETED January 6, 19 88

LOCATION In aisle between drum storage areas

NO. OF STRATA	STRATA	TOTAL DEPTH	HEAVED	WATER FROM SURFACE
8 ft.	Sand, Clay & Gravel	8 ft.		
32 ft.	Sand, Clay & Small Stones	40 ft.		32 ft.
5 ft.	Sand, Gravel & Clay	45 ft.		
	Pumped for water sample at depth of 40 ft.			

LOG OF BORING

MW-5d

PROJECT NUMBER:	PROJECT NAME: Gem City Chemicals
BORING NUMBER: MW5-D	ELEVATION:
COORDINATES:	DATE STARTED: 9/6/88
DRILLING METHODS: H.S.A. with S.S.S.	DATE COMPLETED: 9/7/88
ENGINEER/GEOLOGIST: G. Clyburn	PAGE: 1 OF 2
DRILLER: Moody's of Dayton Inc.	GWL: 32' AT HRS.

DEPTH	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER	RECOVERY	DESCRIPTION	USCS SYMBOL	PROFILE	CASING BLOWS PER	ROCK RECOVERY % / RQD%	REMARKS
				black clay top soil		NA	NA	NA	
				course sand and gravel					
5	5	10-8-7							
				fine to medium tan sand with medium gravel, dry					
10	10	14-16-22							
15	15	34-38-23							
				grey clay/silt, dry					
20	20	30-31-37		fine to very course tan sand with gravel, dry					
25	25	54-60-68							
				medium to course sand with large gravel moist at 30'					
30	30	24-28-38		wet at 32"					
35									
40									
				fine sand and gravel, wet					
45									

NOTES: Split spoon samples were taken at 18" intervals

QSOURCE ENGINEERING, INC.

LOG OF BORING, cont.

PROJECT NUMBER:	PROJECT NAME: Gem City Chemicals	
BORING NUMBER: MW 5- D	ELEVATION:	DATE STARTED: 9/6/88
COORDINATES:		DATE COMPLETED: 9/7/88
DRILLING METHODS: H.S.A. with S.S.S		PAGE: 2 OF 2
ENGINEER/GEOLOGIST: G. Clyburn		GWL: AT HRS.
DRILLER: Moody's of Dayton, INc.		

DEPTH	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER	RECOVERY	DESCRIPTION	USCS SYMBOL	PROFILE	CASING BLOWS PER	ROCK RECOVERY % / RQD%	REMARKS
				course grey sand and gravel	N	NA	NA	NA	
55									
60									
65									
70									
75									
		100-108							
80	80	156							
				dense, grey clay "hardpan"					
85									
90									
95									

NOTES:

Bottom of boring at 85'

QSOURCE ENGINEERING, INC.

LOG OF BORING

MW-5m

PROJECT NUMBER:	PROJECT NAME: Gem City Chemicals	
BORING NUMBER: MW5-M	ELEVATION:	DATE STARTED: 8/18/88
COORDINATES:		DATE COMPLETED: 8/26/88
DRILLING METHODS: H.S.A. with S.S.S.		PAGE: 1 OF 2
ENGINEER/GEOLOGIST: G. Clyburn		GWL: AT HRS.
DRILLER: G. J. Thelen		

DEPTH	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER	RECOVERY	DESCRIPTION	USCS SYMBOL	PROFILE	CASING BLOWS PER	ROCK RECOVERY % / RQD%	REMARKS
				black clay top soil		NA	NA	NA	
5	5	14-9-12		course sand and gravel					
10	10	21-15-9		fine to medium tan sand with medium gravel, dry					
15	15	6-23-16							
				greysilty clay,dry					
20	20	34-37-30		fine to very course tan sand with gravel,dry					
25	25	36-48-37							
30	30	29-36-21		medium to course sand with large gravel moist at 30' 6"					
				wet at 32' 8"					
35	35	24-24-27							
40	40	34-12-21							
45	45	21-23-30		fine sand and gravel, wet					
	50	20-28-34							

NOTES:

QSOURCE ENGINEERING, INC.

LOG OF BORING, cont.

PROJECT NUMBER:	PROJECT NAME: Gem City Chemicals	
BORING NUMBER: MW5-M	ELEVATION:	DATE STARTED: 8/18/88
COORDINATES:		DATE COMPLETED: 8/26/88
DRILLING METHODS: H.S.A. with S.S.S		PAGE: 2 OF 2
ENGINEER/GEOLOGIST: G. Clyburn		GWL: 32'8" AT HRS.
DRILLER: G.J. Thelen		

DEPTH	SAMPLE TYPE & NO.	BLOWS ON SAMPLER PER	RECOVERY	DESCRIPTION	USCS SYMBOL	PROFILE	CASING BLOWS PER	ROCK RECOVERY % / RQD%	REMARKS
				course grey sand and gravel					
55	55	21-34-28							
60	60	20-30-31							
65									

NOTES:
Bottom of Boring at 60'

QSOURCE ENGINEERING, INC.

QSOURCE ENVIRONMENTAL SERVICES, INC.

SUBSURFACE EXPLORATION LOG

PROJECT Gem City Chemicals PROJECT # 193004

PIT OR BORING # P-6

PAGE 3 OF 3

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV. RATE	ELEV	MATERIAL / DRILLING AND OTHER NOTES
30							
					8		SAND, coarse, little very coarse sand and
	16	SS	30'-32'	1.4'	10		granules, little fine to medium sand,
					18		trace silt, 2.5 Y 6/3, PID = 0.30
32					24		-- fining downward to --
					8		SAND, medium, little coarse to very coarse
	17	SS	32'-34'	0.9'	16		sand, trace silt, PID = 0.56
					30		
34					43		small pebbles in tip
					25		SAND, coarse to very coarse, few granules,
	18	SS	34'-36'	1.7'	25		few fine to medium sand, trace pebbles,
					22		trace silt, 2.5 Y 6/3
36					22		
					30		SAND, very coarse, little pebbles in discrete
	19	SS	36'-38'	1.5'	30		3" layers, little granules, few fine sand,
					32		few silt, in in 1' thick, fining upward
38					25		beds
					22		SAND, very coarse, some pebbles and broken
	20	SS	38'-40'	1.3'	18		fragments (to 2"), little granules, little
					19		fine to medium sand, few silt
40					18		
					16		SAND, very coarse, some pebbles and fragments
	21	SS	40'-42'	1.2'	16		little granules, few silt, trace fine sand,
					28		PID = 0.30
42					26		
					14		PEBBLES, some very coarse sand, little granules
	22	SS	42'-44'	1.2'	12		few silt, trace fine sand, PID = 0.30
					23		
44					21		
					18		SAND, very coarse, some pebbles and fragments
	23	SS	44'-46'	1.3'	18		(to 1 1/2"), little granules, few silt,
					18		trace fine sand, PID = 0.25
46					20		
					20		SAME AS ABOVE, PID = 0.11
	24	SS	46'-48'	1.5'	24		
					28		
48					22		
					24		SAME AS ABOVE, PID = 0.33
	25	SS	48'-50'	1.3'	24		
					16		
50					20		
							END OF BORING AT 50'

NOTES:

2490 Technical Drive · Miamisburg, Ohio 45343 · (513) 866-1711 · (800) 356-9039 · FAX (513) 866-7473

County Permit No. _____

NO CARBON PAPER NECESSARY– SELF-TRANSCRIBING

WELL LOG AND DRILLING REPORT

State of Ohio
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Fountain Square
Columbus, Ohio 43224

ORIGINAL

557913

RW-1

COUNTY Montgomery TOWNSHIP _____ SECTION OF TOWNSHIP _____

OWNER Gem City Chemical ADDRESS 1287 Air City Drive, Dayton, Ohio

LOCATION OF PROPERTY Same

CONSTRUCTION DETAILS

Casing diameter 8" Length of casing 30'

Type of screen Galvanized Length of screen 20'

Type of pump Goulds 300L30

Capacity of pump 300 GPM

Depth of pump setting 50'

Date of completion 3/89

BAILING OR PUMPING TEST
(specify one by circling)

Test rate N/A gpm Duration of test _____

Drawdown _____ ft Date _____

Static level (depth to water) 30'

Quality (clear, cloudy, taste, odor) _____

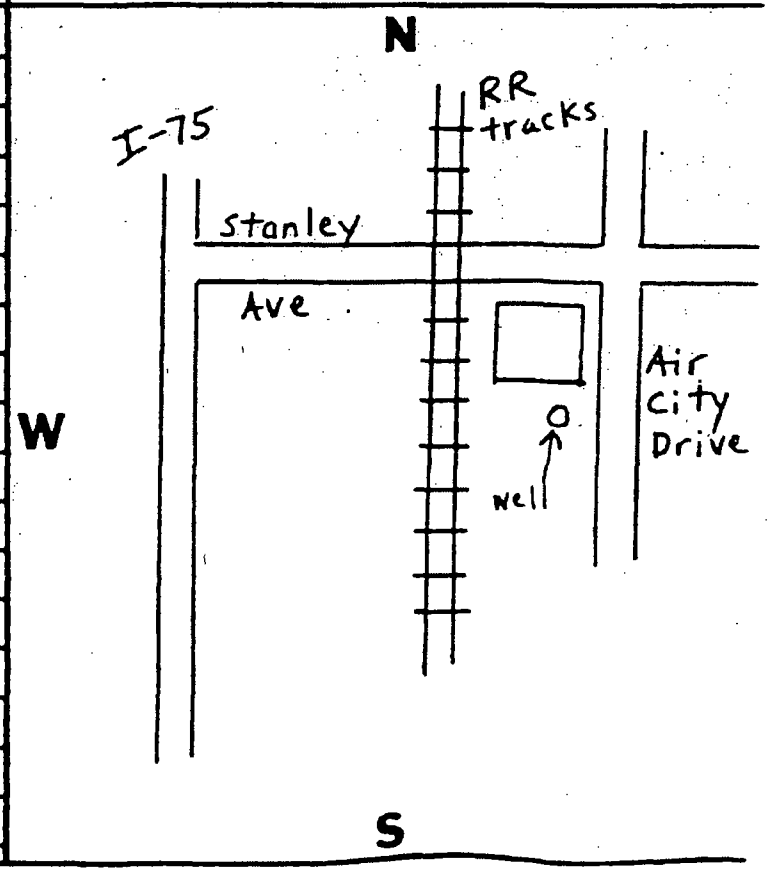
Pump installed by Moody's of Dayton, Inc.

WELL LOG*

Formations: sandstone, shale, limestone, gravel, clay	From	To
Concrete	0 ft	1 ft
Clay and gravel	1	8
Sand and gravel	8	19
Clay streak	19	21
Sand and gravel	21	60
Coarse sand, few gravel	60	65
Set 8" telescoping screen		
(30 slot) from 30'-50'.		
7" sump set from 50'-57'.		
Air developed 9 hours.		

SKETCH SHOWING LOCATION

Locate in reference to numbered state highways, street intersections, county roads, etc.



DRILLING FIRM Moody's of Dayton, Inc. DATE 9/21/89

ADDRESS P.O. Box 509, Miamisburg, OH 45343 SIGNED Doug Wagner

*If additional space is needed to complete well log, use next consecutive numbered form.

QSOURCE ENVIRONMENTAL SERVICES, INC.

SUBSURFACE EXPLORATION LOG

PIT OR BORING # SB-1
PAGE 1 OF 1

PROJECT Gem City Chemicals, Inc. PROJECT # 193004

GENERAL SITE LOCATION 1287 Air City Avenue

STATE Ohio COUNTY Montgomery CITY/TWP Dayton SEC

LOCATION ON THE SITE SW corner of site, 90' E of west fence, 38' N of SW corner of fence

METHOD(S) 4 1/4" HSA RIG CME-75 HOLE DIA. 9 " SAMPLER & SIZE 2"x24" Split Spoon

DRILLING CO. Moody's of Dayton DRILLERS P. Ridder, J. D. Hobbs LOGGED BY J. Michael Clinch

DATE STARTED 1/12/93 DATE FINISHED 1/12/93

_ BORING COMPLETED AS A _____ OR X BACKFILLED DATE 1/12/93 MATERIAL cement, 5% bentonite

DEPTH TO WATER: Encountered at N. E. ', At completion N. A. ', After N. A. Hrs. water was at N. A.'

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	ELEV.	MATERIAL / DRILLING AND OTHER NOTES
							surface: Grass and weeds, gravel and coal visible
0							
1	1	SS	0'-2'	1.5'	4 5 7 6		SILT, some medium to fine sand, little gravel, coal fragments, 2.5 Y 3/2, moist PID = 0
2							
3	2	SS	2'-4'	0.8'	4 6 8 10		SILT, little fine to medium sand, trace clay (stone in tip) 7.5 YR 4/6, moist PID = 0.7 -SAMPLED FOR VOCs (rig chatter, 3' to 4')
4							
5	3	SS	4'-6'	1.4'	9 17 13 20		SAND, medium to coarse, some gravel to 1/2", little fine sand, little silt 5 Y 5/4, moist, PID = 0
6							
7	4	SS	6'-8'	1.7'	35 32 41 35		SAND, coarse, some pebbles and broken fragments trace silt, trace fine to medium sand 2.5 Y 5/4 (silt color) dry to moist, PID = 0
8							
9	5	SS	8'-10'	1.5'	25 19 13 16		SAND, coarse to medium, some pebbles to 1", trace silt, trace fine to medium sand 2.5 Y 5/4 (silt color) dry, PID = 0
10							END OF BORING AT 10'

2490 Technical Drive · Miamisburg, Ohio 45343 · (513) 866-1711 · (800) 356-9039 · FAX (513) 866-7473

QSOURCE ENVIRONMENTAL SERVICES, INC.

SUBSURFACE EXPLORATION LOG

PIT OR BORING # SB-2
PAGE 1 OF 1

PROJECT Gem City Chemicals, Inc. PROJECT # 193004

GENERAL SITE LOCATION 1287 Air City Avenue

STATE Ohio COUNTY Montgomery CITY/TWP Dayton SEC

LOCATION ON THE SITE NW corner of site, 70' E of west fence, 90' south of north fence

METHOD(S) 4 1/4" HSA RIG CME-75 HOLE DIA. 9" SAMPLER & SIZE 2"x24" Split Spoon

DRILLING CO. Moody's of Dayton DRILLERS P. Ridder, J. D. Hobbs LOGGED BY J. Michael Clinch

DATE STARTED 1/12/93 DATE FINISHED 1/12/93

_ BORING COMPLETED AS A _____ OR X BACKFILLED DATE 1/12/93 MATERIAL cement, 5% bentonite

DEPTH TO WATER: Encountered at N. E. ', At completion N. A. ', After N. A. Hrs. water was at N. A.'

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	ELEV.	MATERIAL / DRILLING AND OTHER NOTES
							surface: Grass and weeds, coal fragments, gravel
0							
1	1	SS	0' - 2'	1.35	4 6 7 8		SILT and SAND, fine, trace clay, coal fragments 10 YR 4/4, moist, PID = 3.5 SAMPLED FOR VOCs
2							
3	2	SS	2' - 4'	1.2'	5 6 9 11		0.2 Same as above, PID = 1.5
4							1.0 GRAVEL and SAND, medium to coarse trace silt, moist, 2.5 Y 7/4
5	3	SS	4' - 6'	1.2'	10 15 15 18		SAND, medium to fine, some pebbles to 1", trace silt, dry to moist, 2.5 Y 7/4, PID = 0 (Pebbles to 2" diameter in auger flights)
6							
7	4	SS	6' - 8'	1.4'	20 31 29 27		SAME AS ABOVE, PID = 0
8							
9	5	SS	8' - 10'	1.5'	21 28 24 25		SAME AS ABOVE, PID = 0
10							END OF BORING AT 10'

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QSOURCE ENVIRONMENTAL SERVICES, INC.

SUBSURFACE EXPLORATION LOG

PIT OR BORING # SB-3
PAGE 1 OF 1

PROJECT Gem City Chemicals, Inc. PROJECT # 193004

GENERAL SITE LOCATION 1287 Air City Avenue

STATE Ohio COUNTY Montgomery CITY/TWP Dayton SEC

LOCATION ON THE SITE 180' E of western fence, 100' S of northern fence, unused western parcel

METHOD(S) 4 1/4" HSA RIG CME-75 HOLE DIA. 9 " SAMPLER & SIZE 2"x24" Split Spoon

DRILLING CO. Moody's of Dayton DRILLERS P. Ridder, J. D. Hobbs LOGGED BY J. Michael Clinch

DATE STARTED 1/12/93 DATE FINISHED 1/12/93

_ BORING COMPLETED AS A _____ OR X BACKFILLED DATE 1/12/93 MATERIAL cement, 5% bentonite

DEPTH TO WATER: Encountered at N. E. ', At completion N. A. ', After N. A. Hrs. water was at N. A.'

DEPTH	SAMPLE INFORMATION #	TYPE	FROM / TO	REC	BLOW CT ADV RATE	ELEV.	MATERIAL / DRILLING AND OTHER NOTES
							surface: Grass, weeds, coal fragments
0							
				N.R.	12 6		(No recovery - redrove split spoon)
1	1	SS	0' - 2'	1.0	10 5		6" coal fragments
					6 6		6" SILT and SAND, fine to medium, little pebble
2					9 9		moist, 7.5 YR 3/2, PID = 0
					10		7" SAME AS ABOVE, SAMPLED FOR VOCs
3	2	SS	2' - 4'	1.3'	12		8" SAND, fine to medium, some pebbles (to 1")
					12		little coarse sand and granules, trace silt
4					15		dry, 2.5 Y 6/6 PID = 0
					8		PEBBLES (to 1") and SAND, medium to coarse,
5	3	SS	4' - 6'	1.3'	12		little fine sand, little very coarse sand
					13		trace silt, dry, 5 Y 7/4, PID = 0
6					15		
					12		SAME AS ABOVE, PID = 0
7	4	SS	6' - 8'	1.4'	22		(pebbles to 3" in auger flights)
					27		
8					26		
					17		SAME AS ABOVE, PID = 0
9	5	SS	8' - 10'	1.0'	30		
					52		
10					15		END OF BORING AT 10'

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Qsource Drilling Log
Vapor Extraction Wells

Well # 1 Logged by G.Clyburn
Location 1287 Air City Drive
Dayton, Ohio
Date October 1988
Drill Co. John Mathes & Assoc.

Depths	Description
0'-18.0'	Gravel with some sand / clay
18' 22'4"	Sand and Gravel
22'4"	bottom of boring

Installation

4" sch 40 PVC
2.5' screen length
5' sand pack
natural pack 15'3" to 7'
2' hole plug
Grout to surface

Qsource Drilling Log
Vapor Extraction Wells

Well # 2 Logged by G.Clyburn
Location 1287 Air City Drive
Dayton, Ohio
Date October 1988
Drill Co. John Mathes & Assoc.

Depths	Description
0'-2'	Black clay balls (coal and silt)
2'-5'	Sand and Gravel
5'-16'	Gravel - with some sand and gravel
16'-22'	Fine Sand and small gravel, tan
22'	bottom of boring

Installation

4" sch 40 PVC
2.5' screen length
5' sand pack
1.5' hole plug
Grout to surface

Qsource Drilling Log
Vapor Extraction Wells

Well # 3 Logged by G.Clyburn
Location 1287 Air City Drive
Dayton, Ohio
Date October 1988
Drill Co. John Mathes & Assoc.

Depths	Description
0'-1'	Black coal -banck material
2'-3'	Red clay fill material
5'	organic/sewer smell
22'	Sand and Gravel
22'6"	bottom of boring

Installation

4" sch 40 PVC
2.5' screen length
5' sand pack
2' hole plug
Grout to surface

Qsource Drilling Log
Vapor Extraction Wells

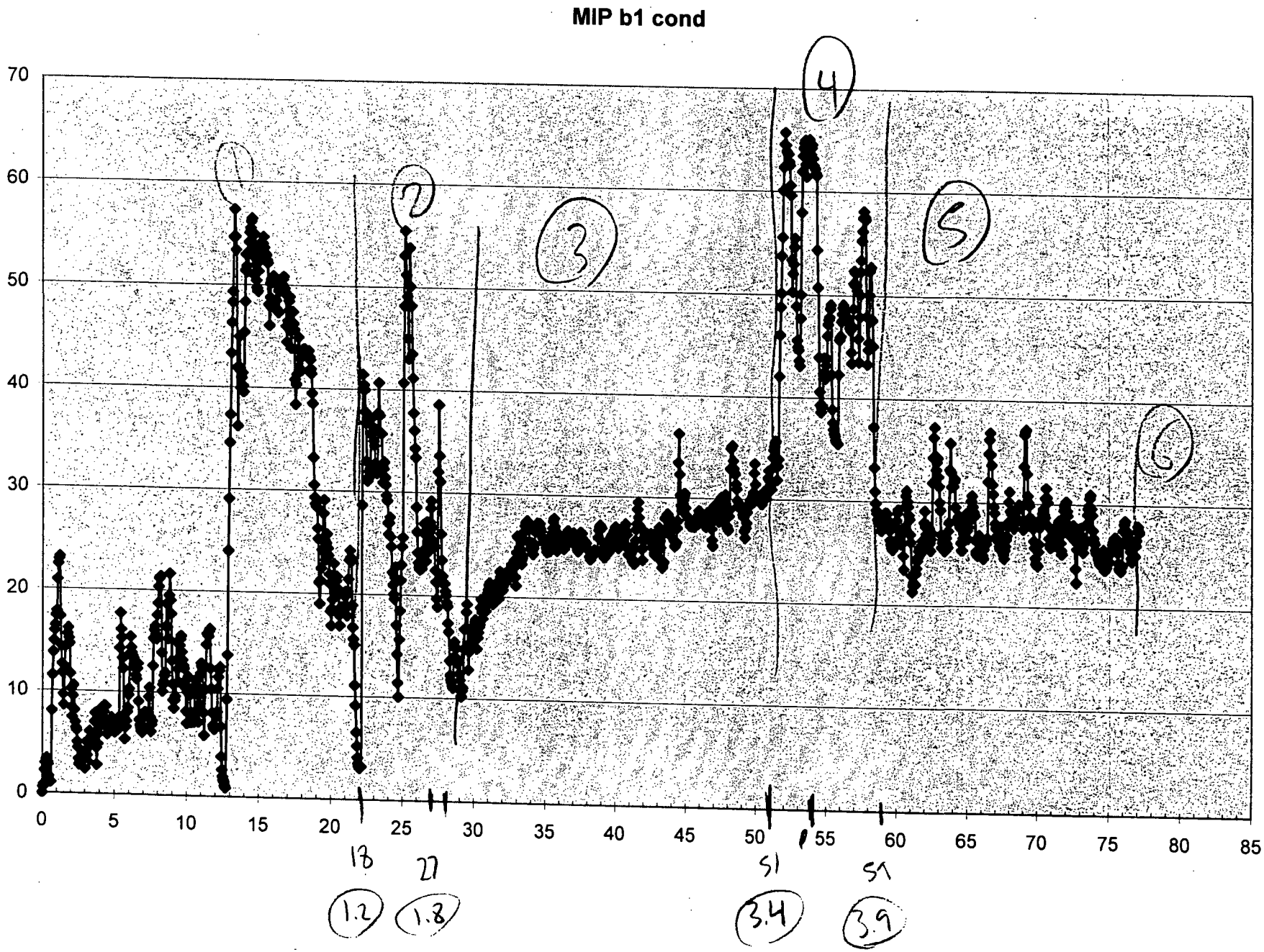
Well # 4 Logged by G.Clyburn
Location 1287 Air City Drive
Dayton, Ohio
Date October 1988
Drill Co. John Mathes & Assoc.

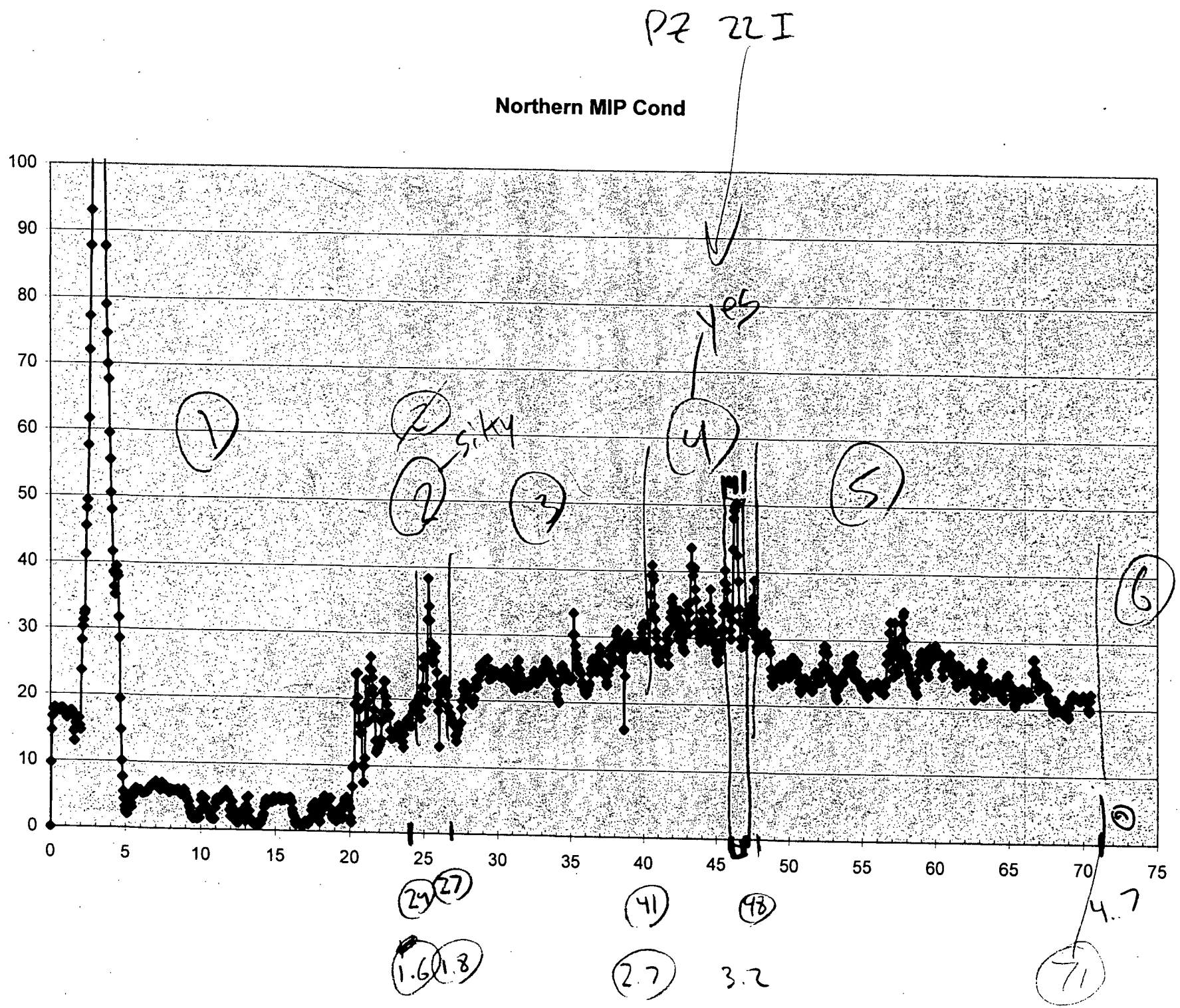
Depths	Description
1'-2'	Dark black Gravel
8'-10'	Gravel
10'-12'4"	Gravel and sand
20'	Gravel
22'	Gravel and Sand
22'	bottom of boring

Installation

4" sch 40 PVC
2.5' screen length
5' sand pack
1'4" hole plug
Grout to surface

Between PZ 8D & PZ 9D




PZ 22I
Northern MIP Cond
yes
silty
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
1
2
3
4
5
6
24
27
41
48
1.6
1.8
2.7
3.2
4.7
71

Model 2

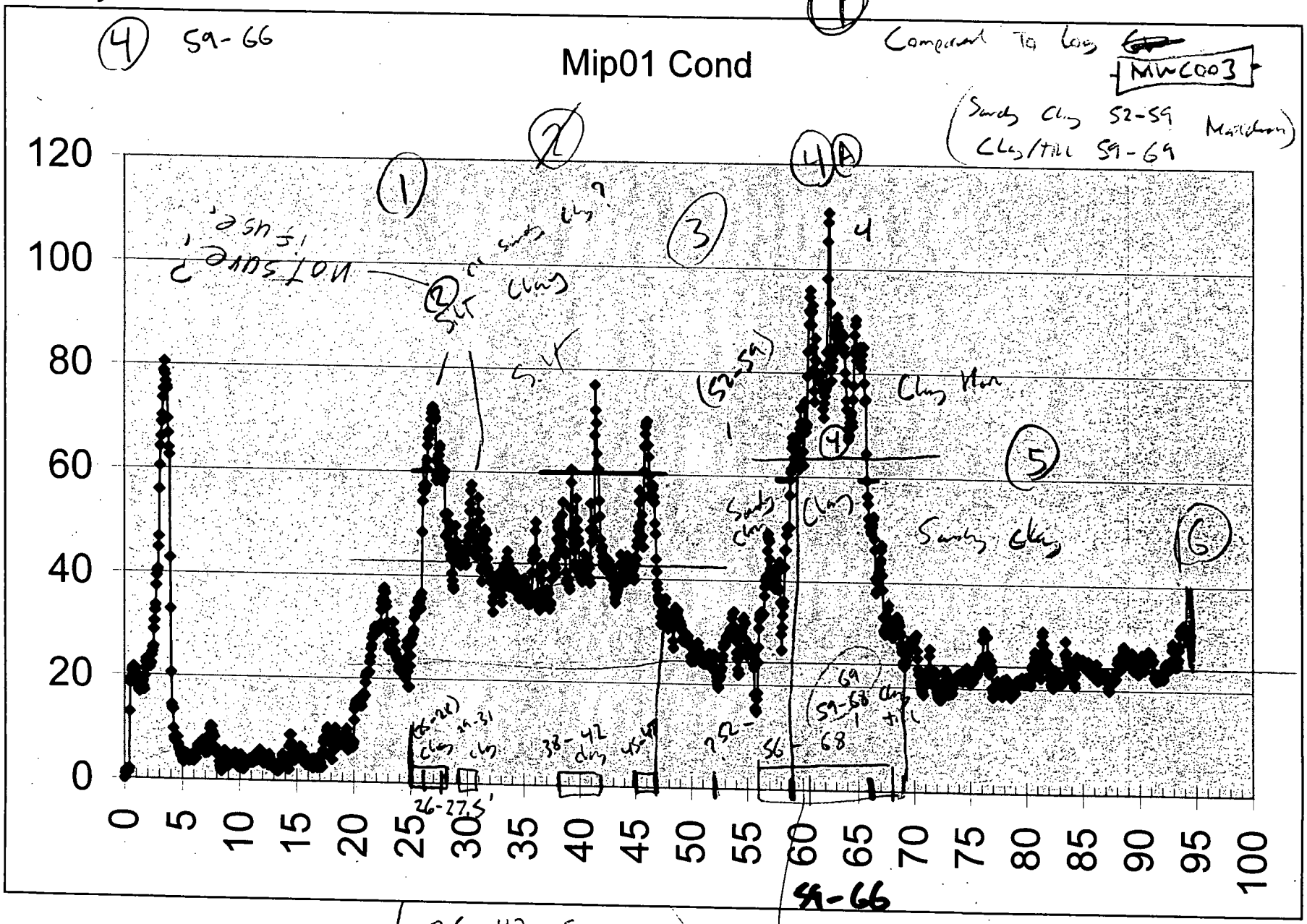
~~2~~ = ∅

(4) 59-66

(1) Clay/Silt 5

Compared To Log ~~6~~ MWC003

(Sandy Clay 52-59 Matthews)
Clay/Till 59-69



(25-47 Silty Sandy Clay?)

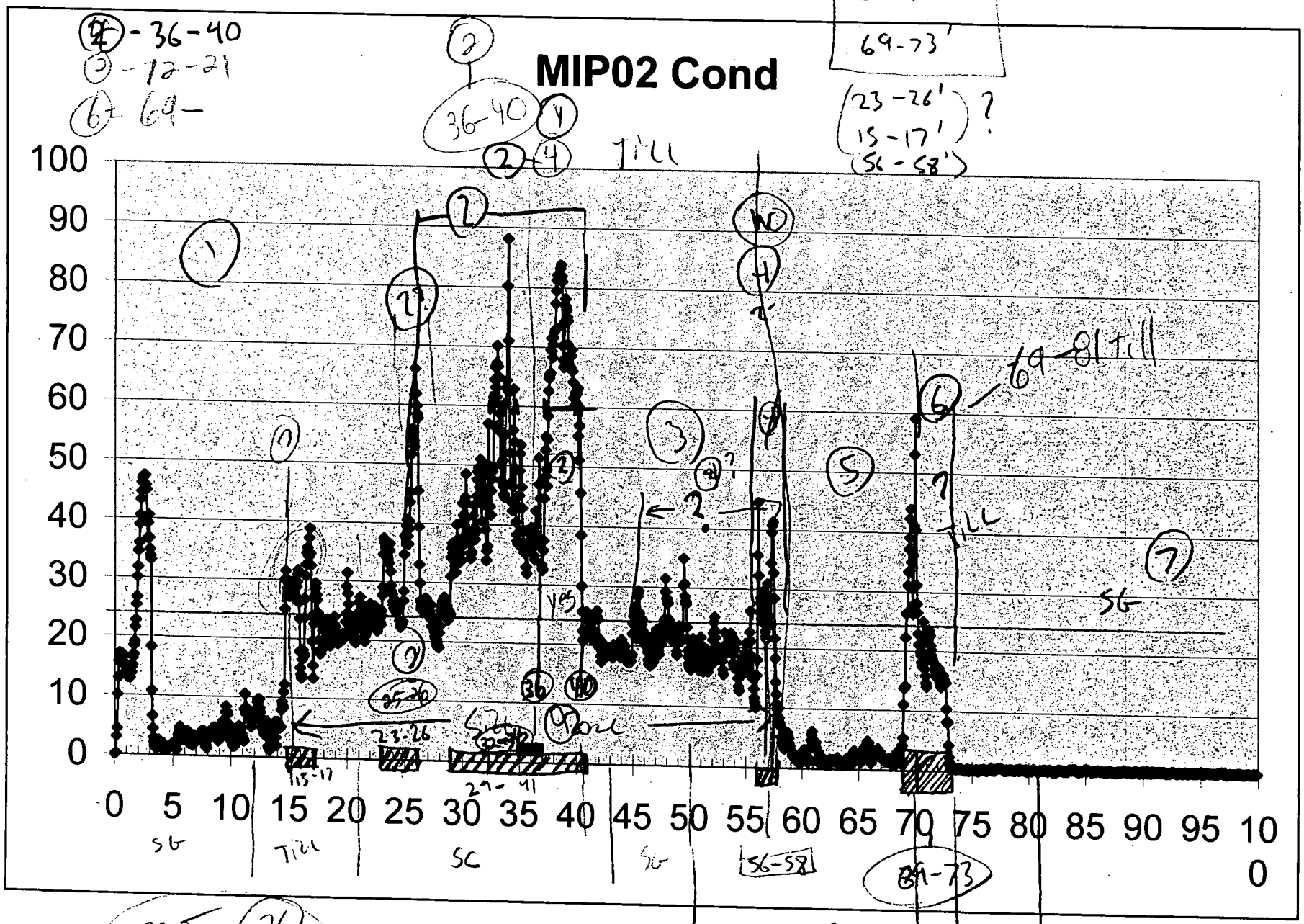
60-65.5

Model Levels ?

Sign

Clay/Till
29-41'
69-73'

(23-26'
15-17'
56-58') ?



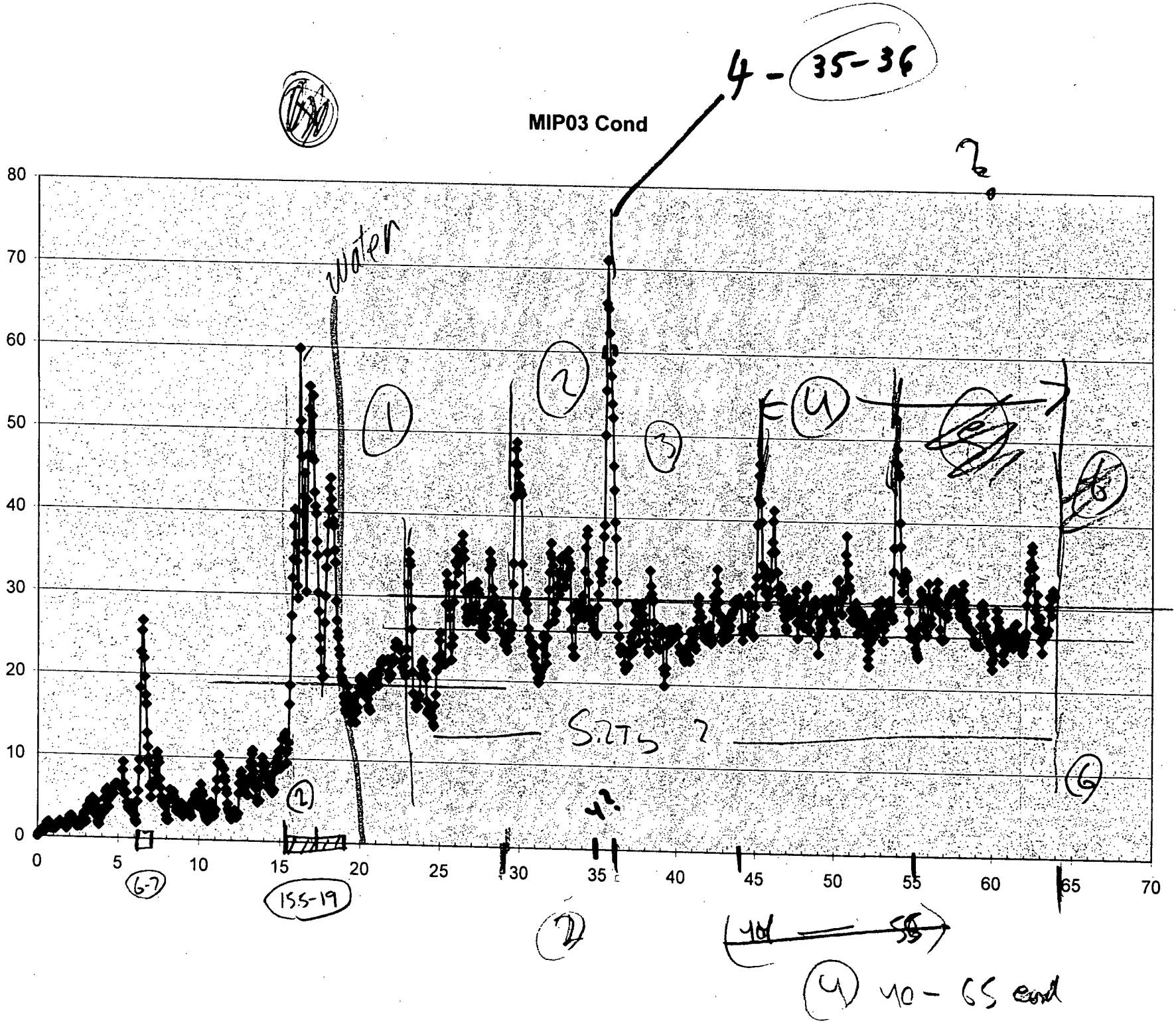
Sec

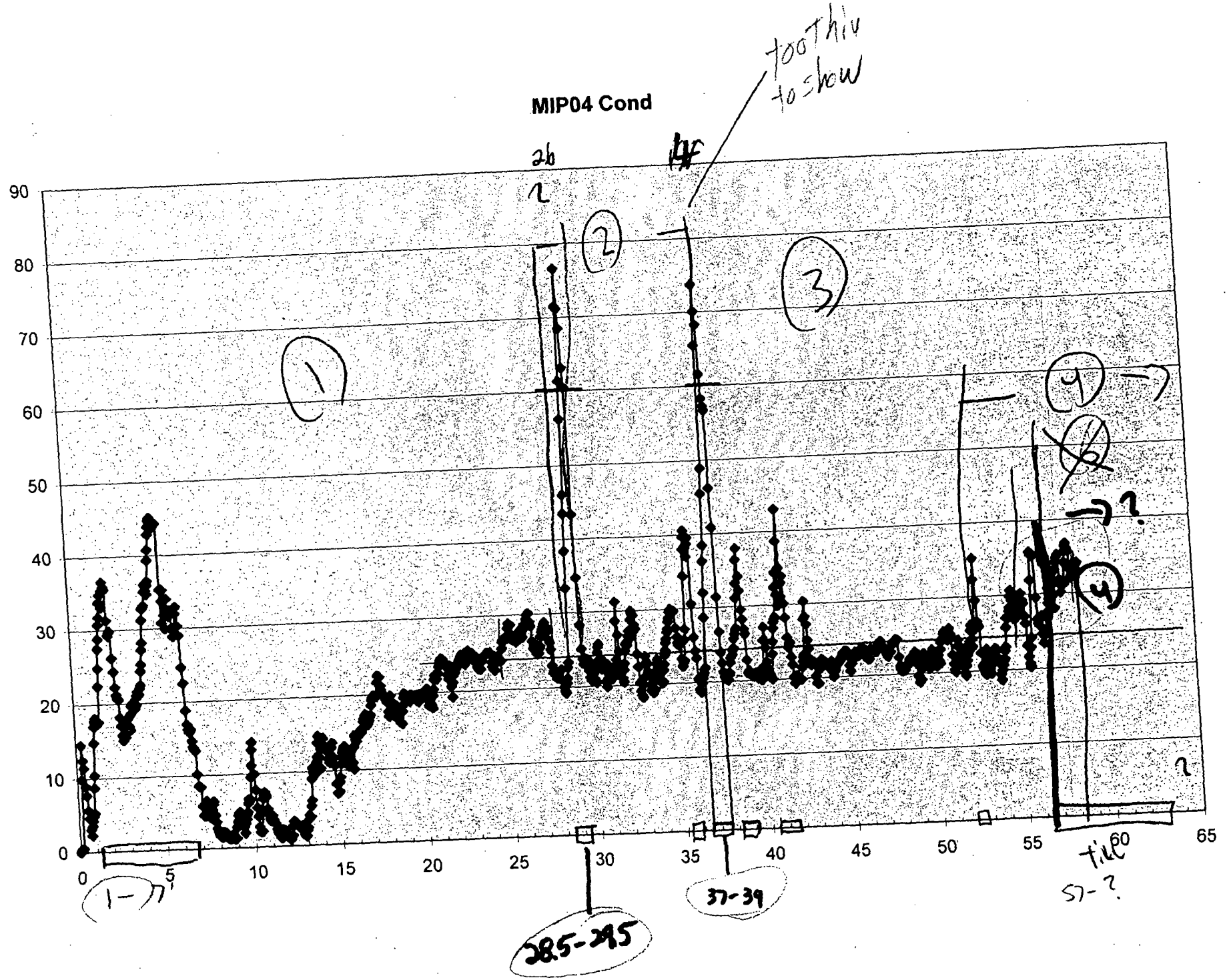
Silty SG

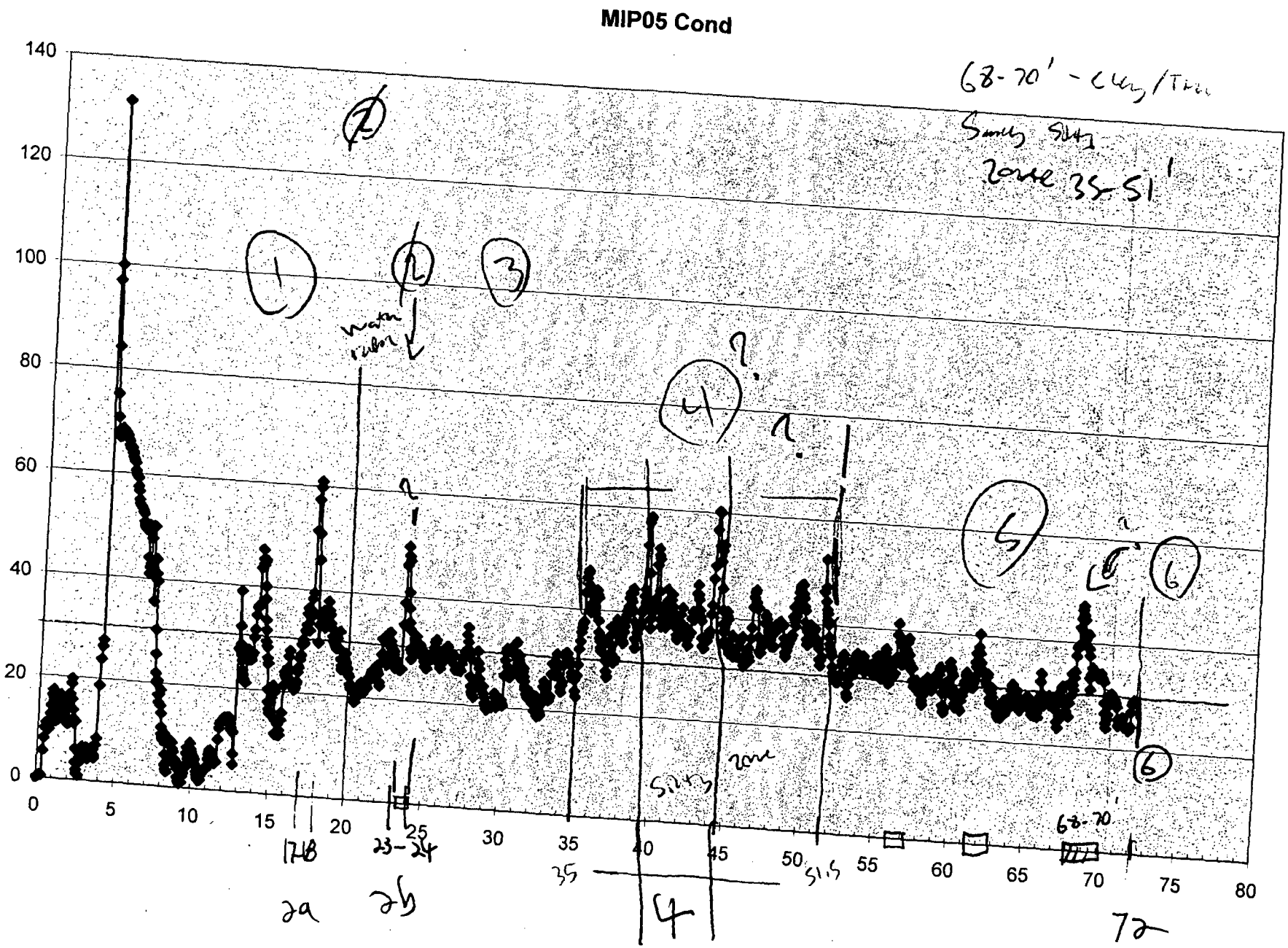
SG 96

70-81 Till

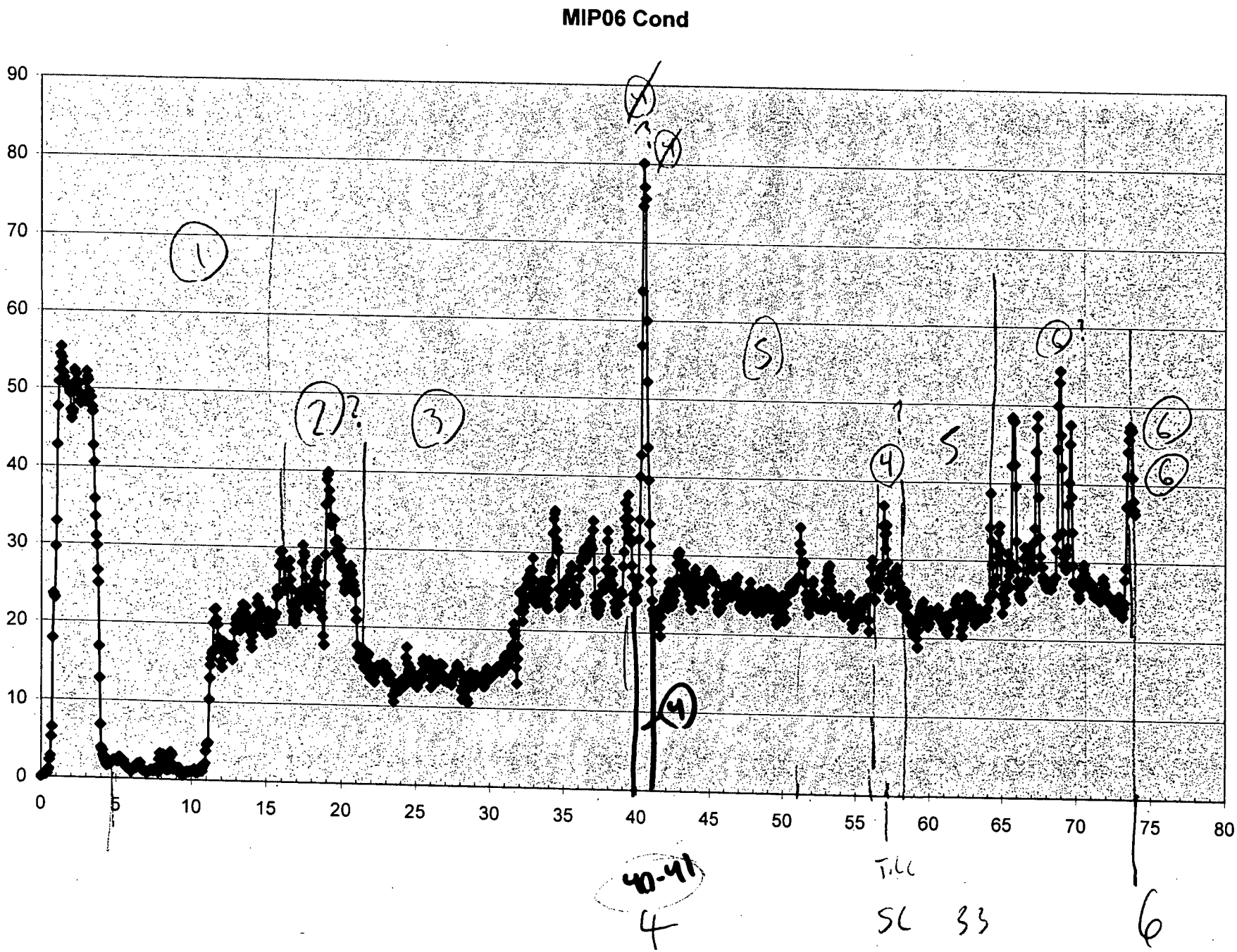
100-110


MIP03 Cond
4 - 35-36
water
Silty ?
6-7
15.5-19
40 - 65 cond


MIP04 Cond
too thin to show
2b
1
2
3
4
4
?
?
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
1-7'
28.5-29.5
37-39
tile
57-?


MIP05 Cond
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
68-70' - Clay/Tan
Sandy Silty
Zone 35-51'
1
2
3
4
5
6
water
Silty zone
17-18
23-24
35
51.5
68-70'
2a
2b
4
72

MIP06 Cond

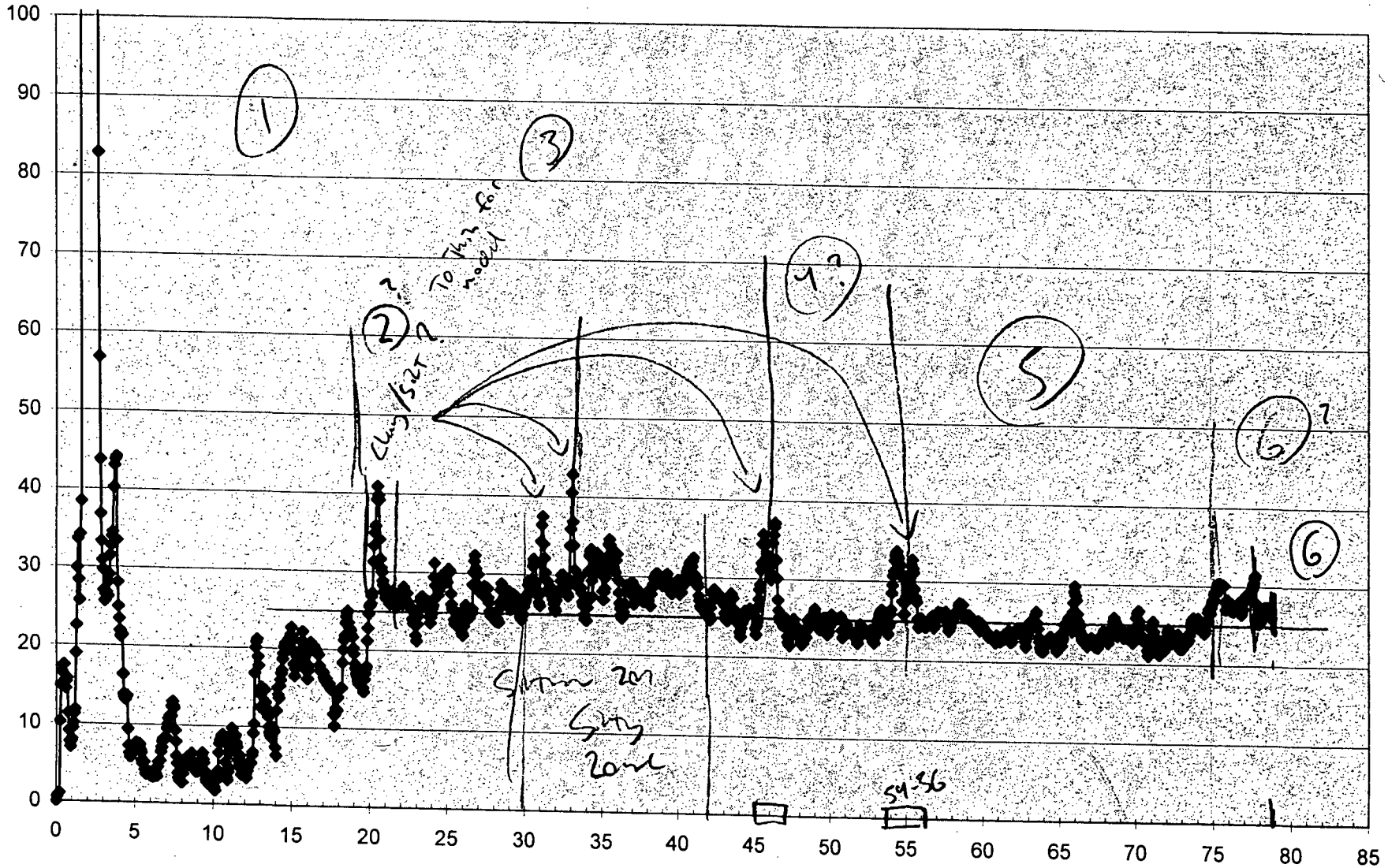


90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
1
2?
3
4
5
6
40-41
4
Till
SC 33
6

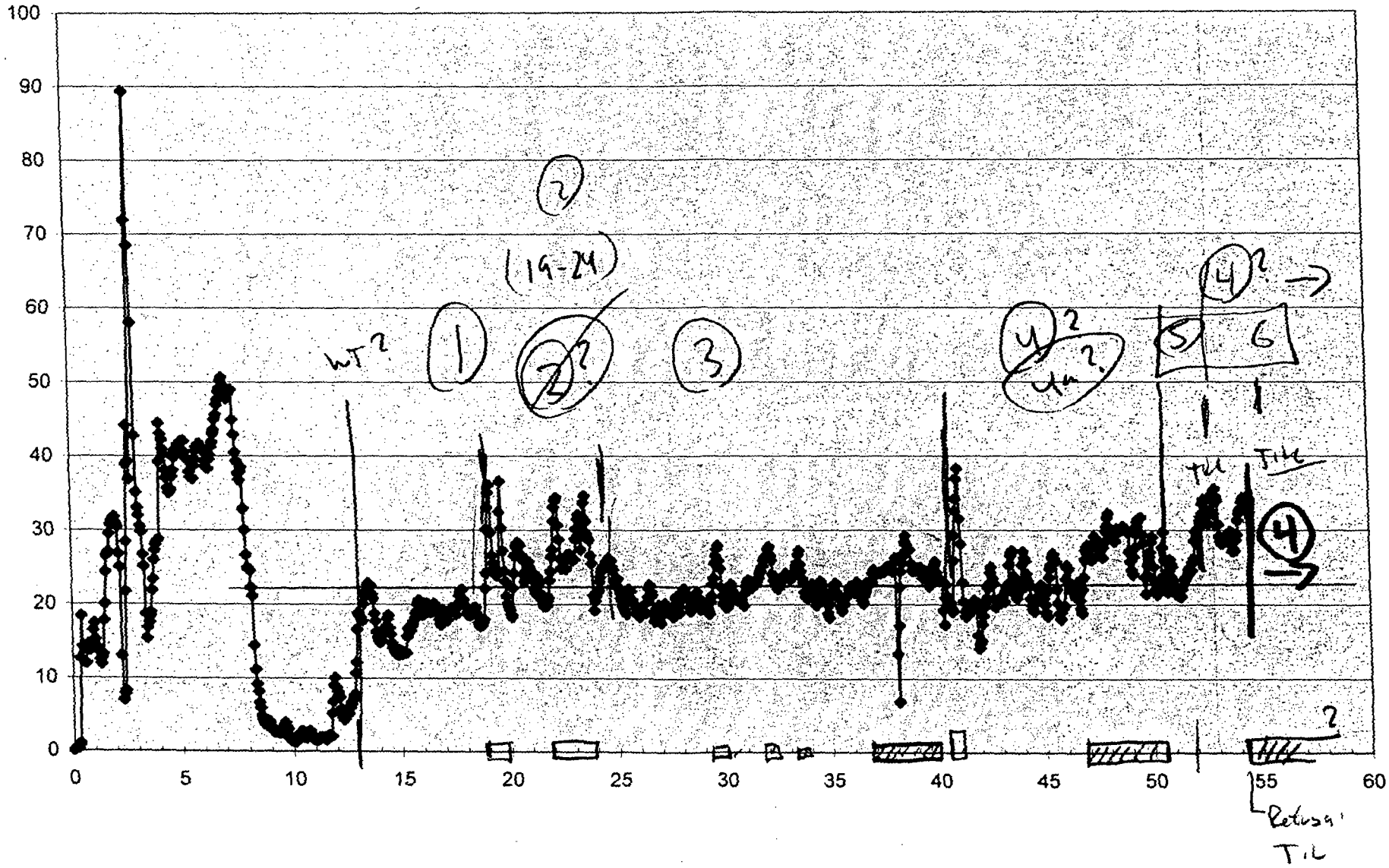
No Significant Layers (NSL)

MIP07 Cond

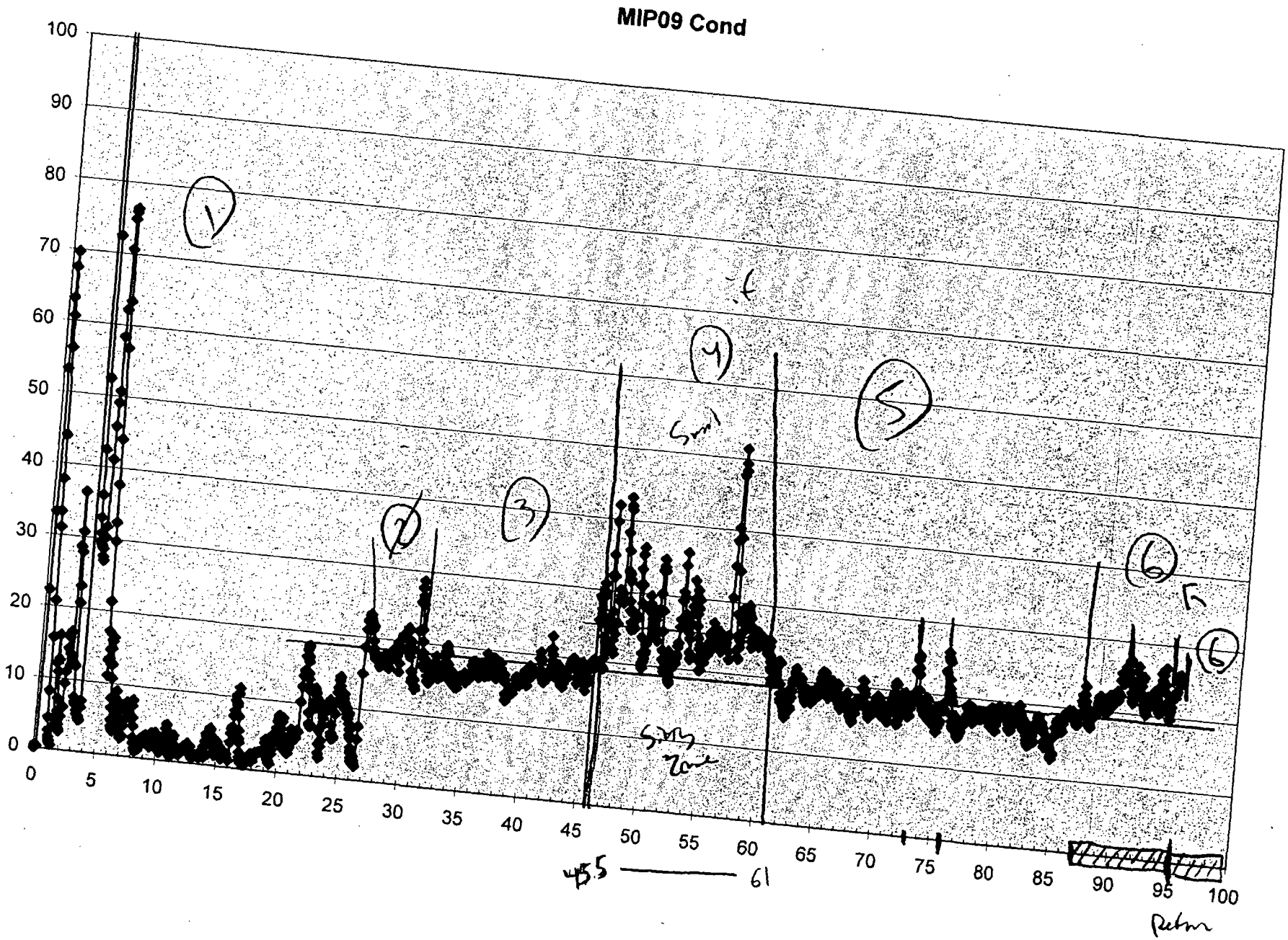
Clay 54-56
45-47

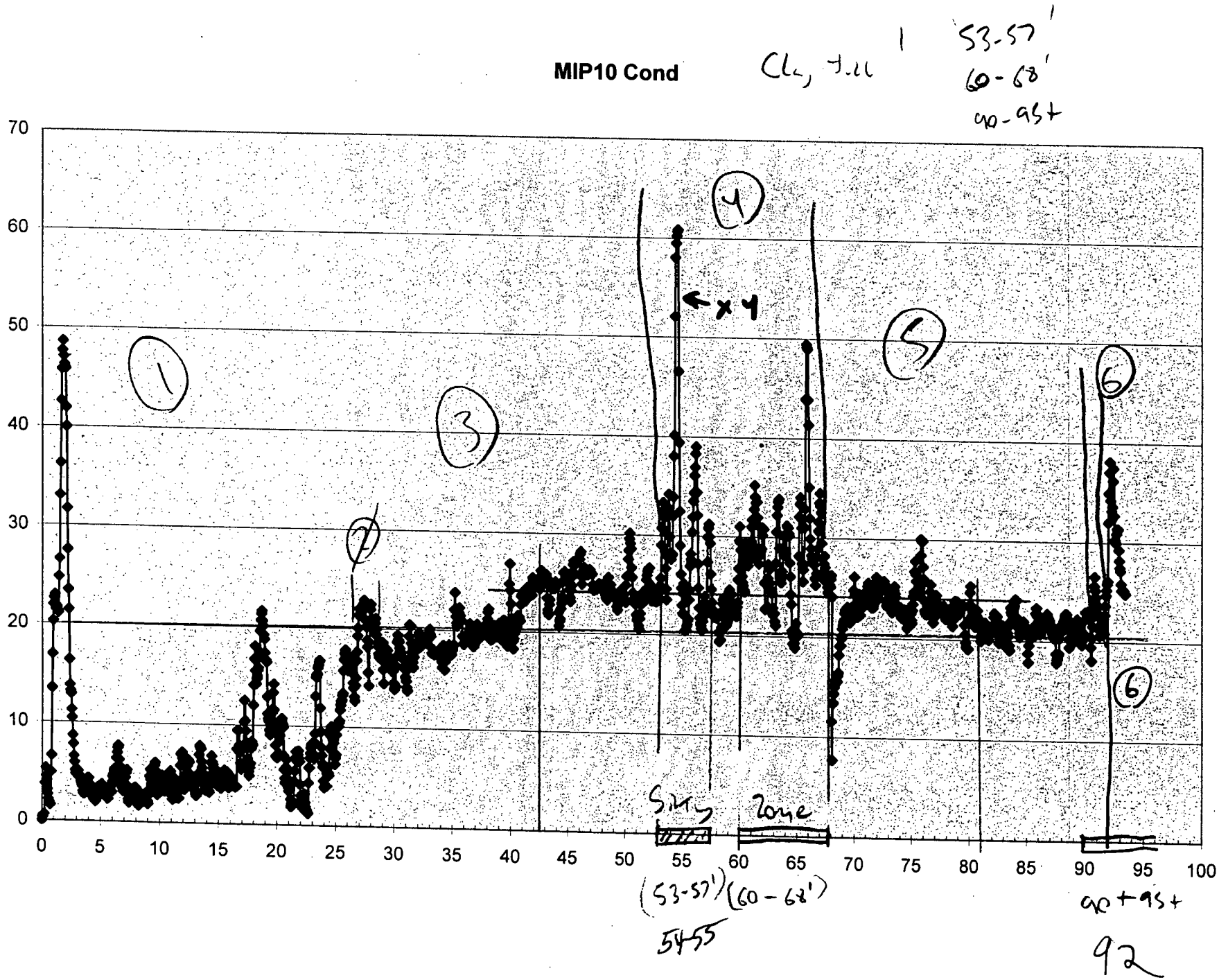


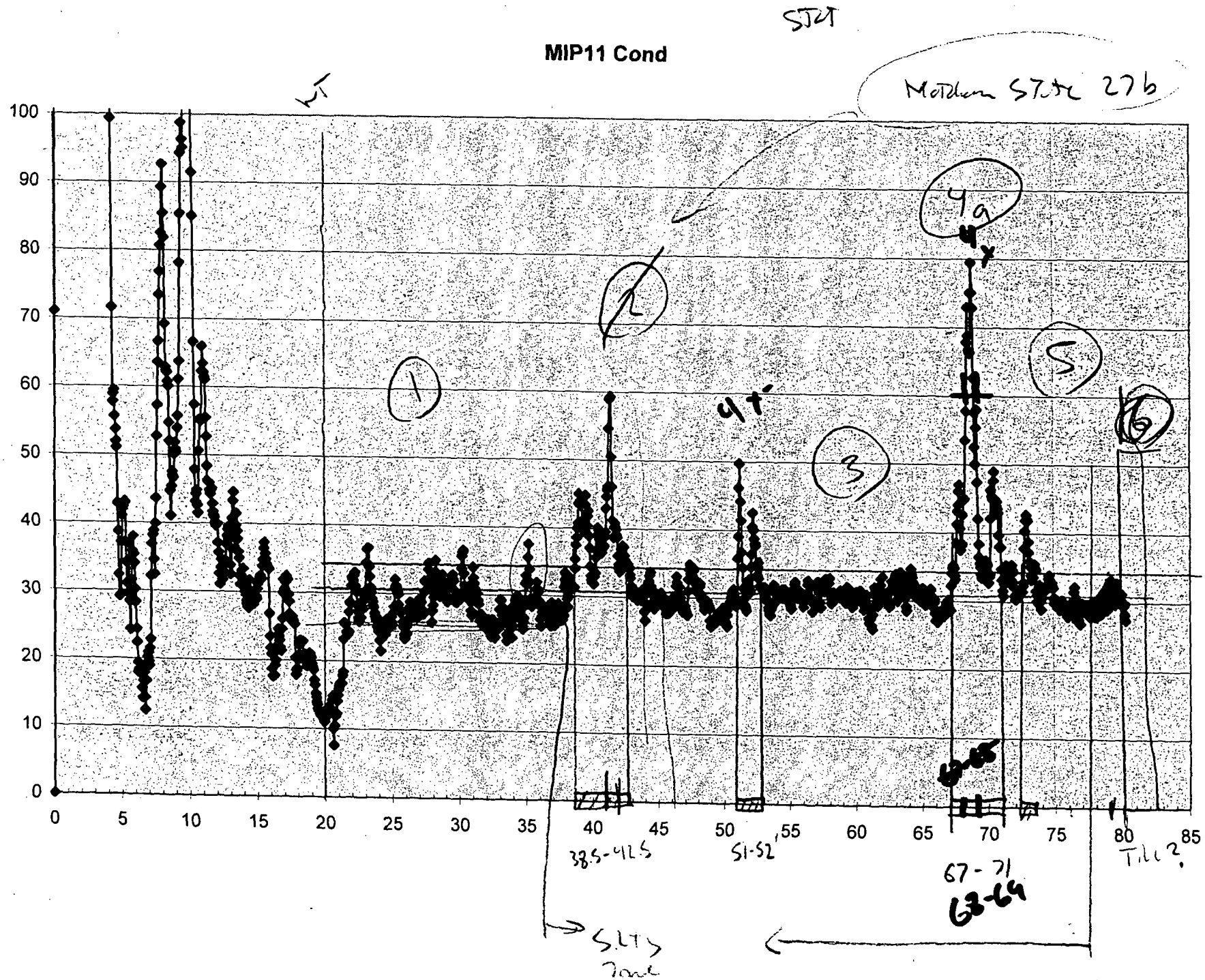
MIP08 Cond



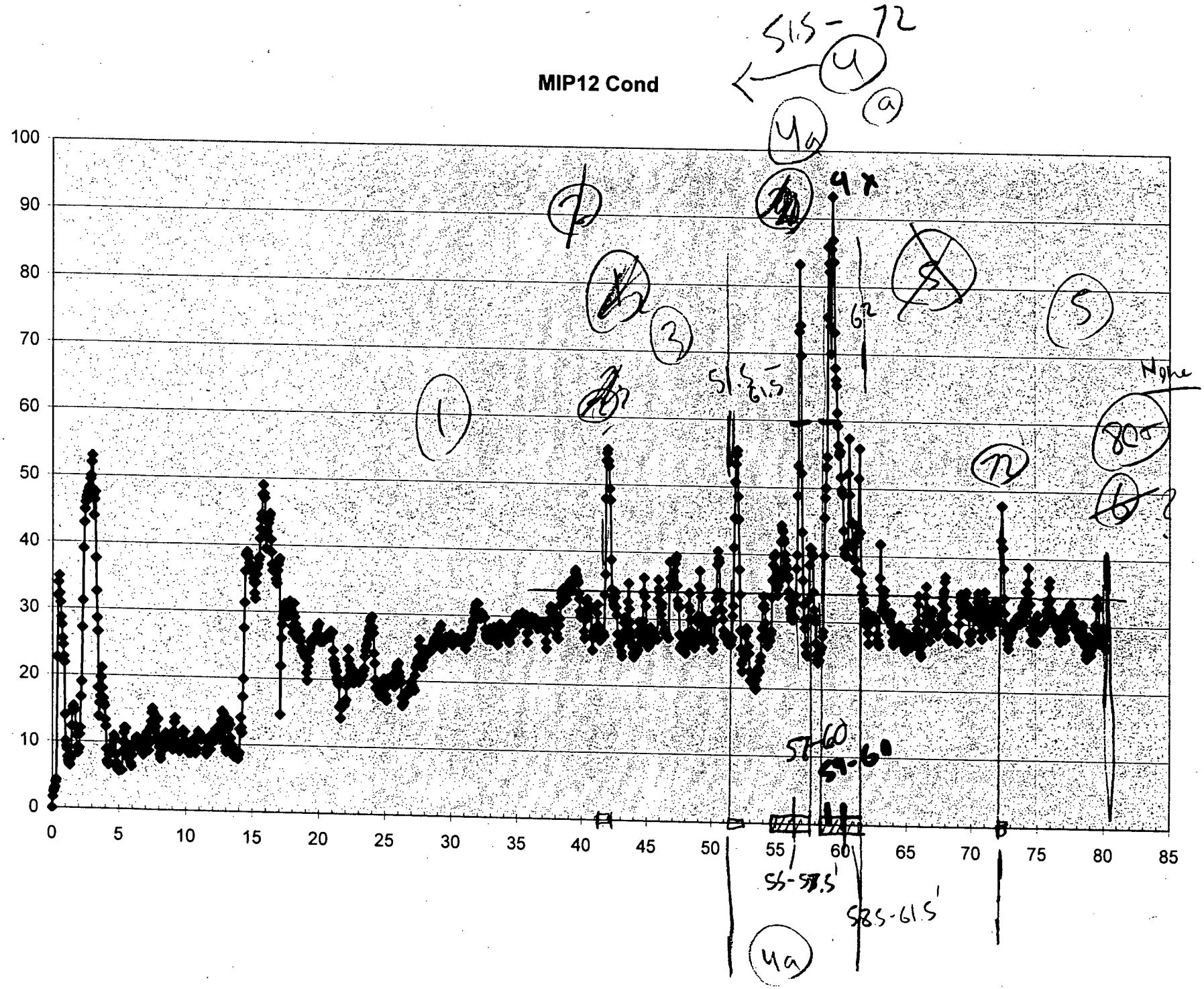
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
WT?
1
2
(19-24)
2?
3
4?
4m?
5
6
4?
TIL
TIL
4
?
Refusal
TIL

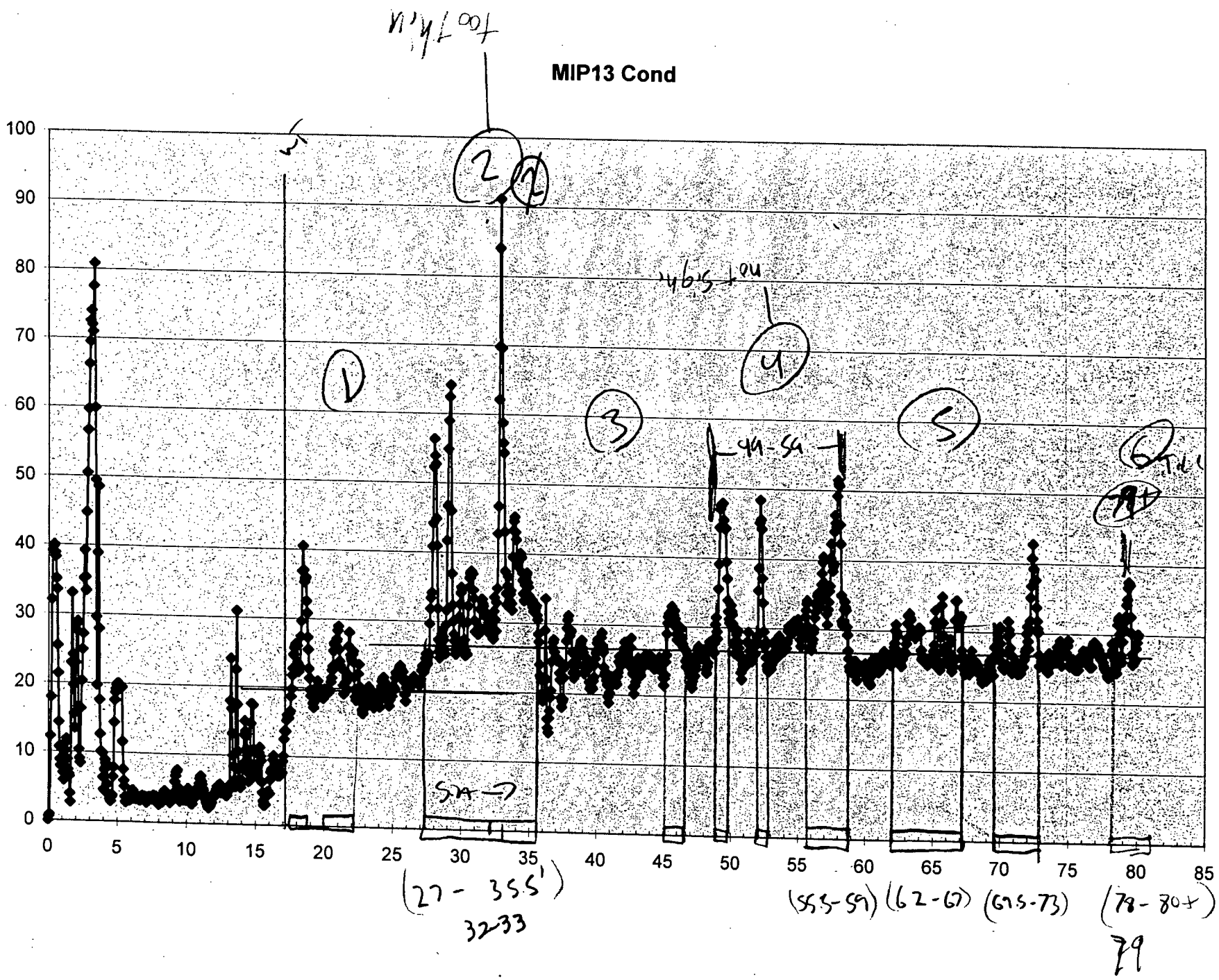

MIP09 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
1
2
3
4
5
6
6
Sand
Silty Zone
45.5
61
Return

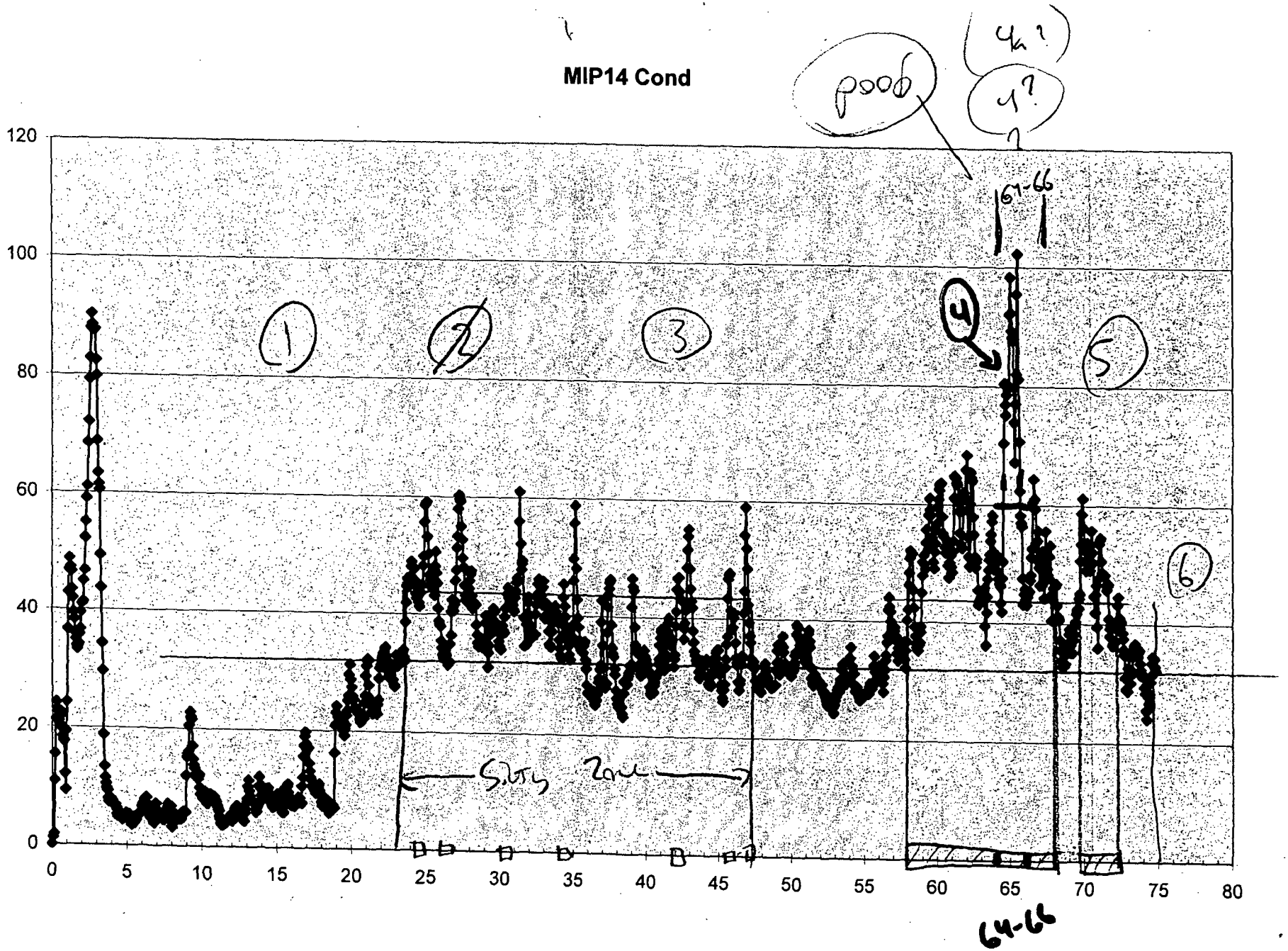

MIP10 Cond
Clay, till
53-57'
60-68'
90-95+
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
1
2
3
4
5
6
6
x4
Silty
Zone
(53-57')
(60-68')
54-55
90+95+
92

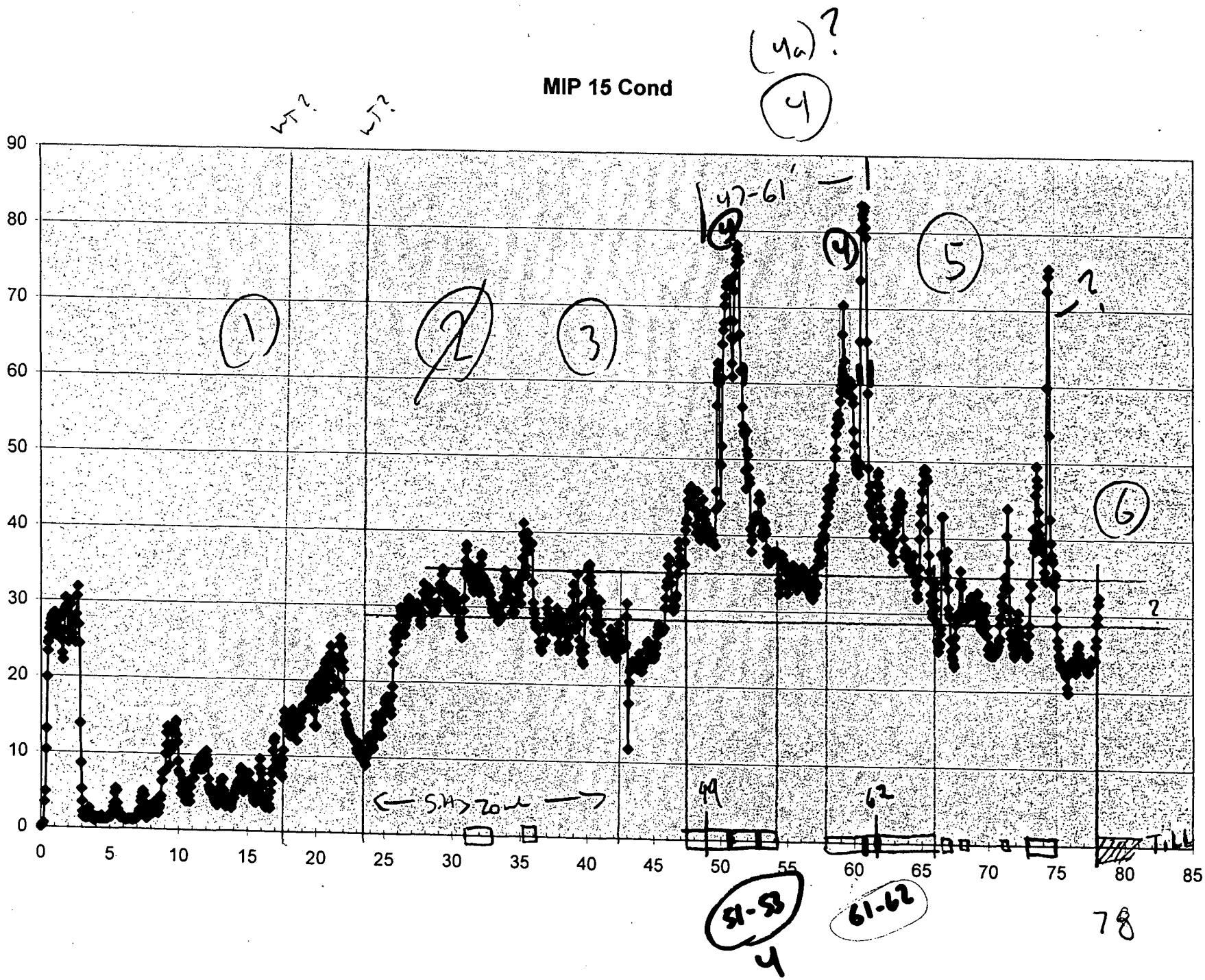


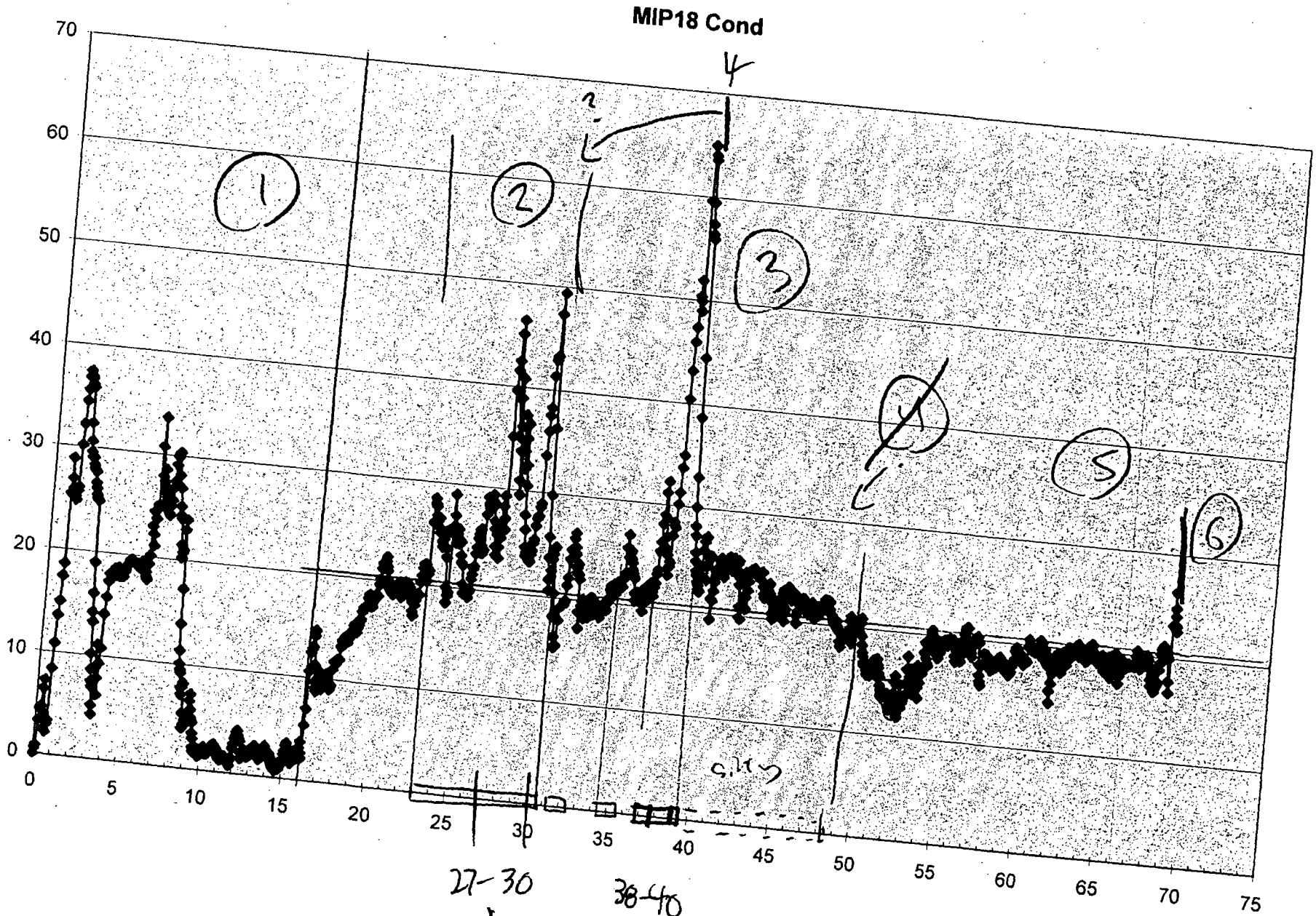
MIP11 Cond
STAT
Matchum State 27b
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
1
2
3
4a
5
6
38.5-42.5
51-52
67-71
63-64
Till?
Silty Zone


MIP12 Cond
51.5 - 72
4
a
4a
4x
62
51.5 - 61.5
57-60
59-60
55-57.5'
58.5-61.5'
None
80σ
72
1
3
5
6
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85


MIP13 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
(27 - 35.5')
32-33
(55.5-59)
(62-67)
(67.5-73)
(78-80+)
79


MIP14 Cond
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
1
2
3
4
5
6
Silty Zone
64-66
64-66
poor
4?
4?


MIP 15 Cond
(4a)?
4
WT?
WT?
47-61'
4
4
5
1
2
3
6
?
2
← S.H. zone →
49
62
TILL
51-53
4
61-62
78
0
10
20
30
40
50
60
70
80
90
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85

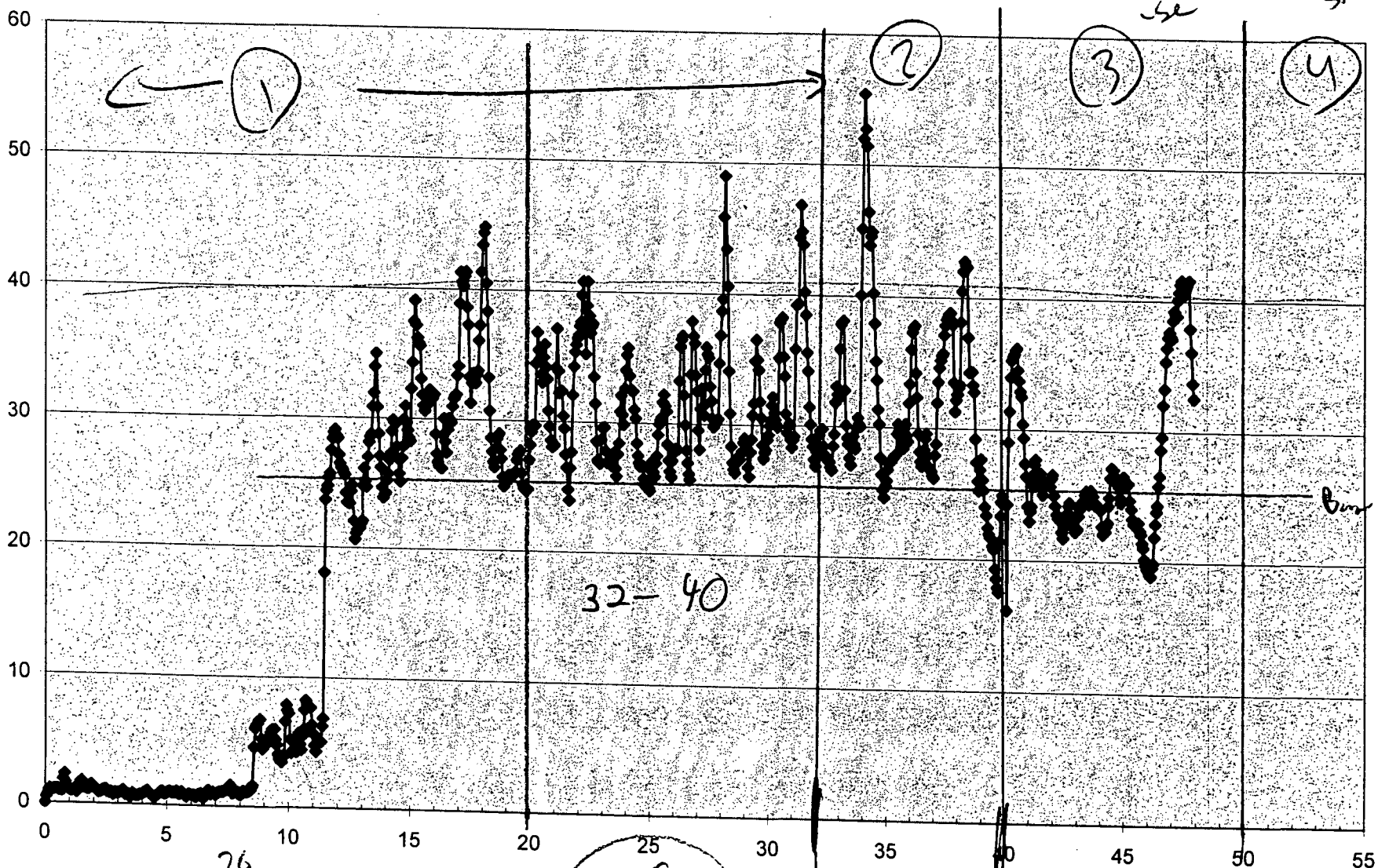

MIP18 Cond
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
1
2
3
4
5
6
27-30
38-40

toss

MIP19 Cond

? may not use use

HIST 26 side



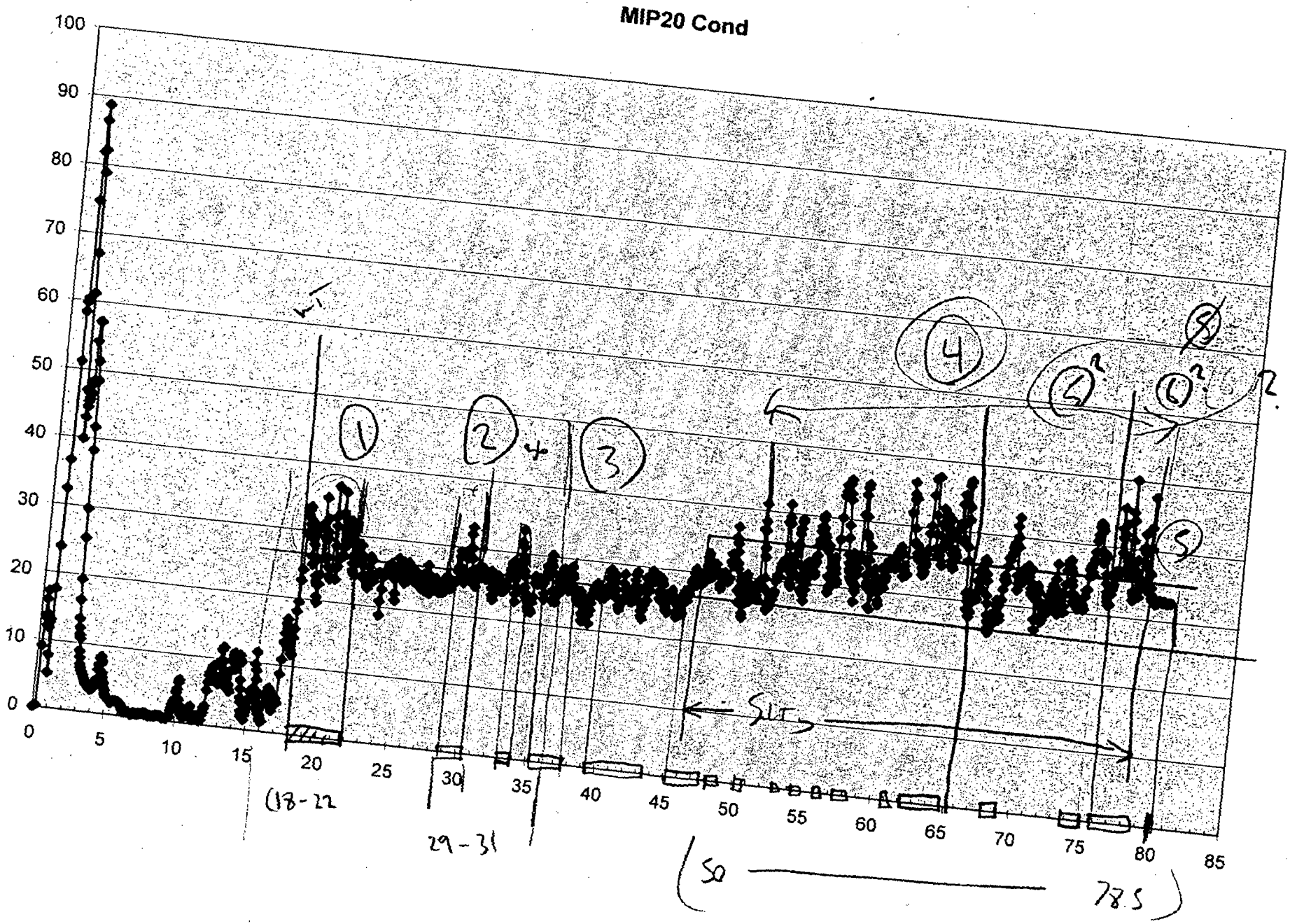
26

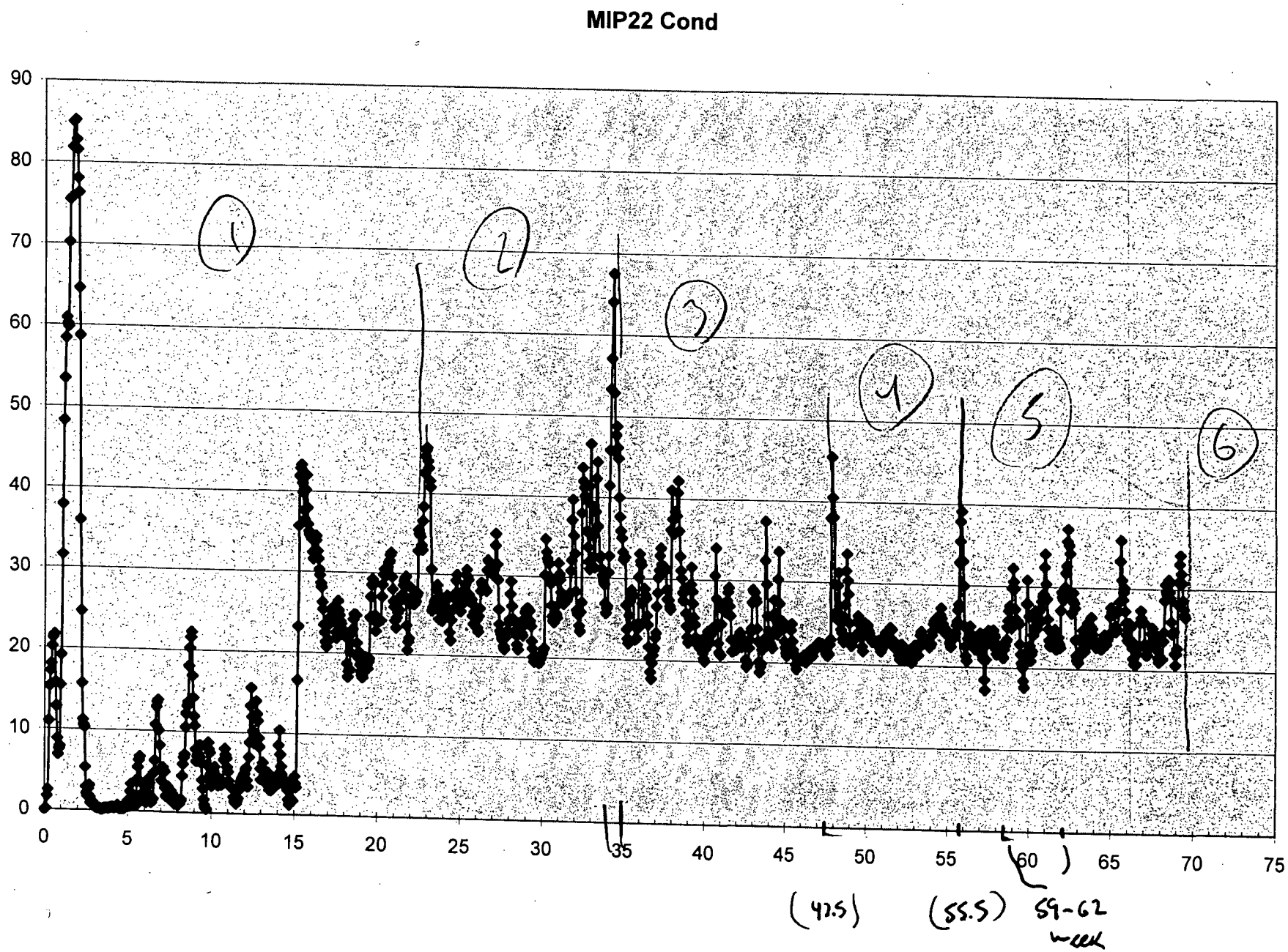
1 0 - 32
2 32 - 40
3 40 - 50
4 50 - 79
5 79-86
6 87-110
7 110-142 Carr

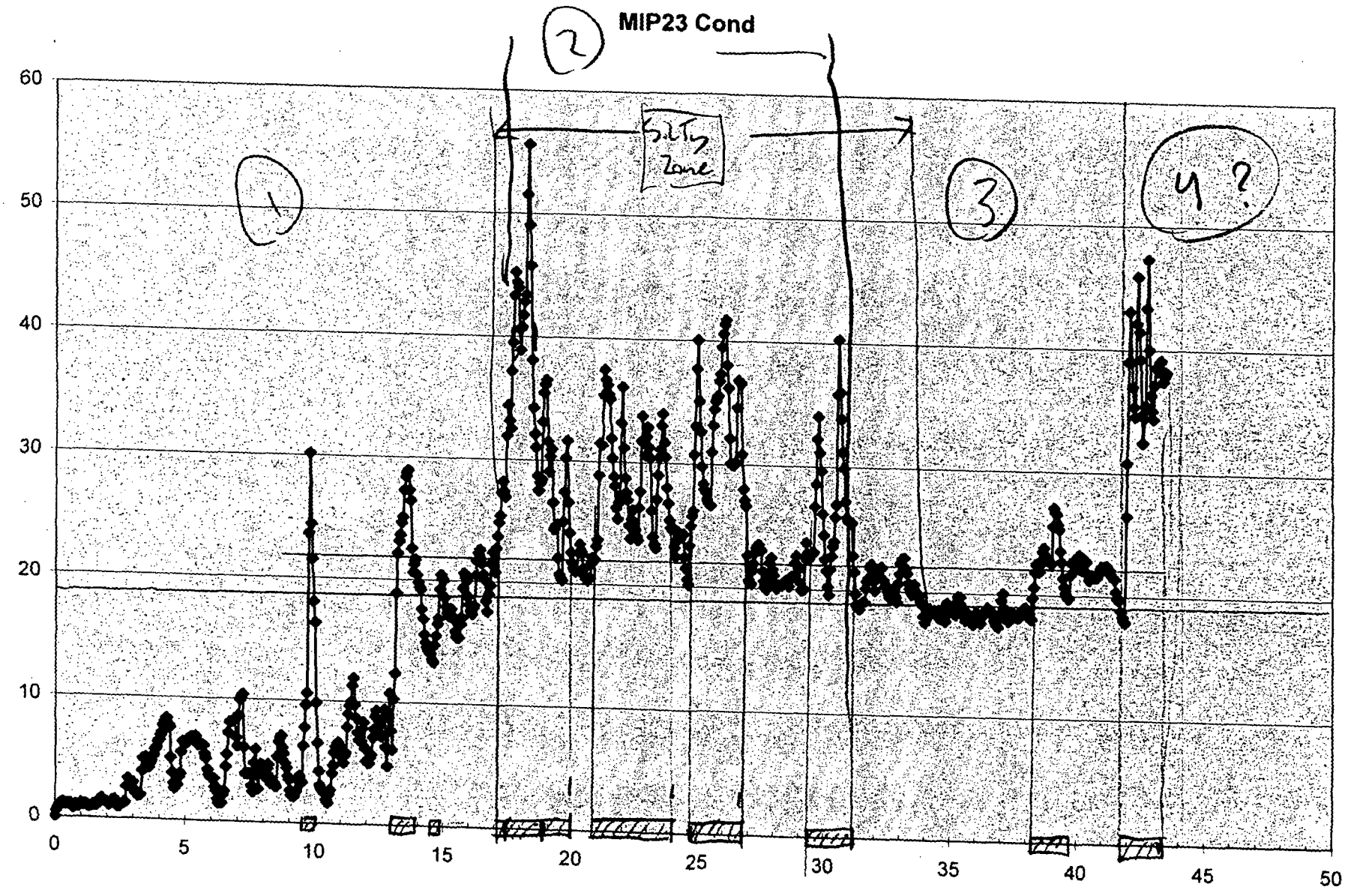
26

TILL

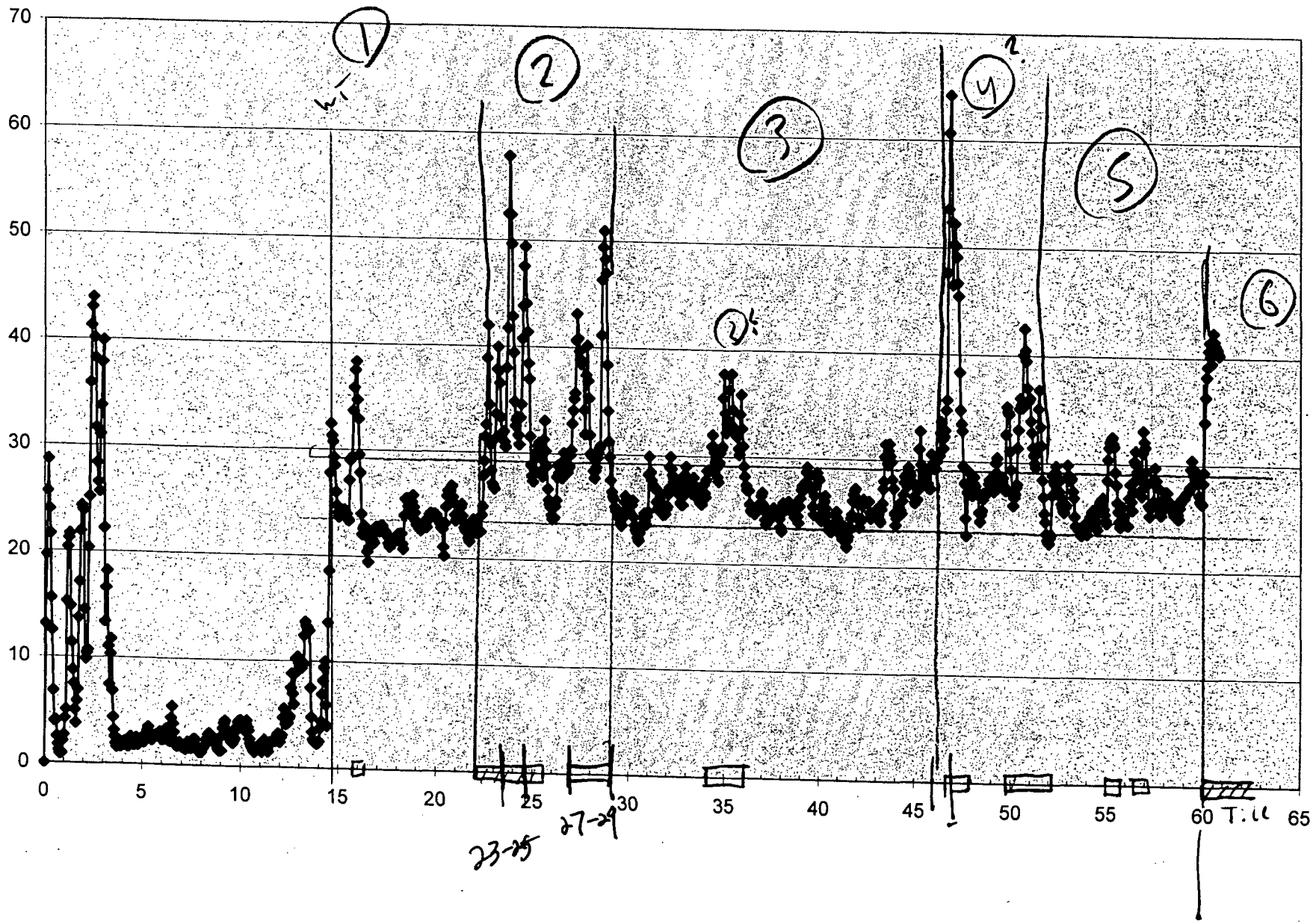
SG 5 TIL → 79


MIP20 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
1
2
3
4
5
(18-22
29-31
(50 — 78.5)

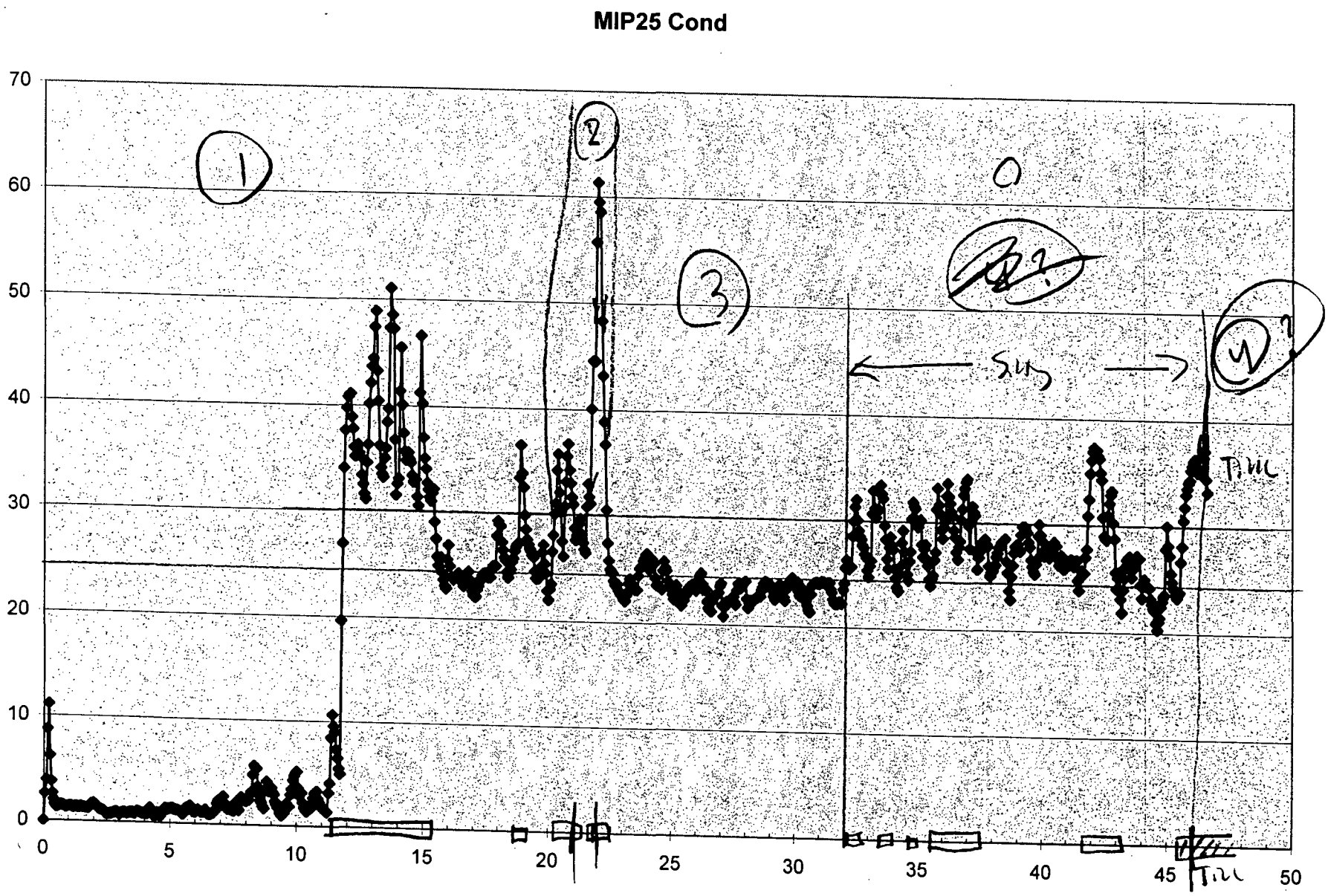

MIP22 Cond
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
1
2
3
4
5
6
(42.5)
(55.5)
59-62
week


MIP23 Cond
2
1
3
4 ?
Silty Zone
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50

MIP24 Cond

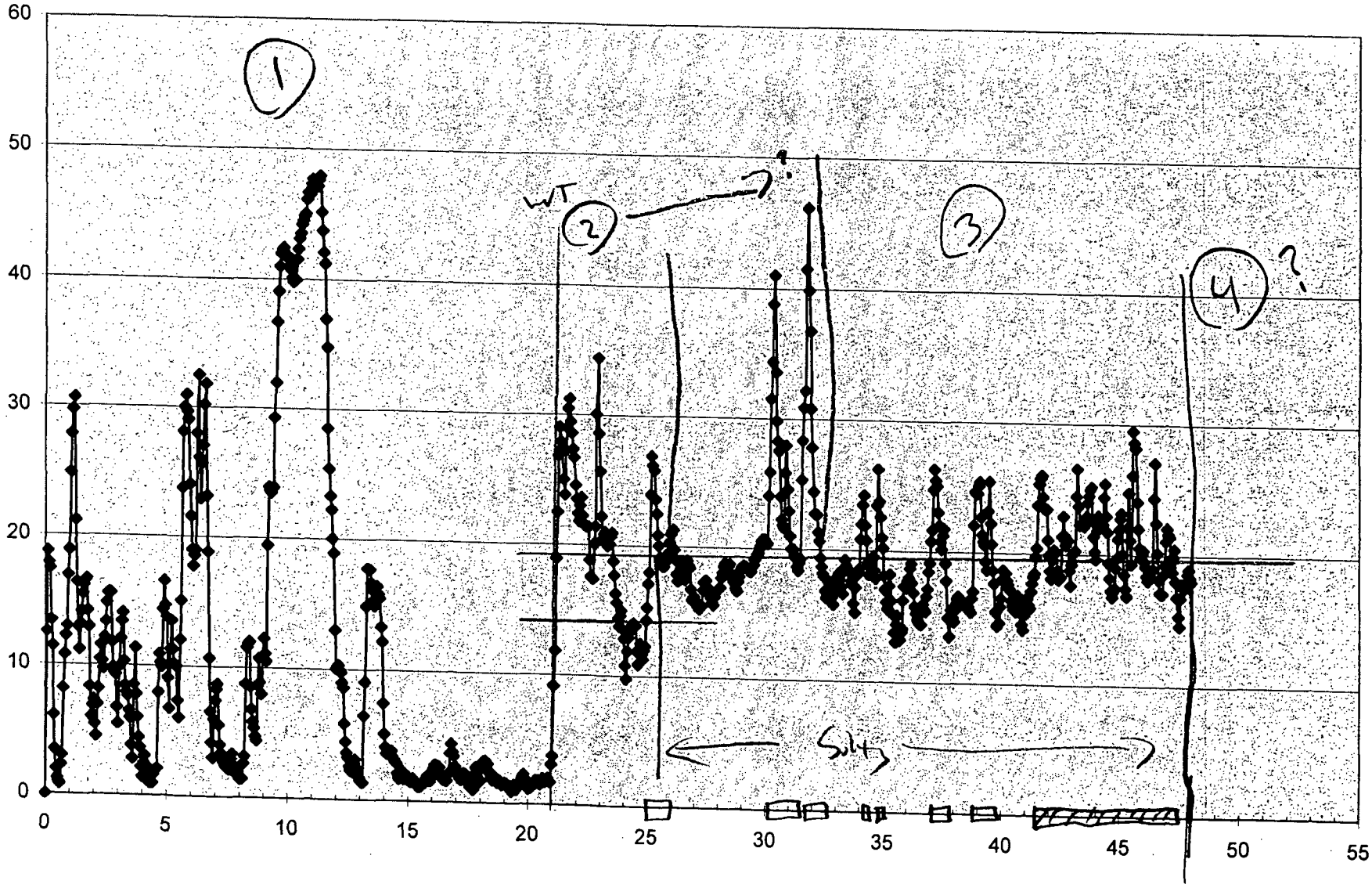

70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
1
2
3
4
5
6
23-25
27-29

MIP25 Cond

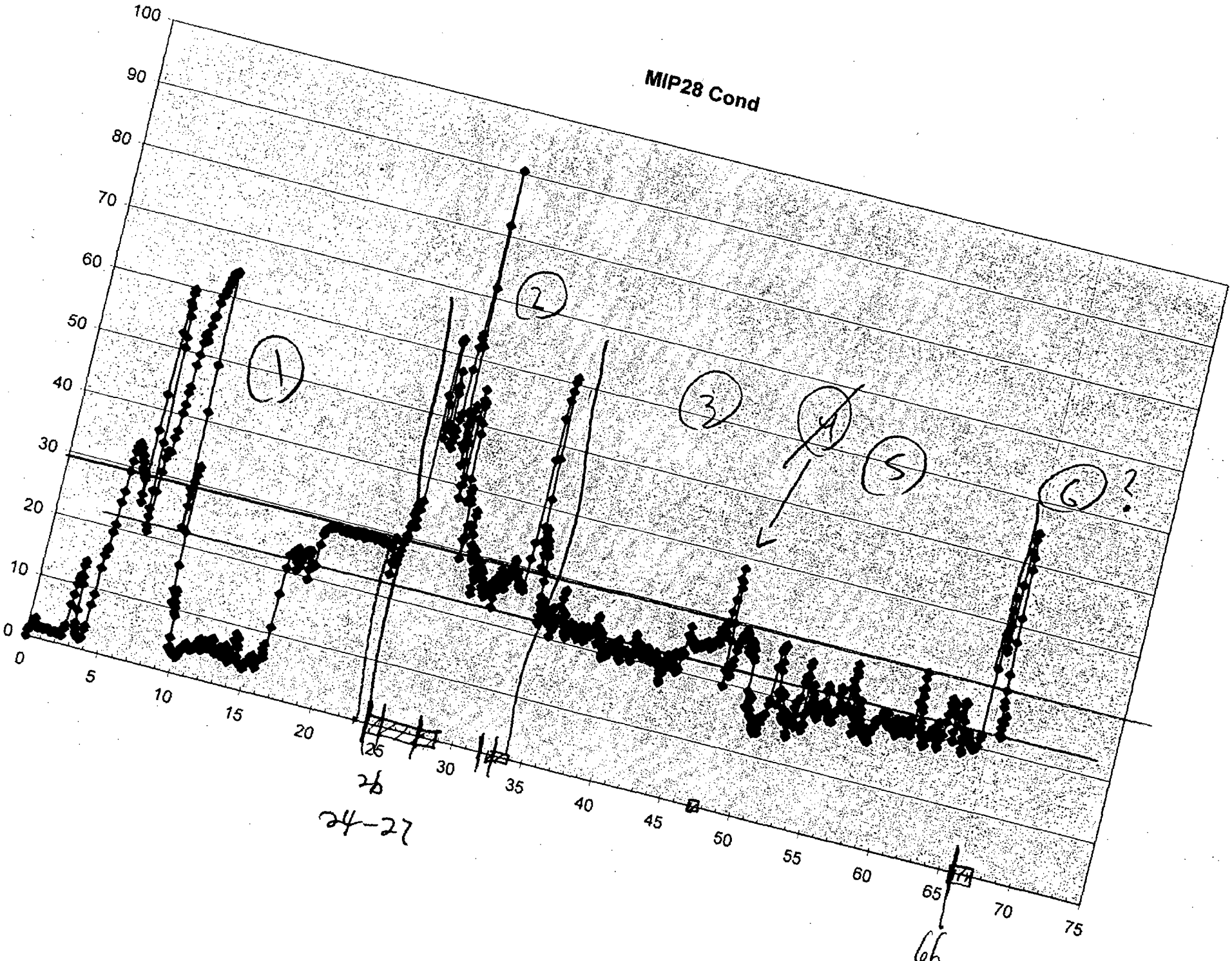


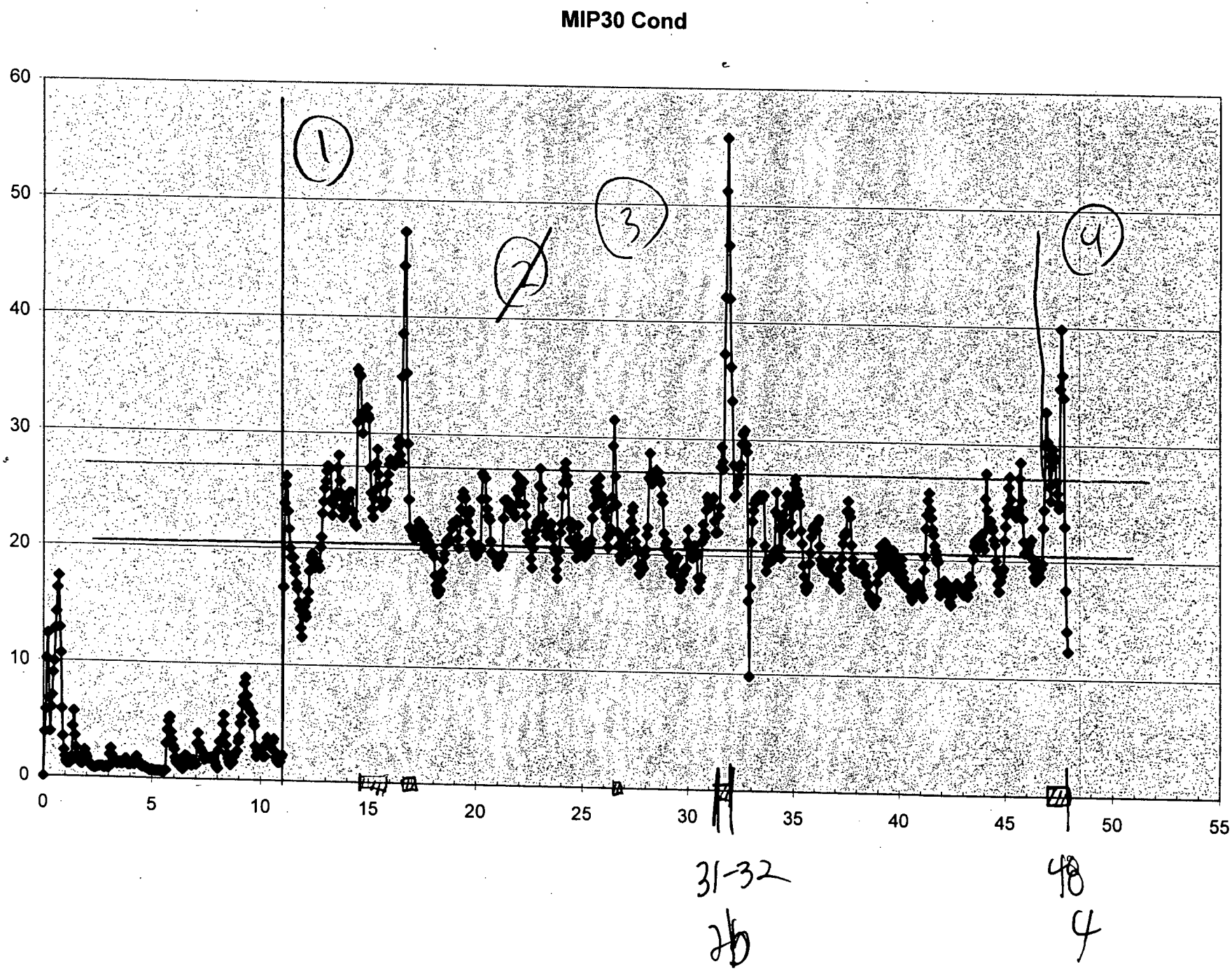
2+22

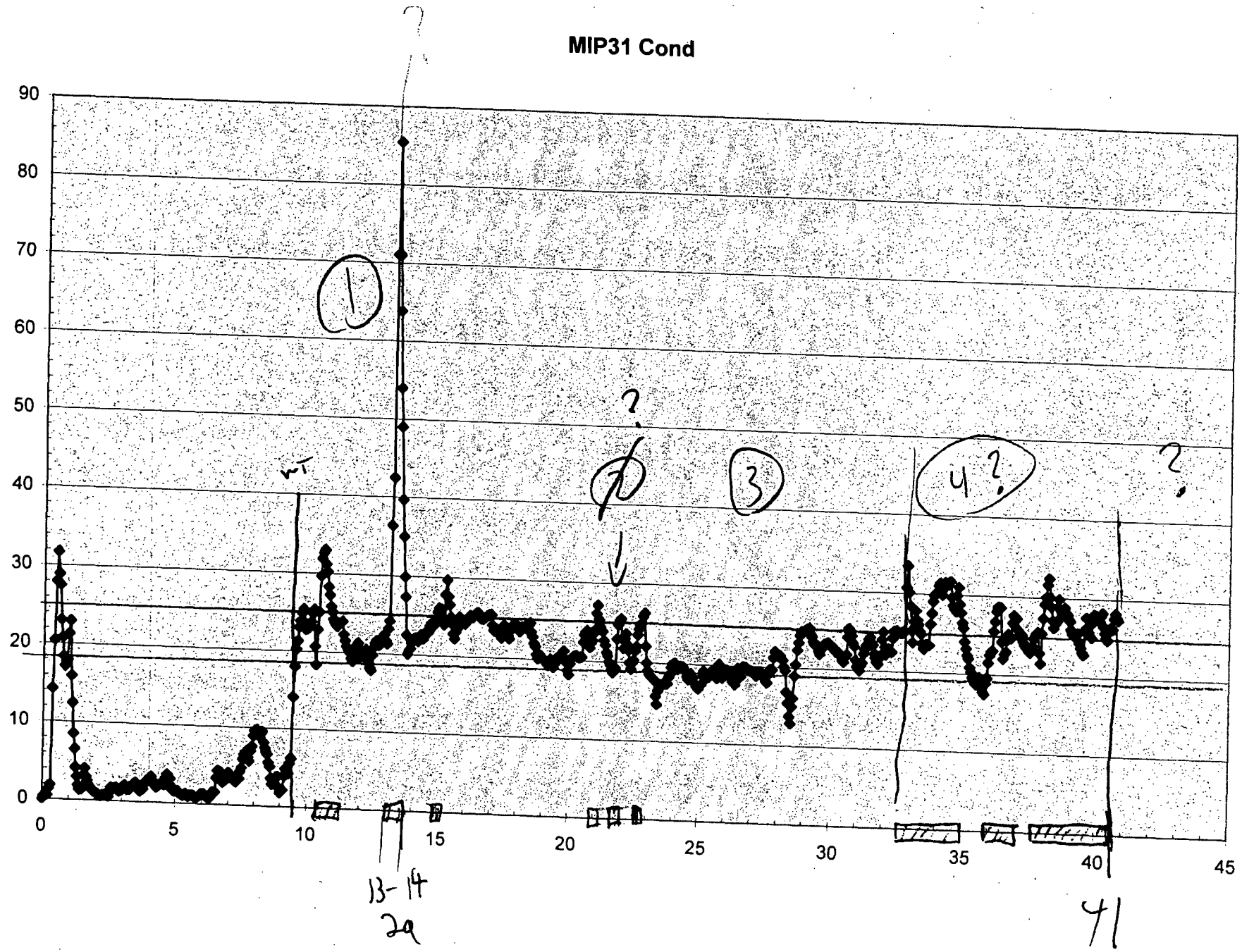
MIP26 Cond

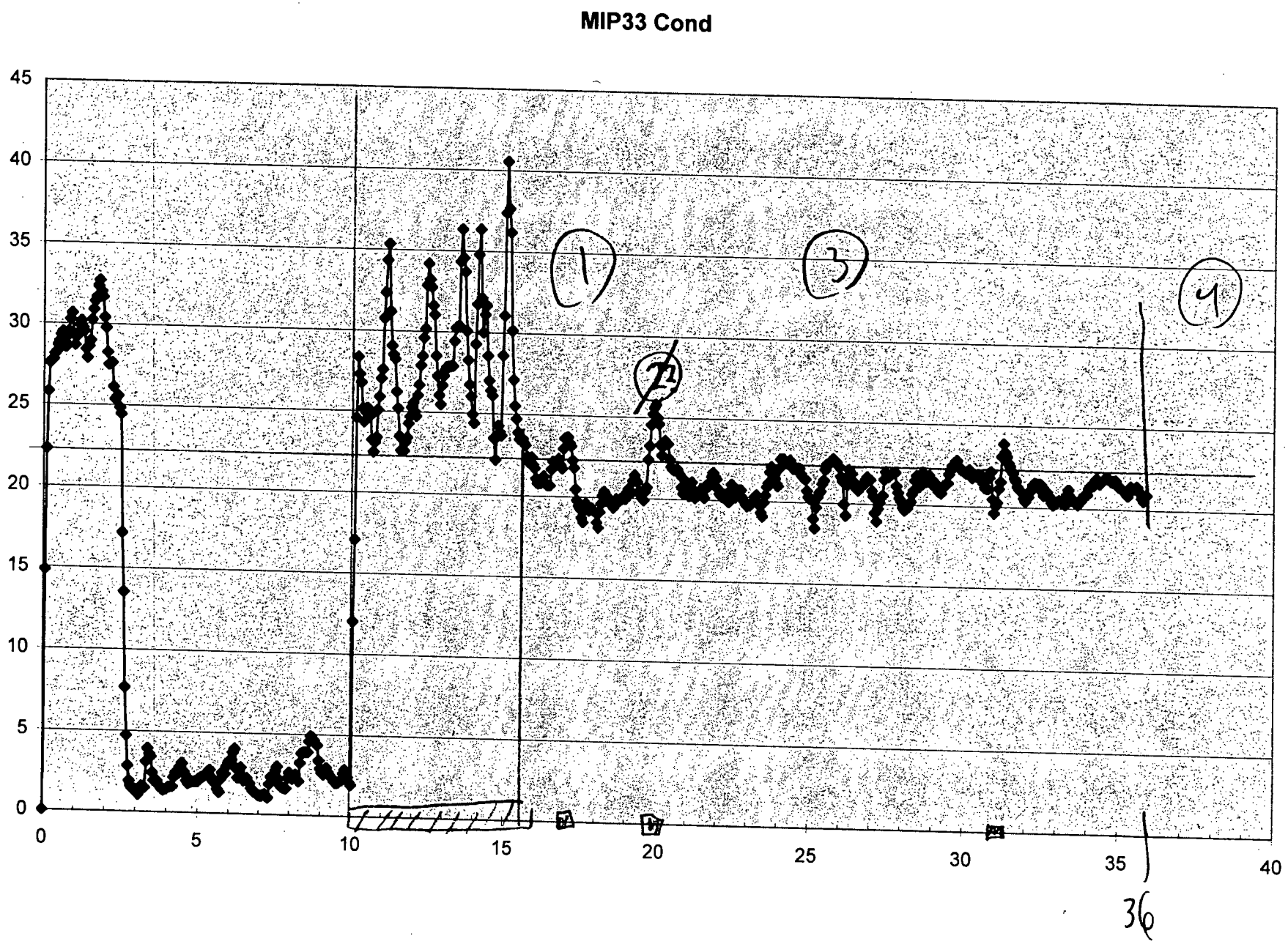


48

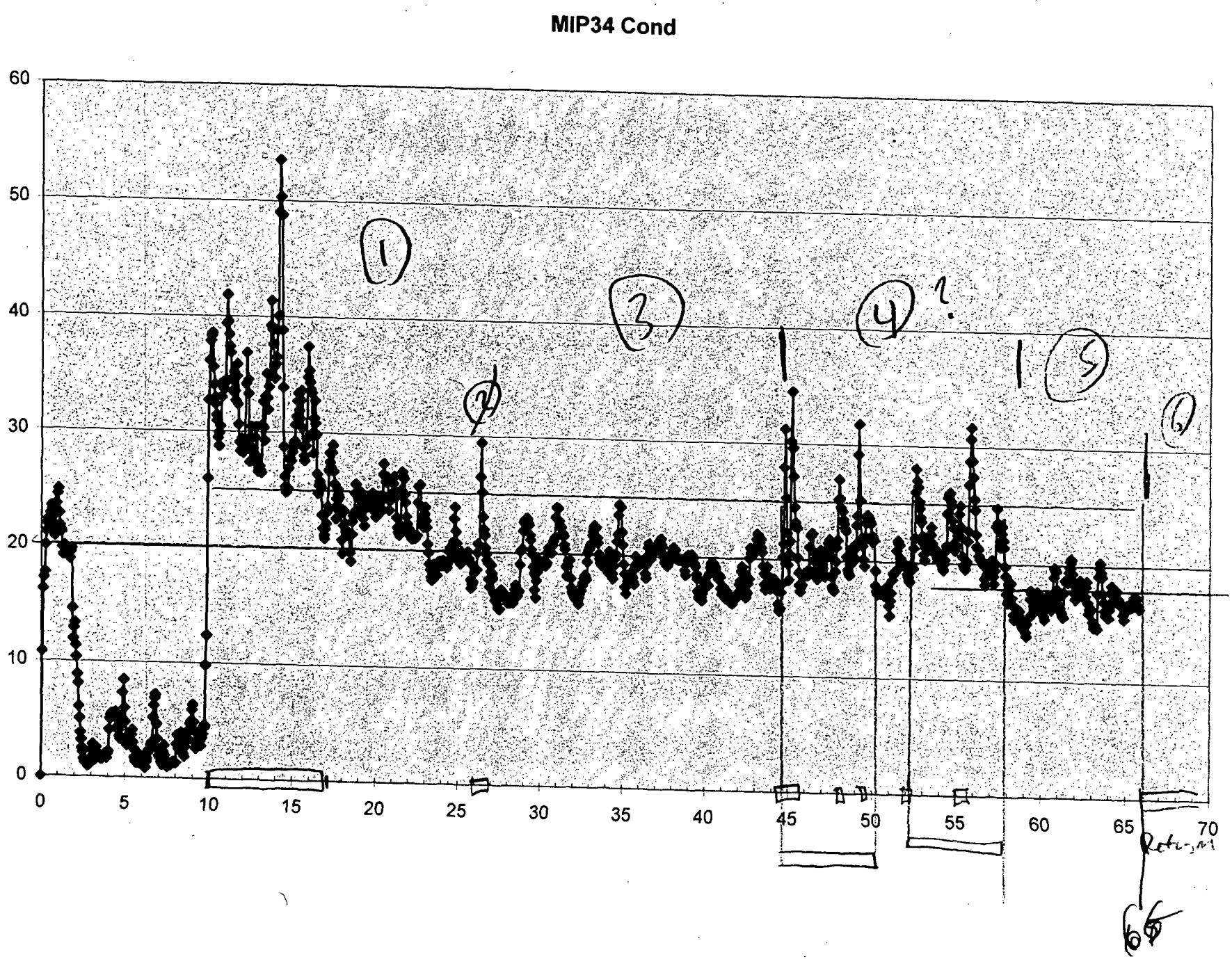

MIP28 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
1
2
3
4
5
6 ?
26
24-27
66

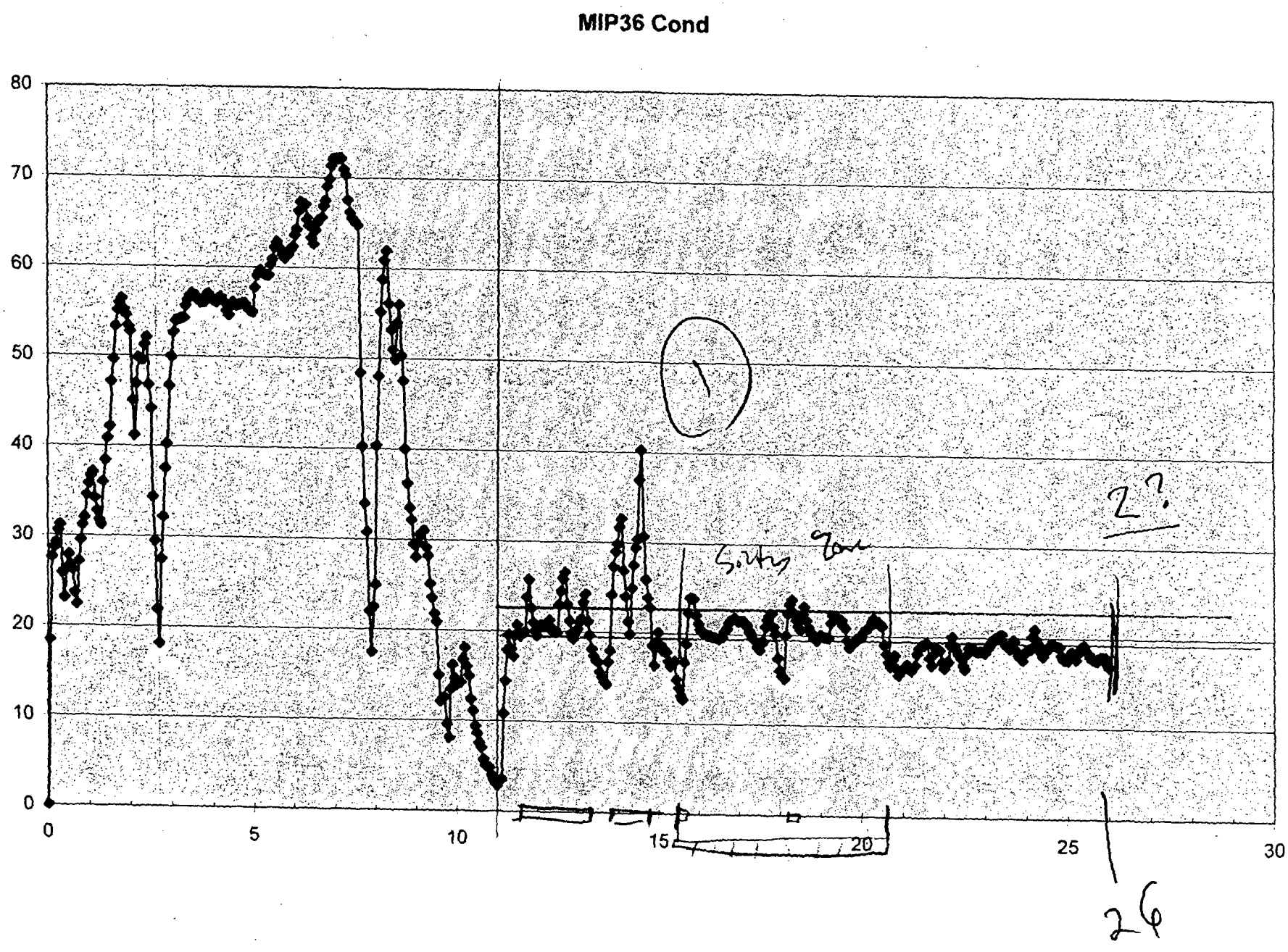

MIP30 Cond
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
1
2
3
4
31-32
2b
48
4

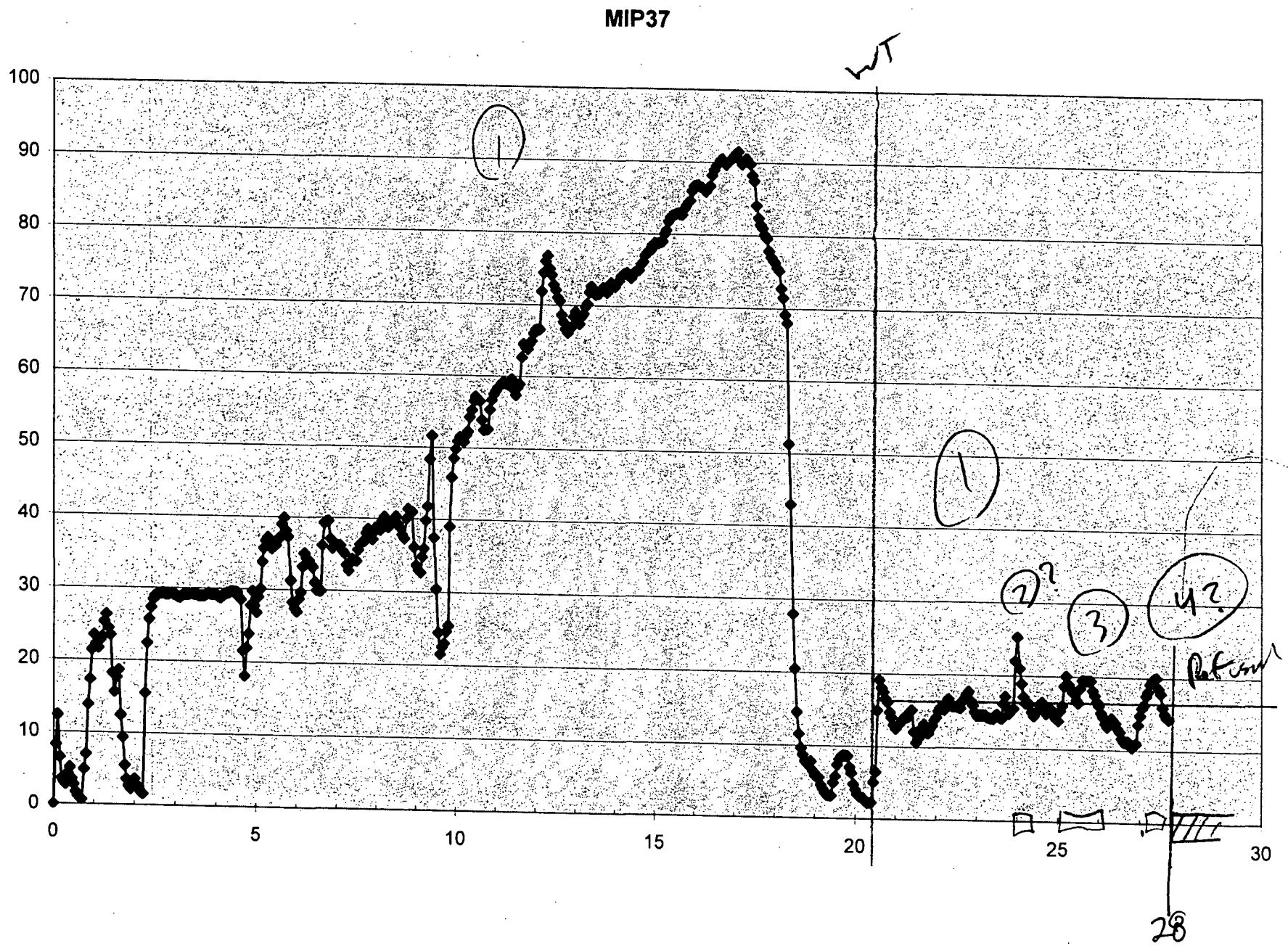

MIP31 Cond
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
1
2
3
4 ?
?
WT
13-14
29
41


MIP33 Cond
45
40
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
35
40
1
2
3
4
36

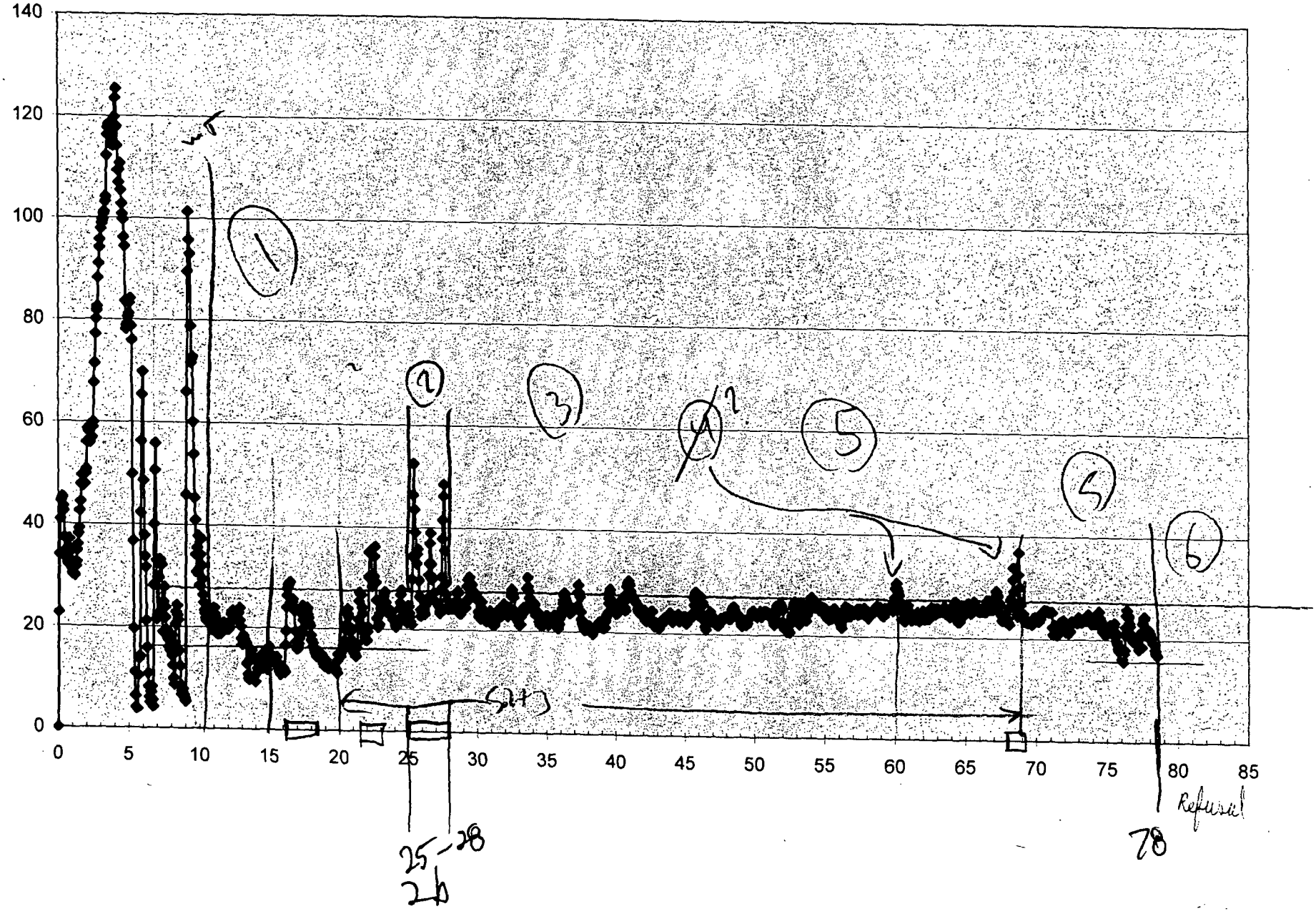
MIP34 Cond

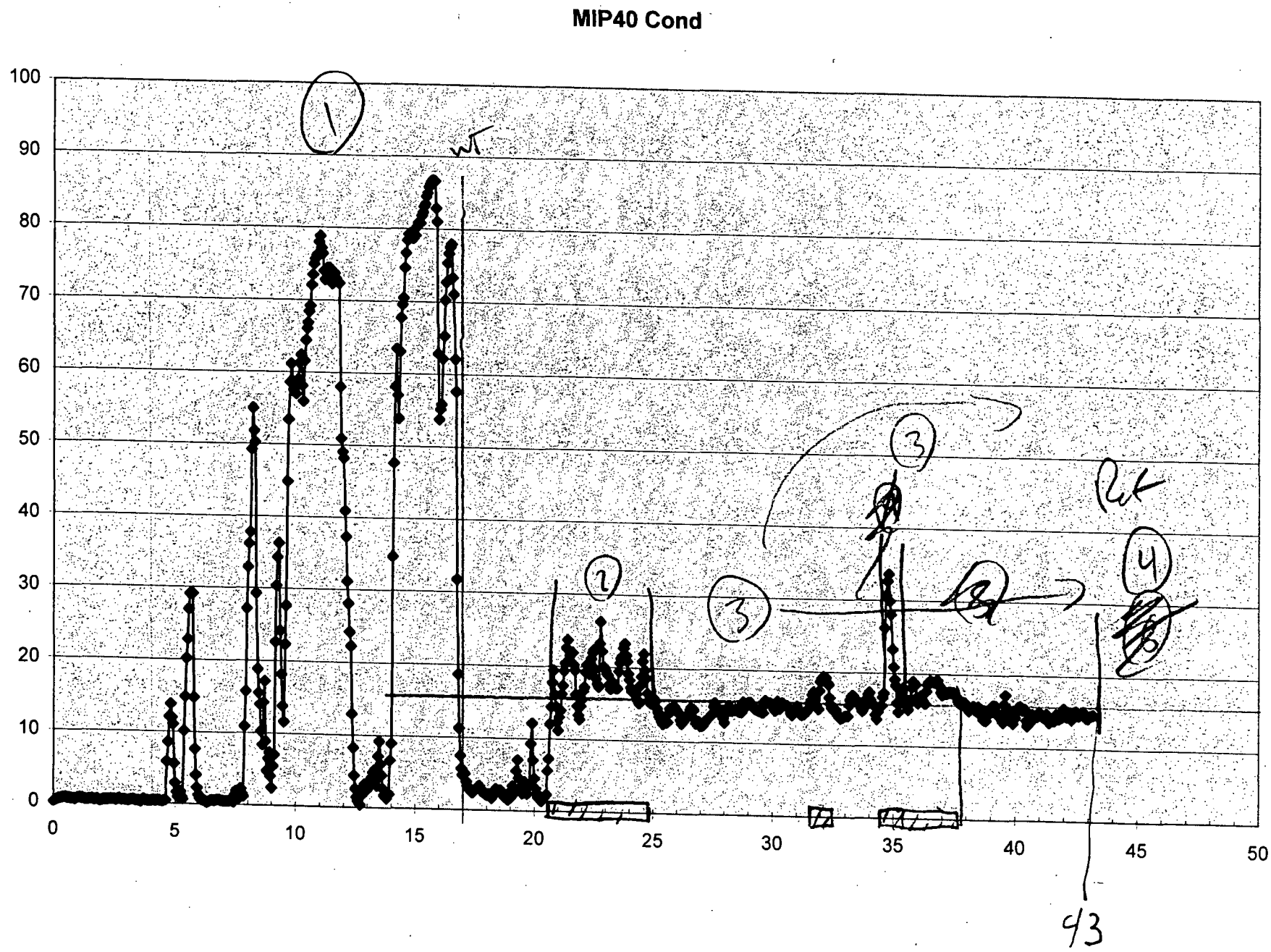


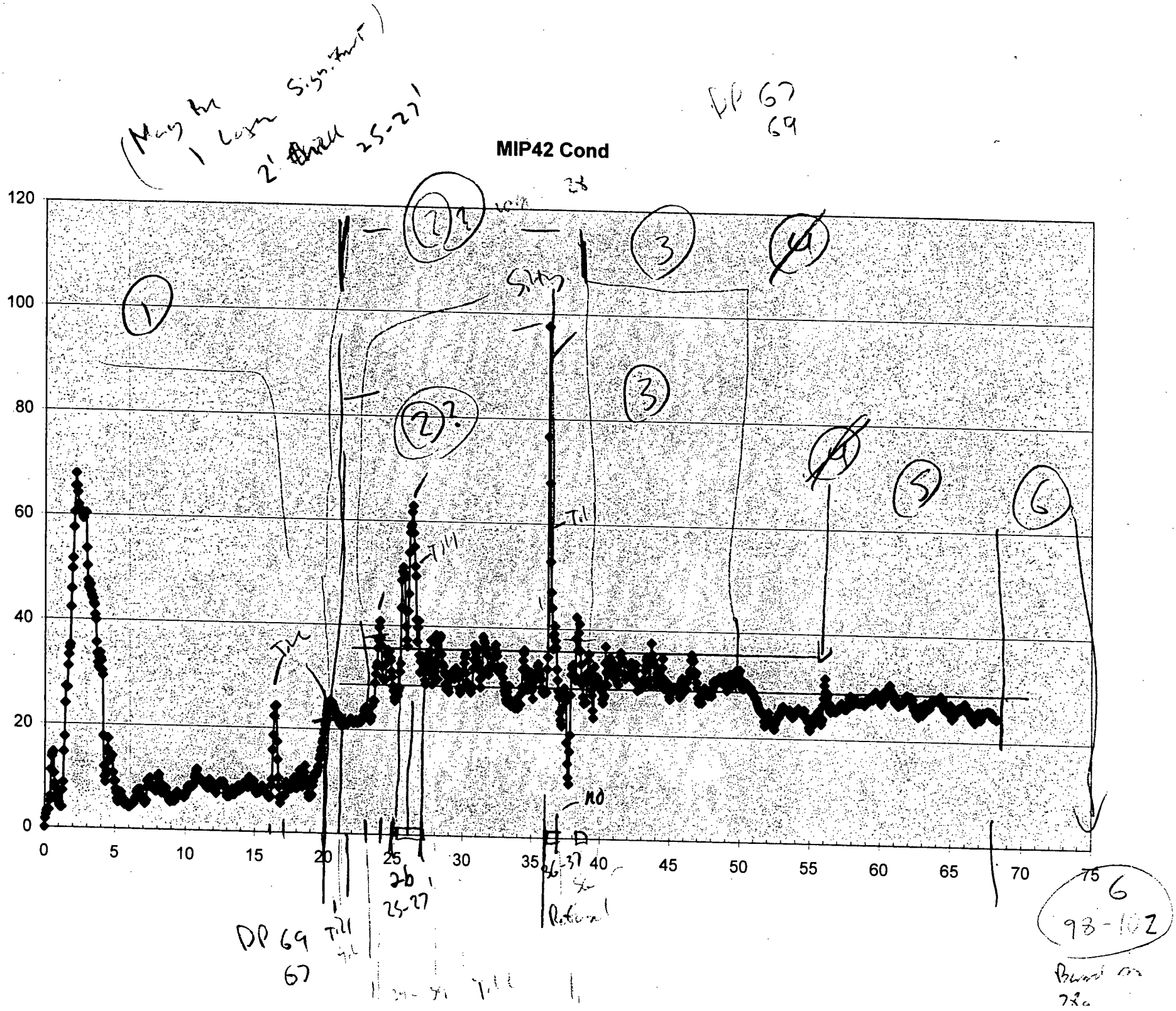

MIP36 Cond
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
1
2?
26

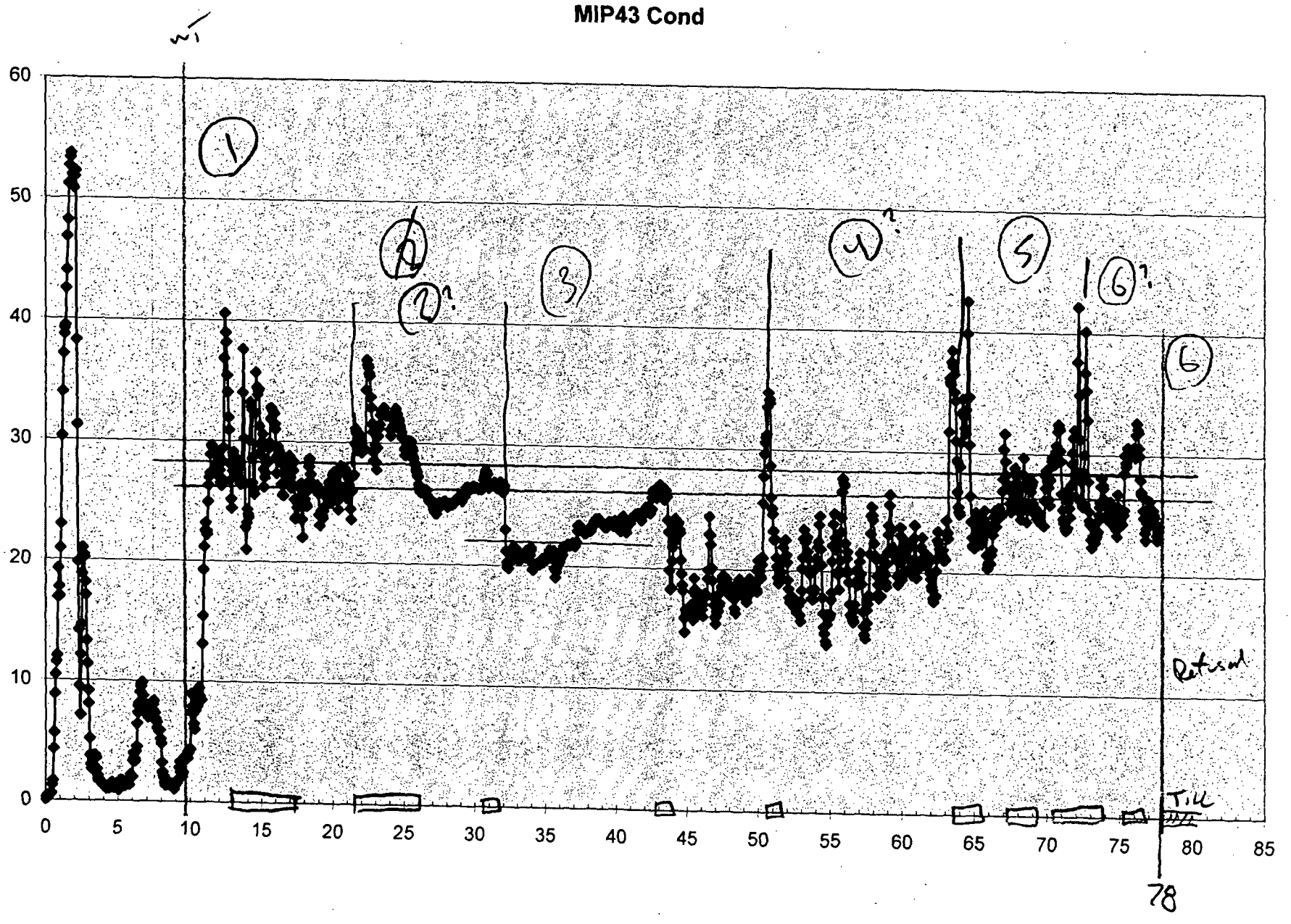

MIP37
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
WT
1
1
2?
3
4?
28

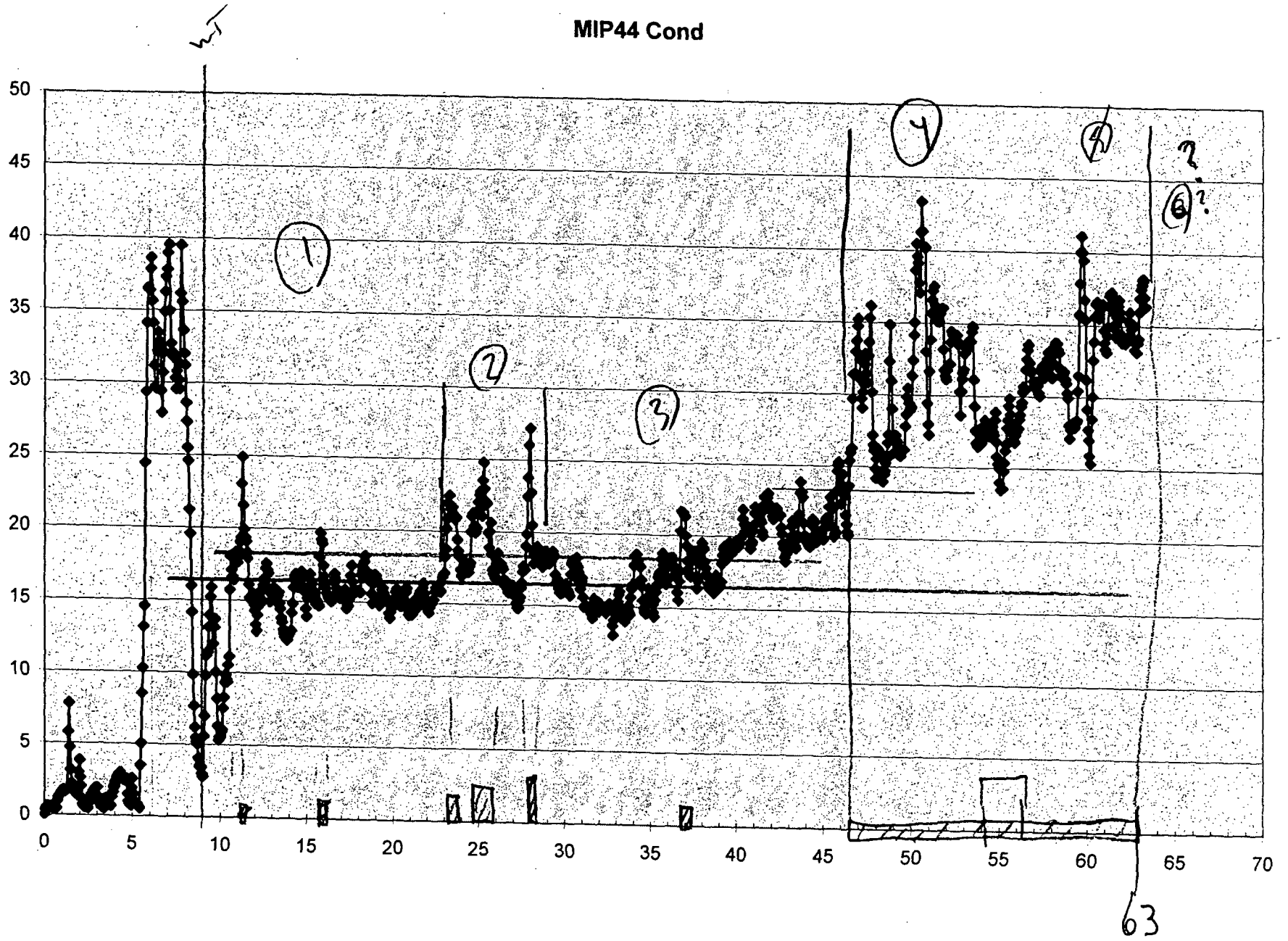
MIP39 Cond

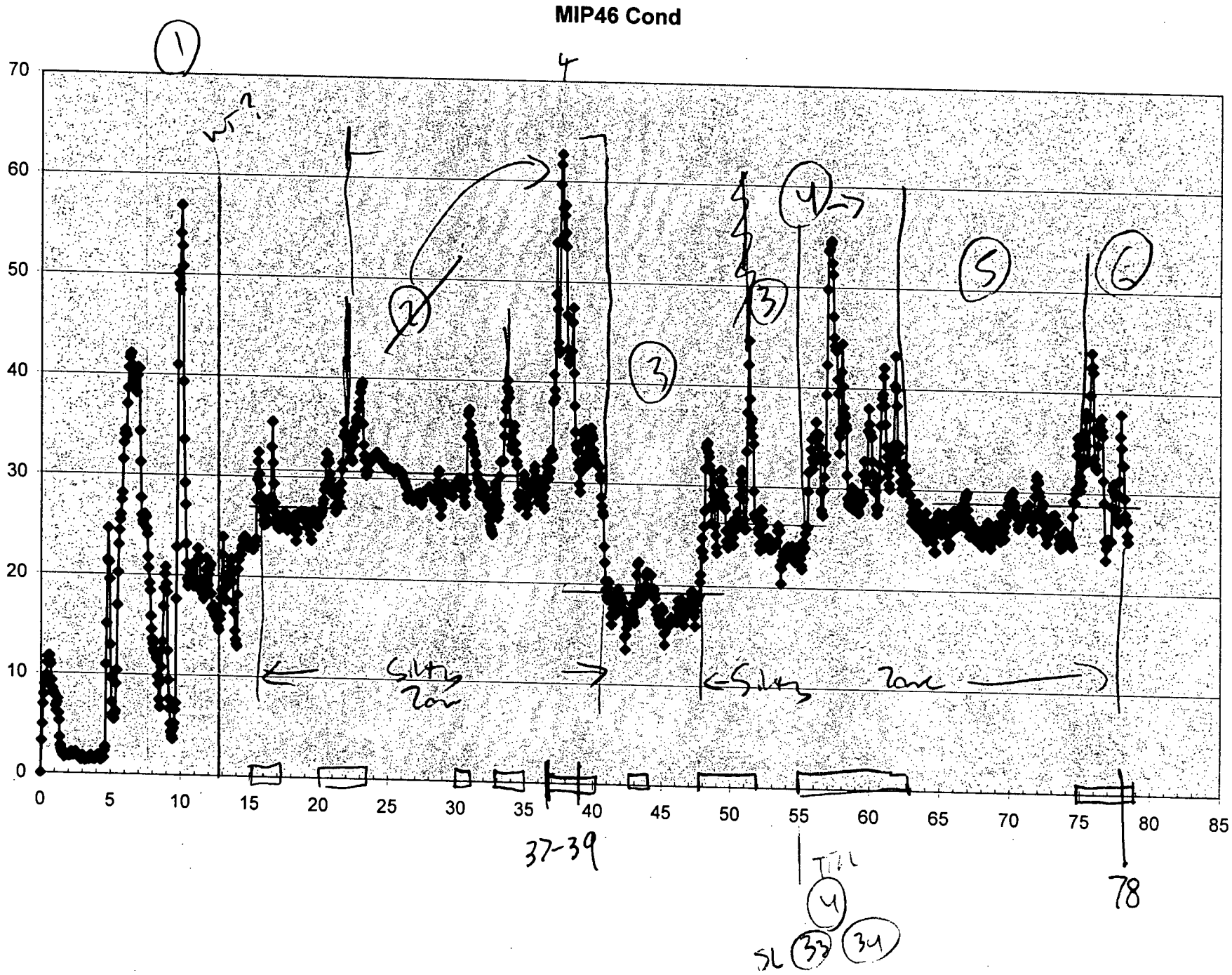

140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
Refusal
25-28
26
78

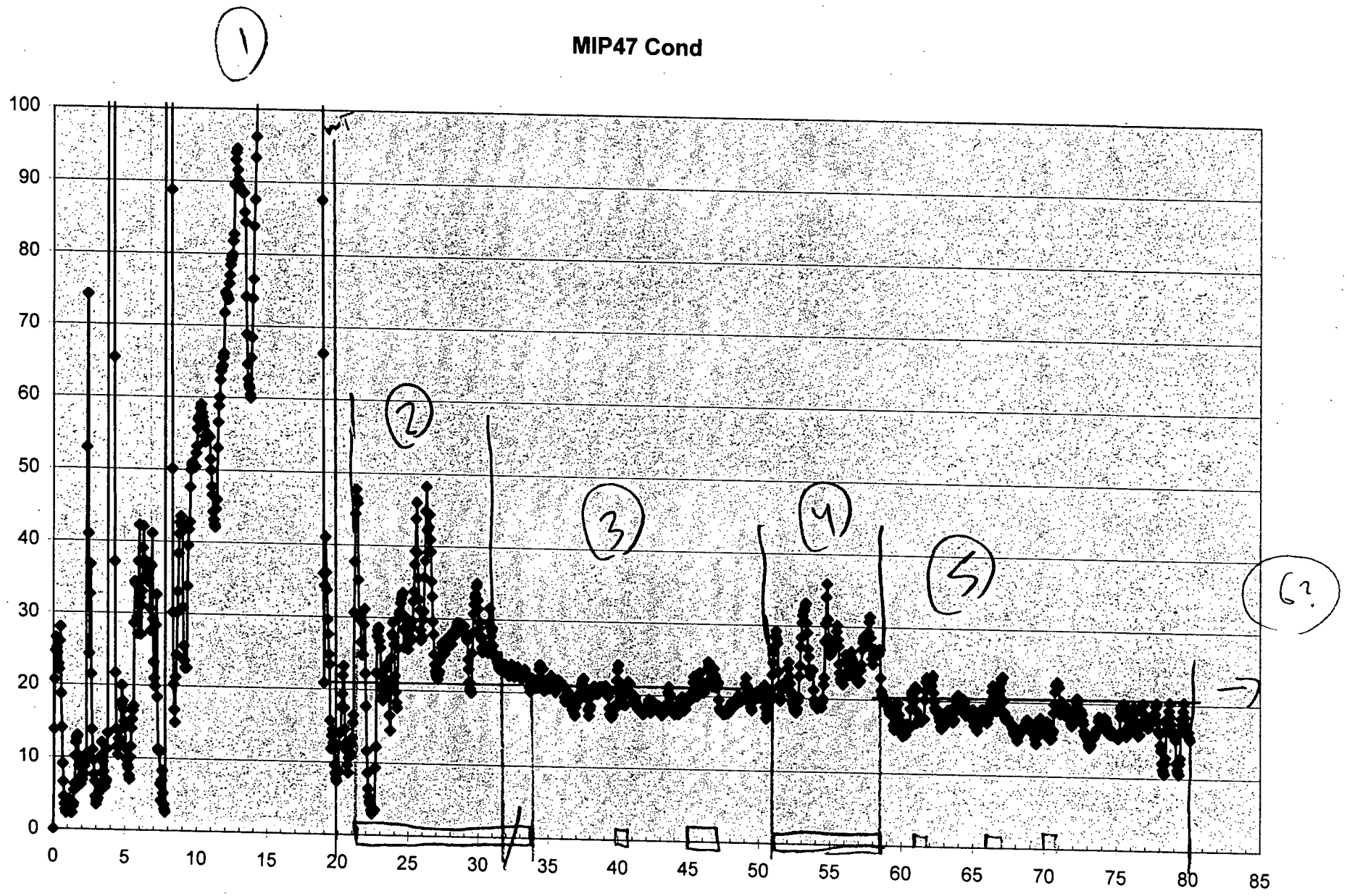

MIP40 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
1
2
3
3
4
43

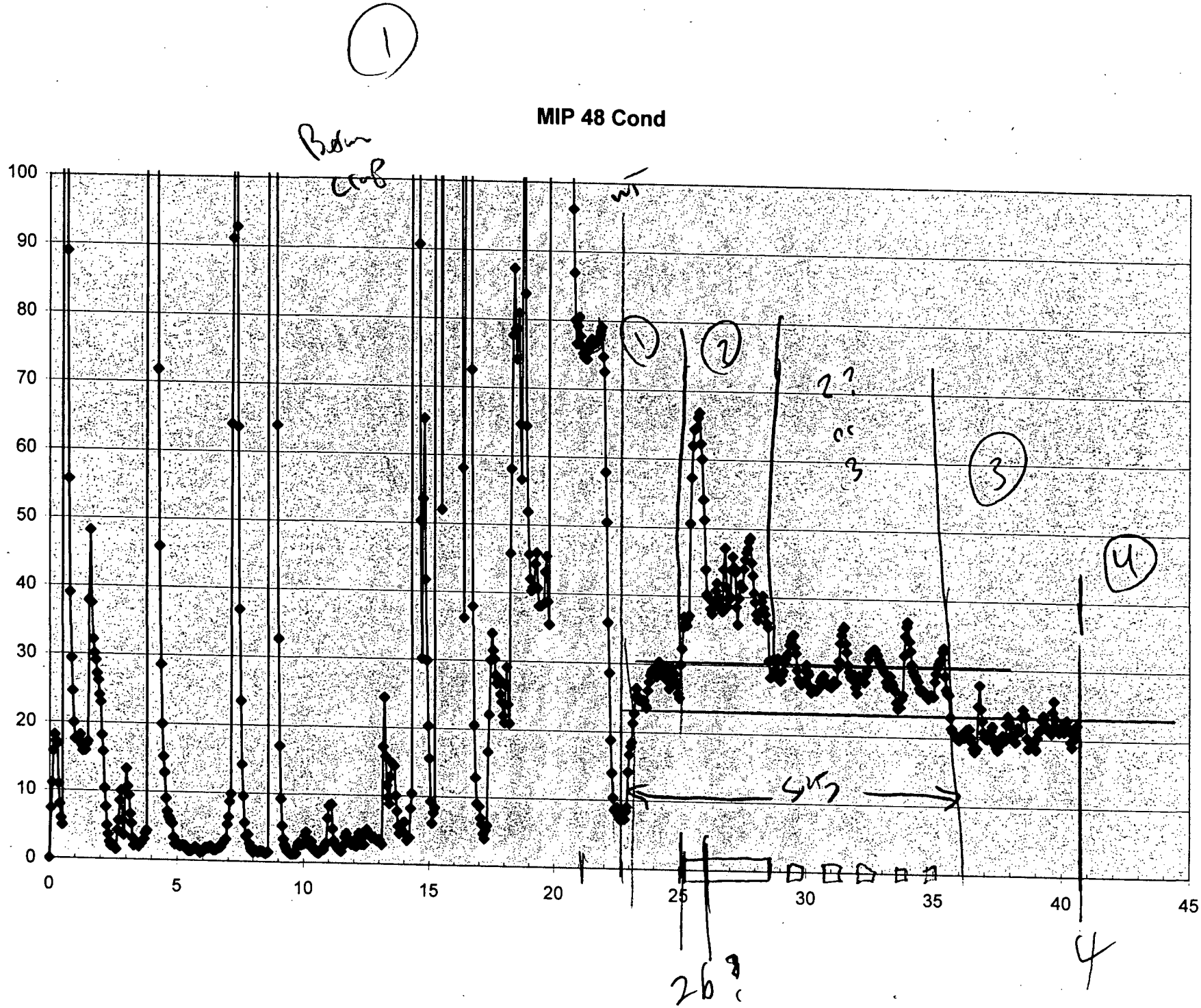

MIP42 Cond
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
Silty
Till
Till
Till
no
Refusal
DP 67
69
DP 69
67
Till
2b
25-27'
6
98-102


MIP43 Cond
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
78
1
2?
3
4?
5
6?
6
Refusal
Till

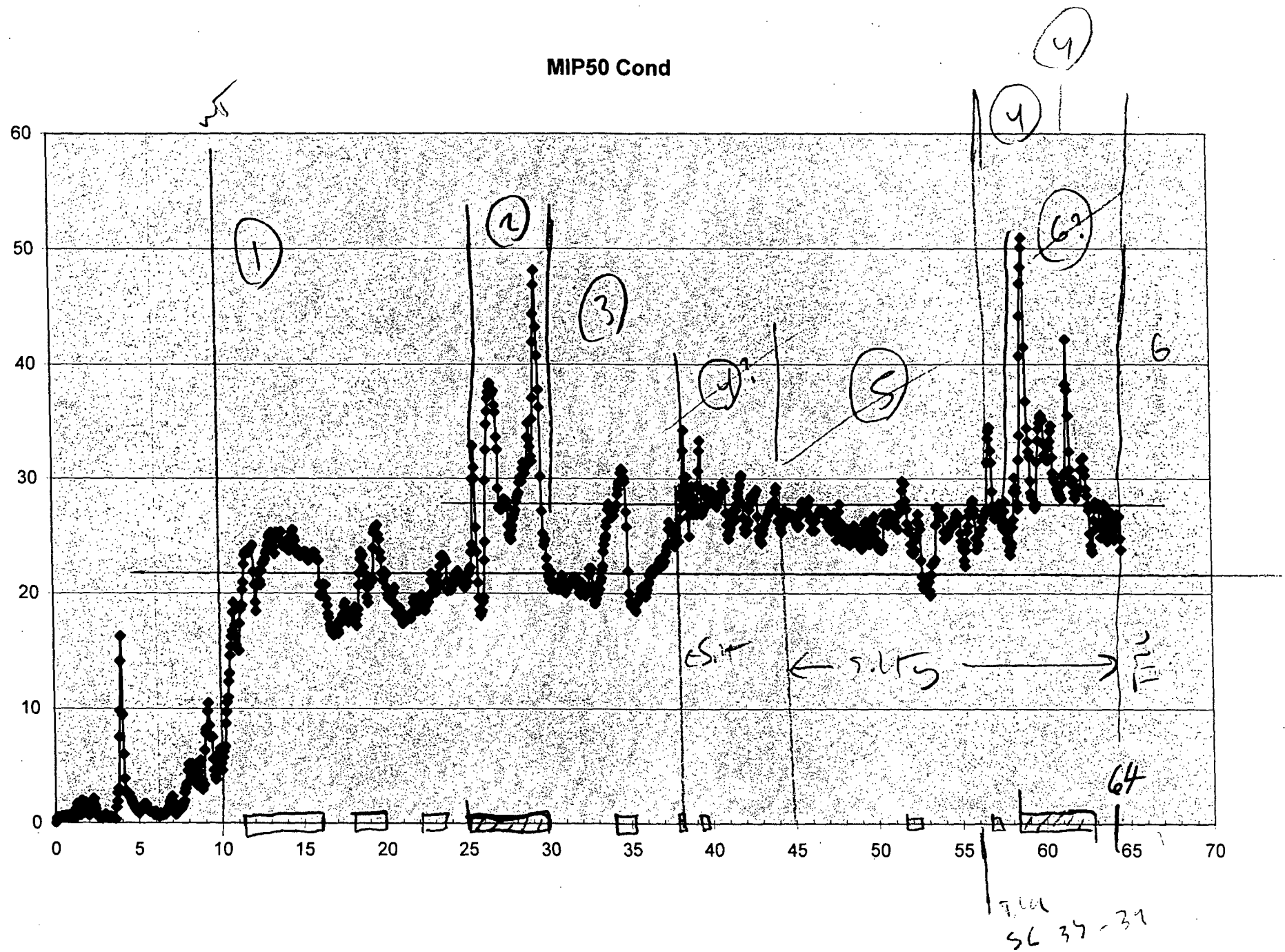

MIP44 Cond
50
45
40
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
1
2
3
4
5
?
6?
63

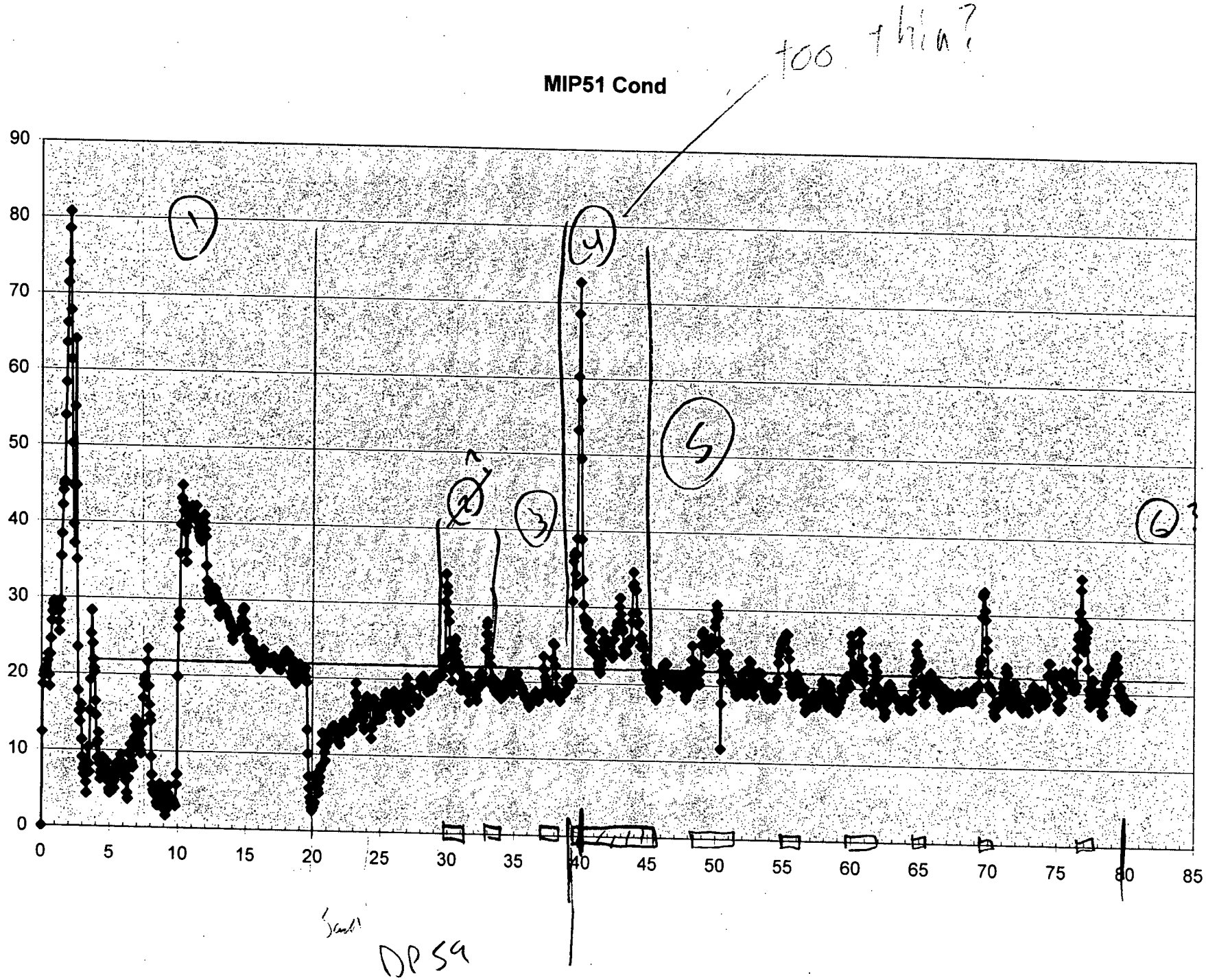

MIP46 Cond
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
37-39
78
SL

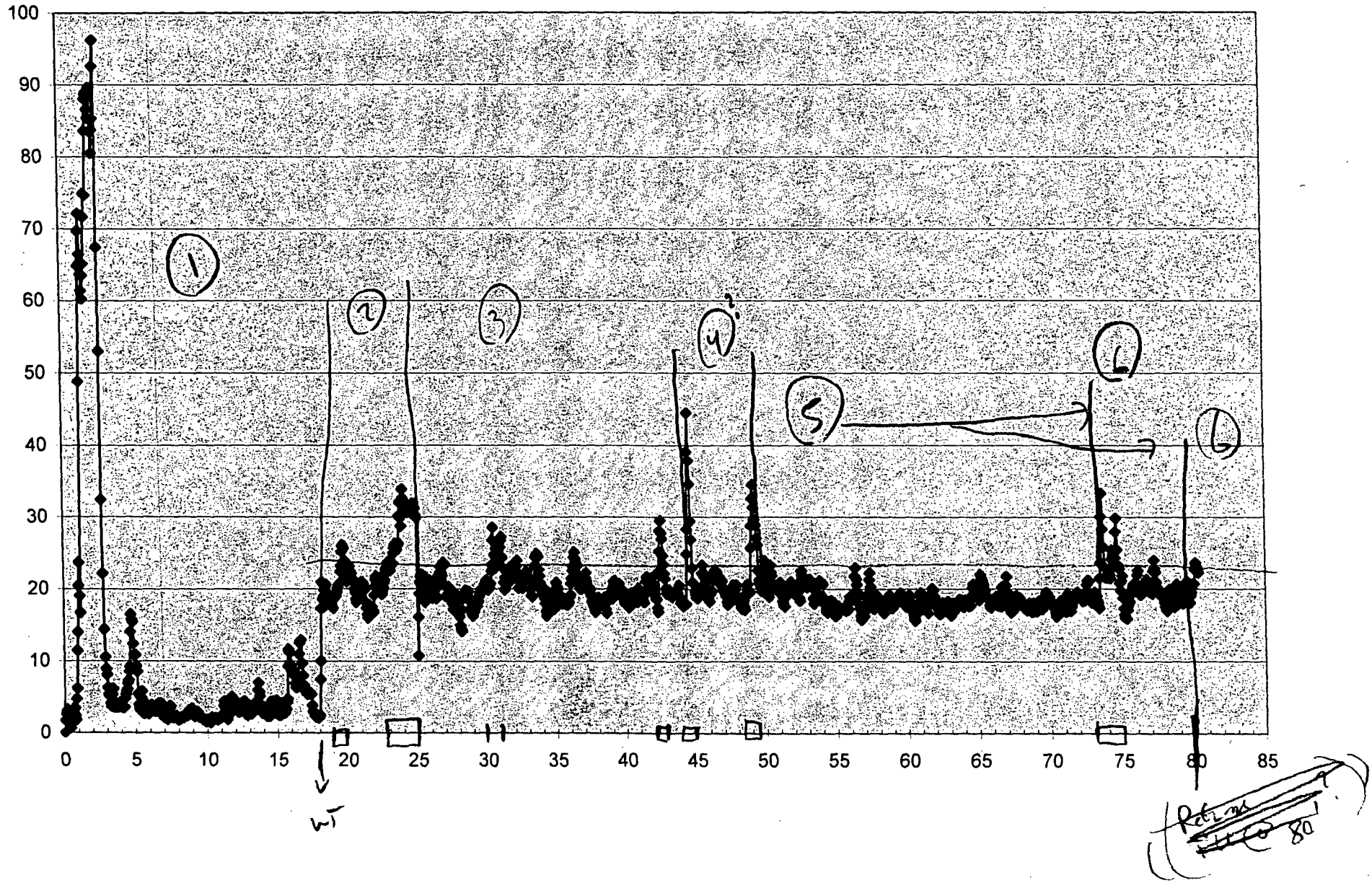

MIP47 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
1
2
3
4
5
6?

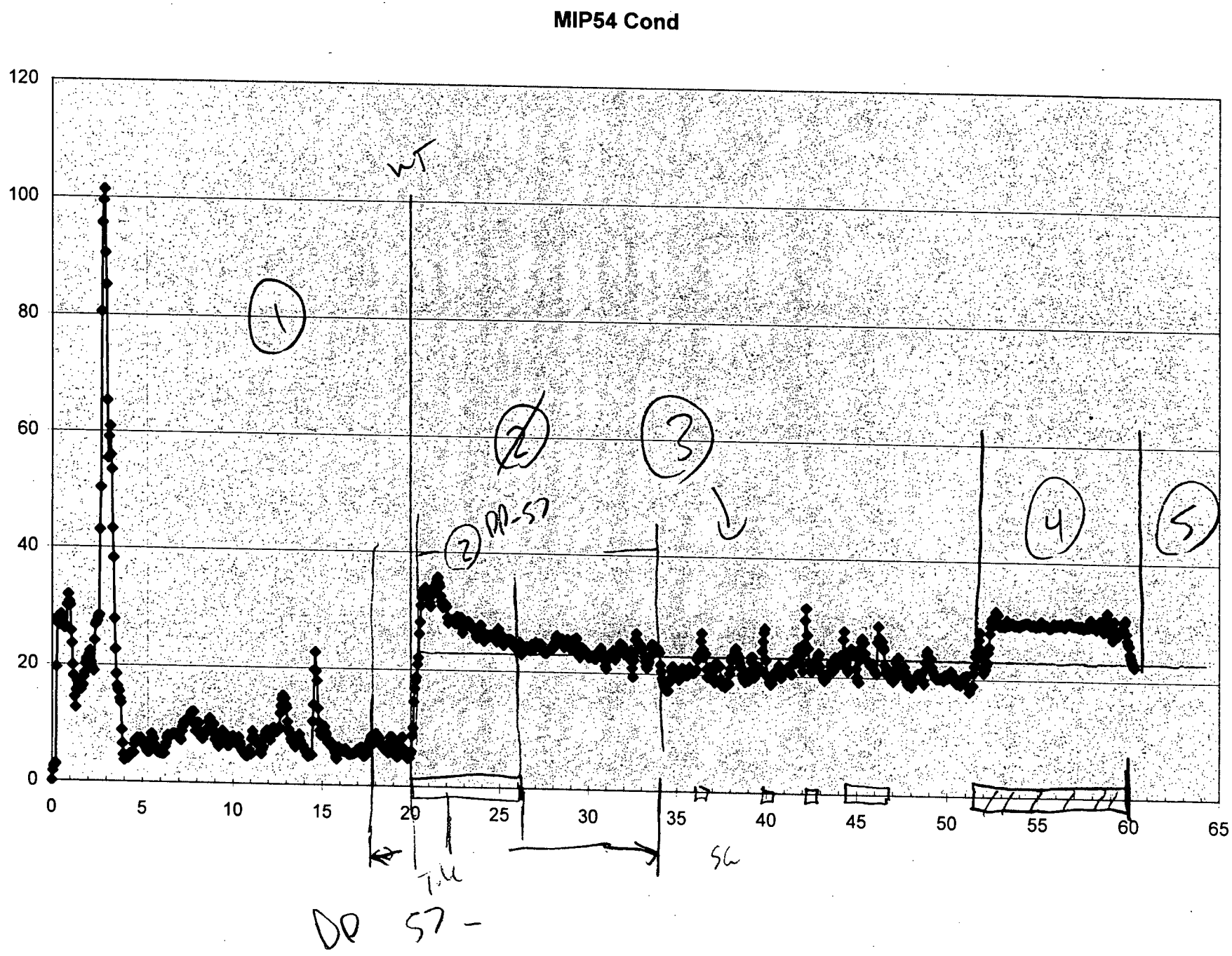


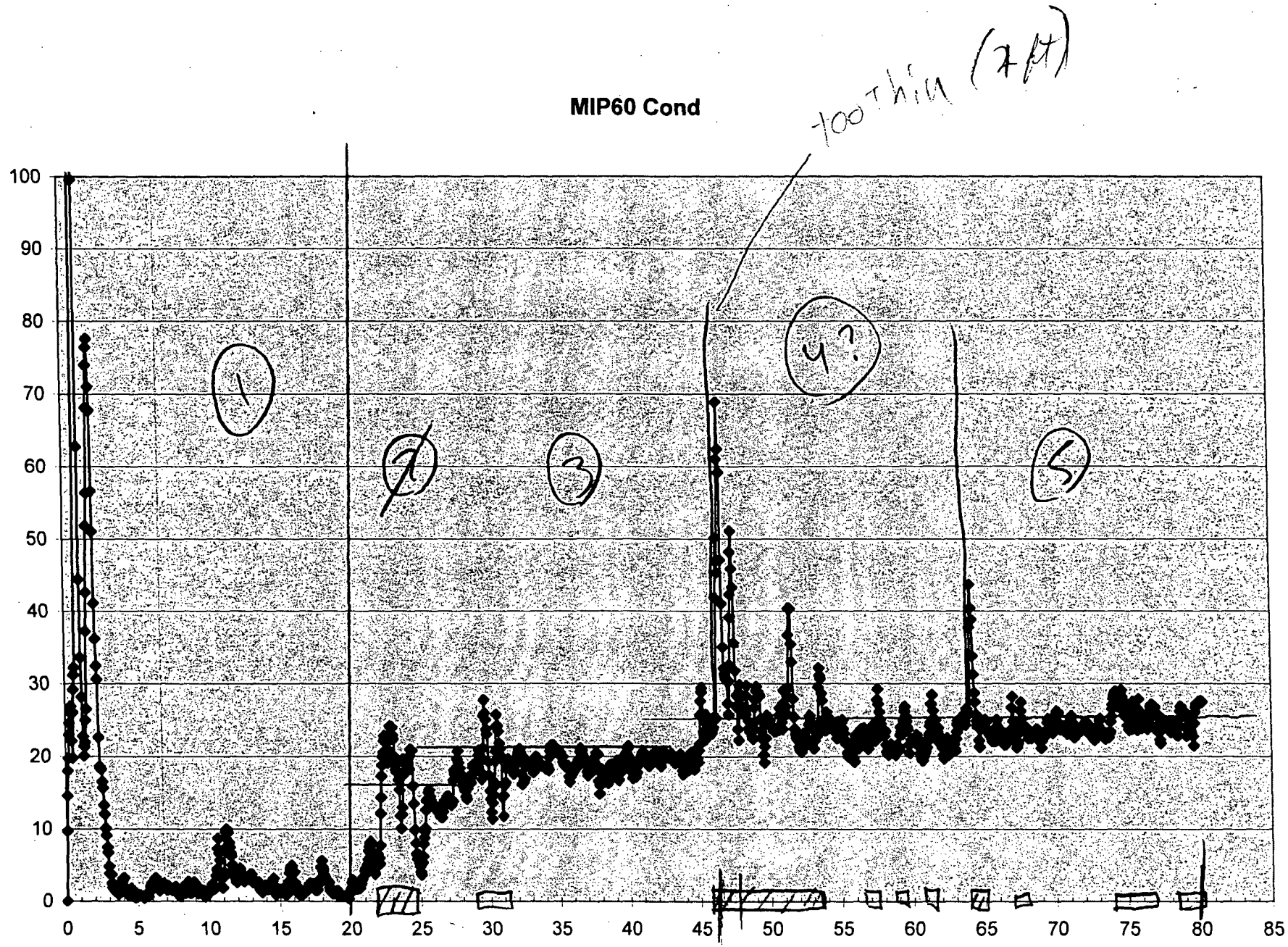
MIP 48 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
1
2
3
4
2?
or
3
26?
4


MIP50 Cond
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
1
2
3
4?
5
4
4
6?
6
64
ESIT
SILTY
SC 37-39


MIP51 Cond
too thin?
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
1
2
3
4
5
6
DP59


MIP52 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
1
2
3
4
5
6
WT

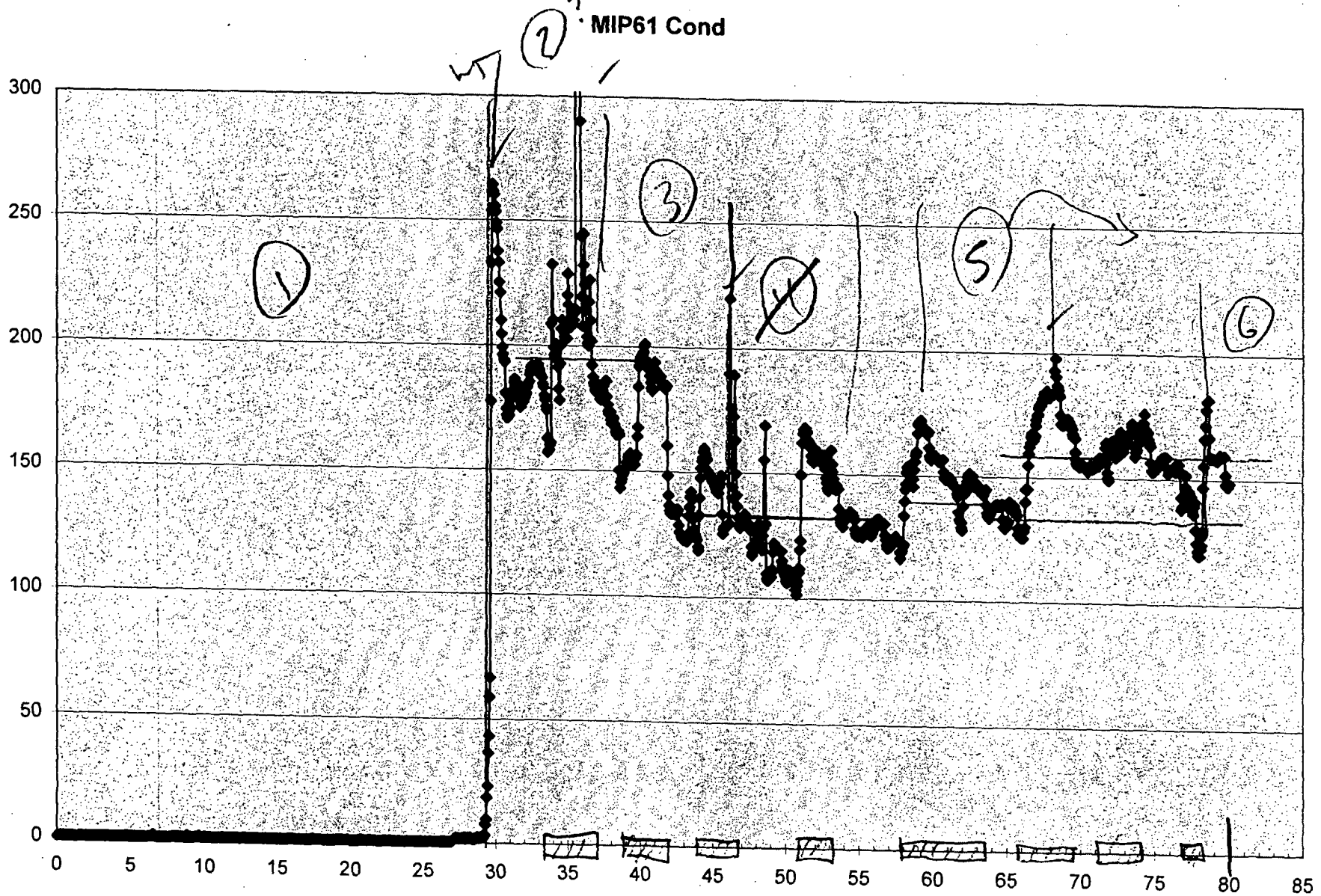

MIP54 Cond
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
WT
1
2
3
4
5
2 DP-57
DP 57 -

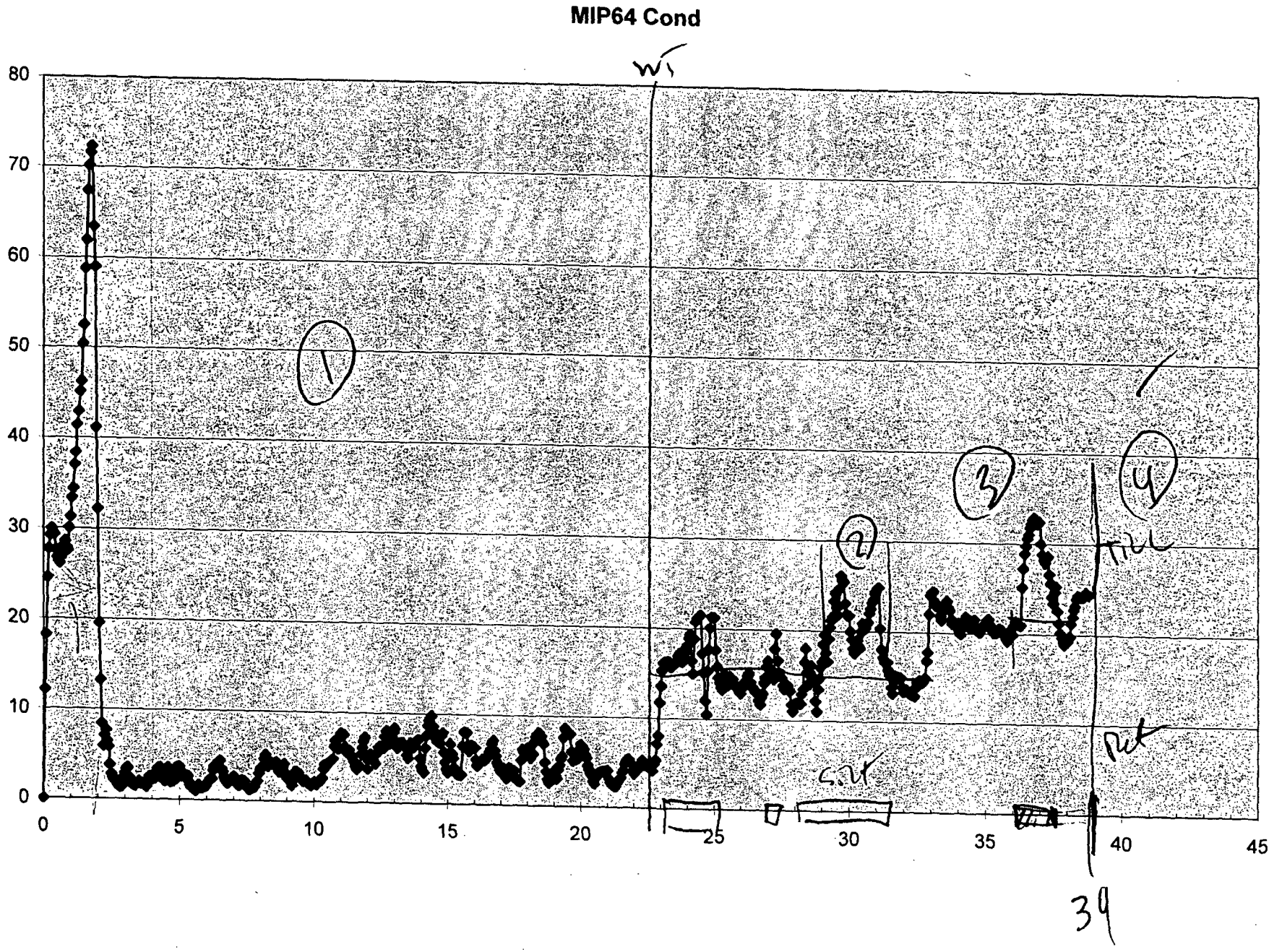

MIP60 Cond
too thin (7ft)
1
2
3
4?
5
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85

46-48

screwed up

toss




MIP64 Cond
80
70
60
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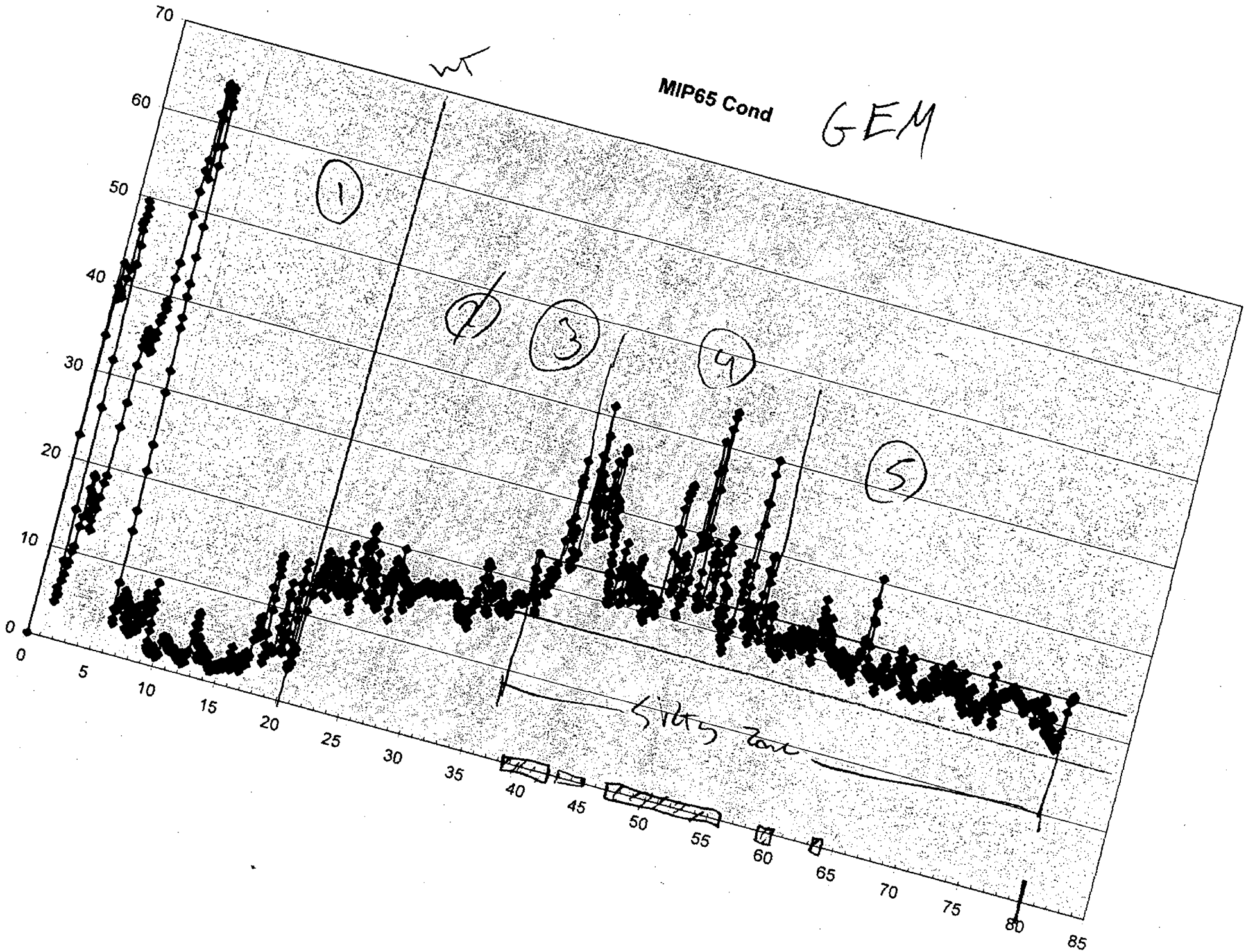
0
0
5
10
15
20
25
30
35
40
45
1
2
3
4
39


MIP65 Cond
GEM
1
2
3
4
5
silty zone
0
10
20
30
40
50
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70
0
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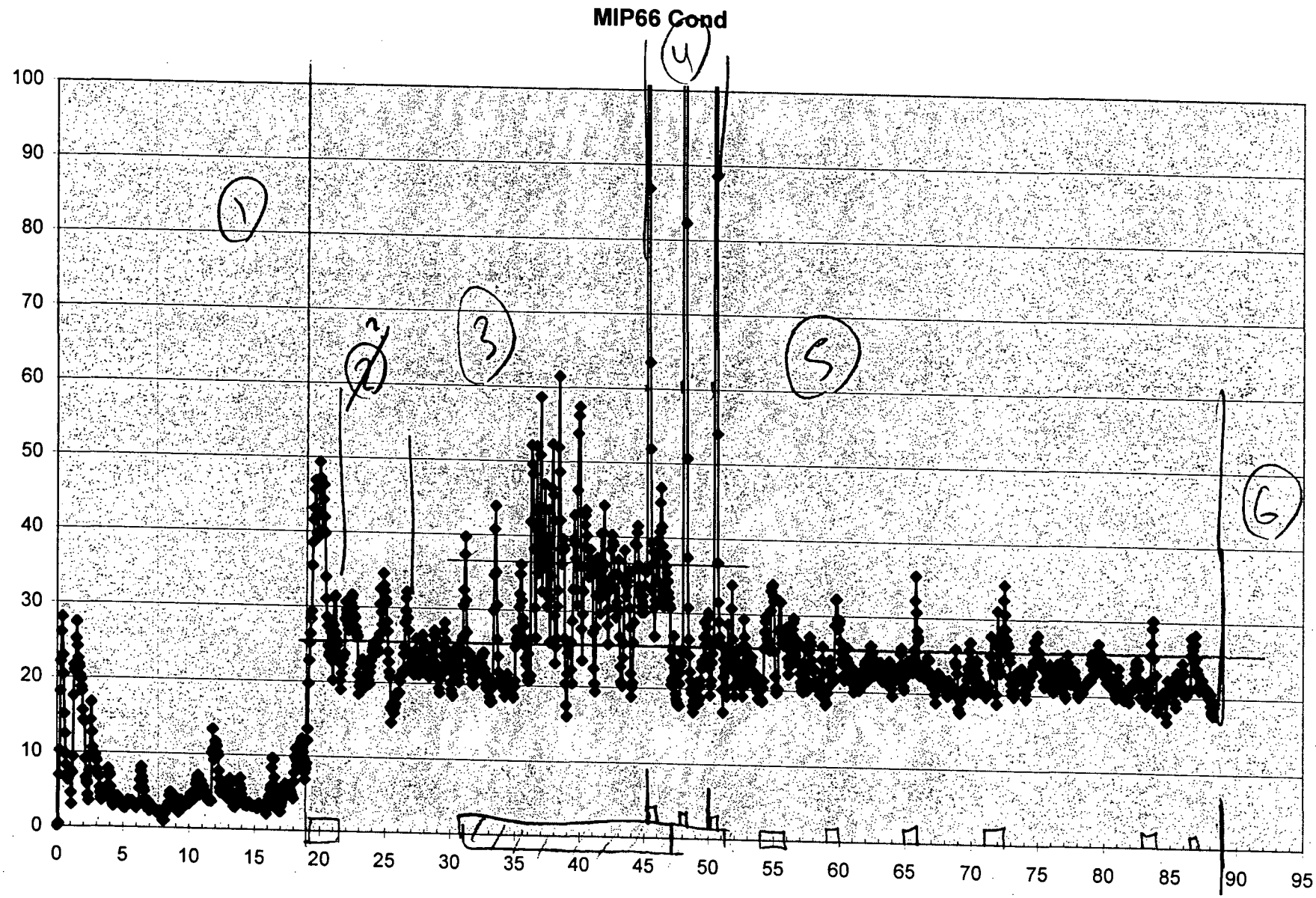
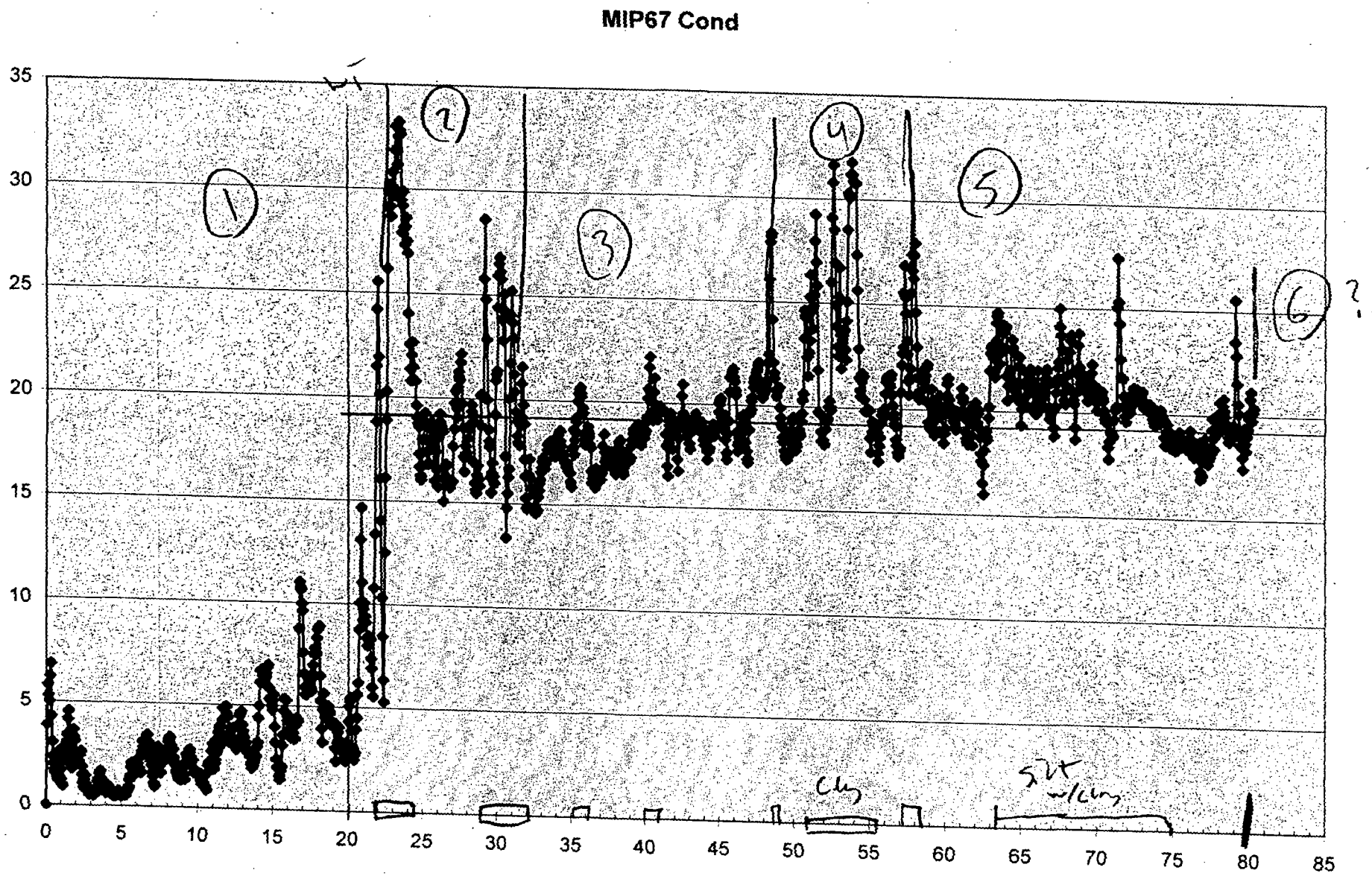
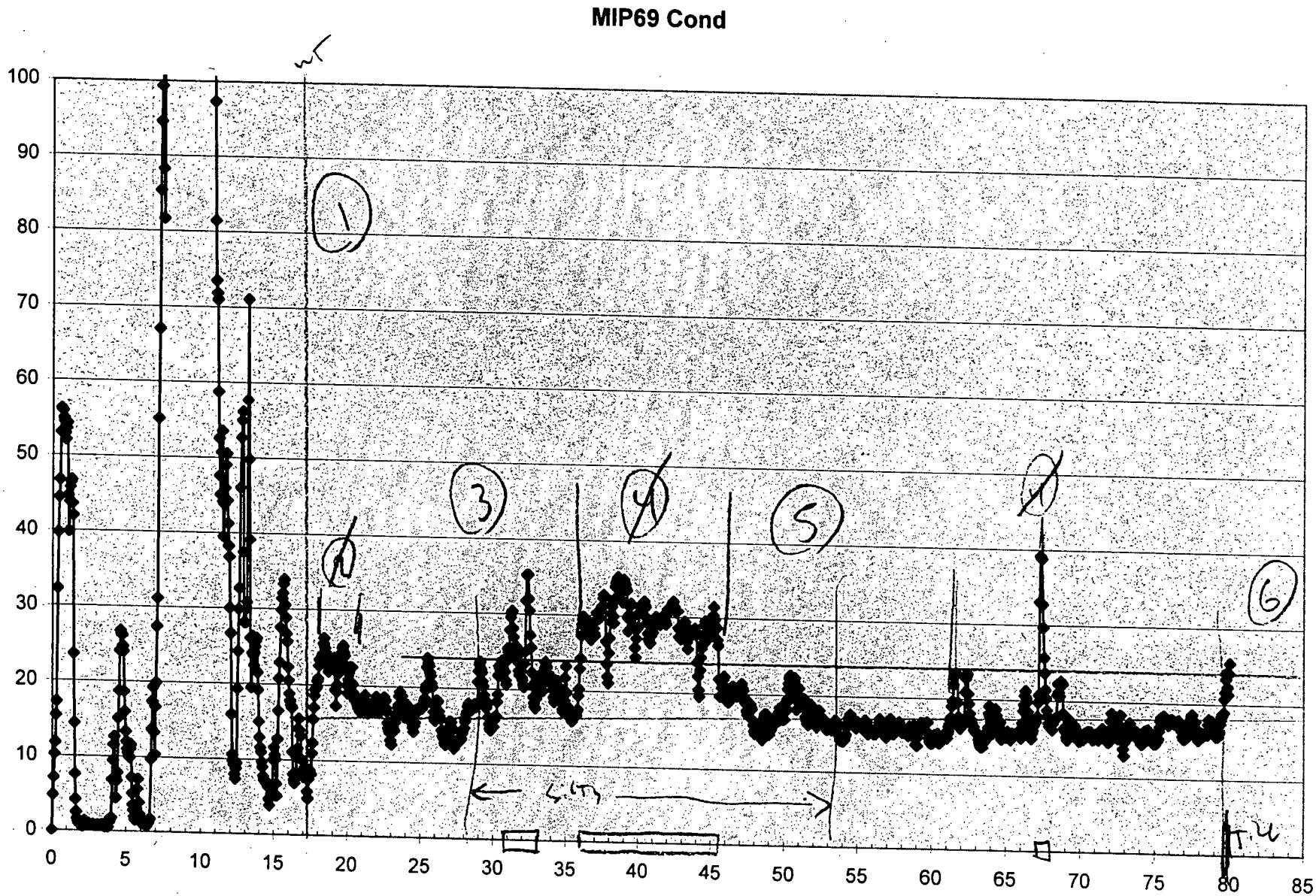
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85


MIP66 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
1
2
3
4
5
6


MIP67 Cond
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
1
2
3
4
5
6
?
Clay
Silt w/clay


MIP69 Cond
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
1
3
4
5
6

Act 10160 4173395405 Grp # 876537

DAIMLERCHRYSLER — Chain-of-Custody

3897 B

Dayton Thermal

Lancaster Laboratories	Project Name: DCX-BEHR, DAYTON	Consultant: Earth Tech	
2425 New Holland Pike	Site Location: Dayton, Ohio	Address: 4135 Technology PKWY	
Lancaster, PA 17601	Site Code:	Sheboygan, WI 53083	
Phone Number: (717) 656-2300	RFA Number: ~~ETO3085~~ ETO3074	Consultant PM Rob Stenson	
Fax Number: (717) 656-2681	DaimlerChrysler PM: Gary Stanzik	Phone: 920 458 8711 Fax: 458-0550	

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs. BO
~~7 calendar days~~
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative: 9341 Tedlar

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	9341 Tedlar	Remarks
North Bank 1	11/25	0810	G	~~A~~	2	✓	Vac Press @ Sampling = -3" Hg
North Bank 2	11/25	0823	G	~~A~~	2	✓	" -2.5 "
North Bank 3	11/25	0840	G	A	2	✓	" -3 "
North Bank 4	11/25	0855	G	A	1	✓	" -4.3 "
North Bank 5	11/25	0910	G	A	1	✓	" -5.5 "
North Bank 6	11/25	8AM	G	A	2	✓	" -3.2 "
				Air Samples			

Sampler(s): Bryan Dayton

Cooler ID # C06006

Samples Relinquished under Airbill No. 841756803071

Temperature (corrected) N/A

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Bryan Dayton	11-25-03	4PM				Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Binkley	Date: 11-26-03	Time: 0935	Custody Seal Intact? Yes No

Is RFA sampling complete? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

EPA Region 5 Records Ctr. 349891

Revision No. 3
Created: July 9, 1999

DIRECTIONS FOR COMPLETING THE DAIMLERCHRYSLER CORPORATION CHAIN-OF-CUSTODY

Project Name: Site or project name from where samples are collected.
Site Location: City and state of project.
Site Code: Specified DaimlerChrysler site code relating to this project.
RFA Number: Specified RFA number under which these samples were collected and analyzed.
DaimlerChrysler PM: The name of the project manager responsible for work performed on this site.
Consultant: Name of primary consulting organization.
Address: Name of organization and address.
Consultant PM: The name of consultant's project manager who is to receive the analytical results/data packages.
Phone #: Phone number of the project manager.
Fax #: Facsimile number of the project manager.

Turn-around Time: Circle the TAT required for the samples.
Data Deliverables: Circle the data deliverable level required.

Sample Identification: Indicate the unique sample identification to appear on the analytical report. If collection of site-specific MS/MSD is required these samples must be specified by the sampler.

Date Collected: Enter the date of sample collection in (mm/dd/yy) format.

Time Collected: Enter the time of sample collection in military hour format.
Note: The date and time of collection for trip blanks should be entered as the date and time that the first volatile investigatory sample was collected and placed in the sample cooler.

Grab (G) or Composite (C): Enter a "G" for grab if the sample was taken from a discrete location or depth. Enter a "C" if the sample was taken from multiple locations or depths and homogenized prior to sampling.

Matrix Code: Enter the type of sample submitted using the matrix codes listed on the front of the Chain-of-Custody.

Number of Containers: Indicate the total number of containers submitted for each sampling point.

Compound List/Parameter and Analytical Method Requested: Enter the list of compounds requested (i.e., volatiles) or parameter, the analytical method by which the sample is to be analyzed, the bottle type, and preservative used (if any).

Remarks: List special instructions about the samples (i.e., high levels of analytes, hazardous elements expected, etc.).

Sampler(s): Print the name(s) of the person(s) who collected the samples.

Cooler ID#: List the cooler number which contains the samples listed on the COC.

Airbill No.: Enter the airbill number under which the samples are submitted to the laboratory.

Relinquished by/Received by: The Chain-of-Custody must be signed <u>each</u> <u>time</u> the sample changes hands. Since custody seals will be placed on the outside of the cooler, the carrier's airbill will serve as documentation of custody and will not require a signature from the carrier on the Chain-of-Custody.

Cooler Temperature (LAB USE ONLY): The laboratory is required to measure the internal temperature of the sample cooler upon receipt by use of a temperature blank submitted with each cooler. The true temperature (inclusive of any calibration correction factors) is reported in degrees Celsius.

Custody Seals Intact: Field personnel are required to place custody seals on all coolers prior to sample shipment. The laboratory is required to verify the integrity of the samples upon laboratory receipt. Personnel should circle the appropriate response.

Page __ of ____: Specify the number and total number of Chain-of-Custody forms relating to this shipment of samples.

Acct 10160 #4173395-405-896

DAIMLERCHRYSLER

Chain-of-Custody

3896 B

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17601 Phone Number: (717) 656-2300 Fax Number: (717) 656-2681	Project Name: Dayton Thermal Site Location: Dayton, Ohio Site Code: RFA Number: ET03074 DaimlerChrysler PM: Gary Stenzik	Consultant: Earth Tech Address: 4135 Technology Pkwy Sheboygan, WI 53083 Consultant PM: Rob Stenson Phone: 920-458-8711 Fax: 458-0550

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
~~7 calendar days~~ 80
14 calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative: 934/ Tedlar

Matrix Codes
S - Soil; SW - Surface Water; GW - Groundwater; A - Air; Sed. - Sediment; O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	934/ Tedlar	Remarks
South E-H	11/25	11:11	G	A	2	✓	Vac Press @ Sampling = -3" Hg
South E-B+G	11/25	11:30	G	A	2	✓	" = -2.75
South E-C+D	11/25	11:45	G	A	2	✓	" = -3.0
South E-A+I	11/25	11:59	G	A	2	✓	" = -4.25
South E-E+F	11/25		G	A			"
~~South~~							

Sampler(s): Bryan Dayton	Cooler ID # C06006			Samples Relinquished under Airbill No. 841756803071		Temperature (corrected) N/A
	Relinquished by: Bryan Dayton	Date: 11-25-03	Time: 4 PM	Received by:	Date:	Time:	Custody Seal Intact? Yes No
Is RFA sampling complete? Yes No	Relinquished by:	Date:	Time:	Received for Laboratory by: Kathy Denlay	Date: 11-26	Time: 0935	Custody Seal Intact? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-61, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

Revision No. 3
Created: July 9, 1999

DIRECTIONS FOR COMPLETING THE DAIMLERCHRYSLER CORPORATION CHAIN-OF-CUSTODY

Project Name: Site or project name from where samples are collected.
Site Location: City and state of project.
Site Code: Specified DaimlerChrysler site code relating to this project.
RFA Number: Specified RFA number under which these samples were collected and analyzed.
DaimlerChrysler PM: The name of the project manager responsible for work performed on this site.
Consultant: Name of primary consulting organization.
Address: Name of organization and address.
Consultant PM: The name of consultant's project manager who is to receive the analytical results/data packages.
Phone #: Phone number of the project manager.
Fax #: Facsimile number of the project manager.

Turn-around Time: Circle the TAT required for the samples.
Data Deliverables: Circle the data deliverable level required.

Sample Identification: Indicate the unique sample identification to appear on the analytical report. If collection of site-specific MS/MSD is required these samples must be specified by the sampler.

Date Collected: Enter the date of sample collection in (mm/dd/yy) format.

Time Collected: Enter the time of sample collection in military hour format.
Note: The date and time of collection for trip blanks should be entered as the date and time that the first volatile investigatory sample was collected and placed in the sample cooler.

Grab (G) or Composite (C): Enter a "G" for grab if the sample was taken from a discrete location or depth. Enter a "C" if the sample was taken from multiple locations or depths and homogenized prior to sampling.

Matrix Code: Enter the type of sample submitted using the matrix codes listed on the front of the Chain-of-Custody.

Number of Containers: Indicate the total number of containers submitted for each sampling point.

Compound List/Parameter and Analytical Method Requested: Enter the list of compounds requested (i.e., volatiles) or parameter, the analytical method by which the sample is to be analyzed, the bottle type, and preservative used (if any).

Remarks: List special instructions about the samples (i.e., high levels of analytes, hazardous elements expected, etc.).

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Analysis Report

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

248-576-5741

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 876539. Samples arrived at the laboratory on Wednesday, November 26, 2003. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
North_Bank_1 Grab Tedlar Bag Air Sample	4173395
North_Bank_2 Grab Tedlar Bag Air Sample	4173396
North_Bank_3 Grab Tedlar Bag Air Sample	4173397
North_Bank_4 Grab Tedlar Bag Air Sample	4173398
North_Bank_5 Grab Tedlar Bag Air Sample	4173399
North_Bank_6 Grab Tedlar Bag Air Sample	4173400
South_E-H Grab Tedlar Bag Air Sample	4173401
South_E-B+G Grab Tedlar Bag Air Sample	4173402
South_E-C+D Grab Tedlar Bag Air Sample	4173403
South_E-A+I Grab Tedlar Bag Air Sample	4173404
South_E-E+F Grab Tedlar Bag Air Sample	4173405

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
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g	gram(s)	**kg**	kilogram(s)
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ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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ppb parts per billion

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Lancaster Laboratories

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Robert E. Mellinger
Sr. Chemist/Coordinator

MEMBER ACIL
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2425 New Holland Pike • Lancaster, PA 17601

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173395

North_Bank_1 Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:10 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

NB1DY SDG#: DCN99-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/27/2003 22:40	Douglas Graham	1
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/29/2003 16:32	Douglas Graham	10
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/27/2003 22:40	Douglas Graham	1
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/29/2003 16:32	Douglas Graham	10

Lancaster Laboratories
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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB1DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173395 Date Analyzed: 11/27/03 Time Analyzed: 22:40
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\0801010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	1	
75-71-8	Dichlorodifluoromethane	0.6	J
75-45-6	Chlorodifluoromethane	2	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.2	U
75-01-4	Vinyl Chloride	0.2	U
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	1	
75-43-4	Dichlorofluoromethane	0.2	U
75-69-4	Trichlorofluoromethane	0.5	J
109-66-0	Pentane	1	J
107-02-8	Acrolein	0.5	U
75-35-4	1,1-Dichloroethene	13	
76-13-1	Freon 113	3	
67-64-1	Acetone	8	
74-88-4	Methyl Iodide	0.2	U
75-15-0	Carbon Disulfide	3	
75-05-8	Acetonitrile	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	0.8	J
75-65-0	tert-Butyl Alcohol	0.2	U
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	5	
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	0.2	J
75-34-3	1,1-Dichloroethane	30	
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	77	D
78-93-3	2-Butanone	18	
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	0.9	J
71-55-6	1,1,1-Trichloroethane	170	D

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

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CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.4	J
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	0.3	J
540-84-1	Isooctane	0.2	U
142-82-5	Heptane	0.2	U
79-01-6	Trichloroethene	95	D
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
108-88-3	Toluene	2	
111-65-9	Octane	0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	390	D
591-78-6	2-Hexanone	0.5	U
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.6	J
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	0.9	J
1330-20-7	m/p-Xylene	3	
95-47-6	o-Xylene	0.9	J
100-42-5	Styrene	0.3	J
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
96-18-4	1,2,3-Trichloropropane	0.2	U
108-86-1	Bromobenzene	0.2	U

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2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
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D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB1DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173395 Date Analyzed: 11/27/03 Time Analyzed: 22:40
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\0801010.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	0.4	J
108-67-8	1,3,5-Trimethylbenzene	0.2	U
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.5	J
541-73-1	1,3-Dichlorobenzene	7	
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173396

North_Bank_2 Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:23 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

NB2DY SDG#: DCN99-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 00:06	Douglas Graham	1
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/29/2003 17:16	Douglas Graham	10
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 00:06	Douglas Graham	1
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/29/2003 17:16	Douglas Graham	10

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB2DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173396 Date Analyzed: 11/28/03 Time Analyzed: 00:06
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1001012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	1	
75-71-8	Dichlorodifluoromethane	0.6	J
75-45-6	Chlorodifluoromethane	2	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.2	U
75-01-4	Vinyl Chloride	0.2	U
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	5	
75-43-4	Dichlorofluoromethane	0.2	U
75-69-4	Trichlorofluoromethane	0.6	J
109-66-0	Pentane	0.8	J
107-02-8	Acrolein	0.5	U
75-35-4	1,1-Dichloroethene	18	
76-13-1	Freon 113	0.7	J
67-64-1	Acetone	11	
74-88-4	Methyl Iodide	0.2	U
75-15-0	Carbon Disulfide	4	
75-05-8	Acetonitrile	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	1	J
75-65-0	tert-Butyl Alcohol	0.2	U
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	4	
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	0.4	J
75-34-3	1,1-Dichloroethane	38	
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	44	D
78-93-3	2-Butanone	17	
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	5	
71-55-6	1,1,1-Trichloroethane	130	D

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB2DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173396 Date Analyzed: 11/28/03 Time Analyzed: 00:06
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1001012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
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540-84-1	Isooctane	0.2	U
142-82-5	Heptane	0.2	U
79-01-6	Trichloroethene	72	D
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
108-88-3	Toluene	2	
111-65-9	Octane	0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	420	D
591-78-6	2-Hexanone	0.5	U
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.4	J
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	0.9	J
1330-20-7	m/p-Xylene	3	
95-47-6	o-Xylene	0.9	J
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
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g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

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ppb parts per billion

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D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB2DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173396 Date Analyzed: 11/28/03 Time Analyzed: 00:06
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1001012.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	0.4	J
108-67-8	1,3,5-Trimethylbenzene	0.2	J
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.7	J
541-73-1	1,3-Dichlorobenzene	7	
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

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C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173397

North_Bank_3 Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:40 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

NB3DY SDG#: DCN99-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 01:31	Douglas Graham	1
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/29/2003 18:00	Douglas Graham	50
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 01:31	Douglas Graham	1
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/29/2003 18:00	Douglas Graham	50

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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB3DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173397 Date Analyzed: 11/28/03 Time Analyzed: 01:31
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1201014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	2	
75-71-8	Dichlorodifluoromethane	0.7	J
75-45-6	Chlorodifluoromethane	2	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.2	U
75-01-4	Vinyl Chloride	34	
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	7	
75-43-4	Dichlorofluoromethane	0.2	U
75-69-4	Trichlorofluoromethane	0.7	J
109-66-0	Pentane	0.7	J
107-02-8	Acrolein	0.5	U
75-35-4	1,1-Dichloroethene	19	
76-13-1	Freon 113	1	
67-64-1	Acetone	10	
74-88-4	Methyl Iodide	0.2	U
75-15-0	Carbon Disulfide	4	
75-05-8	Acetonitrile	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	1	J
75-65-0	tert-Butyl Alcohol	0.2	U
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	7	
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	0.2	U
75-34-3	1,1-Dichloroethane	80	
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	200	D
78-93-3	2-Butanone	13	
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	12	
71-55-6	1,1,1-Trichloroethane	410	D

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB3DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173397 Date Analyzed: 11/28/03 Time Analyzed: 01:31
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1201014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	13	
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	0.9	J
540-84-1	Isooctane	0.2	U
142-82-5	Heptane	0.2	U
79-01-6	Trichloroethene	260	D
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	J
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
108-88-3	Toluene	2	
111-65-9	Octane	0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	1000	D
591-78-6	2-Hexanone	0.5	U
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.2	J
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	0.8	J
1330-20-7	m/p-Xylene	2	
95-47-6	o-Xylene	0.9	J
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
96-18-4	1,2,3-Trichloropropane	0.2	U
108-86-1	Bromobenzene	0.2	U

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Sample No.: NB3DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173397 Date Analyzed: 11/28/03 Time Analyzed: 01:31
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1201014.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	0.5	J
108-67-8	1,3,5-Trimethylbenzene	0.3	J
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.7	J
541-73-1	1,3-Dichlorobenzene	9	
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

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2425 New Holland Pike • Lancaster, PA 17601

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umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173398

North_Bank_4 Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:55 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

NB4DY SDG#: DCN99-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 02:59	Douglas Graham	10
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 02:59	Douglas Graham	10

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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB4DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173398 Date Analyzed: 11/28/03 Time Analyzed: 02:59
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1401016.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	15	D
75-71-8	Dichlorodifluoromethane	2	U
75-45-6	Chlorodifluoromethane	190	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	79	D
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	2	U
109-66-0	Pentane	130	D
107-02-8	Acrolein	5	U
75-35-4	1,1-Dichloroethene	16	D
76-13-1	Freon 113	5	U
67-64-1	Acetone	170	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	100	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	54	D
75-65-0	tert-Butyl Alcohol	2	U
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	51	D
1634-04-4	Methyl t-Butyl Ether	2	U
110-54-3	Hexane	4	J D
75-34-3	1,1-Dichloroethane	240	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	5	U
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	8	J D
71-55-6	1,1,1-Trichloroethane	2	U

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB4DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173398 Date Analyzed: 11/28/03 Time Analyzed: 02:59
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1401016.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	15	D
540-84-1	Isooctane	2	U
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	450	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	26	D
111-65-9	Octane	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	8	J D
95-47-6	o-Xylene	3	J D
100-42-5	Styrene	4	J D
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173399

North_Bank_5 Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 09:10 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

NB5DY SDG#: DCN99-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 04:27	Douglas Graham	10
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 03:42	Douglas Graham	100
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 04:27	Douglas Graham	10

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB5DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173399 Date Analyzed: 11/28/03 Time Analyzed: 04:27
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1601018.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	2	U
75-71-8	Dichlorodifluoromethane	2	U
75-45-6	Chlorodifluoromethane	30	D
76-14-2	Freon 114	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl Chloride	2	U
106-99-0	1,3-Butadiene	10	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	18	D
75-43-4	Dichlorofluoromethane	2	U
75-69-4	Trichlorofluoromethane	2	U
109-66-0	Pentane	10	J D
107-02-8	Acrolein	5	U
75-35-4	1,1-Dichloroethene	38	D
76-13-1	Freon 113	14	D
67-64-1	Acetone	190	D
74-88-4	Methyl Iodide	2	U
75-15-0	Carbon Disulfide	110	D
75-05-8	Acetonitrile	5	U
107-05-1	3-Chloropropene	5	U
75-09-2	Methylene Chloride	52	D
75-65-0	tert-Butyl Alcohol	2	U
107-13-1	Acrylonitrile	5	U
156-60-5	trans-1,2-Dichloroethene	7	J D
1634-04-4	Methyl t-Butyl Ether	2	U
110-54-3	Hexane	2	U
75-34-3	1,1-Dichloroethane	93	D
108-05-4	Vinyl Acetate	2	U
156-59-2	cis-1,2-Dichloroethene	530	D
78-93-3	2-Butanone	10	J D
141-78-6	Ethyl Acetate	2	U
96-33-3	Methyl Acrylate	2	U
67-66-3	Chloroform	4	J D
71-55-6	1,1,1-Trichloroethane	780	D

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Lancaster Laboratories
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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB5DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173399 Date Analyzed: 11/28/03 Time Analyzed: 04:27
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 10.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1601018.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	2	U
107-06-2	1,2-Dichloroethane	2	U
71-43-2	Benzene	6	J D
540-84-1	Isooctane	2	U
142-82-5	Heptane	2	U
79-01-6	Trichloroethene	870	D
140-88-5	Ethyl Acrylate	2	U
78-87-5	1,2-Dichloropropane	2	U
80-62-6	Methyl Methacrylate	2	U
74-95-3	Dibromomethane	2	U
123-91-1	1,4-Dioxane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-Pentanone	5	U
108-88-3	Toluene	31	D
111-65-9	Octane	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
97-63-2	Ethyl Methacrylate	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2000	D
591-78-6	2-Hexanone	5	U
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	59	D
630-20-6	1,1,1,2-Tetrachloroethane	2	U
100-41-4	Ethylbenzene	3	J D
1330-20-7	m/p-Xylene	9	J D
95-47-6	o-Xylene	3	J D
100-42-5	Styrene	4	J D
75-25-2	Bromoform	2	U
98-82-8	Cumene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
96-18-4	1,2,3-Trichloropropane	2	U
108-86-1	Bromobenzene	2	U

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MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike • Lancaster PA 17601

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VOLATILE ORGANICS IN AIR
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ANALYSIS DATA SHEET

Sample No.: NB5DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173399 Date Analyzed: 11/28/03 Time Analyzed: 04:27
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CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	3	J D
108-67-8	1,3,5-Trimethylbenzene	3	J D
98-83-9	Alpha Methyl Styrene	2	U
95-63-6	1,2,4-Trimethylbenzene	7	J D
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
100-44-7	Benzyl chloride	2	U
95-50-1	1,2-Dichlorobenzene	5	U
67-72-1	Hexachloroethane	2	U
120-82-1	1,2,4-Trichlorobenzene	10	U
87-68-3	Hexachlorobutadiene	5	U

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173400

North_Bank_6 Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:00 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

NB6DY SDG#: DCN99-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

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07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 05:09	Douglas Graham	5
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 05:52	Douglas Graham	1
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 05:09	Douglas Graham	5
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P	Concentration difference between primary and confirmation columns >25%
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X,Y,Z	Defined in case narrative

Inorganic Qualifiers

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S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB6DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173400 Date Analyzed: 11/28/03 Time Analyzed: 05:52
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1801020.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	5	
75-71-8	Dichlorodifluoromethane	1	
75-45-6	Chlorodifluoromethane	2	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.2	U
75-01-4	Vinyl Chloride	0.8	J
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	0.2	U
75-43-4	Dichlorofluoromethane	1	
75-69-4	Trichlorofluoromethane	3	
109-66-0	Pentane	0.9	J
107-02-8	Acrolein	0.5	U
75-35-4	1,1-Dichloroethene	3	
76-13-1	Freon 113	12	
67-64-1	Acetone	14	
74-88-4	Methyl Iodide	0.2	U
75-15-0	Carbon Disulfide	5	
75-05-8	Acetonitrile	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	1	
75-65-0	tert-Butyl Alcohol	0.2	U
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	13	
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	0.4	J
75-34-3	1,1-Dichloroethane	100	D
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	440	D
78-93-3	2-Butanone	41	
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	3	
71-55-6	1,1,1-Trichloroethane	390	D

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umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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Inorganic Qualifiers

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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: NB6DY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173400 Date Analyzed: 11/28/03 Time Analyzed: 05:52
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\1801020.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.2	J
107-06-2	1,2-Dichloroethane	0.2	U
71-43-2	Benzene	1	
540-84-1	Isooctane	0.2	U
142-82-5	Heptane	0.2	U
79-01-6	Trichloroethene	290	D
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	J
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
108-88-3	Toluene	3	
111-65-9	Octane	0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.2	U
127-18-4	Tetrachloroethene	340	D
591-78-6	2-Hexanone	0.5	U
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.4	J
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	0.8	J
1330-20-7	m/p-Xylene	3	
95-47-6	o-Xylene	0.8	J
100-42-5	Styrene	0.3	J
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
96-18-4	1,2,3-Trichloropropane	0.2	U
108-86-1	Bromobenzene	0.2	U

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g	gram(s)	**kg**	kilogram(s)
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CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	0.4	J
108-67-8	1,3,5-Trimethylbenzene	0.2	J
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.6	J
541-73-1	1,3-Dichlorobenzene	5	
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173401

South_E-H Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 11:11 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SEHDY SDG#: DCN99-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 07:17	Douglas Graham	1
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/29/2003 18:45	Douglas Graham	25
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 07:17	Douglas Graham	1
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/29/2003 18:45	Douglas Graham	25

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SEHDY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173401 Date Analyzed: 11/28/03 Time Analyzed: 07:17
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\2001022.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	6	
75-71-8	Dichlorodifluoromethane	0.8	J
75-45-6	Chlorodifluoromethane	6	
76-14-2	Freon 114	0.2	U
74-87-3	Chloromethane	0.2	U
75-01-4	Vinyl Chloride	0.2	U
106-99-0	1,3-Butadiene	1	U
74-83-9	Bromomethane	0.2	U
75-00-3	Chloroethane	5	
75-43-4	Dichlorofluoromethane	0.2	U
75-69-4	Trichlorofluoromethane	2	
109-66-0	Pentane	2	
107-02-8	Acrolein	0.5	U
75-35-4	1,1-Dichloroethene	64	
76-13-1	Freon 113	4	
67-64-1	Acetone	16	
74-88-4	Methyl Iodide	0.2	U
75-15-0	Carbon Disulfide	8	
75-05-8	Acetonitrile	0.5	U
107-05-1	3-Chloropropene	0.5	U
75-09-2	Methylene Chloride	2	
75-65-0	tert-Butyl Alcohol	0.2	U
107-13-1	Acrylonitrile	0.5	U
156-60-5	trans-1,2-Dichloroethene	13	
1634-04-4	Methyl t-Butyl Ether	0.2	U
110-54-3	Hexane	0.4	J
75-34-3	1,1-Dichloroethane	66	D
108-05-4	Vinyl Acetate	0.2	U
156-59-2	cis-1,2-Dichloroethene	390	D
78-93-3	2-Butanone	14	
141-78-6	Ethyl Acetate	0.2	U
96-33-3	Methyl Acrylate	0.2	U
67-66-3	Chloroform	3	
71-55-6	1,1,1-Trichloroethane	350	D

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N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
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IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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> greater than

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ppb parts per billion

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D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
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W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SEHDY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173401 Date Analyzed: 11/28/03 Time Analyzed: 07:17
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\2001022.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	0.6	J
107-06-2	1,2-Dichloroethane	0.7	J
71-43-2	Benzene	1	
540-84-1	Isooctane	0.2	U
142-82-5	Heptane	0.2	U
79-01-6	Trichloroethene	1100	D
140-88-5	Ethyl Acrylate	0.2	U
78-87-5	1,2-Dichloropropane	0.2	U
80-62-6	Methyl Methacrylate	0.2	U
74-95-3	Dibromomethane	0.2	U
123-91-1	1,4-Dioxane	0.2	U
75-27-4	Bromodichloromethane	0.2	U
10061-01-5	cis-1,3-Dichloropropene	0.2	U
108-10-1	4-Methyl-2-Pentanone	0.5	U
108-88-3	Toluene	3	
111-65-9	Octane	0.2	U
10061-02-6	trans-1,3-Dichloropropene	0.2	U
97-63-2	Ethyl Methacrylate	0.2	U
79-00-5	1,1,2-Trichloroethane	0.8	J
127-18-4	Tetrachloroethene	560	D
591-78-6	2-Hexanone	0.5	U
124-48-1	Dibromochloromethane	0.2	U
106-93-4	1,2-Dibromoethane	0.2	U
108-90-7	Chlorobenzene	0.2	U
630-20-6	1,1,1,2-Tetrachloroethane	0.2	U
100-41-4	Ethylbenzene	2	
1330-20-7	m/p-Xylene	6	
95-47-6	o-Xylene	1	
100-42-5	Styrene	0.4	J
75-25-2	Bromoform	0.2	U
98-82-8	Cumene	0.2	U
79-34-5	1,1,2,2-Tetrachloroethane	0.2	U
96-18-4	1,2,3-Trichloropropane	0.2	U
108-86-1	Bromobenzene	0.2	U

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C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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ppb parts per billion

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SEHDY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173401 Date Analyzed: 11/28/03 Time Analyzed: 07:17
Injection Volume: 250 cc Nominal Volume: 250 cc Dilution Factor: 1.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\2001022.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	0.6	J
108-67-8	1,3,5-Trimethylbenzene	0.3	J
98-83-9	Alpha Methyl Styrene	0.2	U
95-63-6	1,2,4-Trimethylbenzene	0.9	J
541-73-1	1,3-Dichlorobenzene	6	
106-46-7	1,4-Dichlorobenzene	0.5	U
100-44-7	Benzyl chloride	0.2	U
95-50-1	1,2-Dichlorobenzene	0.5	U
67-72-1	Hexachloroethane	0.2	U
120-82-1	1,2,4-Trichlorobenzene	1	U
87-68-3	Hexachlorobutadiene	0.5	U

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ug	microgram(s)	**mg**	milligram(s)
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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173402

South_E-B+G Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 11:30 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SEBGD SDG#: DCN99-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 08:00	Douglas Graham	25
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/28/2003 08:45	Douglas Graham	2.5
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 08:00	Douglas Graham	25
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/28/2003 08:45	Douglas Graham	2.5

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SEBGD Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173402 Date Analyzed: 11/28/03 Time Analyzed: 08:45
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\2201024.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	3	D
75-71-8	Dichlorodifluoromethane	1	J D
75-45-6	Chlorodifluoromethane	10	D
76-14-2	Freon 114	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl Chloride	0.5	U
106-99-0	1,3-Butadiene	3	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	5	D
75-43-4	Dichlorofluoromethane	0.5	U
75-69-4	Trichlorofluoromethane	1	J D
109-66-0	Pentane	4	D
107-02-8	Acrolein	2	J D
75-35-4	1,1-Dichloroethene	30	D
76-13-1	Freon 113	9	D
67-64-1	Acetone	58	D
74-88-4	Methyl Iodide	0.5	U
75-15-0	Carbon Disulfide	37	D
75-05-8	Acetonitrile	1	U
107-05-1	3-Chloropropene	1	U
75-09-2	Methylene Chloride	17	D
75-65-0	tert-Butyl Alcohol	0.5	U
107-13-1	Acrylonitrile	1	U
156-60-5	trans-1,2-Dichloroethene	6	D
1634-04-4	Methyl t-Butyl Ether	0.5	U
110-54-3	Hexane	2	J D
75-34-3	1,1-Dichloroethane	86	D
108-05-4	Vinyl Acetate	0.5	U
156-59-2	cis-1,2-Dichloroethene	310	D
78-93-3	2-Butanone	9	D
141-78-6	Ethyl Acetate	0.5	U
96-33-3	Methyl Acrylate	0.5	U
67-66-3	Chloroform	8	D
71-55-6	1,1,1-Trichloroethane	810	D

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NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

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Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SEBGD Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173402 Date Analyzed: 11/28/03 Time Analyzed: 08:45
Injection Volume: 500 cc Nominal Volume: 250 cc Dilution Factor: 2.5
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\2201024.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	J D
107-06-2	1,2-Dichloroethane	0.5	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	0.5	U
142-82-5	Heptane	0.5	U
79-01-6	Trichloroethene	2200	D
140-88-5	Ethyl Acrylate	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
80-62-6	Methyl Methacrylate	0.5	U
74-95-3	Dibromomethane	0.5	U
123-91-1	1,4-Dioxane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-10-1	4-Methyl-2-Pentanone	1	U
108-88-3	Toluene	10	D
111-65-9	Octane	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
97-63-2	Ethyl Methacrylate	0.5	U
79-00-5	1,1,2-Trichloroethane	2	J D
127-18-4	Tetrachloroethene	1400	D
591-78-6	2-Hexanone	1	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
108-90-7	Chlorobenzene	12	D
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-41-4	Ethylbenzene	2	J D
1330-20-7	m/p-Xylene	6	D
95-47-6	o-Xylene	2	J D
100-42-5	Styrene	1	J D
75-25-2	Bromoform	0.5	U
98-82-8	Cumene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
108-86-1	Bromobenzene	0.5	U

U = Compound was undetected at the specified limit of quantitation.
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NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

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Lab Sample ID: 4173402 Date Analyzed: 11/28/03 Time Analyzed: 08:45
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Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV27\2201024.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	1	J D
108-67-8	1,3,5-Trimethylbenzene	0.9	J D
98-83-9	Alpha Methyl Styrene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	2	J D
541-73-1	1,3-Dichlorobenzene	2	J D
106-46-7	1,4-Dichlorobenzene	1	U
100-44-7	Benzyl chloride	0.5	U
95-50-1	1,2-Dichlorobenzene	1	U
67-72-1	Hexachloroethane	0.5	U
120-82-1	1,2,4-Trichlorobenzene	3	U
87-68-3	Hexachlorobutadiene	1	U

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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173403

South_E-C+D Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 11:45 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SECDY SDG#: DCN99-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/29/2003 19:30	Douglas Graham	5
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/29/2003 19:30	Douglas Graham	5
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/30/2003 17:35	Douglas Graham	50

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VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SECDY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173403 Date Analyzed: 11/29/03 Time Analyzed: 19:30
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV29\2301011.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	80	D
75-71-8	Dichlorodifluoromethane	2	J D
75-45-6	Chlorodifluoromethane	6	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
109-66-0	Pentane	4	J D
107-02-8	Acrolein	3	U
75-35-4	1,1-Dichloroethene	10	D
76-13-1	Freon 113	14	D
67-64-1	Acetone	19	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	17	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	4	J D
75-65-0	tert-Butyl Alcohol	9	D
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	3	J D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	1	J D
75-34-3	1,1-Dichloroethane	170	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	190	D
78-93-3	2-Butanone	8	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	17	D
71-55-6	1,1,1-Trichloroethane	450	D

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540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	630	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	4	J D
111-65-9	Octane	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1300	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	14	D
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	J D
1330-20-7	m/p-Xylene	3	J D
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

U = Compound was undetected at the specified limit of quantitation.
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N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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D	Compound quantitated on a diluted sample
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N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
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X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SECDY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173403 Date Analyzed: 11/29/03 Time Analyzed: 19:30
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV29\2301011.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	4	J D
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173404

South_E-A+I Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 11:59 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

EAIDY SDG#: DCN99-10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/29/2003 20:58	Douglas Graham	5
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/29/2003 20:58	Douglas Graham	5
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/30/2003 18:17	Douglas Graham	50

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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: EAIDY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173404 Date Analyzed: 11/29/03 Time Analyzed: 20:58
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV29\2501013.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	4	J D
75-71-8	Dichlorodifluoromethane	3	J D
75-45-6	Chlorodifluoromethane	16	D
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	8	D
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
109-66-0	Pentane	1	U
107-02-8	Acrolein	3	U
75-35-4	1,1-Dichloroethene	10	D
76-13-1	Freon 113	110	D
67-64-1	Acetone	15	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	9	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	3	U
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	8	D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	1	U
75-34-3	1,1-Dichloroethane	61	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	230	D
78-93-3	2-Butanone	9	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	11	D
71-55-6	1,1,1-Trichloroethane	350	D

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CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	1500	D
140-88-5	Ethyl Acrylate	1	U
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591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	m/p-Xylene	2	J D
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
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C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: EAIDY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173404 Date Analyzed: 11/29/03 Time Analyzed: 20:58
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV29\2501013.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
622-96-8	4-Ethyltoluene	1	U
108-67-8	1,3,5-Trimethylbenzene	1	U
98-83-9	Alpha Methyl Styrene	1	U
95-63-6	1,2,4-Trimethylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	3	J D
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

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NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. AQ 4173405

South_E-E+F Grab Tedlar Bag Air Sample
Site Code: SC001 RFA# ET03074
Dayton Thermal/Dayton, OH
Collected:11/25/2003 00:00 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 09:29
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

SEEFY SDG#: DCN99-11*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07869	TO 14 VOA Ext. List Tedlar	EPA Method TO14A	1	11/29/2003 22:26	Douglas Graham	5
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/29/2003 22:26	Douglas Graham	5
07870	TO 14 VOA Ext List cont Tedlar	EPA Method TO14A	1	11/30/2003 18:58	Douglas Graham	50

Lancaster Laboratories
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Lancaster Laboratories

VOLATILE ORGANICS IN AIR
TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SEEFY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173405 Date Analyzed: 11/29/03 Time Analyzed: 22:26
Injection Volume: 50 cc Nominal Volume: 250 cc Dilution Factor: 5.0
Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV29\2701015.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
115-07-1	Propene	6	D
75-71-8	Dichlorodifluoromethane	1	U
75-45-6	Chlorodifluoromethane	5	U
76-14-2	Freon 114	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl Chloride	1	U
106-99-0	1,3-Butadiene	5	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-43-4	Dichlorofluoromethane	1	U
75-69-4	Trichlorofluoromethane	1	U
109-66-0	Pentane	1	U
107-02-8	Acrolein	3	U
75-35-4	1,1-Dichloroethene	2	J D
76-13-1	Freon 113	90	D
67-64-1	Acetone	22	D
74-88-4	Methyl Iodide	1	U
75-15-0	Carbon Disulfide	15	D
75-05-8	Acetonitrile	3	U
107-05-1	3-Chloropropene	3	U
75-09-2	Methylene Chloride	3	U
75-65-0	tert-Butyl Alcohol	1	U
107-13-1	Acrylonitrile	3	U
156-60-5	trans-1,2-Dichloroethene	7	D
1634-04-4	Methyl t-Butyl Ether	1	U
110-54-3	Hexane	1	U
75-34-3	1,1-Dichloroethane	51	D
108-05-4	Vinyl Acetate	1	U
156-59-2	cis-1,2-Dichloroethene	330	D
78-93-3	2-Butanone	15	D
141-78-6	Ethyl Acetate	1	U
96-33-3	Methyl Acrylate	1	U
67-66-3	Chloroform	22	D
71-55-6	1,1,1-Trichloroethane	100	D

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TEDLAR BAG SAMPLE
ANALYSIS DATA SHEET

Sample No.: SEEFY Date Collected: 11/25/03 Date Received: 11/26/03
Lab Sample ID: 4173405 Date Analyzed: 11/29/03 Time Analyzed: 22:26
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Instrument ID: HP4224 Lab File ID: C:\HPCHEM\1\DATA\NOV29\2701015.D

CAS RN	COMPOUND NAME	CONCENTRATION UNITS: MDL ppb(v)	Q
56-23-5	Carbon Tetrachloride	1	U
107-06-2	1,2-Dichloroethane	1	U
71-43-2	Benzene	2	J D
540-84-1	Isooctane	1	U
142-82-5	Heptane	1	U
79-01-6	Trichloroethene	1500	D
140-88-5	Ethyl Acrylate	1	U
78-87-5	1,2-Dichloropropane	1	U
80-62-6	Methyl Methacrylate	1	U
74-95-3	Dibromomethane	1	U
123-91-1	1,4-Dioxane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-Pentanone	3	U
108-88-3	Toluene	2	J D
111-65-9	Octane	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
97-63-2	Ethyl Methacrylate	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	2400	D
591-78-6	2-Hexanone	3	U
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
100-41-4	Ethylbenzene	1	U
1330-20-7	m/p-Xylene	2	J D
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Cumene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
96-18-4	1,2,3-Trichloropropane	1	U
108-86-1	Bromobenzene	1	U

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95-63-6	1,2,4-Trimethylbenzene	1	U
541-73-1	1,3-Dichlorobenzene	3	J D
106-46-7	1,4-Dichlorobenzene	3	U
100-44-7	Benzyl chloride	1	U
95-50-1	1,2-Dichlorobenzene	3	U
67-72-1	Hexachloroethane	1	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	3	U

U = Compound was undetected at the specified limit of quantitation.
B = Compound was found in method blank. D = analysis of diluted sample.
J = Compound was detected, but below the limit of quantitation.
NOTE: Limits of detection were raised due to the high concentration of volatile organic compounds in this sample.

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2425 New Holland Pike
PO Box 12425
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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

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A	TIC is a possible aldol-condensation product
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E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

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B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 876539
Reported: 12/09/03 at 09:29 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: A033311AB	Sample number(s): 4173395-4173402							
tert-Butyl Alcohol	N.D.	0.20	ppb(v)					
Propene	N.D.	0.20	ppb(v)					
Dichlorodifluoromethane	N.D.	0.20	ppb(v)					
Chlorodifluoromethane	N.D.	1.0	ppb(v)					
Freon 114	N.D.	0.20	ppb(v)					
Chloromethane	N.D.	0.20	ppb(v)					
Vinyl Chloride	N.D.	0.20	ppb(v)	96		68-135		
1,3-Butadiene	N.D.	1.0	ppb(v)					
Bromomethane	N.D.	0.20	ppb(v)					
Chloroethane	N.D.	0.20	ppb(v)					
Dichlorofluoromethane	N.D.	0.20	ppb(v)					
Trichlorofluoromethane	N.D.	0.20	ppb(v)					
Pentane	N.D.	0.20	ppb(v)					
Acrolein	N.D.	0.50	ppb(v)					
1,1-Dichloroethene	N.D.	0.20	ppb(v)					
Freon 113	N.D.	0.50	ppb(v)					
Acetone	N.D.	1.0	ppb(v)					
Methyl Iodide	N.D.	0.20	ppb(v)					
Carbon Disulfide	N.D.	0.50	ppb(v)					
Acetonitrile	N.D.	0.50	ppb(v)					
3-Chloropropene	N.D.	0.50	ppb(v)					
Methylene Chloride	N.D.	0.50	ppb(v)					
Acrylonitrile	N.D.	0.50	ppb(v)					
trans-1,2-Dichloroethene	N.D.	0.20	ppb(v)					
Methyl t-Butyl Ether	N.D.	0.20	ppb(v)					
Hexane	N.D.	0.20	ppb(v)					
1,1-Dichloroethane	N.D.	0.20	ppb(v)					
Vinyl Acetate	N.D.	0.20	ppb(v)					
cis-1,2-Dichloroethene	N.D.	0.20	ppb(v)					
2-Butanone	N.D.	0.50	ppb(v)					
Ethyl Acetate	N.D.	0.20	ppb(v)					
Methyl Acrylate	N.D.	0.20	ppb(v)					
Chloroform	N.D.	0.20	ppb(v)					
1,1,1-Trichloroethane	N.D.	0.20	ppb(v)	143		81-157		
Carbon Tetrachloride	N.D.	0.20	ppb(v)					
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Ethyl Acrylate	N.D.	0.20	ppb(v)					
1,2-Dichloropropane	N.D.	0.20	ppb(v)					
Methyl Methacrylate	N.D.	0.20	ppb(v)					
Dibromomethane	N.D.	0.20	ppb(v)					
1,4-Dioxane	N.D.	0.20	ppb(v)					
Bromodichloromethane	N.D.	0.20	ppb(v)					

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Reported: 12/09/03 at 09:29 AM

Group Number: 876539

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
cis-1,3-Dichloropropene	N.D.	0.20	ppb(v)					
4-Methyl-2-Pentanone	N.D.	0.50	ppb(v)					
Toluene	N.D.	0.20	ppb(v)					
Octane	N.D.	0.20	ppb(v)					
trans-1,3-Dichloropropene	N.D.	0.20	ppb(v)					
Ethyl Methacrylate	N.D.	0.20	ppb(v)					
1,1,2-Trichloroethane	N.D.	0.20	ppb(v)					
Tetrachloroethene	N.D.	0.20	ppb(v)					
2-Hexanone	N.D.	0.50	ppb(v)					
Dibromochloromethane	N.D.	0.20	ppb(v)					
1,2-Dibromoethane	N.D.	0.20	ppb(v)					
Chlorobenzene	N.D.	0.20	ppb(v)					
1,1,1,2-Tetrachloroethane	N.D.	0.20	ppb(v)					
Ethylbenzene	N.D.	0.20	ppb(v)	121		65-149		
m/p-Xylene	N.D.	0.20	ppb(v)					
o-Xylene	N.D.	0.20	ppb(v)					
Styrene	N.D.	0.20	ppb(v)					
Bromoform	N.D.	0.20	ppb(v)					
Cumene	N.D.	0.20	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D.	0.20	ppb(v)					
1,2,3-Trichloropropane	N.D.	0.20	ppb(v)					
Bromobenzene	N.D.	0.20	ppb(v)					
4-Ethyltoluene	N.D.	0.20	ppb(v)					
1,3,5-Trimethylbenzene	N.D.	0.20	ppb(v)					
Alpha Methyl Styrene	N.D.	0.20	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	0.20	ppb(v)					
1,3-Dichlorobenzene	N.D.	0.50	ppb(v)					
1,4-Dichlorobenzene	N.D.	0.50	ppb(v)	130		37-149		
Benzyl chloride	N.D.	0.20	ppb(v)					
1,2-Dichlorobenzene	N.D.	0.50	ppb(v)					
Hexachloroethane	N.D.	0.20	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.0	ppb(v)					
Hexachlorobutadiene	N.D.	0.50	ppb(v)					
Batch number: A033311AC	Sample number(s): 4173403-4173405							
tert-Butyl Alcohol	N.D.	0.20	ppb(v)					
Propene	N.D.	0.20	ppb(v)					
Dichlorodifluoromethane	N.D.	0.20	ppb(v)					
Chlorodifluoromethane	N.D.	1.0	ppb(v)					
Freon 114	N.D.	0.20	ppb(v)					
Chloromethane	N.D.	0.20	ppb(v)					
Vinyl Chloride	N.D.	0.20	ppb(v)	96		68-135		
1,3-Butadiene	N.D.	1.0	ppb(v)					
Bromomethane	N.D.	0.20	ppb(v)					
Chloroethane	N.D.	0.20	ppb(v)					
Dichlorofluoromethane	N.D.	0.20	ppb(v)					
Trichlorofluoromethane	N.D.	0.20	ppb(v)					
Pentane	N.D.	0.20	ppb(v)					

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B	Value is <CRDL, but ≥IDL
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Group Number: 876539

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Acrolein	N.D.	0.50	ppb(v)					
1,1-Dichloroethene	N.D.	0.20	ppb(v)					
Freon 113	N.D.	0.50	ppb(v)					
Acetone	N.D.	1.0	ppb(v)					
Methyl Iodide	N.D.	0.20	ppb(v)					
Carbon Disulfide	N.D.	0.50	ppb(v)					
Acetonitrile	N.D.	0.50	ppb(v)					
3-Chloropropene	N.D.	0.50	ppb(v)					
Methylene Chloride	N.D.	0.50	ppb(v)					
Acrylonitrile	N.D.	0.50	ppb(v)					
trans-1,2-Dichloroethene	N.D.	0.20	ppb(v)					
Methyl t-Butyl Ether	N.D.	0.20	ppb(v)					
Hexane	N.D.	0.20	ppb(v)					
1,1-Dichloroethane	N.D.	0.20	ppb(v)					
Vinyl Acetate	N.D.	0.20	ppb(v)					
cis-1,2-Dichloroethene	N.D.	0.20	ppb(v)					
2-Butanone	N.D.	0.50	ppb(v)					
Ethyl Acetate	N.D.	0.20	ppb(v)					
Methyl Acrylate	N.D.	0.20	ppb(v)					
Chloroform	N.D.	0.20	ppb(v)					
1,1,1-Trichloroethane	N.D.	0.20	ppb(v)	143		81-157		
Carbon Tetrachloride	N.D.	0.20	ppb(v)					
1,2-Dichloroethane	N.D.	0.20	ppb(v)					
Benzene	N.D.	0.20	ppb(v)	116		70-150		
Isooctane	N.D.	0.20	ppb(v)					
Heptane	N.D.	0.20	ppb(v)					
Trichloroethene	N.D.	0.20	ppb(v)	106		65-144		
Ethyl Acrylate	N.D.	0.20	ppb(v)					
1,2-Dichloropropane	N.D.	0.20	ppb(v)					
Methyl Methacrylate	N.D.	0.20	ppb(v)					
Dibromomethane	N.D.	0.20	ppb(v)					
1,4-Dioxane	N.D.	0.20	ppb(v)					
Bromodichloromethane	N.D.	0.20	ppb(v)					
cis-1,3-Dichloropropene	N.D.	0.20	ppb(v)					
4-Methyl-2-Pentanone	N.D.	0.50	ppb(v)					
Toluene	N.D.	0.20	ppb(v)					
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trans-1,3-Dichloropropene	N.D.	0.20	ppb(v)					
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1,1,2-Trichloroethane	N.D.	0.20	ppb(v)					
Tetrachloroethene	N.D.	0.20	ppb(v)					
2-Hexanone	N.D.	0.50	ppb(v)					
Dibromochloromethane	N.D.	0.20	ppb(v)					
1,2-Dibromoethane	N.D.	0.20	ppb(v)					
Chlorobenzene	N.D.	0.20	ppb(v)					
1,1,1,2-Tetrachloroethane	N.D.	0.20	ppb(v)					
Ethylbenzene	N.D.	0.20	ppb(v)	121		65-149		
m/p-Xylene	N.D.	0.20	ppb(v)					

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E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Group Number: 876539
Reported: 12/09/03 at 09:29 AM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
o-Xylene	N.D.	0.20	ppb(v)					
Styrene	N.D.	0.20	ppb(v)					
Bromoform	N.D.	0.20	ppb(v)					
Cumene	N.D.	0.20	ppb(v)					
1,1,2,2-Tetrachloroethane	N.D.	0.20	ppb(v)					
1,2,3-Trichloropropane	N.D.	0.20	ppb(v)					
Bromobenzene	N.D.	0.20	ppb(v)					
4-Ethyltoluene	N.D.	0.20	ppb(v)					
1,3,5-Trimethylbenzene	N.D.	0.20	ppb(v)					
Alpha Methyl Styrene	N.D.	0.20	ppb(v)					
1,2,4-Trimethylbenzene	N.D.	0.20	ppb(v)					
1,3-Dichlorobenzene	N.D.	0.50	ppb(v)					
1,4-Dichlorobenzene	N.D.	0.50	ppb(v)	130		37-149		
Benzyl chloride	N.D.	0.20	ppb(v)					
1,2-Dichlorobenzene	N.D.	0.50	ppb(v)					
Hexachloroethane	N.D.	0.20	ppb(v)					
1,2,4-Trichlorobenzene	N.D.	1.0	ppb(v)					
Hexachlorobutadiene	N.D.	0.50	ppb(v)					

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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10160 Grp # 876488 4173147-52

DAIMLERCHRYSLER — Chain-of-Custody

3808 B

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17601
Phone Number: (717) 656-2300
Fax Number: (717) 656-2681

Project Name: Dayton Thermal
Site Location: Dayton, OH
Site Code:
RFA Number: ET03085
DaimlerChrysler PM: Gary Stanzik

Consultant: Earth Tech
Address: 4135 Technology Pkwy
Sheboygan, WI 53083
Consultant PM: Rob Stenson
Phone: 920-458-8711 Fax: 458-0550

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
~~7 calendar days~~
14 calendar days KAW885 (pu GMS on 11/21/03)

Data Package Deliverables: (circle)
DaimlerChrysler Level 1
DaimlerChrysler Level 2
CLP

Matrix Codes
S - Soil
GW - Groundwater
Sed. - Sediment
O - Other (specify)
SW - Surface Water
A - Air

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	Se-ICP, As-ICP, Cd, Ba	8270	TCLP	Hg	Moist	Ag, Pb, Cr	946 ZHE			Remarks
Sample 1 North Drum	11-25	08:30	G	S	4	✓	✓	✓	✓	✓	✓	✓			See enclosed
Sample 2 MH Drums	11-25	13:00	G	S	4	✓	✓	✓	✓	✓	✓	✓			"Sampling Container Record" for list of analyses

Sampler(s): Bryan Dayton

Cooler ID # C06994

Samples Relinquished under Airbill No.

Temperature (corrected) 4.5C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
Bryan Dayton	11.25.03	4PM				Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			[signature]	11/26/03	0935	Yes No

Is RFA sampling complete? Yes No

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

Revision No 3
Created July 9, 1999

Page 1 of 1

EPA Region 5 Records Ctr.
349892

DIRECTIONS FOR COMPLETING THE DAIMLERCHRYSLER CORPORATION CHAIN-OF-CUSTODY

Project Name: Site or project name from where samples are collected.
Site Location: City and state of project.
Site Code: Specified DaimlerChrysler site code relating to this project.
RFA Number: Specified RFA number under which these samples were collected and analyzed.
DaimlerChrysler PM: The name of the project manager responsible for work performed on this site.
Consultant: Name of primary consulting organization.
Address: Name of organization and address.
Consultant PM: The name of consultant's project manager who is to receive the analytical results/data packages.
Phone #: Phone number of the project manager.
Fax #: Facsimile number of the project manager.

Turn-around Time: Circle the TAT required for the samples.
Data Deliverables: Circle the data deliverable level required.

Sample Identification: Indicate the unique sample identification to appear on the analytical report. If collection of site-specific MS/MSD is required these samples must be specified by the sampler.

Date Collected: Enter the date of sample collection in (mm/dd/yy) format.

Time Collected: Enter the time of sample collection in military hour format. **Note:** The date and time of collection for trip blanks should be entered as the date and time that the first volatile investigatory sample was collected and placed in the sample cooler.

Grab (G) or Composite (C): Enter a "G" for grab if the sample was taken from a discrete location or depth. Enter a "C" if the sample was taken from multiple locations or depths and homogenized prior to sampling.

Matrix Code: Enter the type of sample submitted using the matrix codes listed on the front of the Chain-of-Custody.

Number of Containers: Indicate the total number of containers submitted for each sampling point.

Compound List/Parameter and Analytical Method Requested: Enter the list of compounds requested (i.e., volatiles) or parameter, the analytical method by which the sample is to be analyzed, the bottle type, and preservative used (if any).

Remarks: List special instructions about the samples (i.e., high levels of analytes, hazardous elements expected, etc.).

Sampler(s): Print the name(s) of the person(s) who collected the samples.

Cooler ID#: List the cooler number which contains the samples listed on the COC.

Airbill No.: Enter the airbill number under which the samples are submitted to the laboratory.

Relinquished by/Received by: The Chain-of-Custody must be signed <u>each time</u> the sample changes hands. Since custody seals will be placed on the outside of the cooler, the carrier's airbill will serve as documentation of custody and will not require a signature from the carrier on the Chain-of-Custody.

Cooler Temperature (LAB USE ONLY): The laboratory is required to measure the internal temperature of the sample cooler upon receipt by use of a temperature blank submitted with each cooler. The true temperature (inclusive of any calibration correction factors) is reported in degrees Celsius.

Custody Seals Intact: Field personnel are required to place custody seals on all coolers prior to sample shipment. The laboratory is required to verify the integrity of the samples upon laboratory receipt. Personnel should circle the appropriate response.

Page __ of ____: Specify the number and total number of Chain-of-Custody forms relating to this shipment of samples.

Analysis Report

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

248-576-5741

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 876488. Samples arrived at the laboratory on Wednesday, November 26, 2003. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
Sample_1_North_Drum Grab Soil Sample	4173147
Sample_1_North_Drum Grab Soil Sample TCLP NVE	4173148
Sample_1_North_Drum Grab Soil Sample TCLP ZHE	4173149
Sample_2_MH_Drums Grab Soil Sample	4173150
Sample_2_MH_Drums Grab Soil Sample TCLP NVE	4173151
Sample_2_MH_Drums Grab Soil Sample TCLP ZHE	4173152

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Erik J. Frederiksen
Group Leader

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4173147

Sample_1_North_Drum Grab Soil Sample
Site Code: SC001 RFA# ET03085
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:30 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 15:32
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

1NDRU SDG#: DCN98-01

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0028	mg/kg	1
06935	Arsenic	7440-38-2	3.79	0.509	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.479	mg/kg	1
06946	Barium	7440-39-3	19.3	0.163	mg/kg	5
	The quantitation limit for barium was increased due to high amounts of calcium in the sample.					
06949	Cadmium	7440-43-9	N.D.	0.0550	mg/kg	1
06951	Chromium	7440-47-3	6.56	0.204	mg/kg	1
06955	Lead	7439-92-1	4.66	0.805	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.764	mg/kg	5
	The quantitation limit for silver was increased due to high amounts of calcium in the sample.					
00111	Moisture	n.a.	2.8	0.50	%	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.					

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	12/04/2003 10:34	Damary Valentin	1
06935	Arsenic	SW-846 6010B	1	12/05/2003 04:25	Donna R Sackett	1
06936	Selenium	SW-846 6010B	1	12/05/2003 04:25	Donna R Sackett	1
06946	Barium	SW-846 6010B	1	12/05/2003 16:08	Erika J Rabuck	5
06949	Cadmium	SW-846 6010B	1	12/05/2003 04:25	Donna R Sackett	1
06951	Chromium	SW-846 6010B	1	12/05/2003 04:25	Donna R Sackett	1
06955	Lead	SW-846 6010B	1	12/05/2003 04:25	Donna R Sackett	1
06966	Silver	SW-846 6010B	1	12/05/2003 16:08	Erika J Rabuck	5
00111	Moisture	EPA 160.3 modified	1	11/28/2003 18:15	Scott W Freisher	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	12/04/2003 08:40	Megan L Ross	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	12/02/2003 23:20	Annamaria Stipkovits	1

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. TL 4173148

Sample_1_North_Drum Grab Soil Sample TCLP NVE
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Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:30 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/10/2003 at 17:44
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

1NOTL SDG#: DCN98-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00949	TCLP Acid Base/Neutrals					
03324	Pyridine	110-86-1	N.D.	0.004	mg/l	1
03325	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	mg/l	1
03326	2-Methylphenol	95-48-7	N.D.	0.002	mg/l	1
03327	4-Methylphenol	106-44-5	N.D.	0.004	mg/l	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
03328	Hexachloroethane	67-72-1	N.D.	0.002	mg/l	1
03329	Nitrobenzene	98-95-3	N.D.	0.002	mg/l	1
03330	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/l	1
03331	2,4,6-Trichlorophenol	88-06-2	N.D.	0.002	mg/l	1
03332	2,4,5-Trichlorophenol	95-95-4	N.D.	0.002	mg/l	1
03333	2,4-Dinitrotoluene	121-14-2	N.D.	0.002	mg/l	1
03334	Hexachlorobenzene	118-74-1	N.D.	0.002	mg/l	1
03335	Pentachlorophenol	87-86-5	N.D.	0.006	mg/l	1

The semivolatile analyses were performed on a non-volatile toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94). If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

Total Methylphenols	200.0	Nitrobenzene	2.0
1,4-Dichlorobenzene	7.5	Pentachlorophenol	100.0
2,4-Dinitrotoluene	0.13	Pyridine	5.0
Hexachlorobenzene	0.13	2,4,5-Trichlorophenol	400.0
Hexachlorobutadiene	0.5	2,4,6-Trichlorophenol	2.0
Hexachloroethane	3.0		

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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Lancaster Laboratories

Lancaster Laboratories Sample No. TL 4173148

Sample_1_North_Drum Grab Soil Sample TCLP NVE
Site Code: SC001 RFA# ET03085
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:30 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/10/2003 at 17:44
Discard: 02/09/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

1NOTL SDG#: DCN98-02

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00949	TCLP Acid Base/Neutrals	SW-846 8270C	1	12/03/2003 14:01	Joseph M Gambler	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	12/01/2003 12:30	Carlene A Landis	n.a.
04731	TCLP Leachate Extraction	SW-846 3510C	1	12/02/2003 16:00	Elia R Botrous	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. TL 4173149

Sample_1_North_Drum Grab Soil Sample TCLP ZHE
Site Code: SC001 RFA# ET03085
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:30 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 15:32
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

1NDZH SDG#: DCN98-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03636	TCLP by 8260					
05386	Vinyl Chloride	75-01-4	N.D.	0.020	mg/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	0.016	mg/l	20
05396	Chloroform	67-66-3	N.D.	0.016	mg/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	0.020	mg/l	20
05401	Benzene	71-43-2	N.D.	0.010	mg/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.	0.020	mg/l	20
05403	Trichloroethene	79-01-6	N.D.	0.020	mg/l	20
05409	Tetrachloroethene	127-18-4	N.D.	0.016	mg/l	20
05413	Chlorobenzene	108-90-7	N.D.	0.016	mg/l	20
06305	2-Butanone	78-93-3	N.D.	0.060	mg/l	20

The volatile organic analyses were performed on a zero headspace toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94).
If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR Part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

Benzene	0.5	1,1-Dichloroethene	0.7
Carbon Tetrachloride	0.5	Methyl Ethyl Ketone (2-Butanone)	200.0
Chlorobenzene	100.0	Tetrachloroethene	0.7
Chloroform	6.0	Trichloroethene	0.5
1,2-Dichloroethane	0.5	Vinyl Chloride	0.2

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03636	TCLP by 8260	SW-846 8260B	1	12/03/2003 19:41	Susan McMahon-Luu	20
00946	TCLP Zero Headspace Extraction	SW-846 1311	1	12/01/2003 13:00	David G Splain Jr	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/03/2003 19:41	Susan McMahon-Luu	n.a.

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Lancaster Laboratories

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Site Code: SC001 RFA# ET03085
Dayton Thermal/Dayton, OH
Collected:11/25/2003 08:30 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 15:32
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

1NDZH SDG#: DCN98-03

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. SW 4173150

Sample_2_MH_Drums Grab Soil Sample
Site Code: SC001 RFA# ET03085
Dayton Thermal/Dayton, OH
Collected:11/25/2003 13:00 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 15:32
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

2MHDR SDG#: DCN98-04

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Method Detection Limit	Units	Dilution Factor
00159	Mercury	7439-97-6	N.D.	0.0033	mg/kg	1
06935	Arsenic	7440-38-2	2.93	0.595	mg/kg	1
06936	Selenium	7782-49-2	N.D.	0.559	mg/kg	1
06946	Barium	7440-39-3	16.6	0.0381	mg/kg	1
06949	Cadmium	7440-43-9	N.D.	0.0643	mg/kg	1
06951	Chromium	7440-47-3	6.45	0.238	mg/kg	1
06955	Lead	7439-92-1	14.4	0.940	mg/kg	1
06966	Silver	7440-22-4	N.D.	0.179	mg/kg	1
00111	Moisture	n.a.	16.8	0.50	%	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00159	Mercury	SW-846 7471A	1	12/04/2003 10:36	Damary Valentin	1
06935	Arsenic	SW-846 6010B	1	12/05/2003 04:31	Donna R Sackett	1
06936	Selenium	SW-846 6010B	1	12/05/2003 04:31	Donna R Sackett	1
06946	Barium	SW-846 6010B	1	12/05/2003 04:31	Donna R Sackett	1
06949	Cadmium	SW-846 6010B	1	12/05/2003 04:31	Donna R Sackett	1
06951	Chromium	SW-846 6010B	1	12/05/2003 04:31	Donna R Sackett	1
06955	Lead	SW-846 6010B	1	12/05/2003 04:31	Donna R Sackett	1
06966	Silver	SW-846 6010B	1	12/05/2003 04:31	Donna R Sackett	1
00111	Moisture	EPA 160.3 modified	1	11/28/2003 18:15	Scott W Freisher	1
05708	SW SW846 ICP Digest	SW-846 3050B	1	12/04/2003 08:40	Megan L Ross	1
05711	SW SW846 Hg Digest	SW-846 7471A modified	1	12/02/2003 23:20	Annamaria Stipkovits	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. TL 4173151

Sample_2_MH_Drums Grab Soil Sample TCLP NVE
Site Code: SC001 RFA# ET03085
Dayton Thermal/Dayton, OH
Collected:11/25/2003 13:00 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 15:32
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MH2DT SDG#: DCN98-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
00949	TCLP Acid Base/Neutrals					
03324	Pyridine	110-86-1	N.D.	0.004	mg/l	1
03325	1,4-Dichlorobenzene	106-46-7	N.D.	0.002	mg/l	1
03326	2-Methylphenol	95-48-7	N.D.	0.002	mg/l	1
03327	4-Methylphenol	106-44-5	N.D.	0.004	mg/l	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
03328	Hexachloroethane	67-72-1	N.D.	0.002	mg/l	1
03329	Nitrobenzene	98-95-3	N.D.	0.002	mg/l	1
03330	Hexachlorobutadiene	87-68-3	N.D.	0.002	mg/l	1
03331	2,4,6-Trichlorophenol	88-06-2	N.D.	0.002	mg/l	1
03332	2,4,5-Trichlorophenol	95-95-4	N.D.	0.002	mg/l	1
03333	2,4-Dinitrotoluene	121-14-2	N.D.	0.002	mg/l	1
03334	Hexachlorobenzene	118-74-1	N.D.	0.002	mg/l	1
03335	Pentachlorophenol	87-86-5	N.D.	0.006	mg/l	1

The semivolatile analyses were performed on a non-volatile toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94). If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

Total Methylphenols	200.0	Nitrobenzene	2.0
1,4-Dichlorobenzene	7.5	Pentachlorophenol	100.0
2,4-Dinitrotoluene	0.13	Pyridine	5.0
Hexachlorobenzene	0.13	2,4,5-Trichlorophenol	400.0
Hexachlorobutadiene	0.5	2,4,6-Trichlorophenol	2.0
Hexachloroethane	3.0		

Laboratory Chronicle

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717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
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umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

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B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. TL 4173151

Sample_2_MH_Drums Grab Soil Sample TCLP NVE
Site Code: SC001 RFA# ET03085
Dayton Thermal/Dayton, OH
Collected:11/25/2003 13:00 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 15:32
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MH2DT SDG#: DCN98-05

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
00949	TCLP Acid Base/Neutrals	SW-846 8270C	1	12/03/2003 15:44	Joseph M Gambler	1
00947	TCLP Non-volatile Extraction	SW-846 1311	1	12/01/2003 12:30	Carlene A Landis	n.a.
04731	TCLP Leachate Extraction	SW-846 3510C	1	12/02/2003 16:00	Elia R Botrous	1

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. TL 4173152

Sample_2_MH_Drums Grab Soil Sample TCLP ZHE
Site Code: SC001 RFA# ET03085
Dayton Thermal/Dayton, OH
Collected:11/25/2003 13:00 by BD

Account Number: 10160

Submitted: 11/26/2003 09:35
Reported: 12/09/2003 at 15:32
Discard: 02/08/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

MHDZH SDG#: DCN98-06*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
03636	TCLP by 8260					
05386	Vinyl Chloride	75-01-4	N.D.	0.020	mg/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	0.016	mg/l	20
05396	Chloroform	67-66-3	N.D.	0.016	mg/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	0.020	mg/l	20
05401	Benzene	71-43-2	N.D.	0.010	mg/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.	0.020	mg/l	20
05403	Trichloroethene	79-01-6	N.D.	0.020	mg/l	20
05409	Tetrachloroethene	127-18-4	N.D.	0.016	mg/l	20
05413	Chlorobenzene	108-90-7	N.D.	0.016	mg/l	20
06305	2-Butanone	78-93-3	N.D.	0.060	mg/l	20

The volatile organic analyses were performed on a zero headspace toxicity characteristic leachate of the submitted waste. The leachate was prepared according to the procedure specified in SW-846, Chapter 7.4 (Revision 3, 12/94).
If the TCLP extract contains any one of the Toxicity Characteristic (TC) constituents in an amount equal to or exceeding the concentrations specified in 40 CFR Part 261.24, the waste possesses the characteristic of toxicity and is a hazardous waste. These limits are listed below in mg/L. Other limits may apply for analyses performed under other regulations.

Benzene	0.5	1,1-Dichloroethene	0.7
Carbon Tetrachloride	0.5	Methyl Ethyl Ketone (2-Butanone)	200.0
Chlorobenzene	100.0	Tetrachloroethene	0.7
Chloroform	6.0	Trichloroethene	0.5
1,2-Dichloroethane	0.5	Vinyl Chloride	0.2

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
03636	TCLP by 8260	SW-846 8260B	1	12/03/2003 20:07	Susan McMahon-Luu	20
00946	TCLP Zero Headspace Extraction	SW-846 1311	1	12/01/2003 13:00	David G Splain Jr	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/03/2003 20:07	Susan McMahon-Luu	n.a.

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Lancaster Laboratories

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Collected:11/25/2003 13:00 by BD

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation
Reported: 12/09/03 at 03:32 PM

Group Number: 876488

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 03332820003A	Sample number(s): 4173147,4173150							
Moisture				100		99-101		
Batch number: 033365711003	Sample number(s): 4173147,4173150							
Mercury	N.D.	0.0028	mg/kg	90		76-115		
Batch number: 03336WAC026	Sample number(s): 4173148,4173151							
Pyridine	N.D.	0.004	mg/l	68		20-90		
1,4-Dichlorobenzene	N.D.	0.002	mg/l	81		42-104		
2-Methylphenol	N.D.	0.002	mg/l	75		56-105		
4-Methylphenol	N.D.	0.004	mg/l	64		23-139		
Hexachloroethane	N.D.	0.002	mg/l	93		22-102		
Nitrobenzene	N.D.	0.002	mg/l	99		63-112		
Hexachlorobutadiene	N.D.	0.002	mg/l	92		20-111		
2,4,6-Trichlorophenol	N.D.	0.002	mg/l	83		73-111		
2,4,5-Trichlorophenol	N.D.	0.002	mg/l	86		70-115		
2,4-Dinitrotoluene	N.D.	0.002	mg/l	84		76-120		
Hexachlorobenzene	N.D.	0.002	mg/l	100		71-110		
Pentachlorophenol	N.D.	0.006	mg/l	69		53-114		
Batch number: 033385708003	Sample number(s): 4173147,4173150							
Arsenic	N.D.	0.500	mg/kg	96		90-110		
Selenium	N.D.	0.470	mg/kg	105		94-114		
Barium	N.D.	0.0320	mg/kg	105		96-117		
Cadmium	N.D.	0.0540	mg/kg	99		88-106		
Chromium	N.D.	0.200	mg/kg	100		92-114		
Lead	N.D.	0.790	mg/kg	99		86-109		
Silver	N.D.	0.150	mg/kg	128		84-166		
Batch number: N033371AD	Sample number(s): 4173149,4173152							
Vinyl Chloride	N.D.	20.	ug/l	86		71-129		
1,1-Dichloroethene	N.D.	16.	ug/l	101		79-130		
Chloroform	N.D.	16.	ug/l	97		86-124		
Carbon Tetrachloride	N.D.	20.	ug/l	99		77-130		
Benzene	N.D.	10.	ug/l	96		85-117		
1,2-Dichloroethane	N.D.	20.	ug/l	97		77-132		
Trichloroethene	N.D.	20.	ug/l	97		87-117		
Tetrachloroethene	N.D.	16.	ug/l	102		82-126		
Chlorobenzene	N.D.	16.	ug/l	94		85-115		
2-Butanone	N.D.	60.	ug/l	129		45-154		

Sample Matrix Quality Control

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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ppb parts per billion

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B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
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X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Lancaster Laboratories

Quality Control Summary

Client Name: DaimlerChrysler Corporation Group Number: 876488
Reported: 12/09/03 at 03:32 PM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: 03332820003A	Sample number(s): 4173147,4173150								
Moisture						2.8	2.7	3	15
Batch number: 033365711003	Sample number(s): 4173147,4173150								
Mercury	(2)	(2)	80-120	19	20	1.08	0.673	47* (1)	20
Batch number: 03336WAC026	Sample number(s): 4173148,4173151								
Pyridine	70	72	18-100	4	30				
1,4-Dichlorobenzene	83	83	42-105	0	30				
2-Methylphenol	76	80	34-119	5	30				
4-Methylphenol	64	69	11-144	8	30				
Hexachloroethane	99	101	20-116	2	30				
Nitrobenzene	101	103	43-133	2	30				
Hexachlorobutadiene	96	99	22-120	3	30				
2,4,6-Trichlorophenol	90	89	31-140	0	30				
2,4,5-Trichlorophenol	90	90	38-138	0	30				
2,4-Dinitrotoluene	91	93	43-145	1	30				
Hexachlorobenzene	100	102	65-114	1	30				
Pentachlorophenol	75	80	5-141	7	30				
Batch number: 033385708003	Sample number(s): 4173147,4173150								
Arsenic	92	93	75-112	1	20	4.89	3.81	25* (1)	20
Selenium	94	95	75-125	1	20	N.D.	N.D.	0 (1)	20
Barium	94	88	75-125	4	20	161.	128.	22*	20
Cadmium	69*	70*	75-125	1	20	N.D.	N.D.	0 (1)	20
Chromium	109	100	75-125	3	20	33.3	24.6	30*	20
Lead	(2)	(2)	75-125	18	20	912.	526.	54*	20
Silver	92	92	75-125	0	20	N.D.	N.D.	0 (1)	20
Batch number: N033371AD	Sample number(s): 4173149,4173152								
Vinyl Chloride	73	79	64-148	8	30				
1,1-Dichloroethene	81	83	78-146	3	30				
Chloroform	88	91	82-131	3	30				
Carbon Tetrachloride	82	89	73-144	8	30				
Benzene	88	87	83-128	1	30				
1,2-Dichloroethane	89	92	73-136	3	30				
Trichloroethene	84	86	75-135	2	30				
Tetrachloroethene	80	84	75-143	5	30				
Chlorobenzene	83	86	83-120	3	30				
2-Butanone	80	83	42-140	5	30				

Surrogate Quality Control

Analysis Name: TCLP Acid Base/Neutrals
Batch number: 03336WAC026

Nitrobenzene-d5	2-Fluorobiphenyl	Terphenyl-d14	Phenol-d6

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The background result was more than four times the spike added.

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
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g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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Reported: 12/09/03 at 03:32 PM

Surrogate Quality Control

4173148	107	88	82	45
4173151	105	87	98	44
Blank	109	89	92	42
LCS	110	89	95	46
MS	107	92	111	45
MSD	111	92	105	48
Limits:	54-124	64-112	43-116	10-80

	2-Fluorophenol	2,4,6-Tribromophenol
4173148	65	106
4173151	60	109
Blank	61	107
LCS	67	109
MS	65	118
MSD	67	115
Limits:	23-94	40-136

Analysis Name: TCLP by 8260
Batch number: N033371AD

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4173149	93	84	90	86
4173152	94	88	87	84
Blank	92	86	91	88
LCS	94	85	91	91
MS	93	85	90	88
MSD	92	88	90	90
Limits:	81-120	82-112	85-112	83-113

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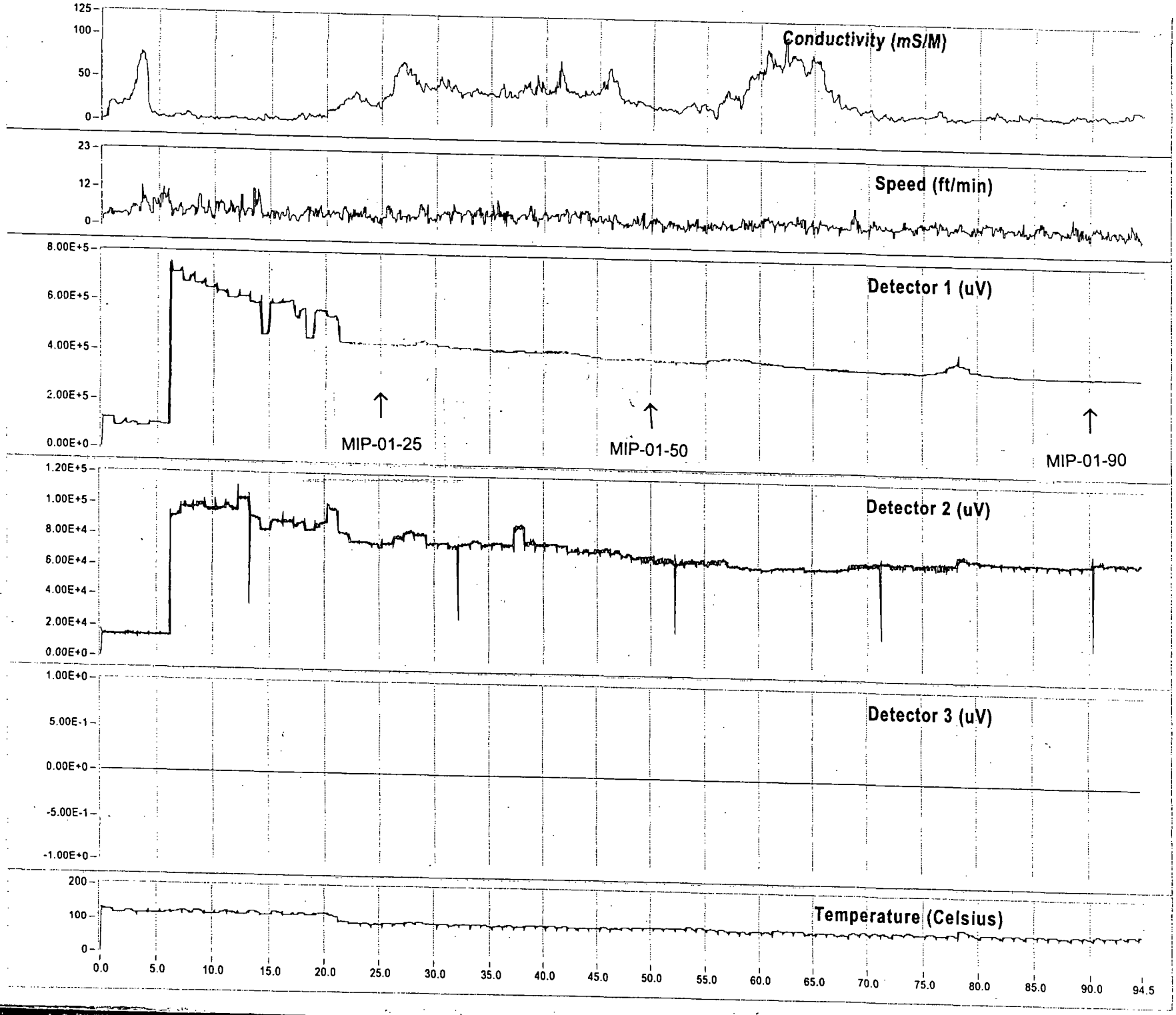

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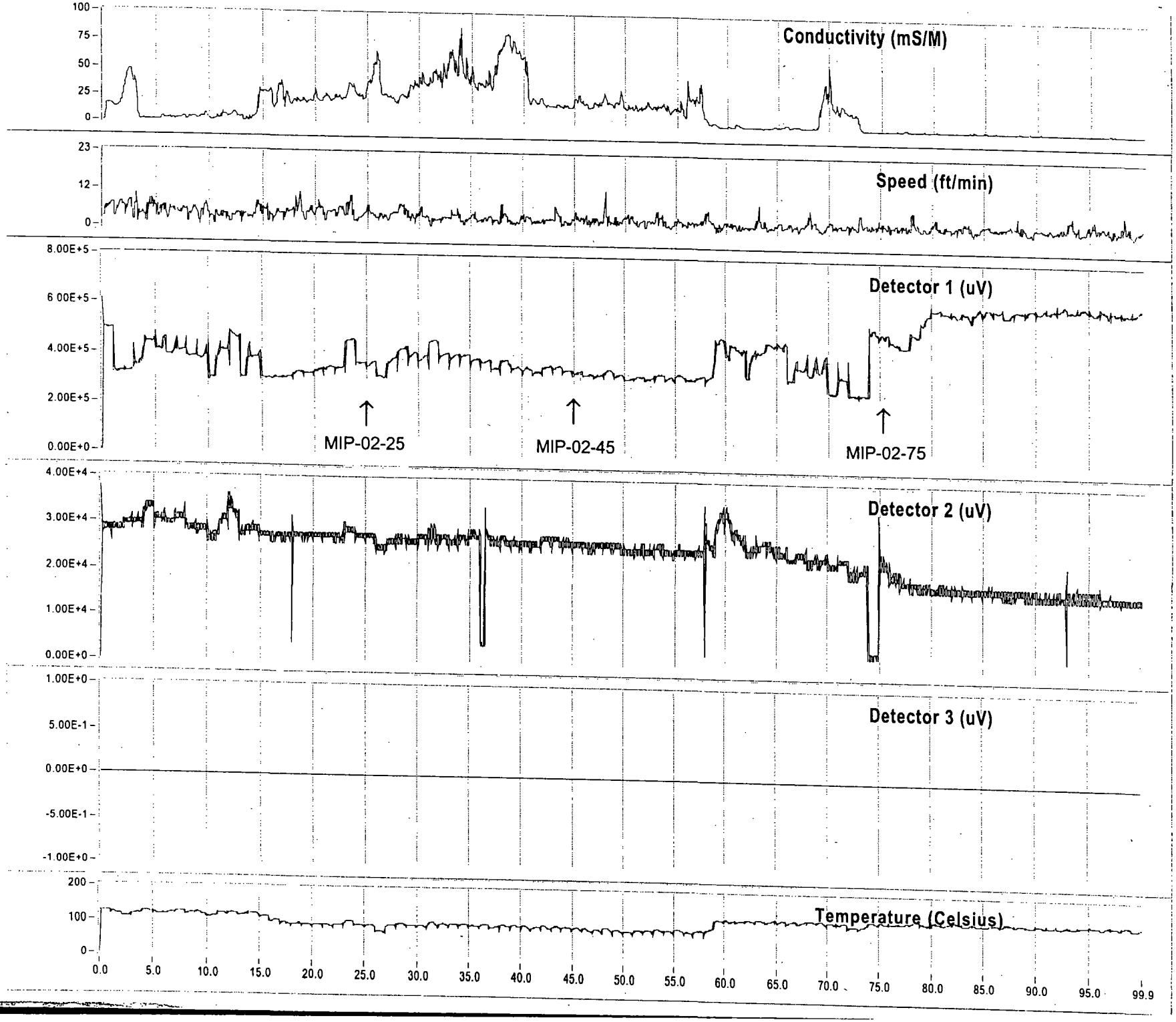

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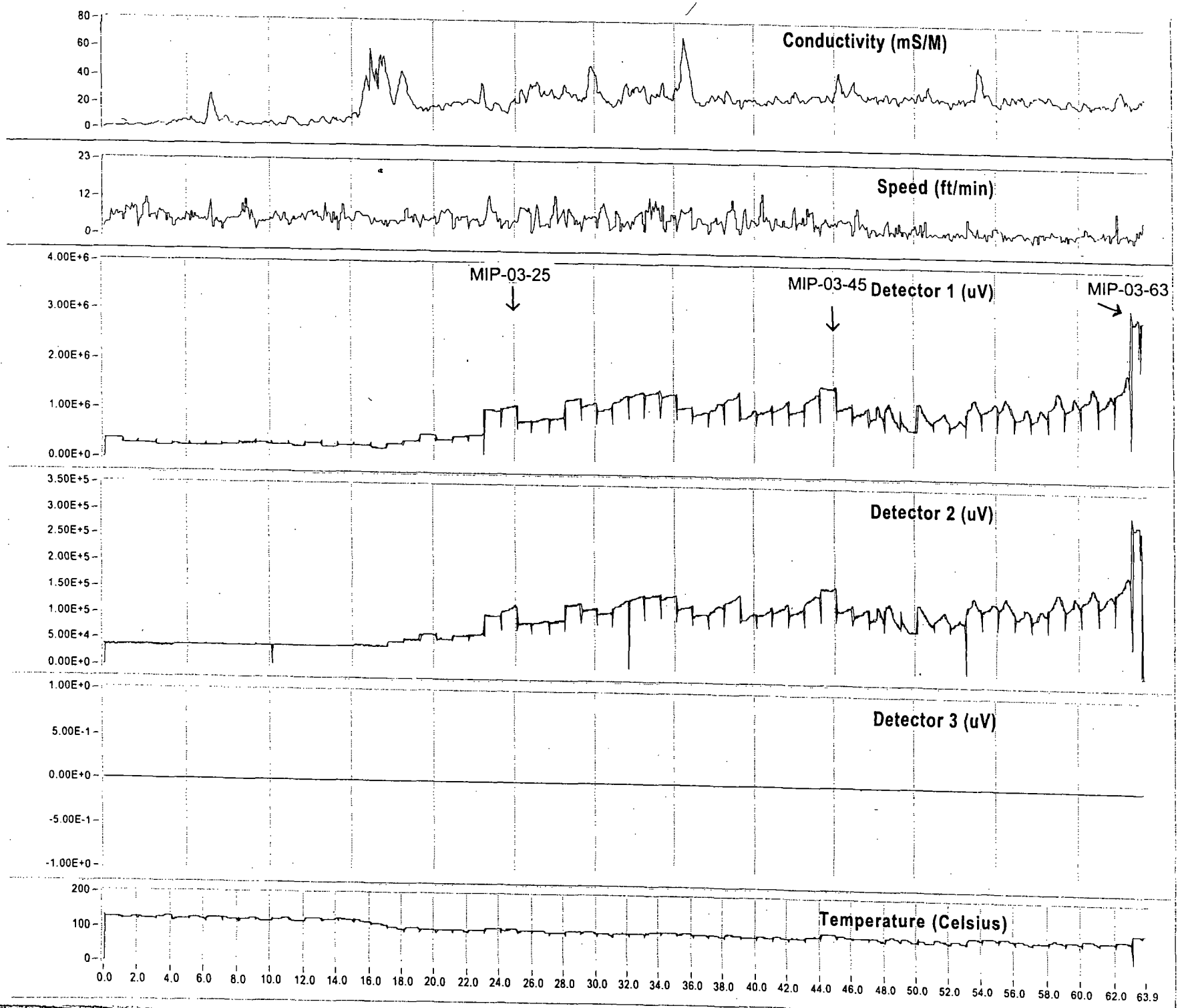

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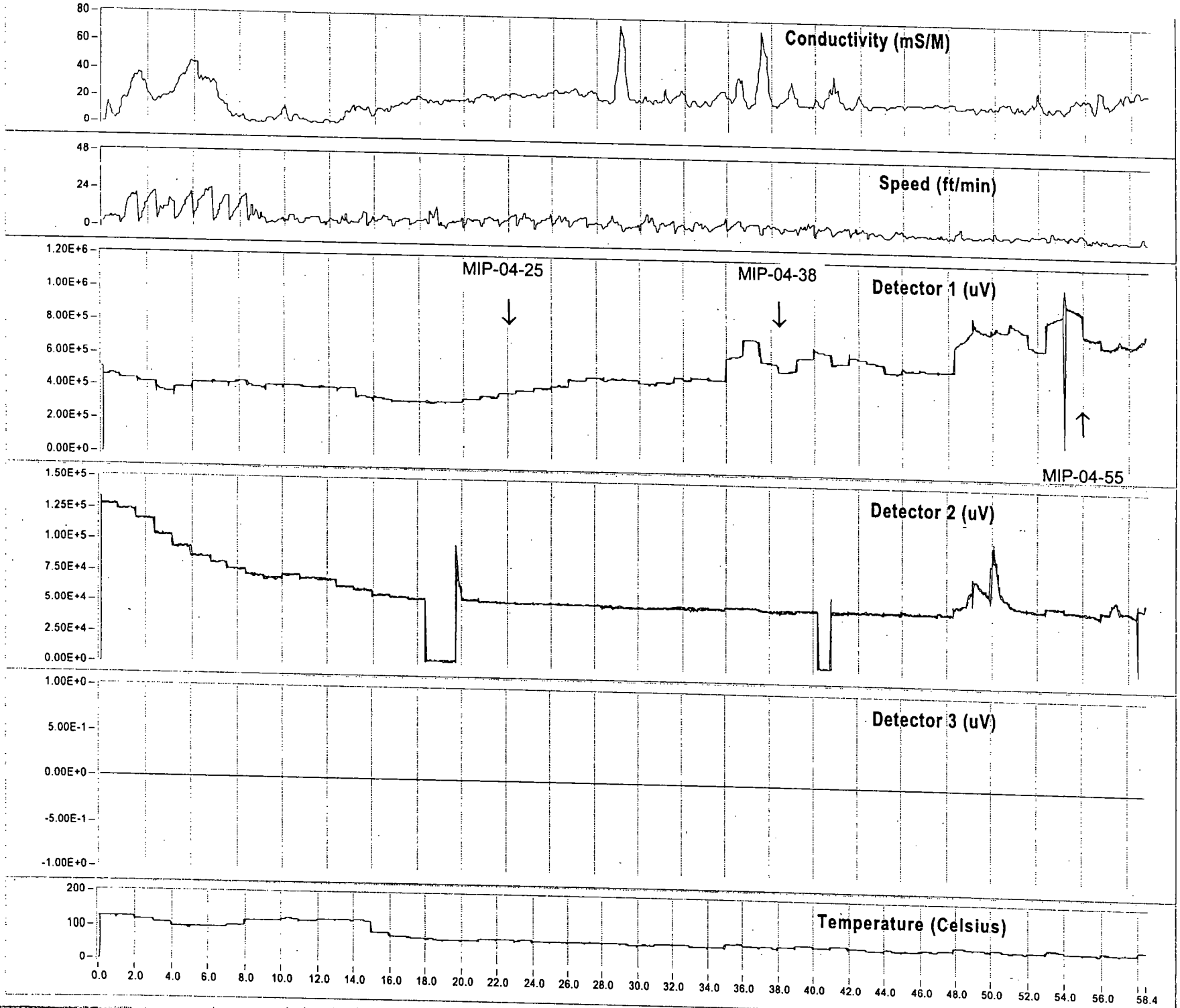

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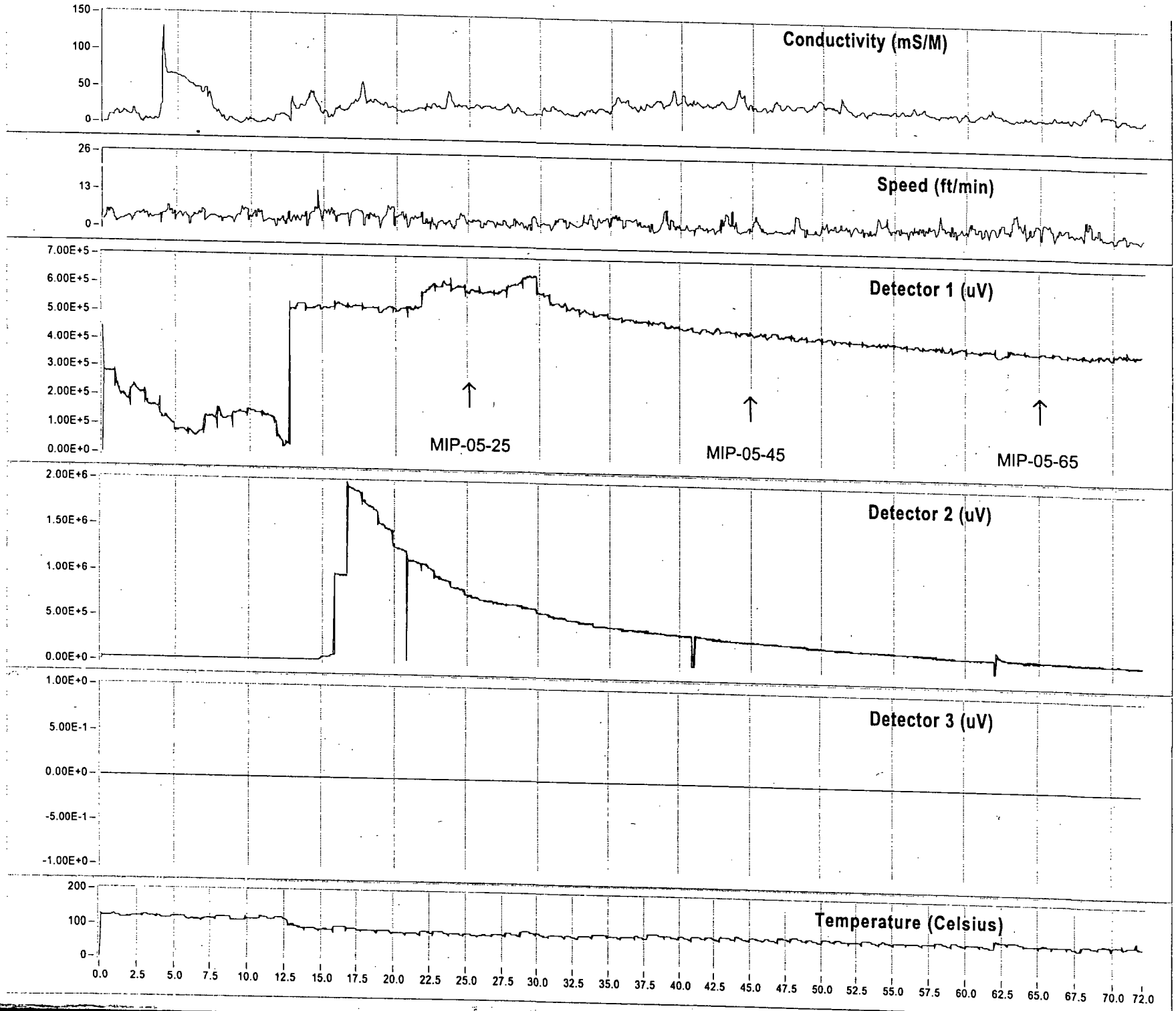

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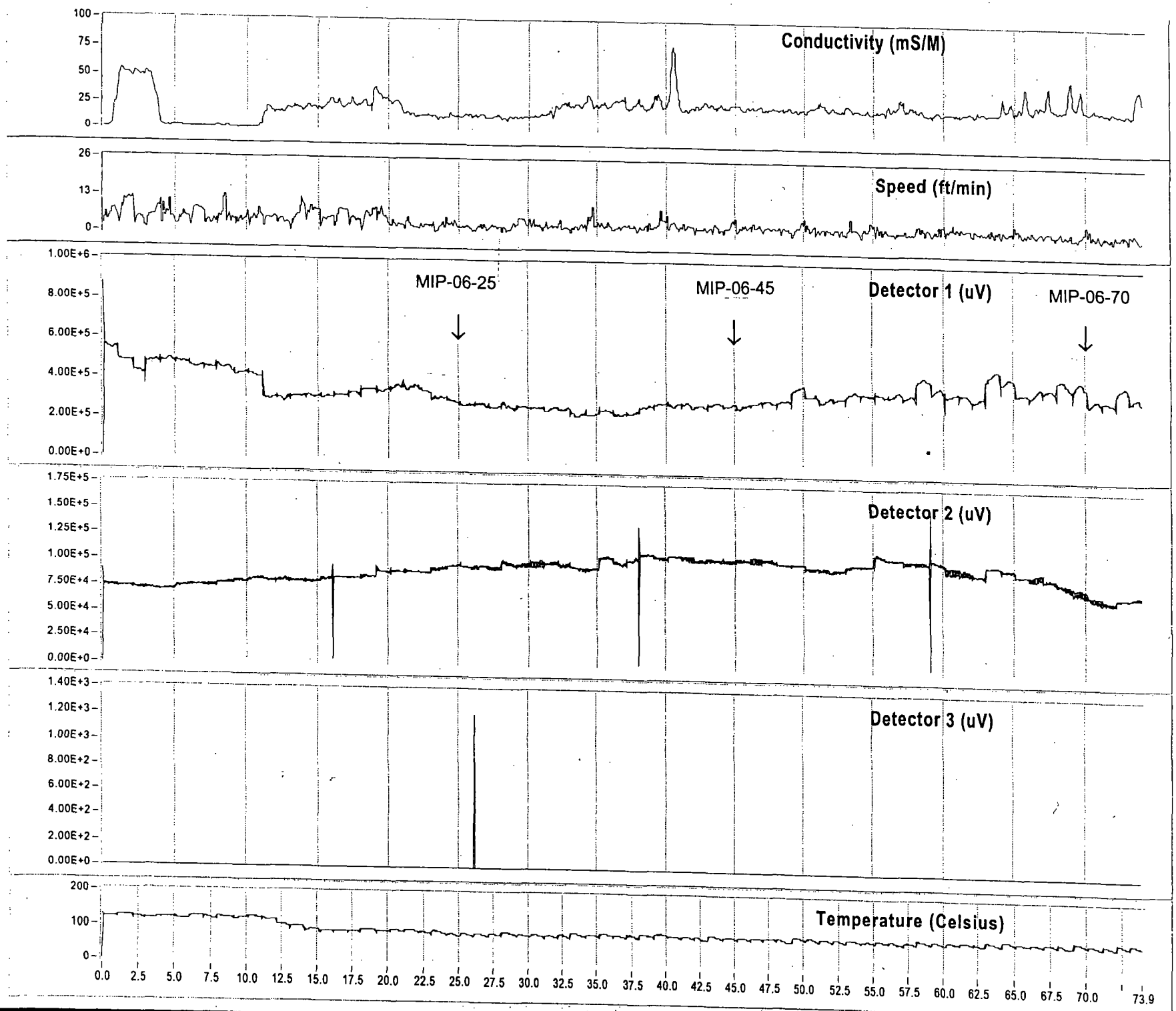

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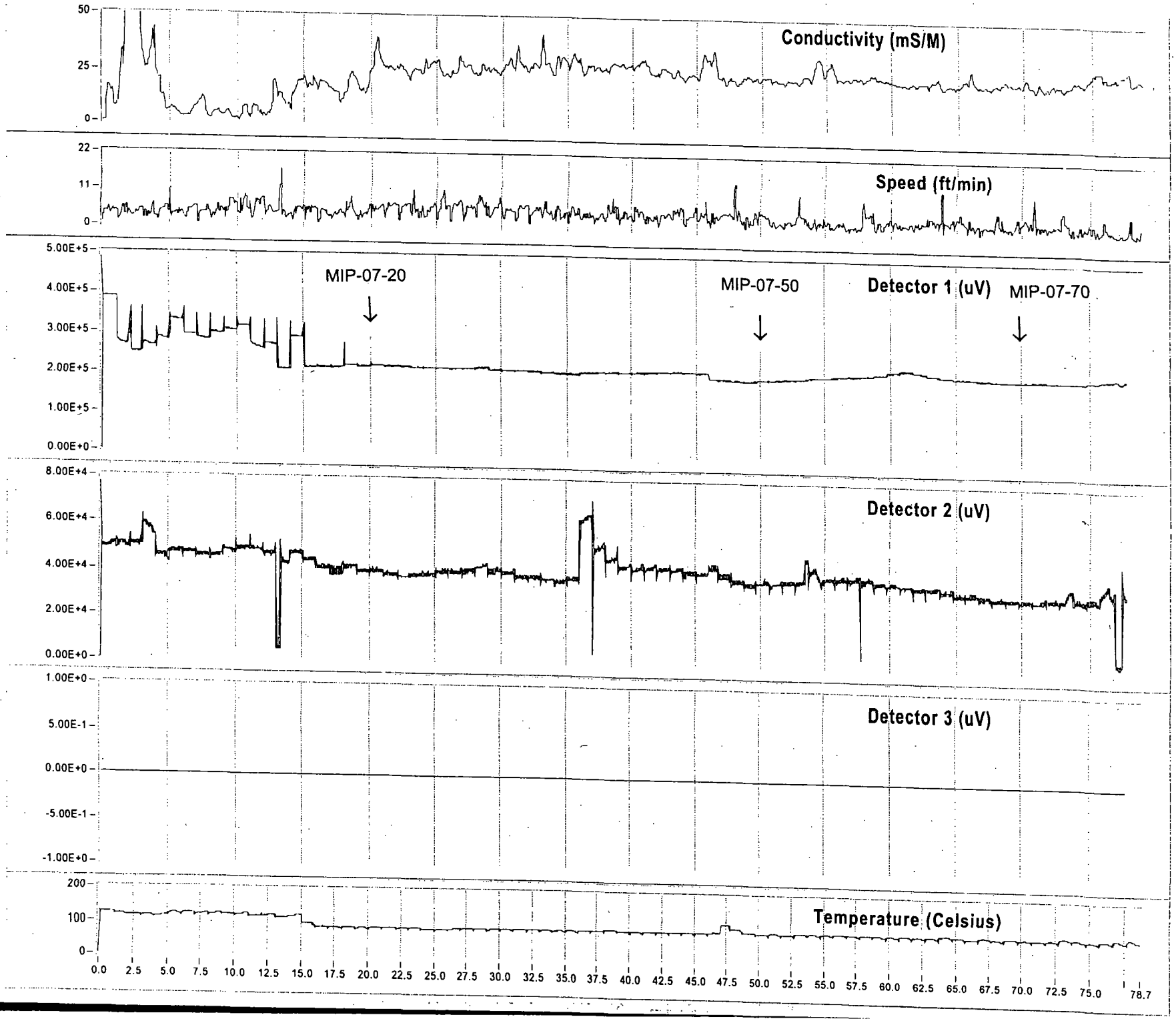

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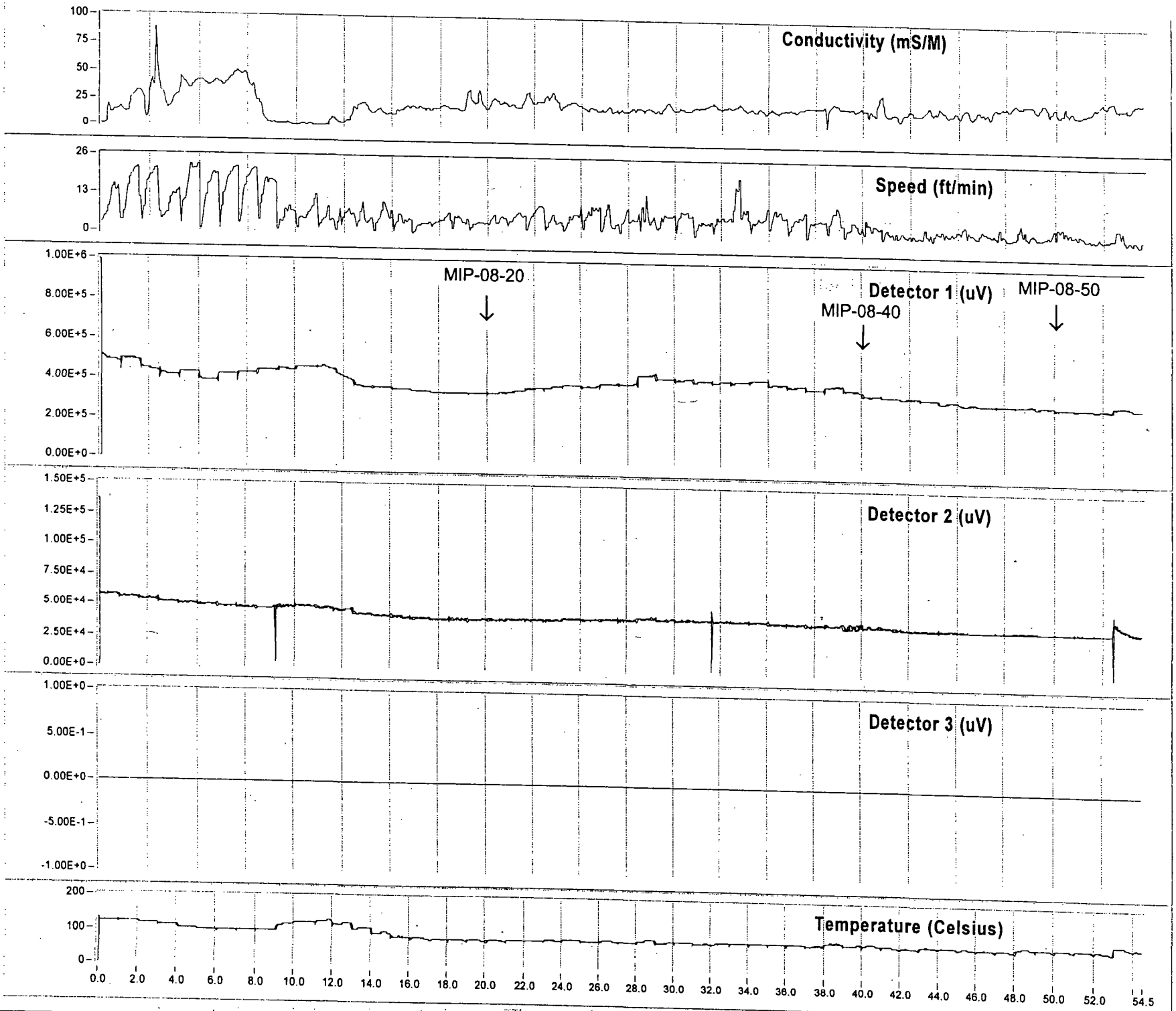

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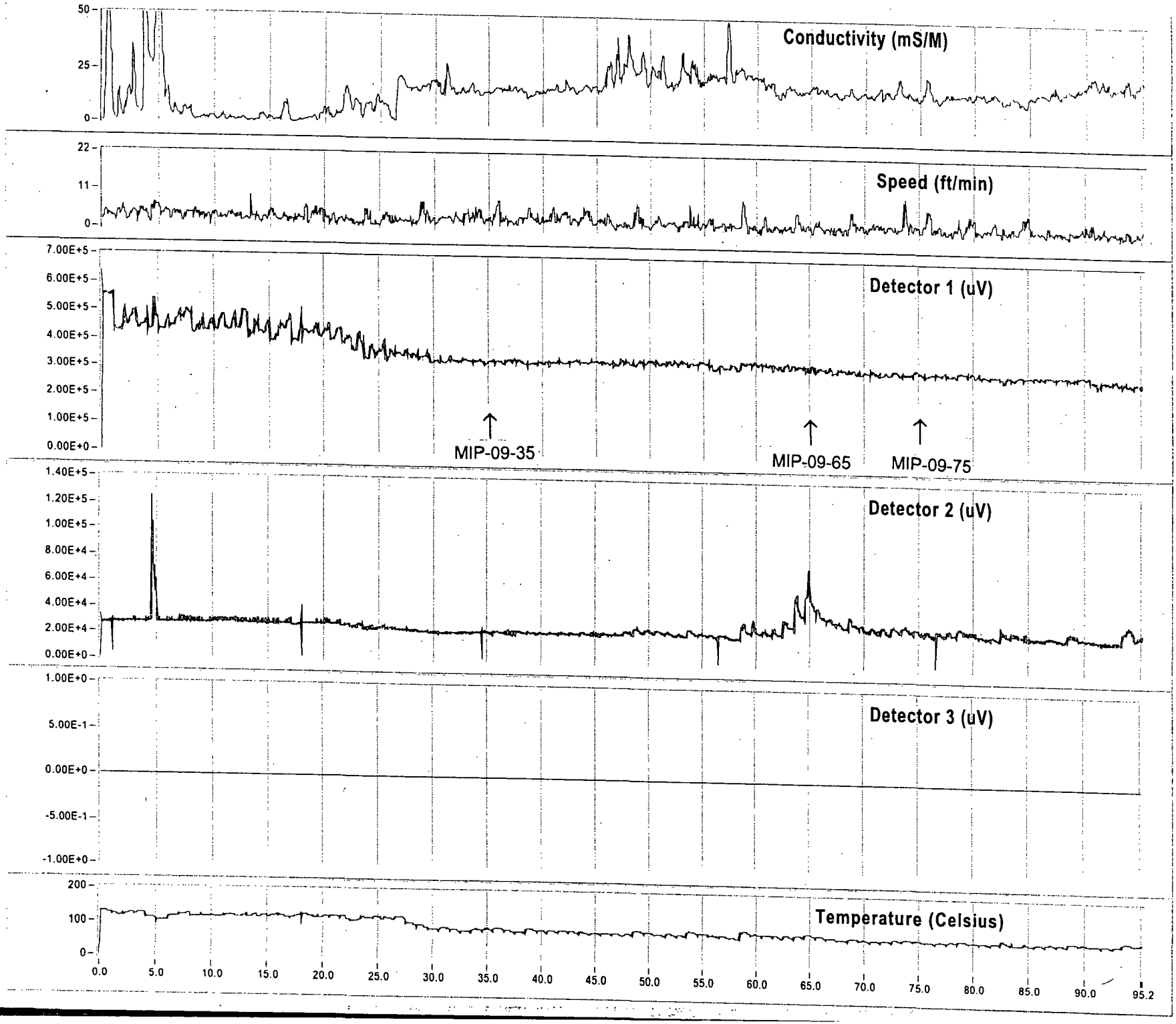

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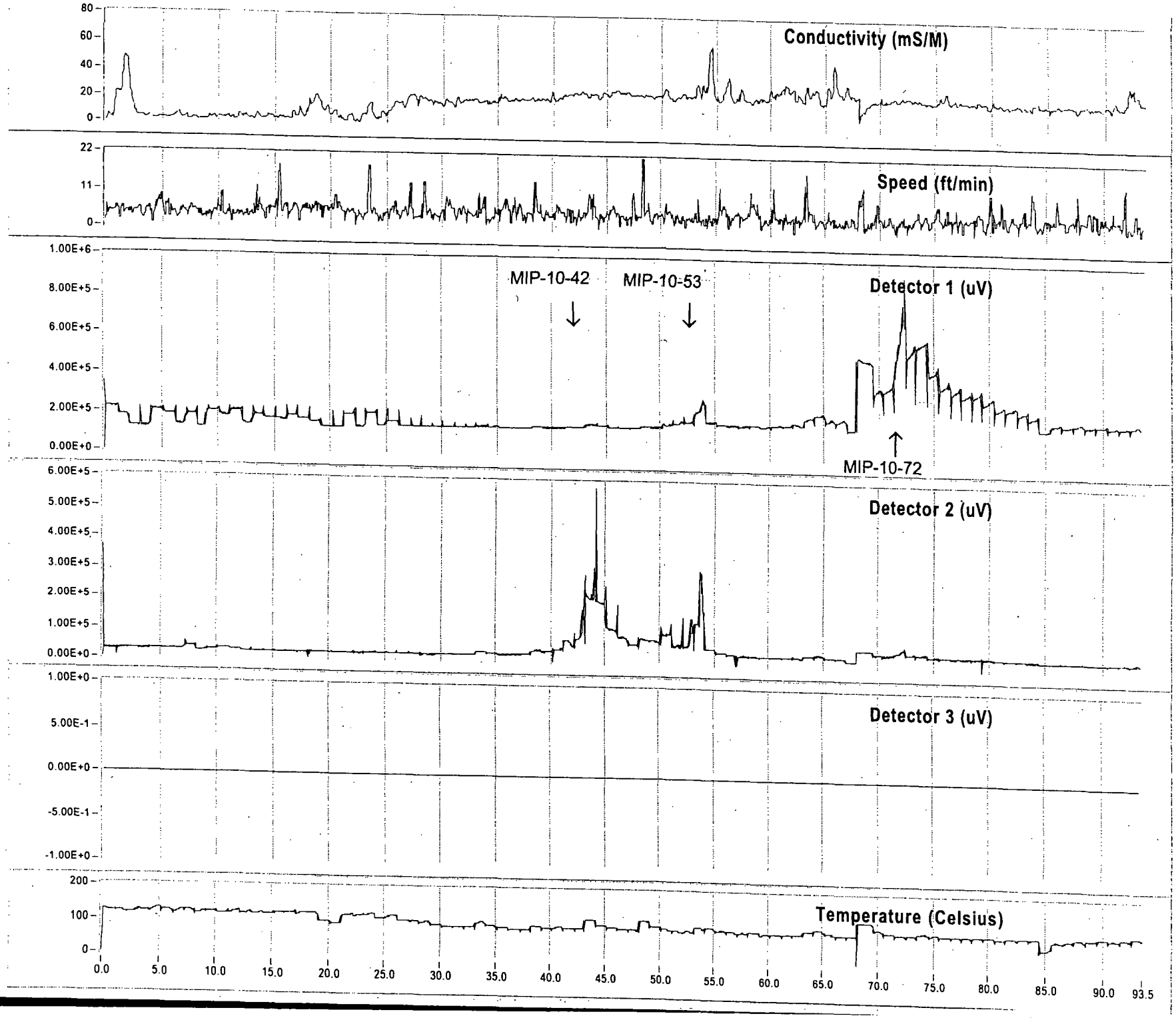

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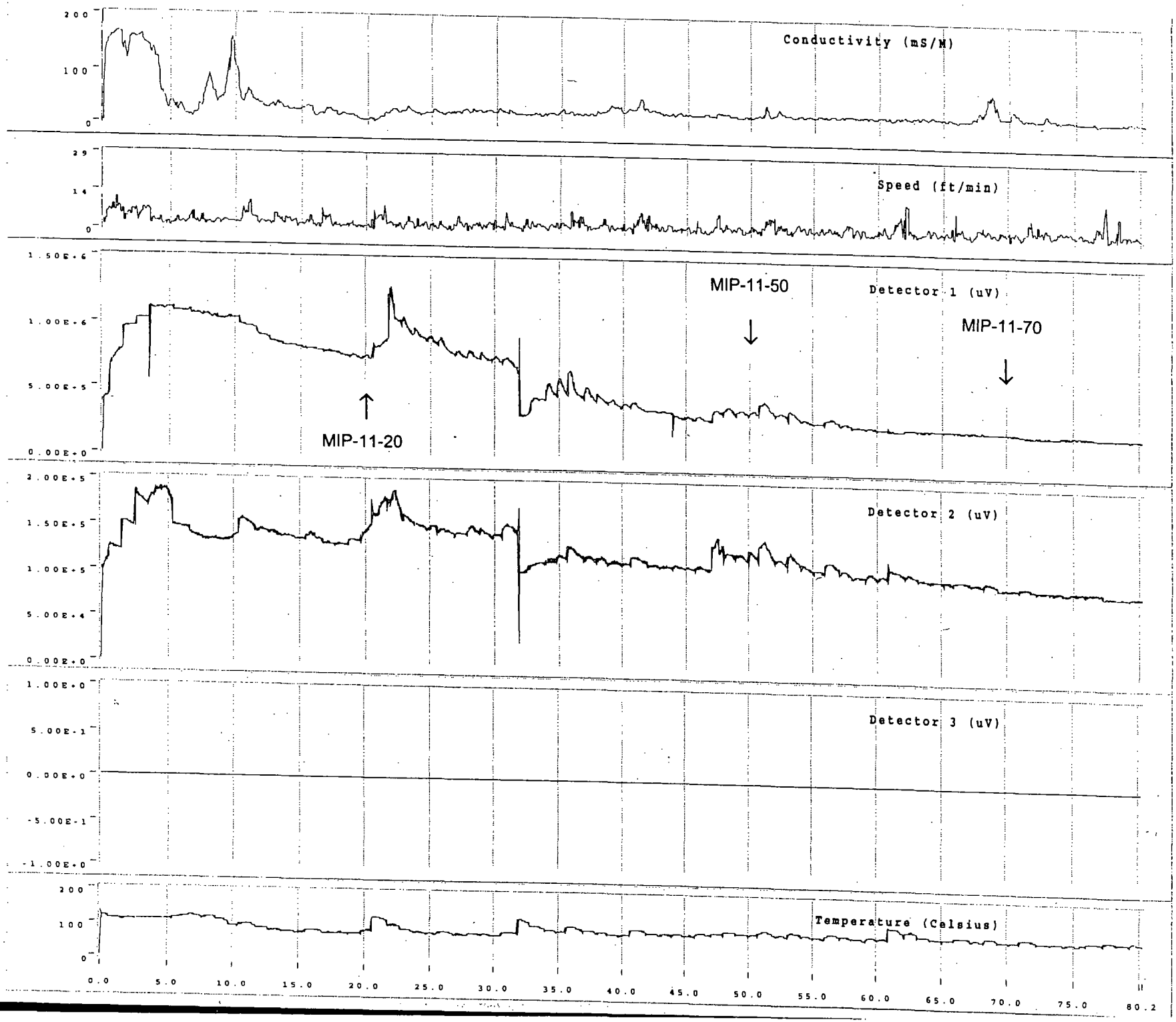

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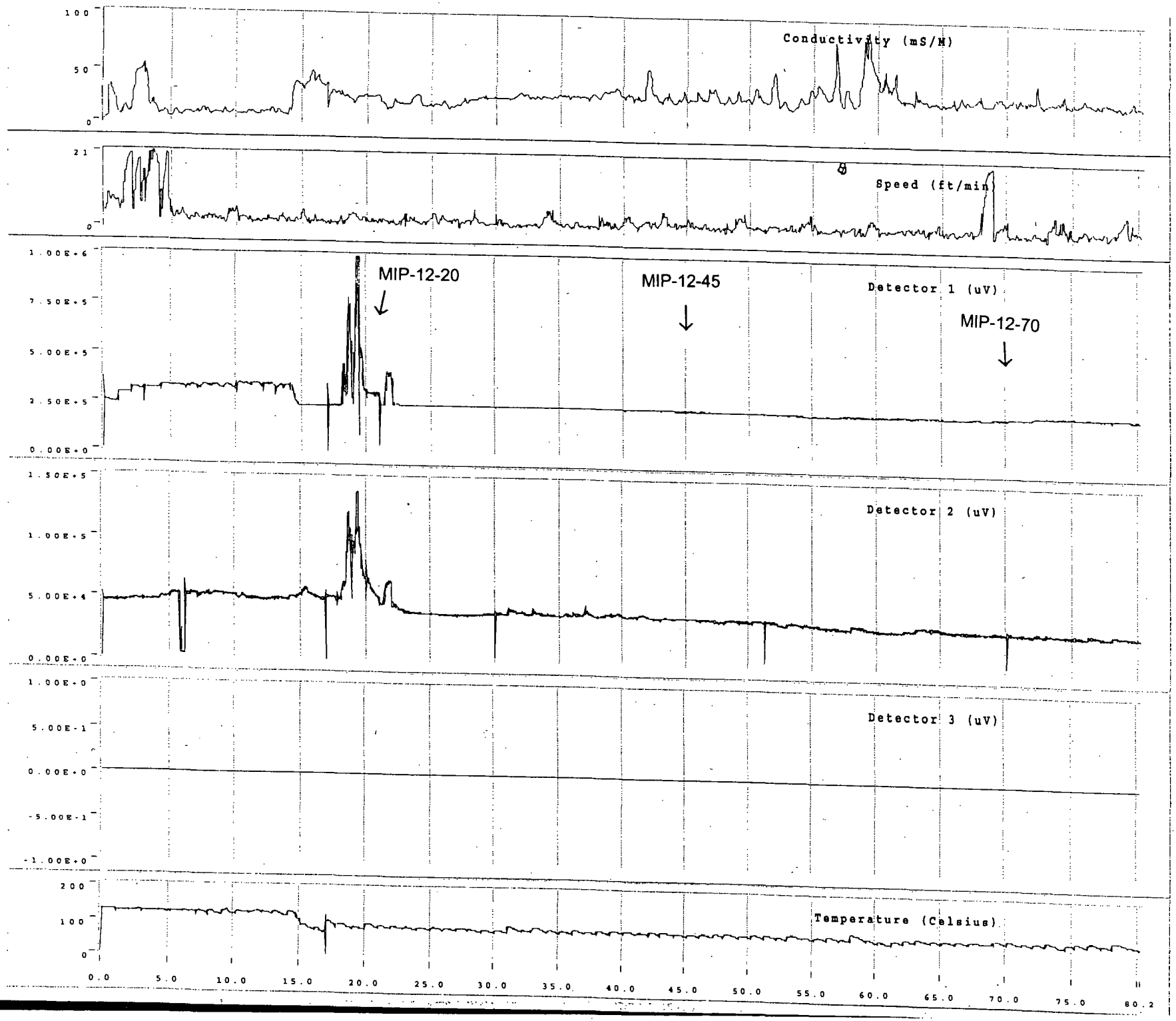

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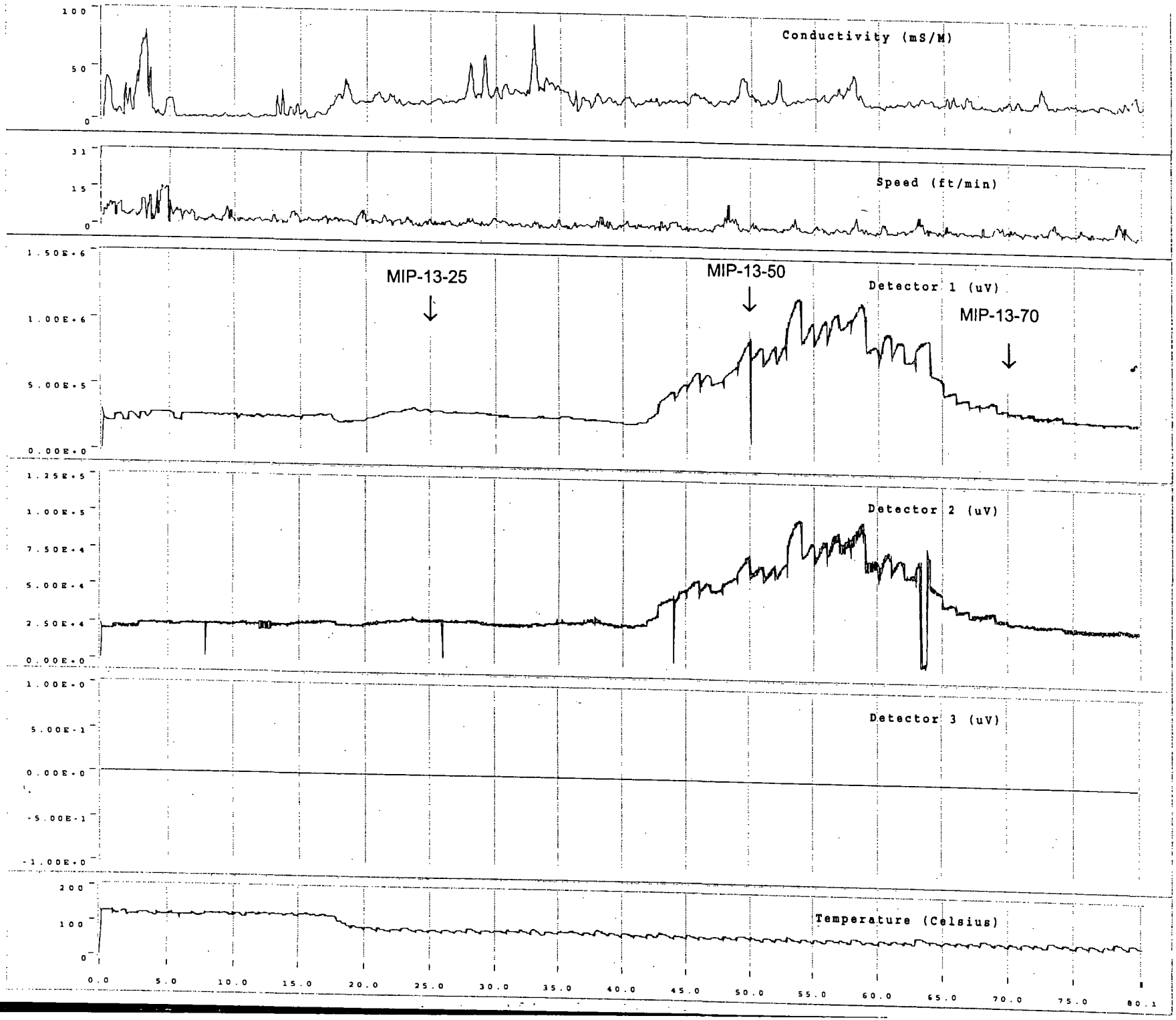

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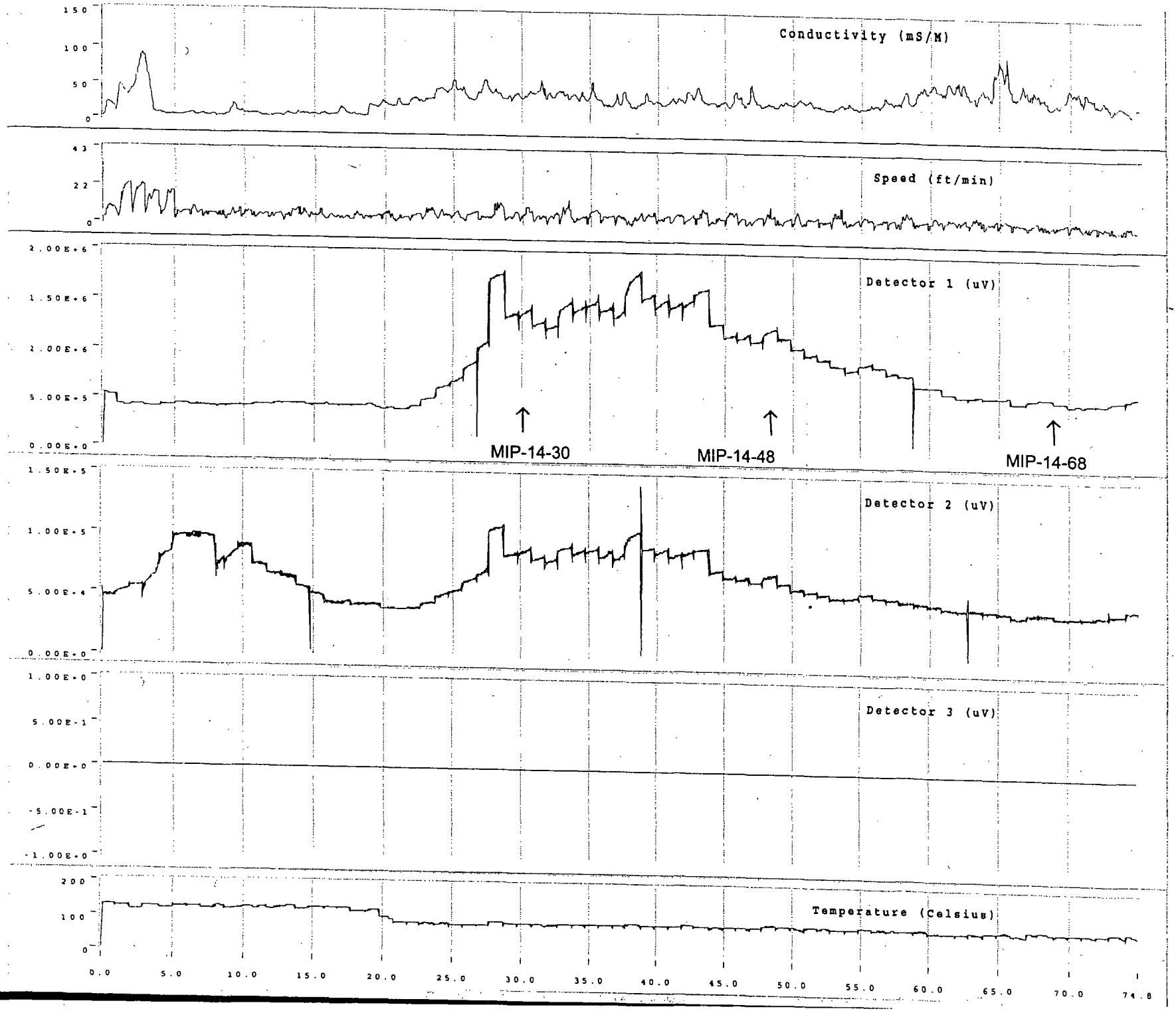

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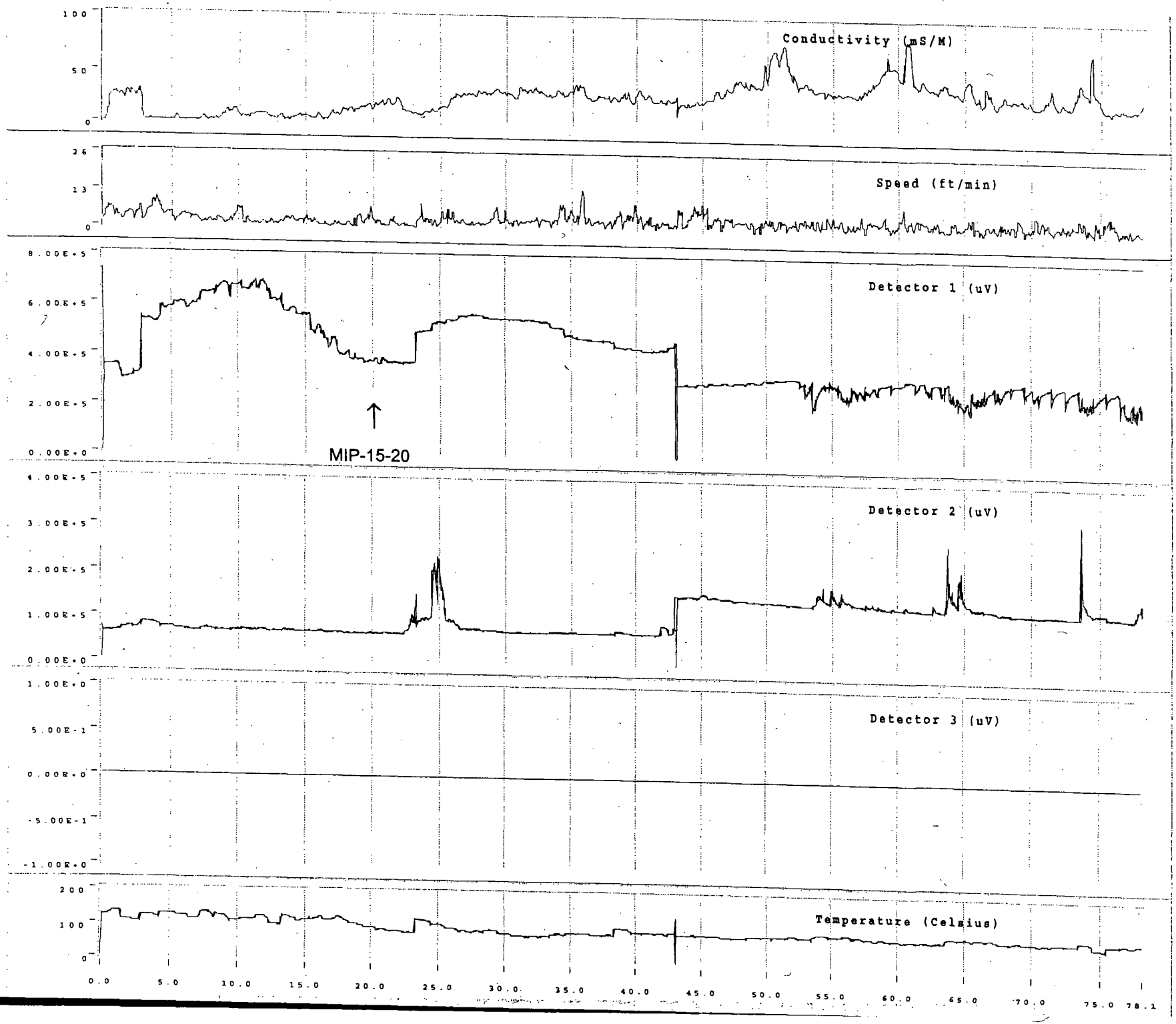

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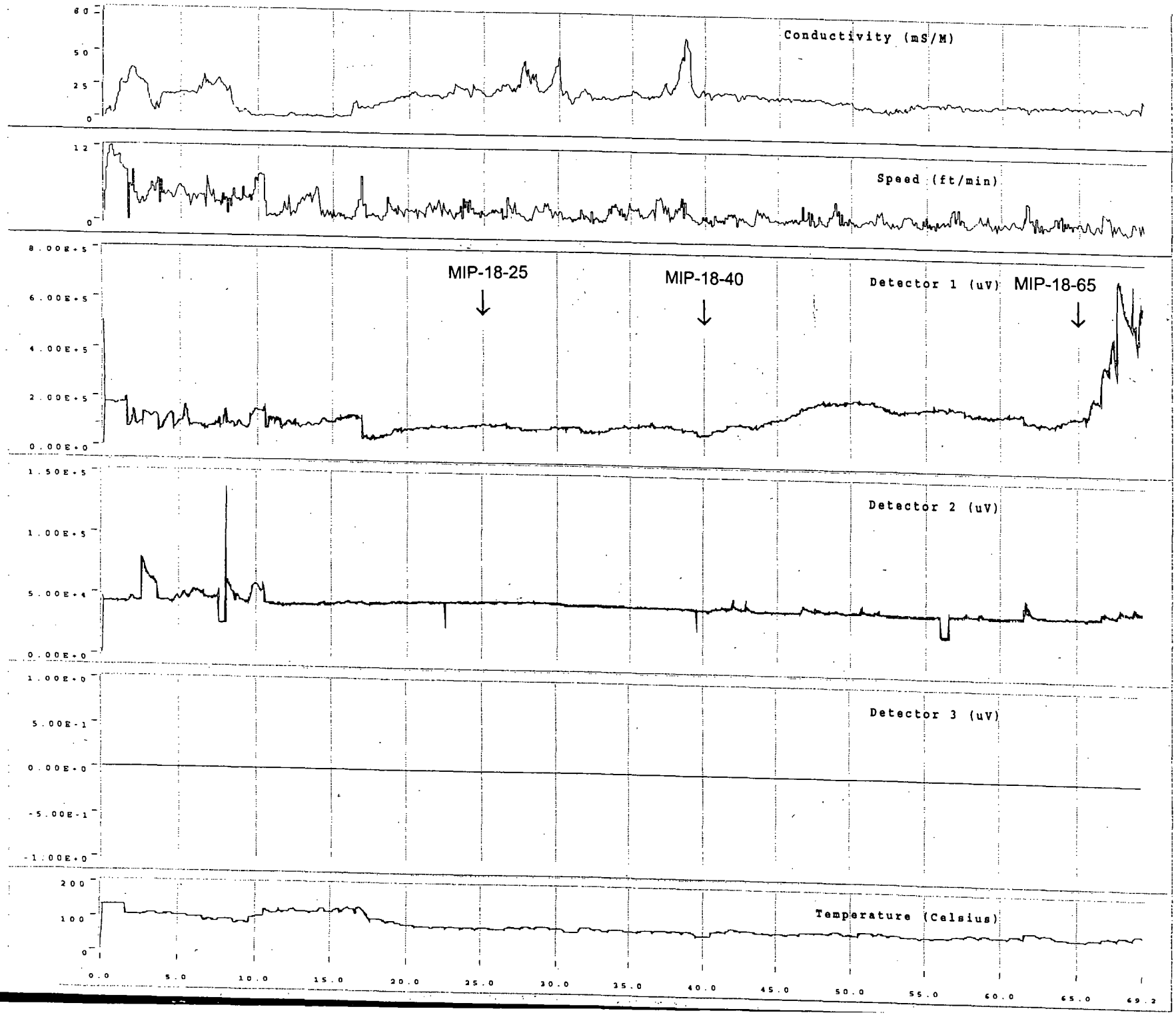

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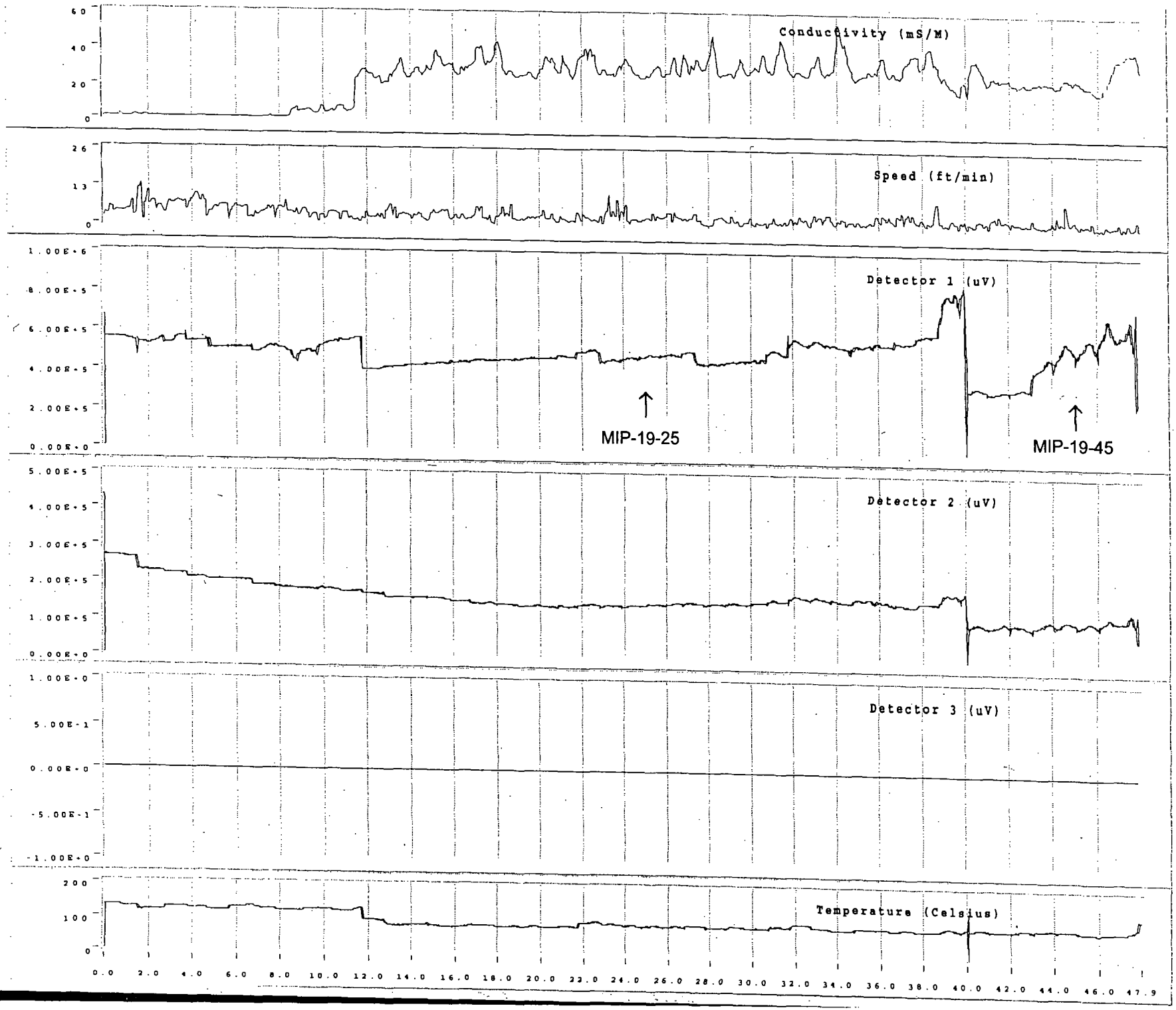

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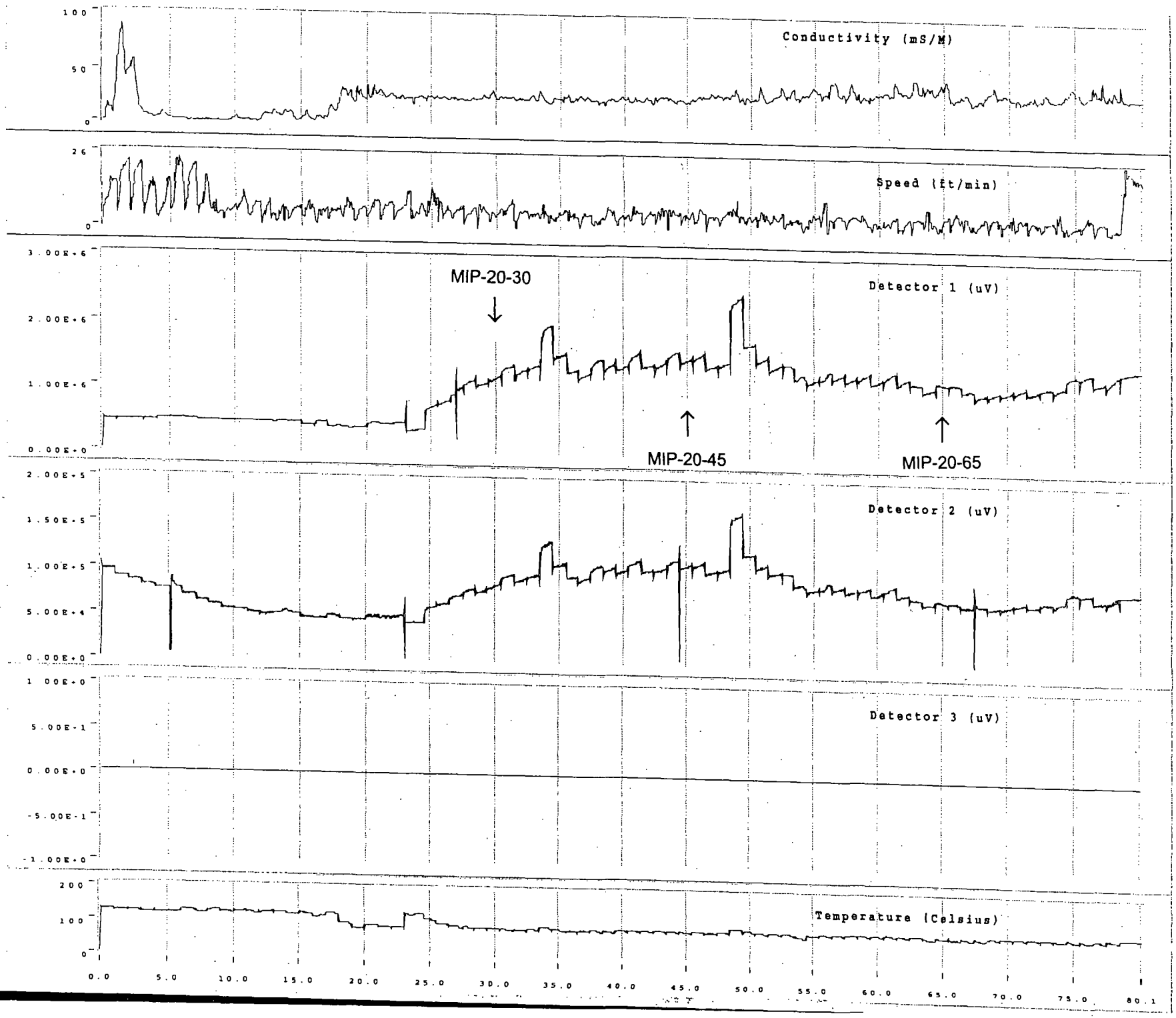

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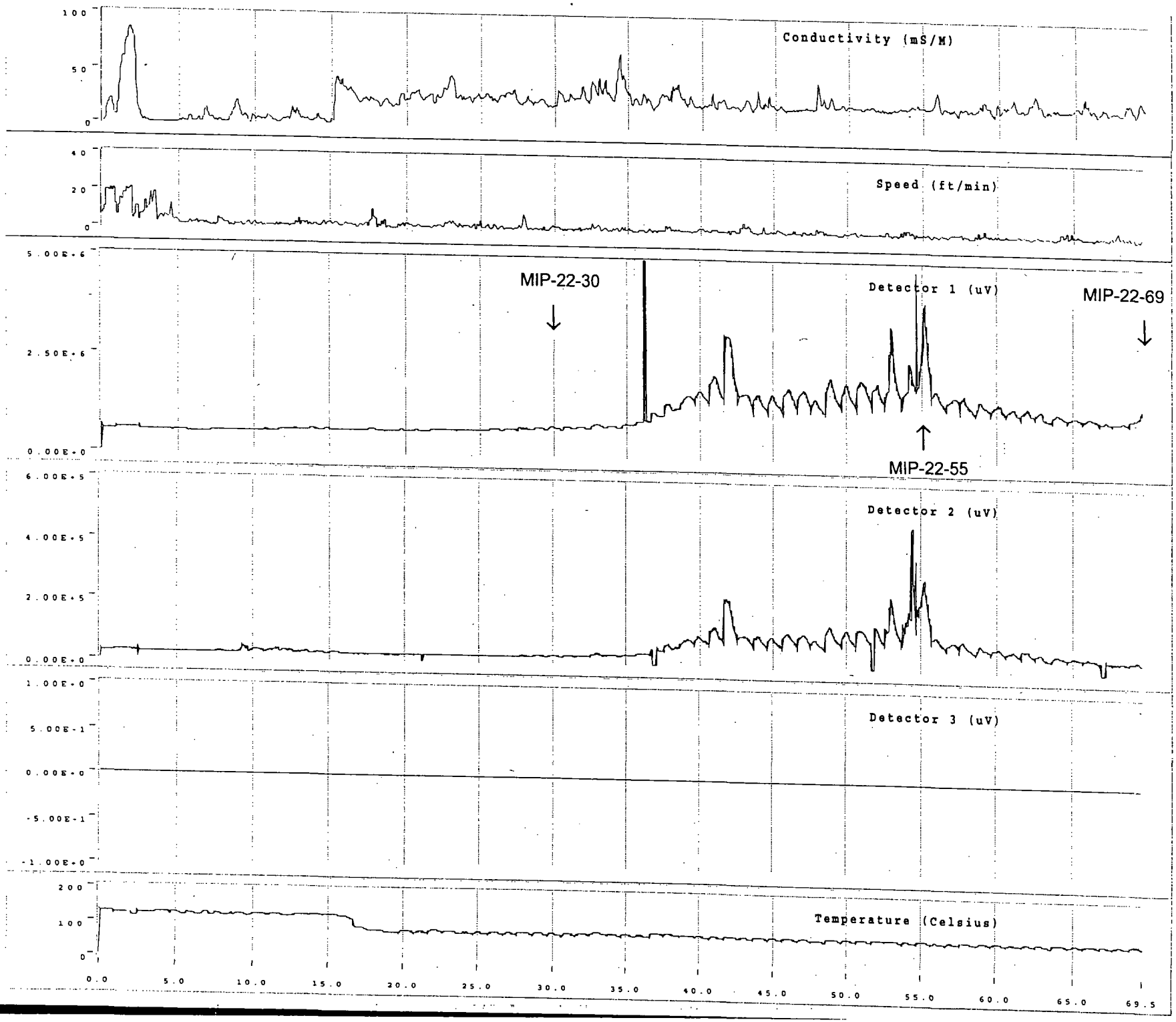

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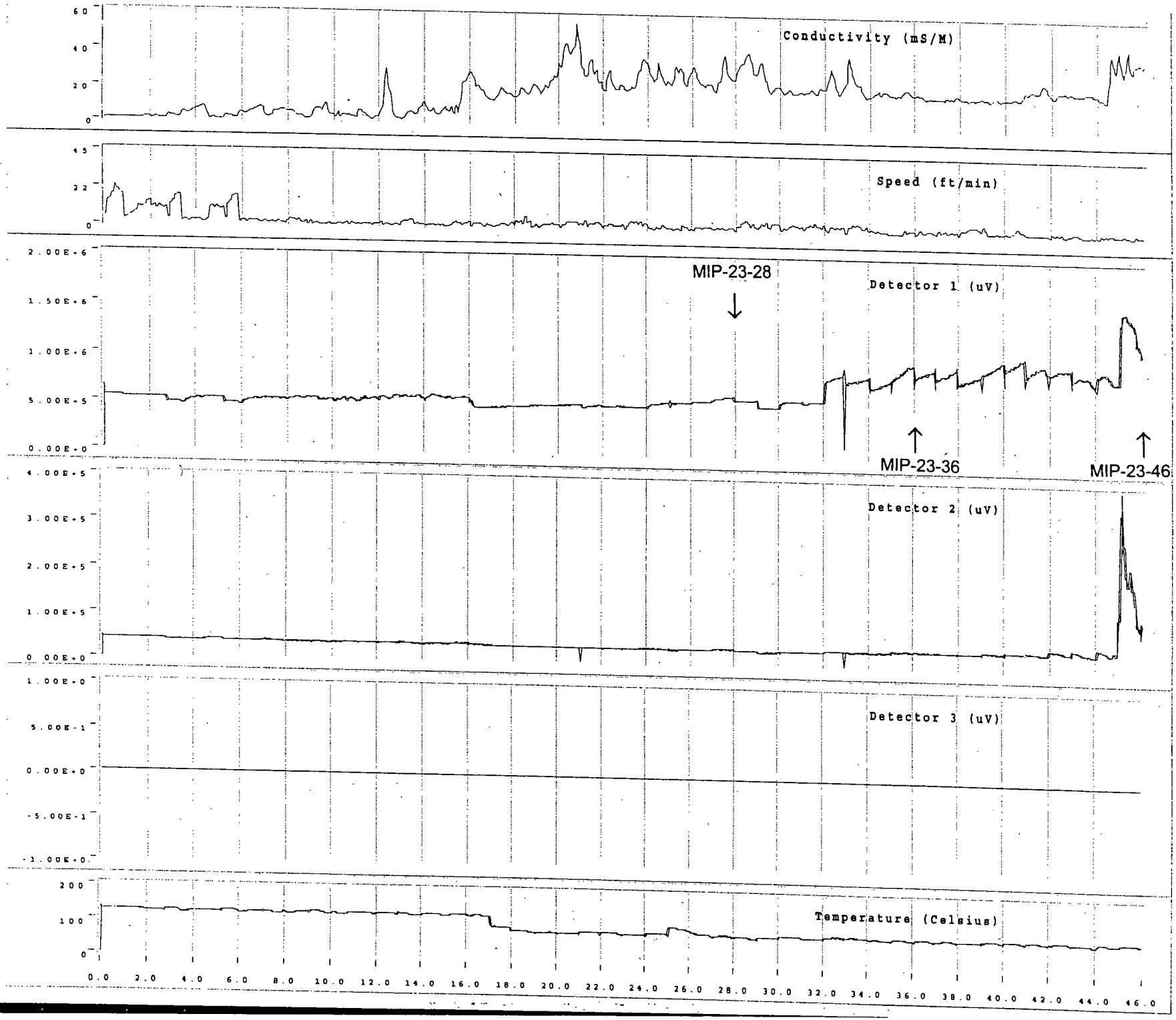

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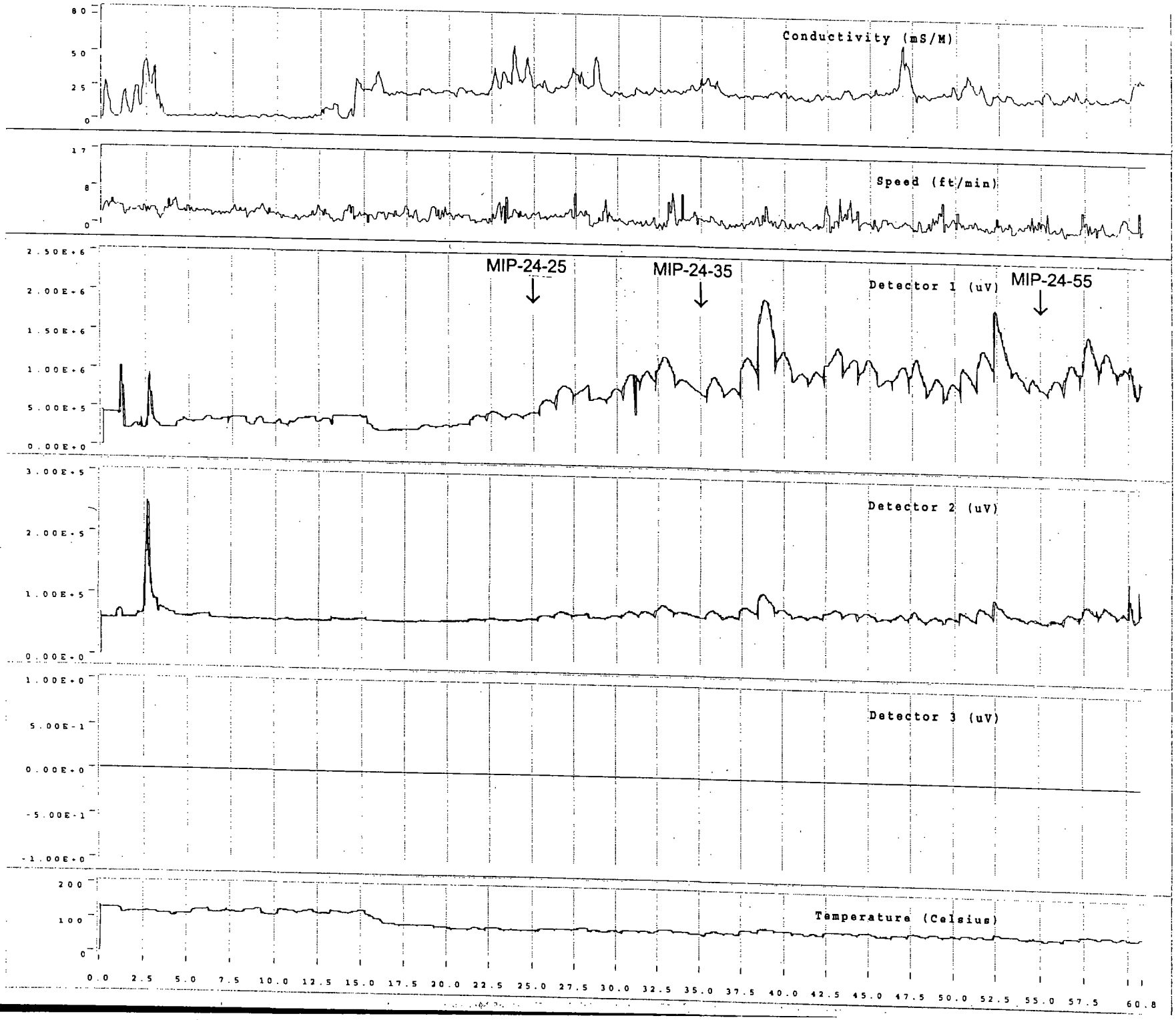

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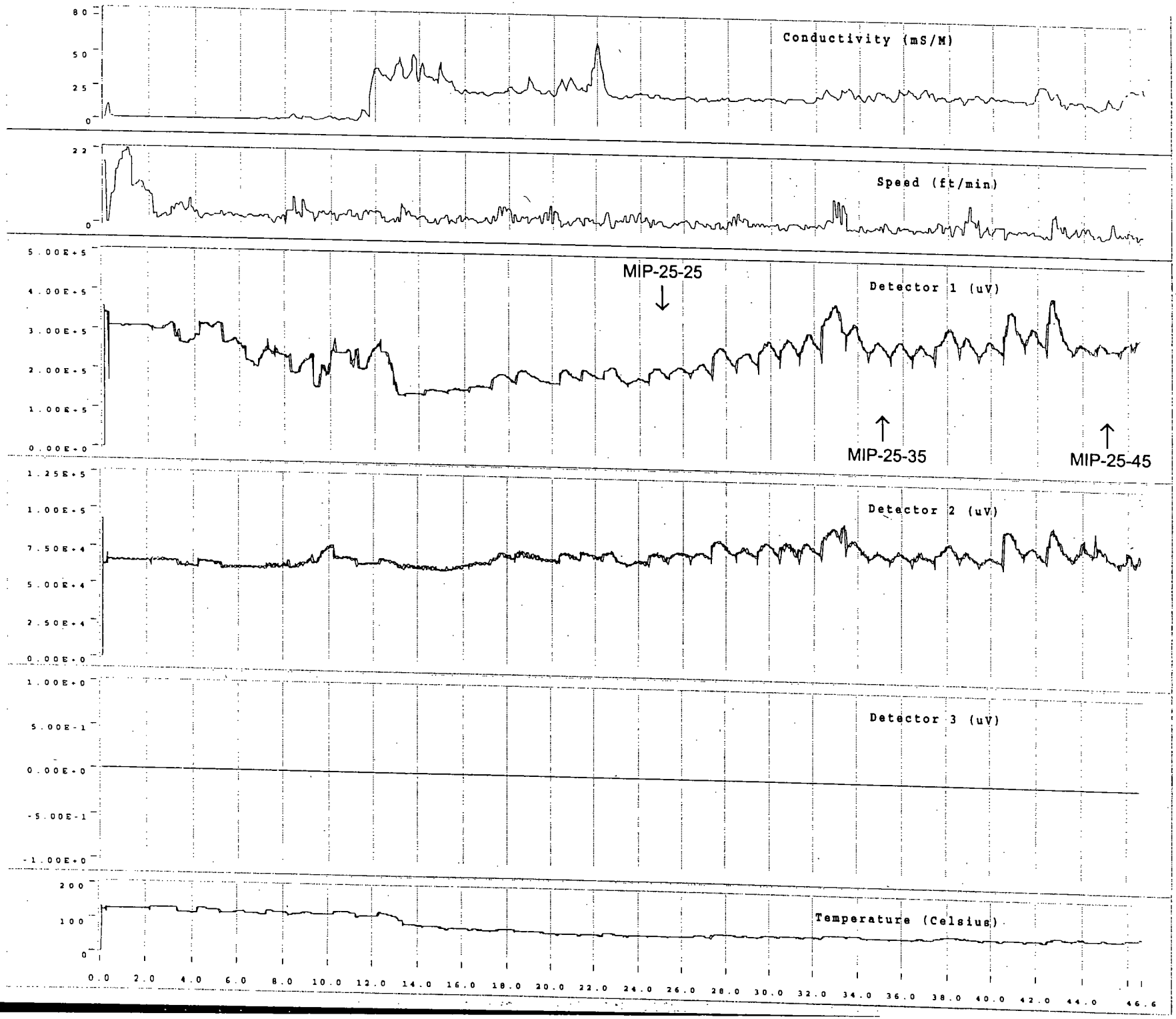

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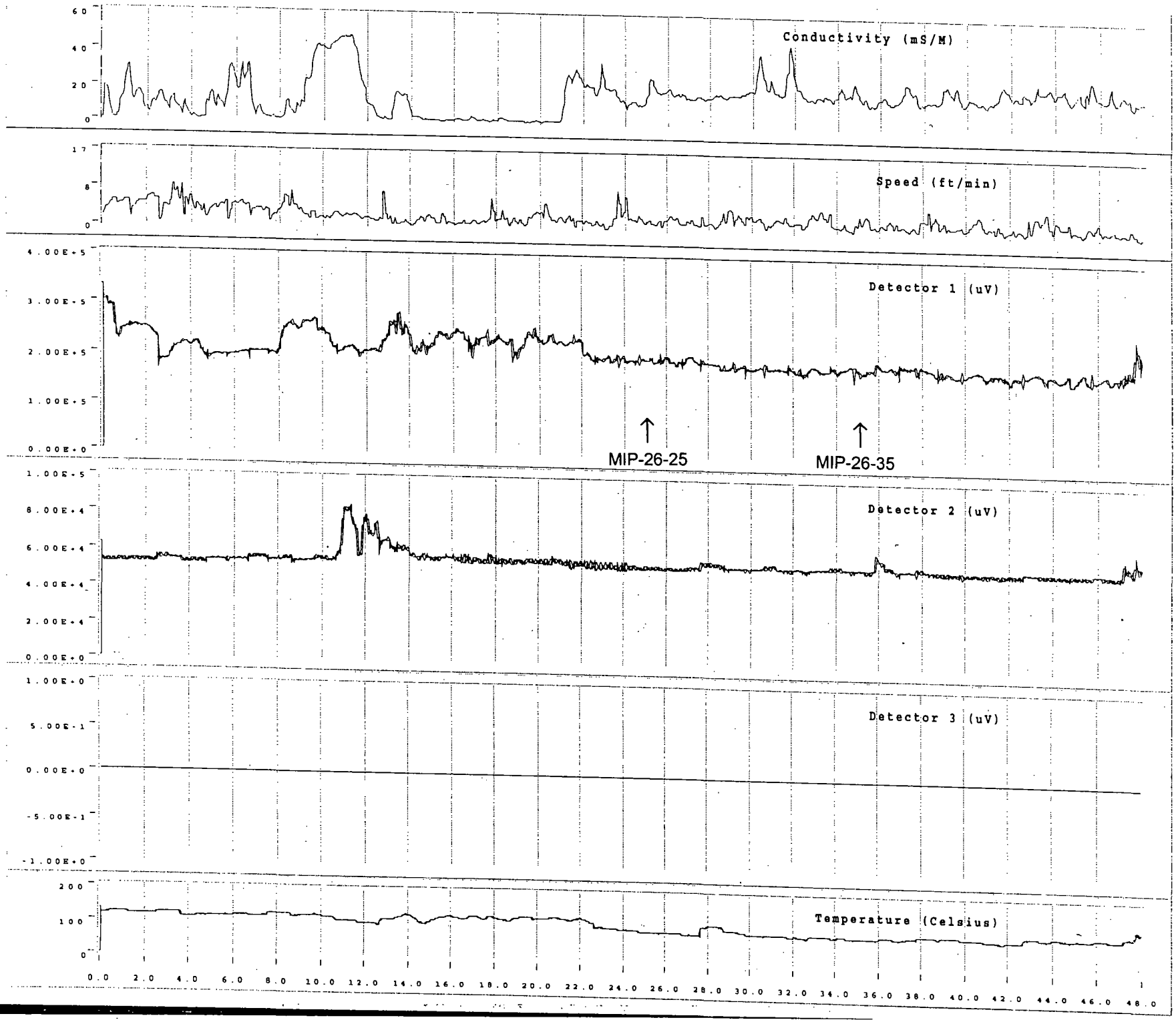

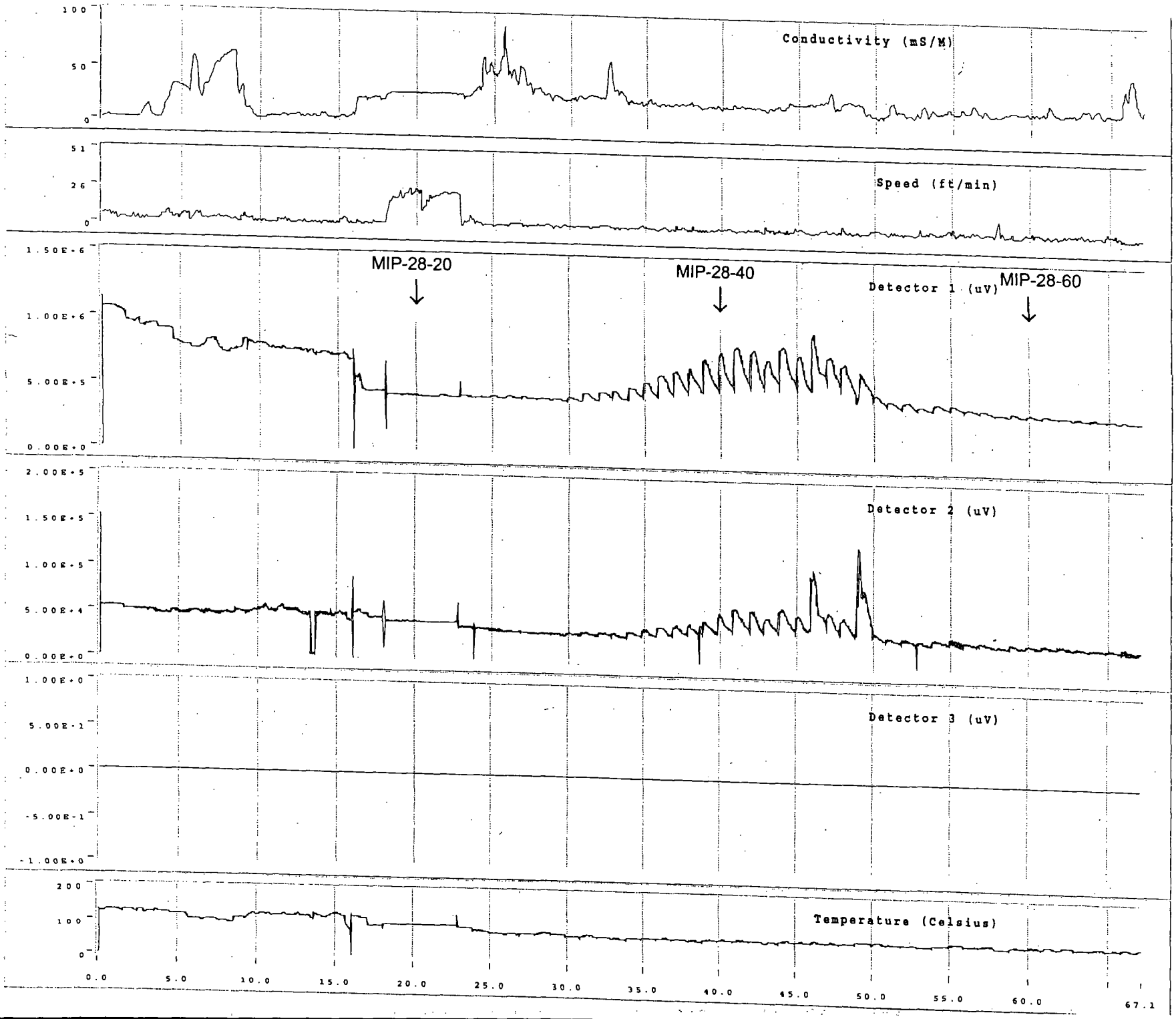
Conductivity (mS/M)
100
50
0
Speed (ft/min)
51
26
0
Detector 1 (uV)
MIP-28-20
MIP-28-40
MIP-28-60
1.50E+6
1.00E+6
5.00E+5
0.00E+0
Detector 2 (uV)
2.00E+5
1.50E+5
1.00E+5
5.00E+4
0.00E+0
Detector 3 (uV)
1.00E+0
5.00E-1
0.00E+0
-5.00E-1
-1.00E+0
Temperature (Celsius)
200
100
0
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0
60.0
67.1

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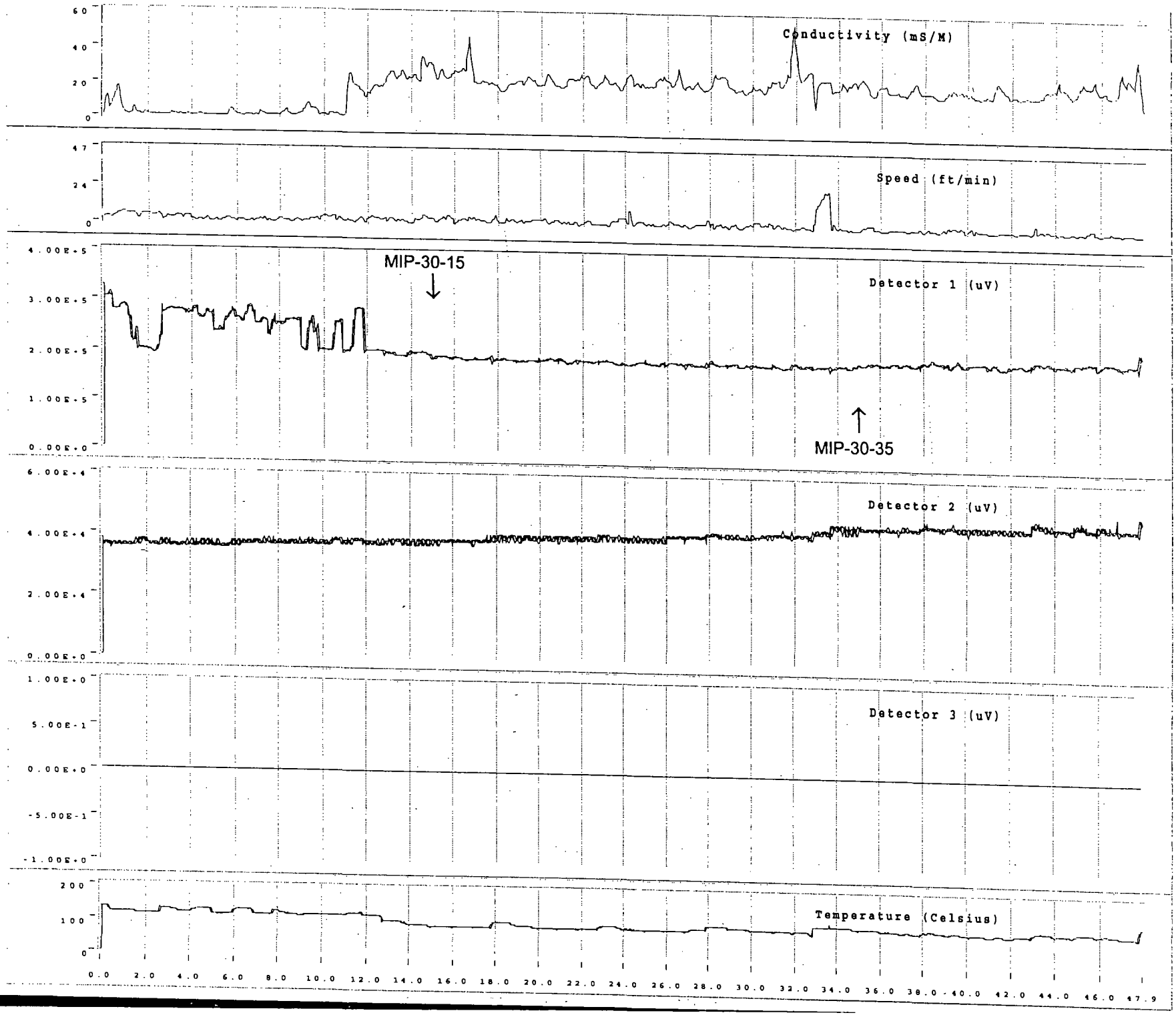

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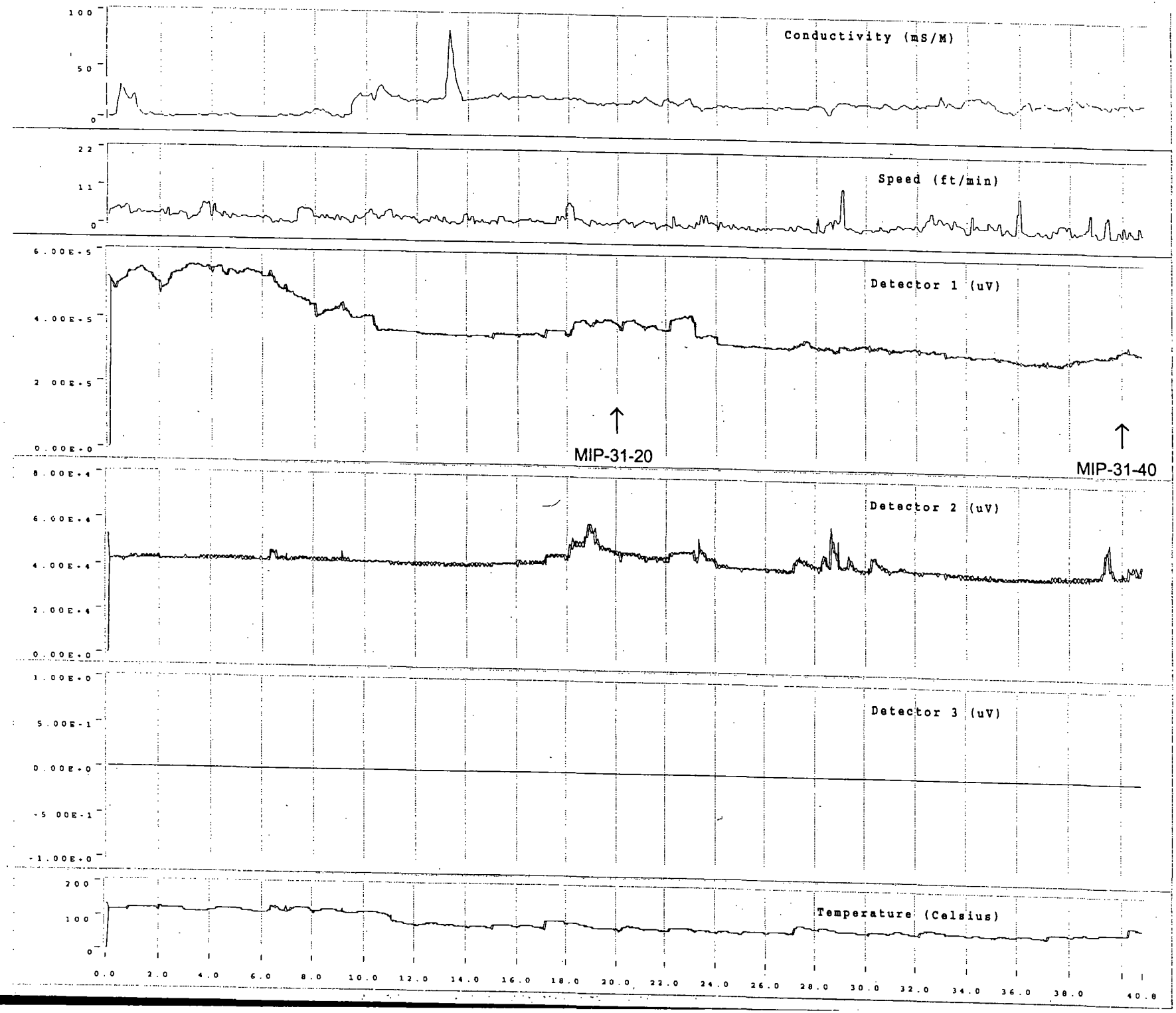

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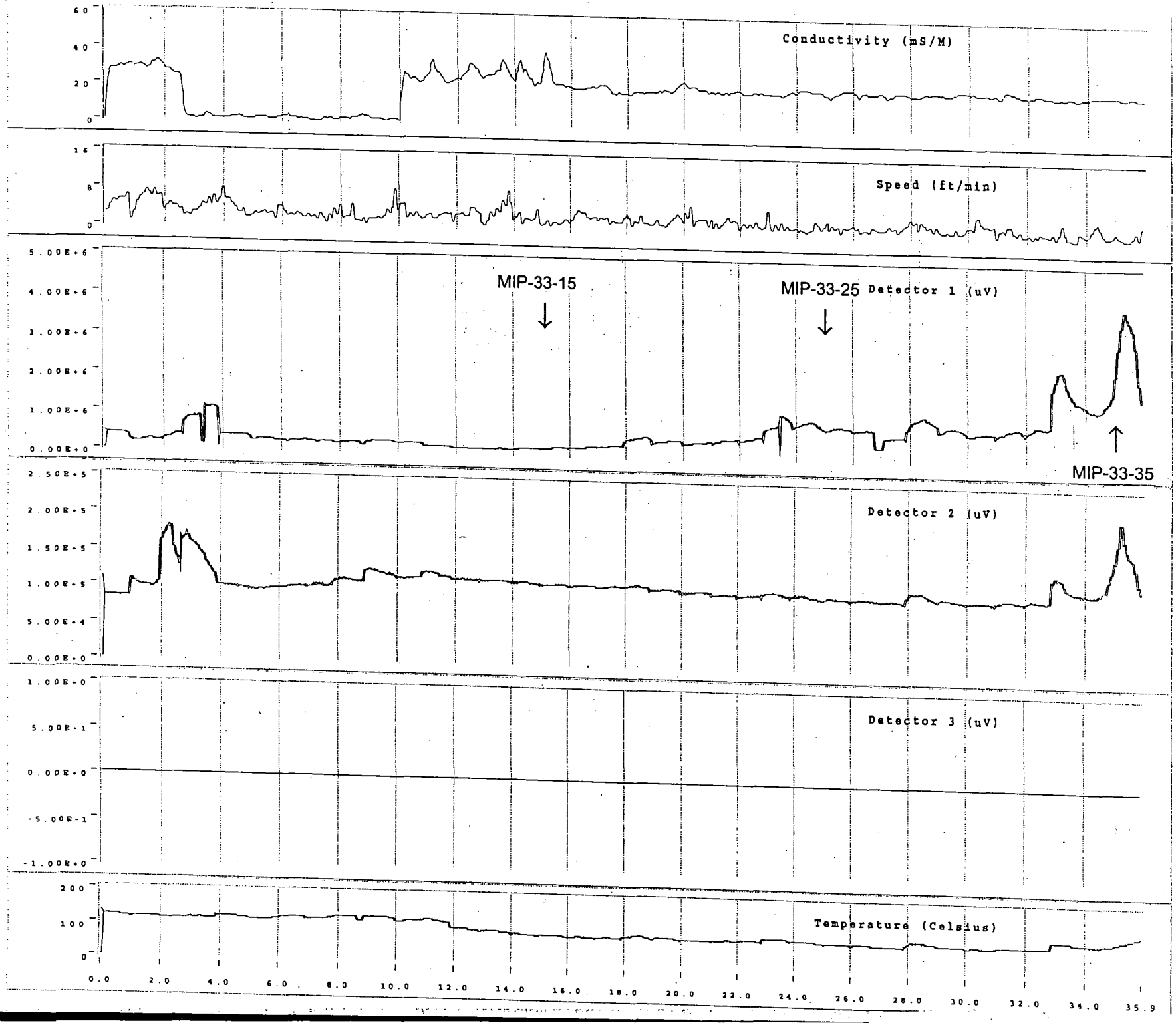

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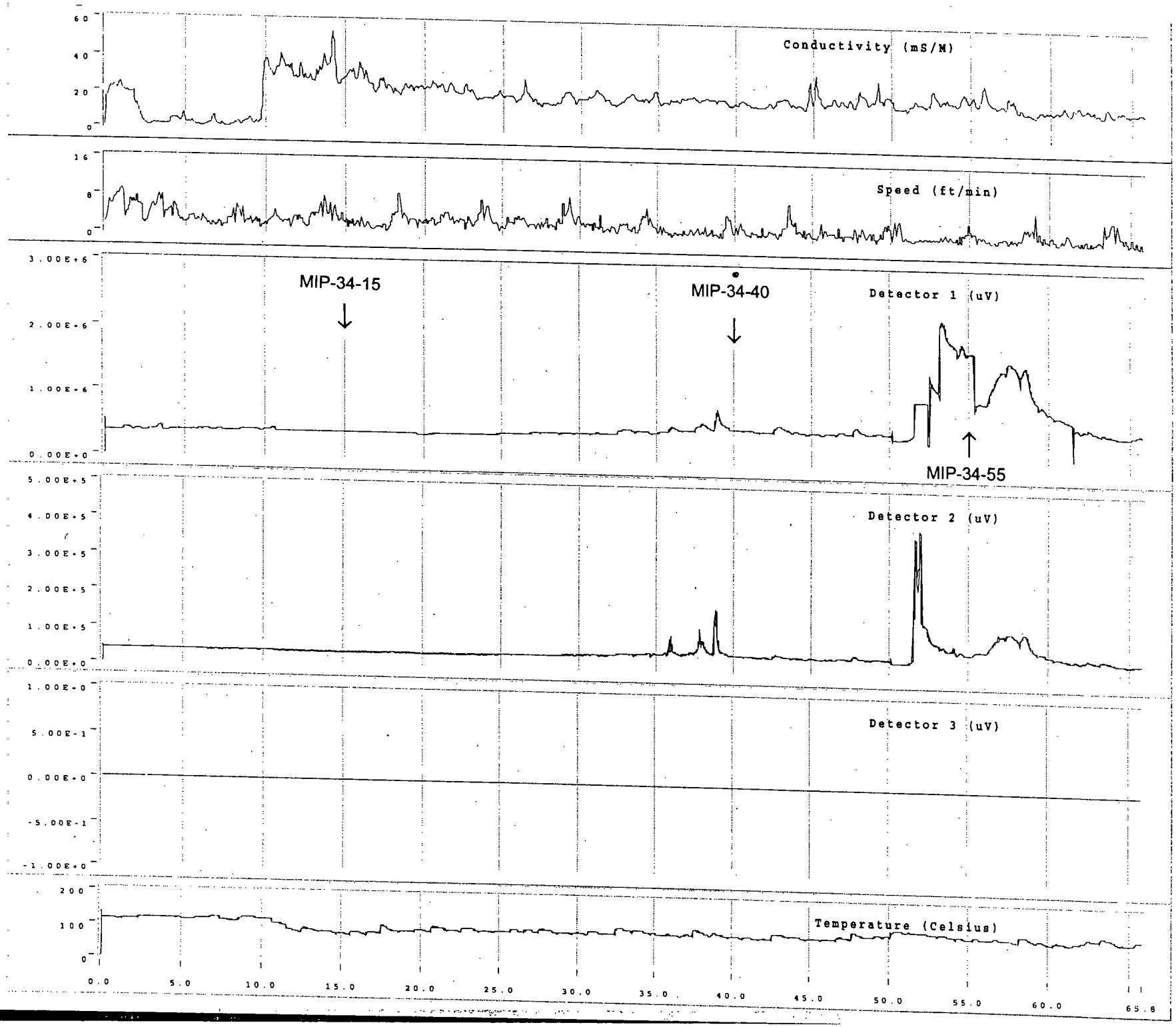

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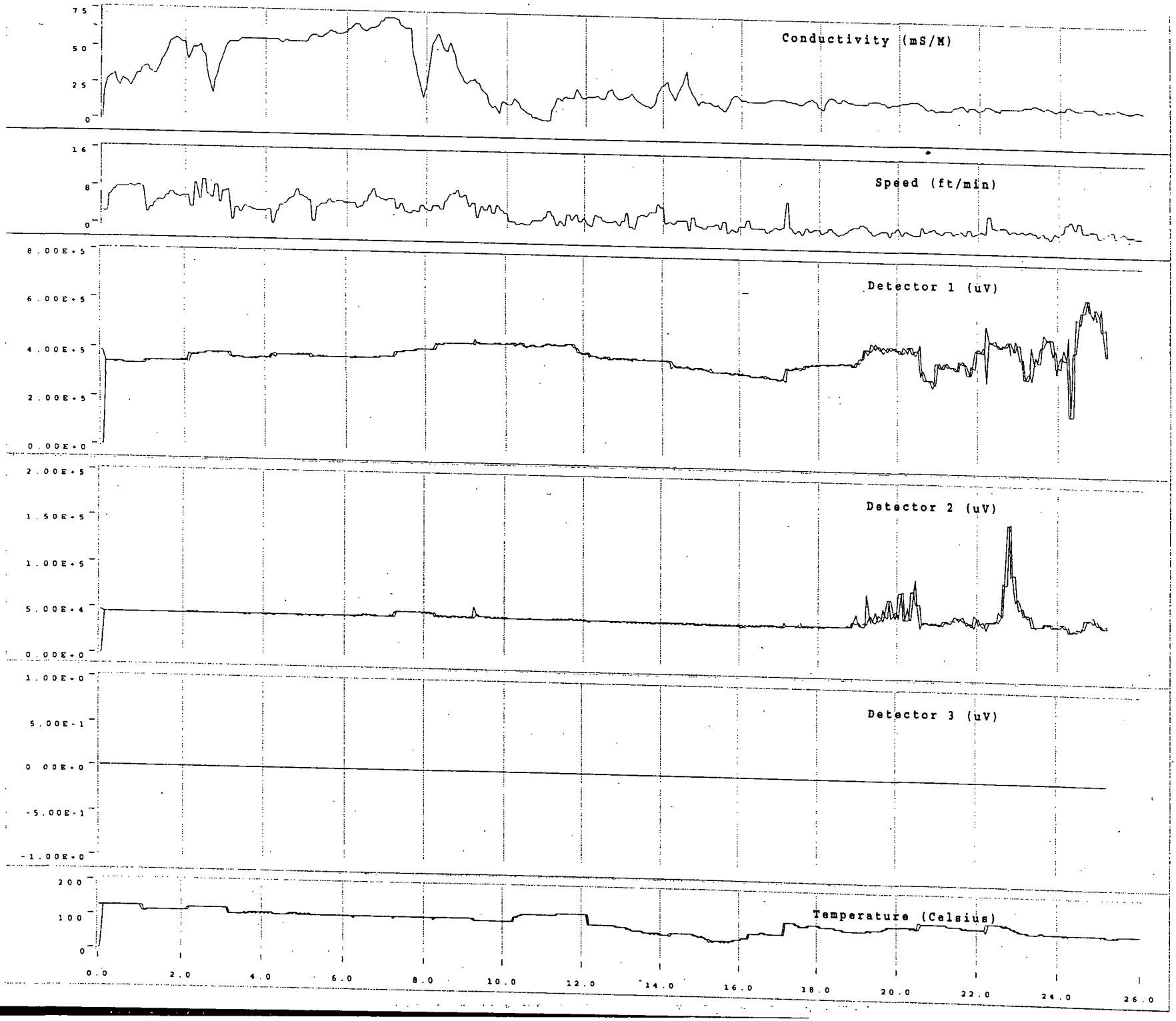

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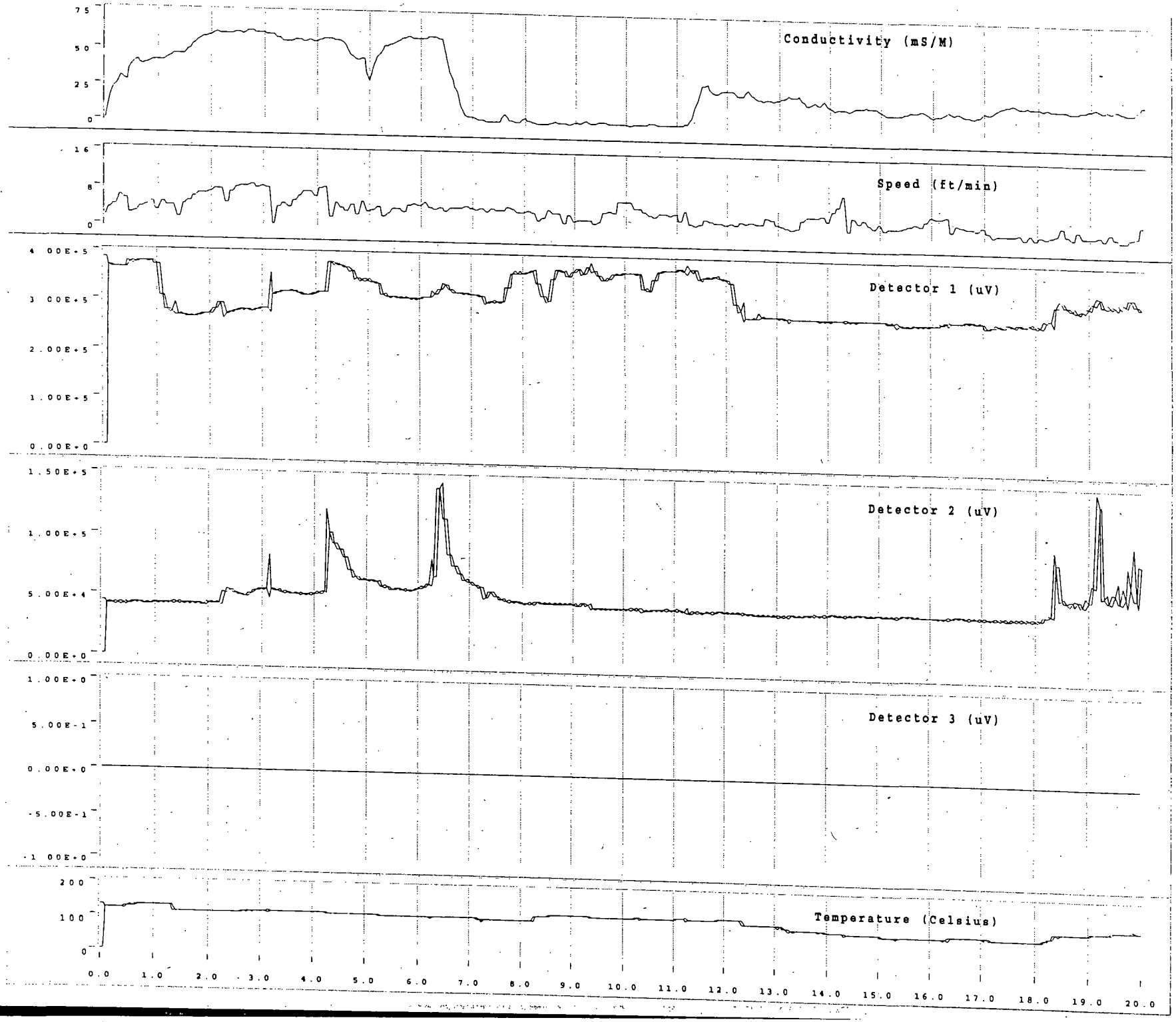

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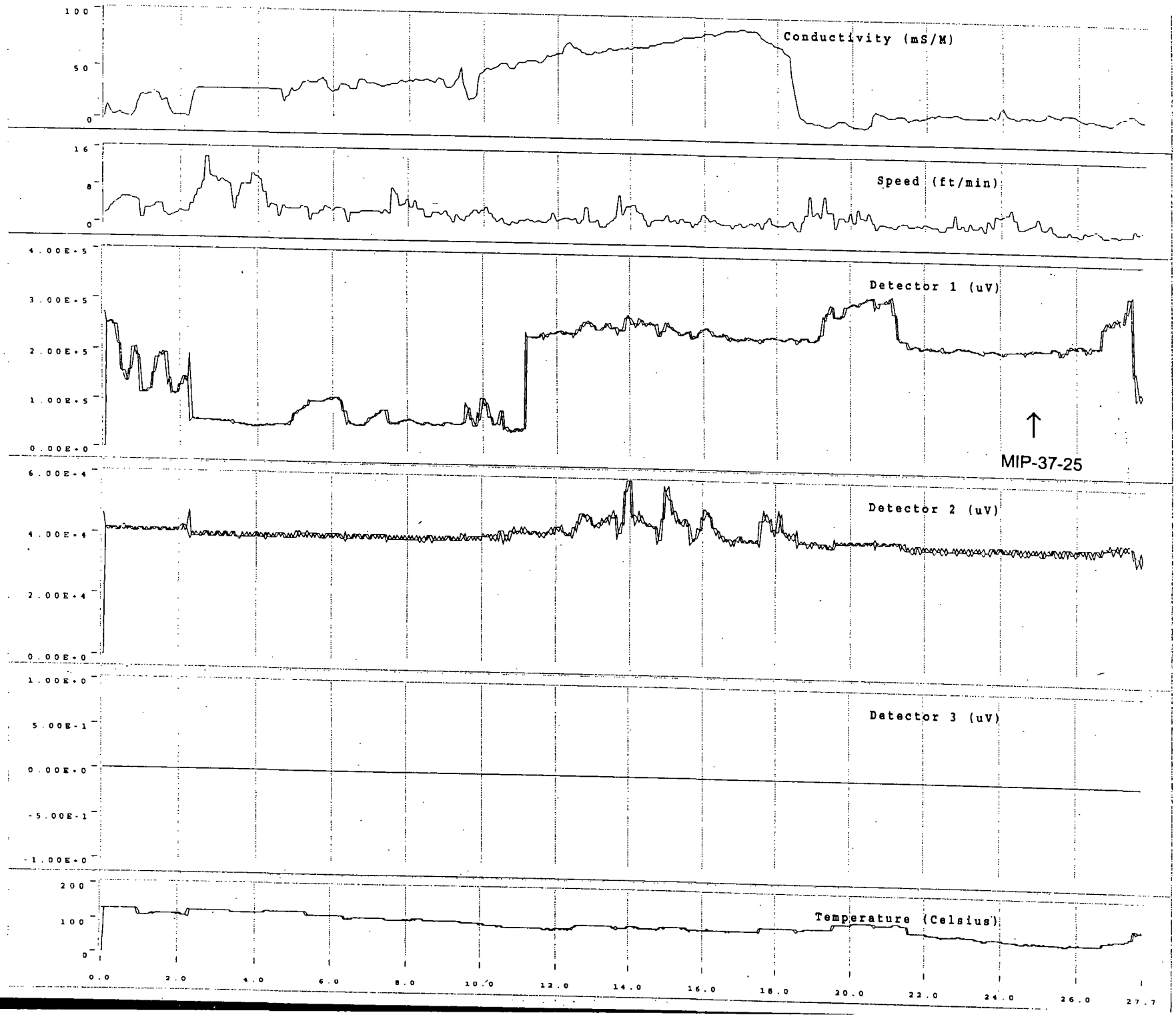

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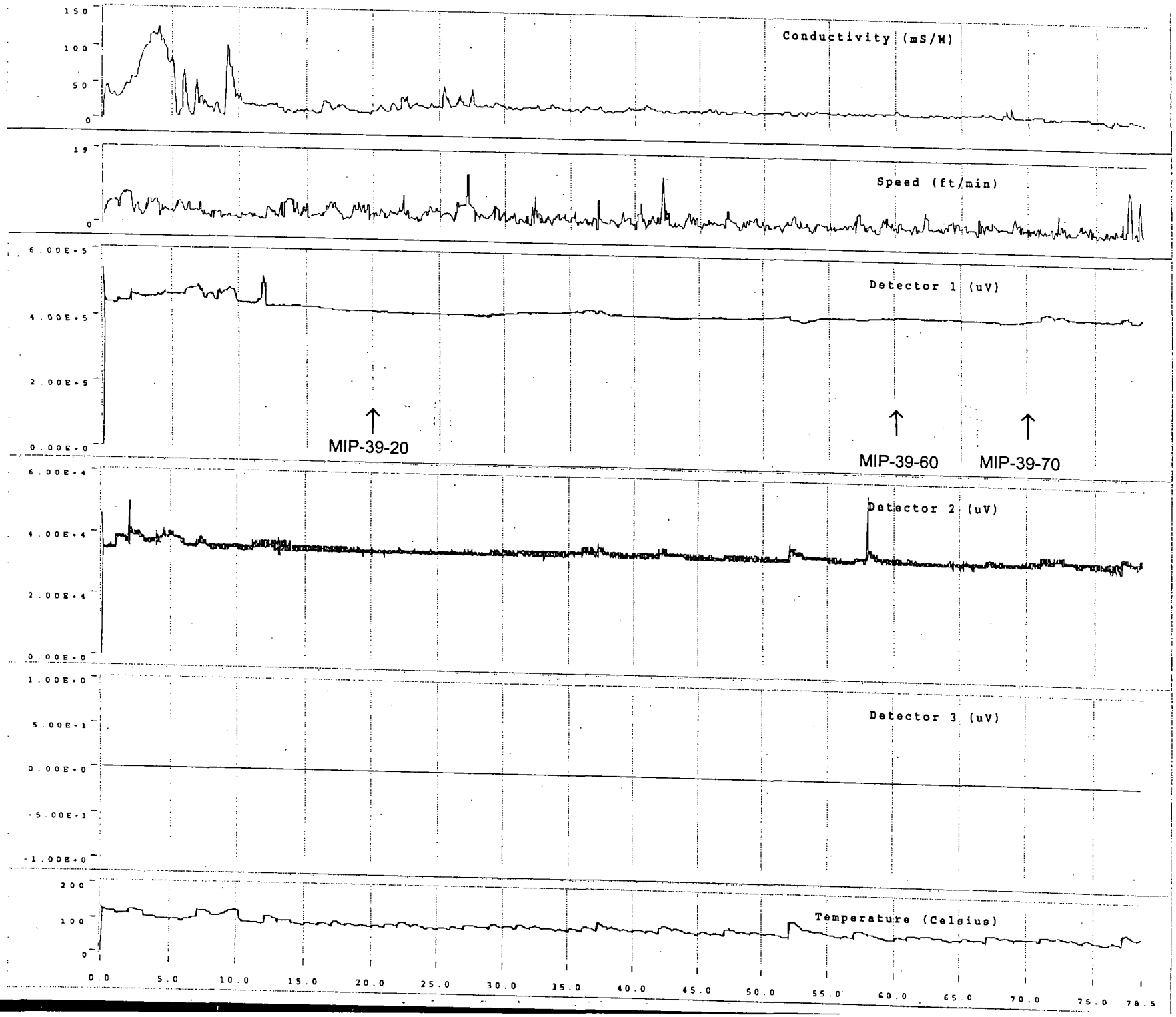

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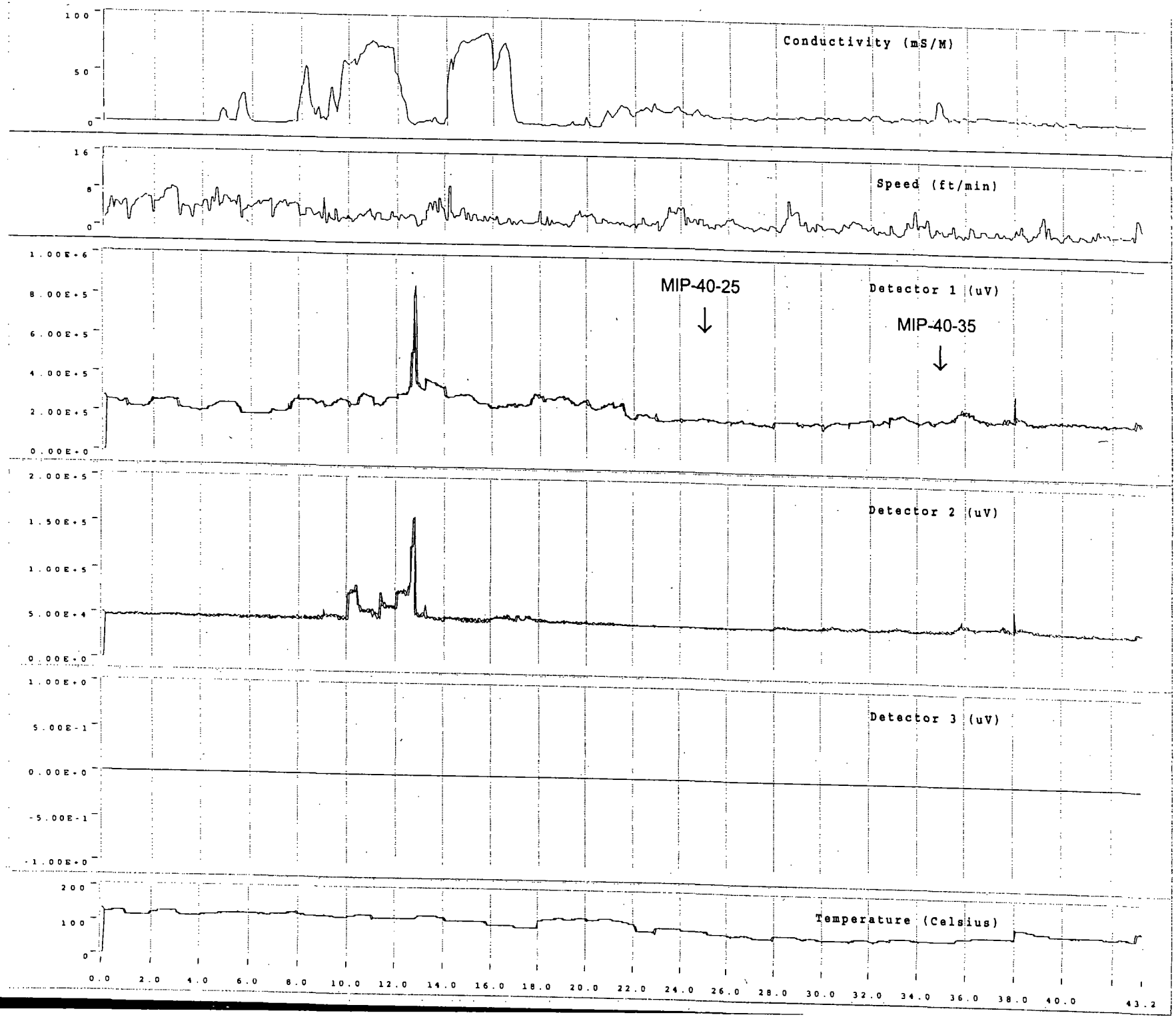

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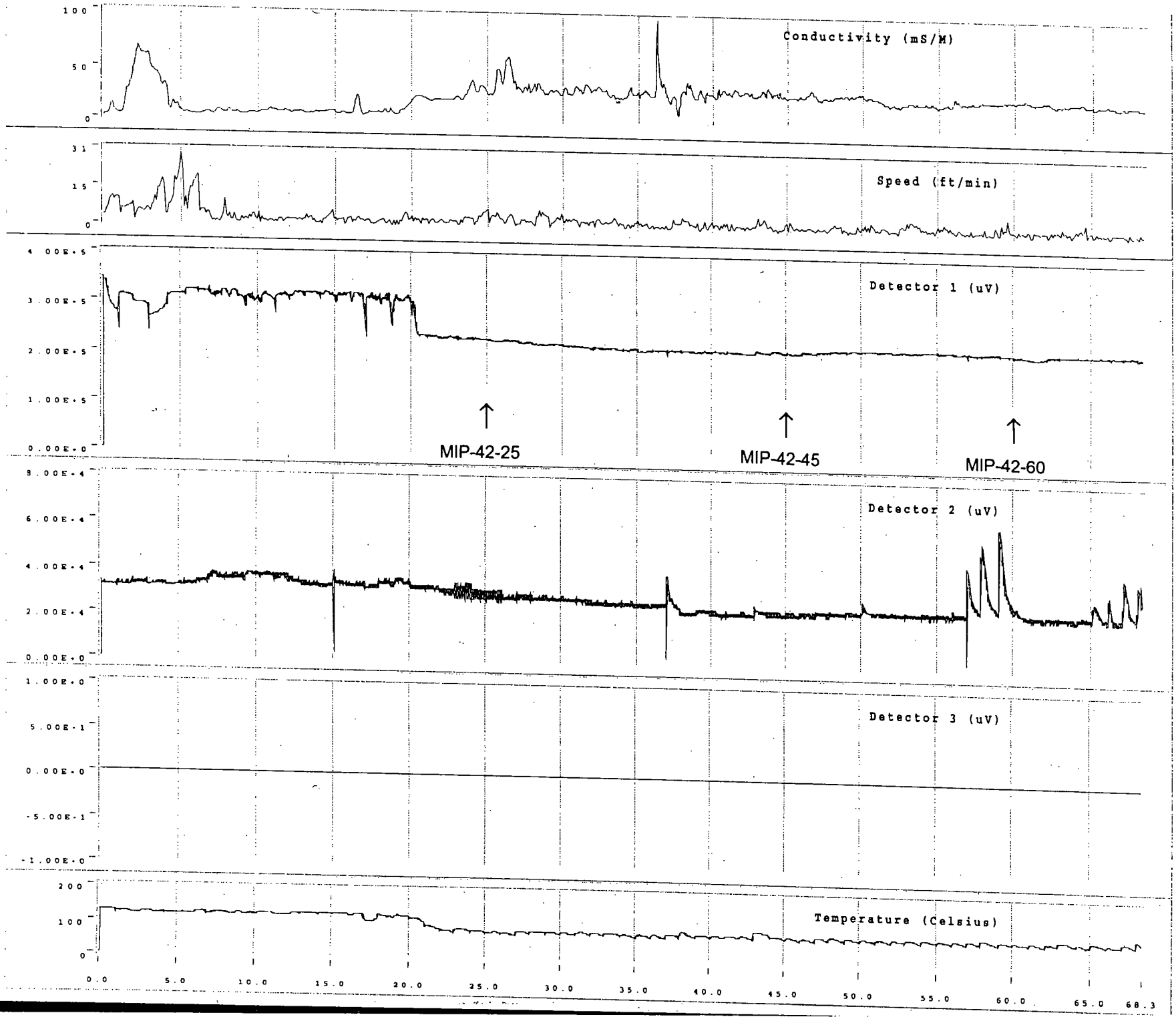

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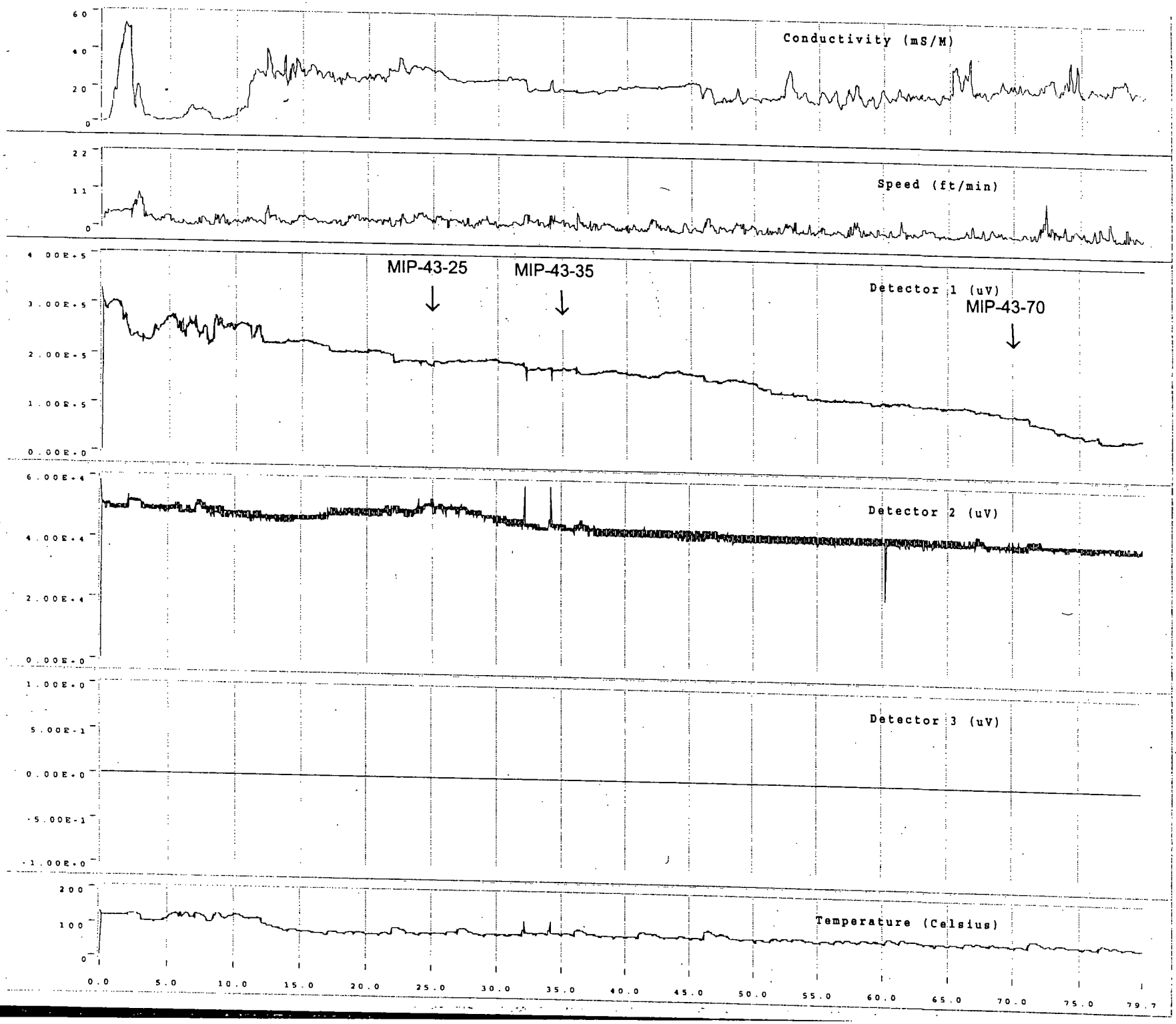

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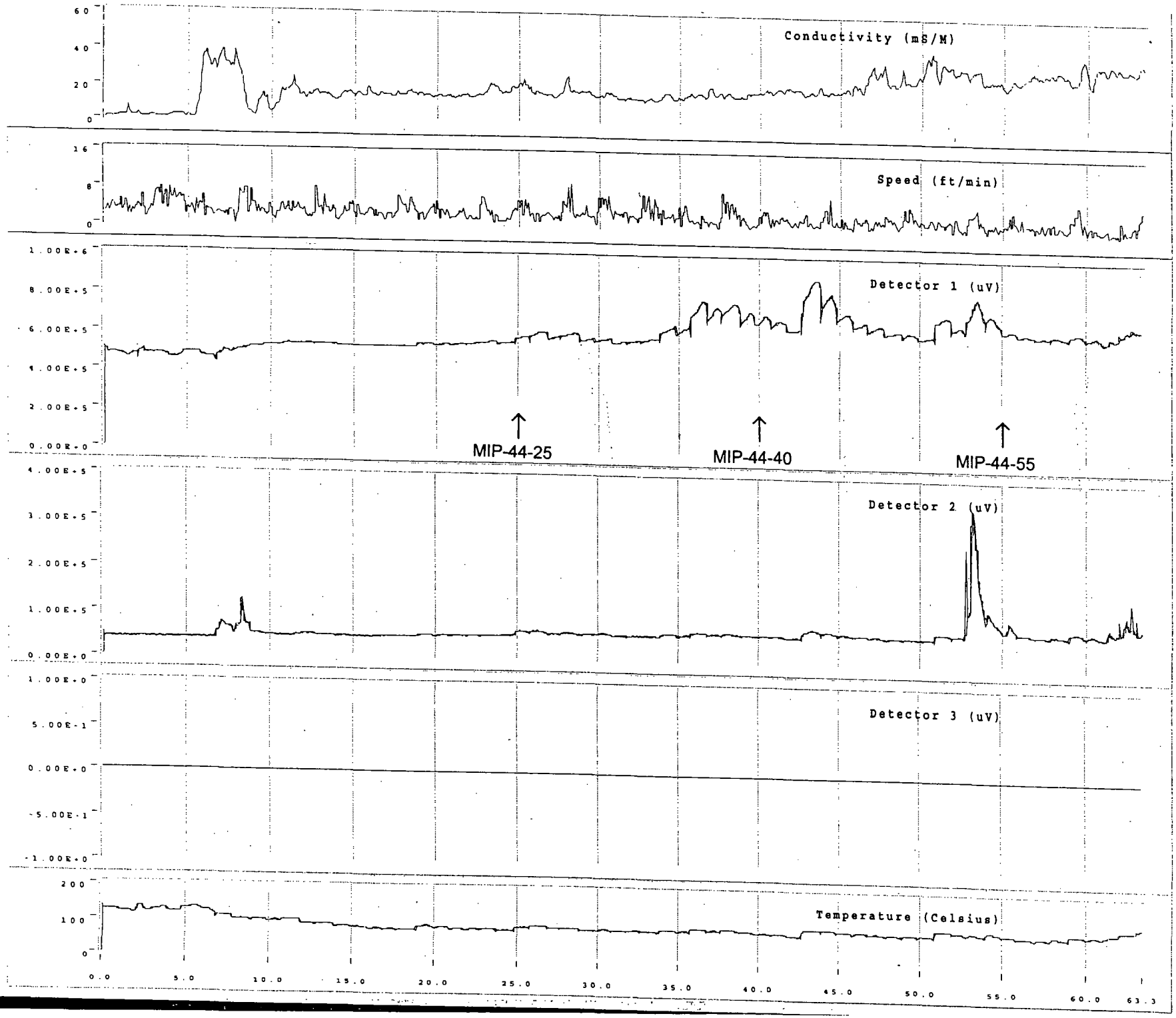

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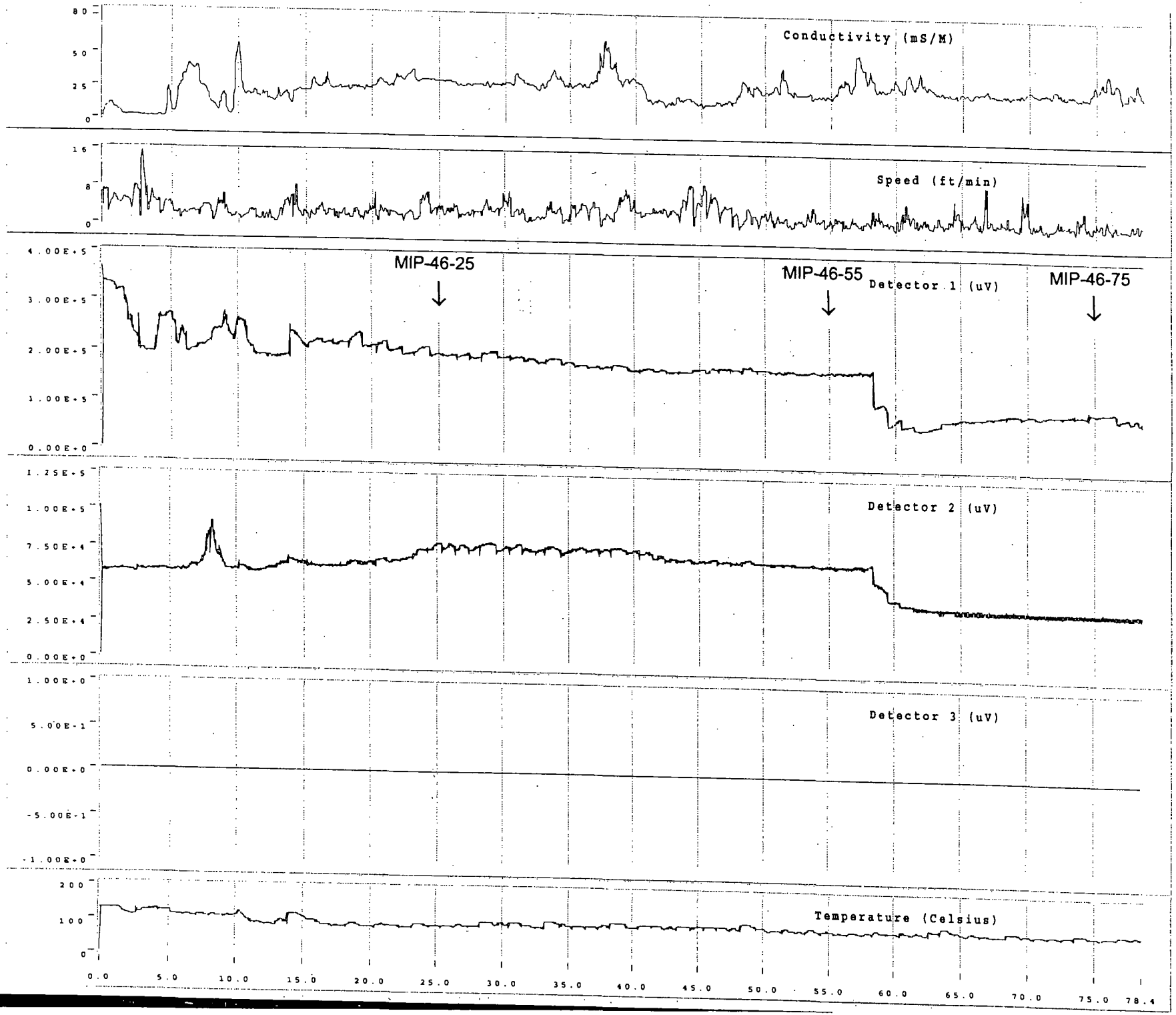

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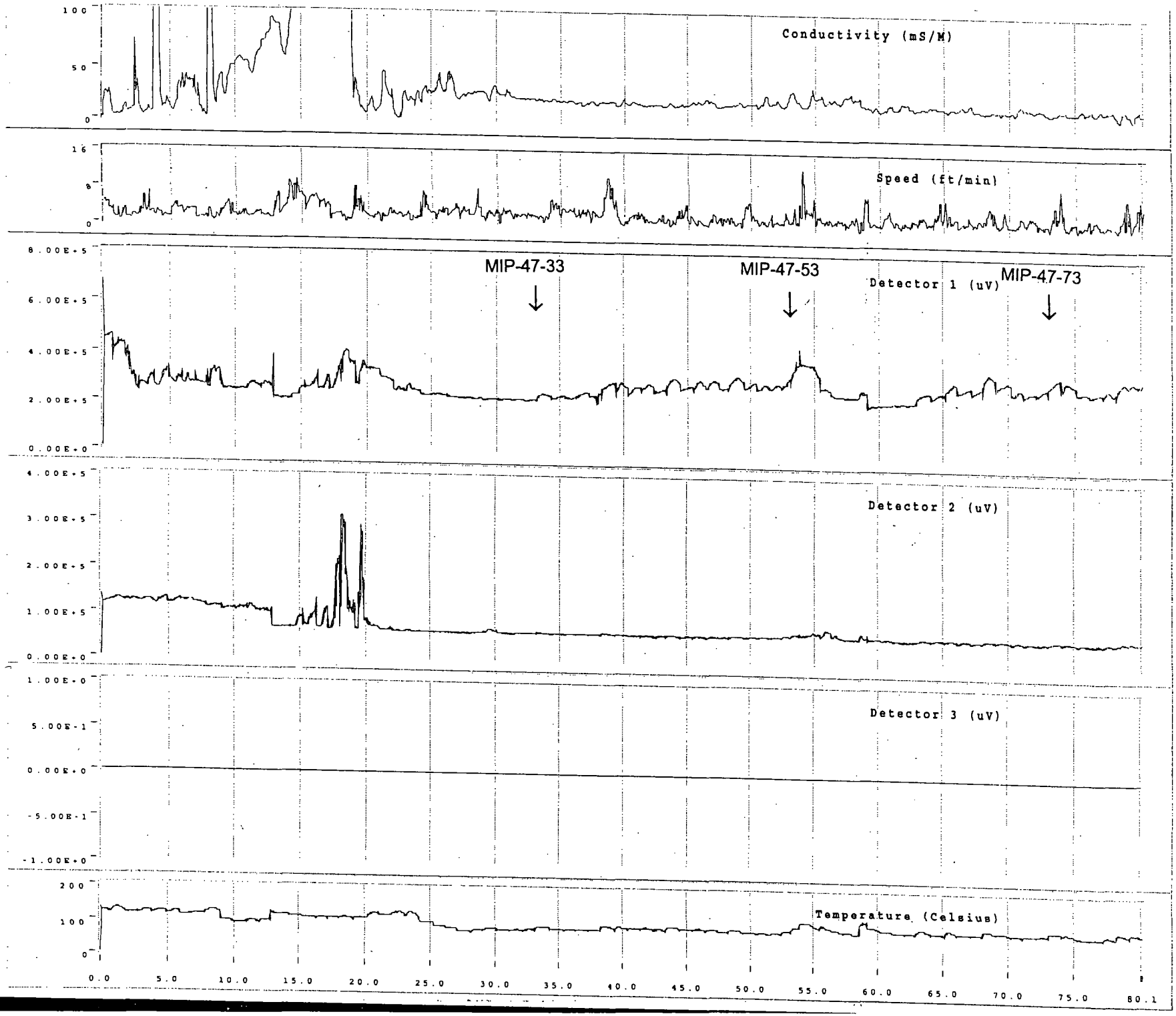

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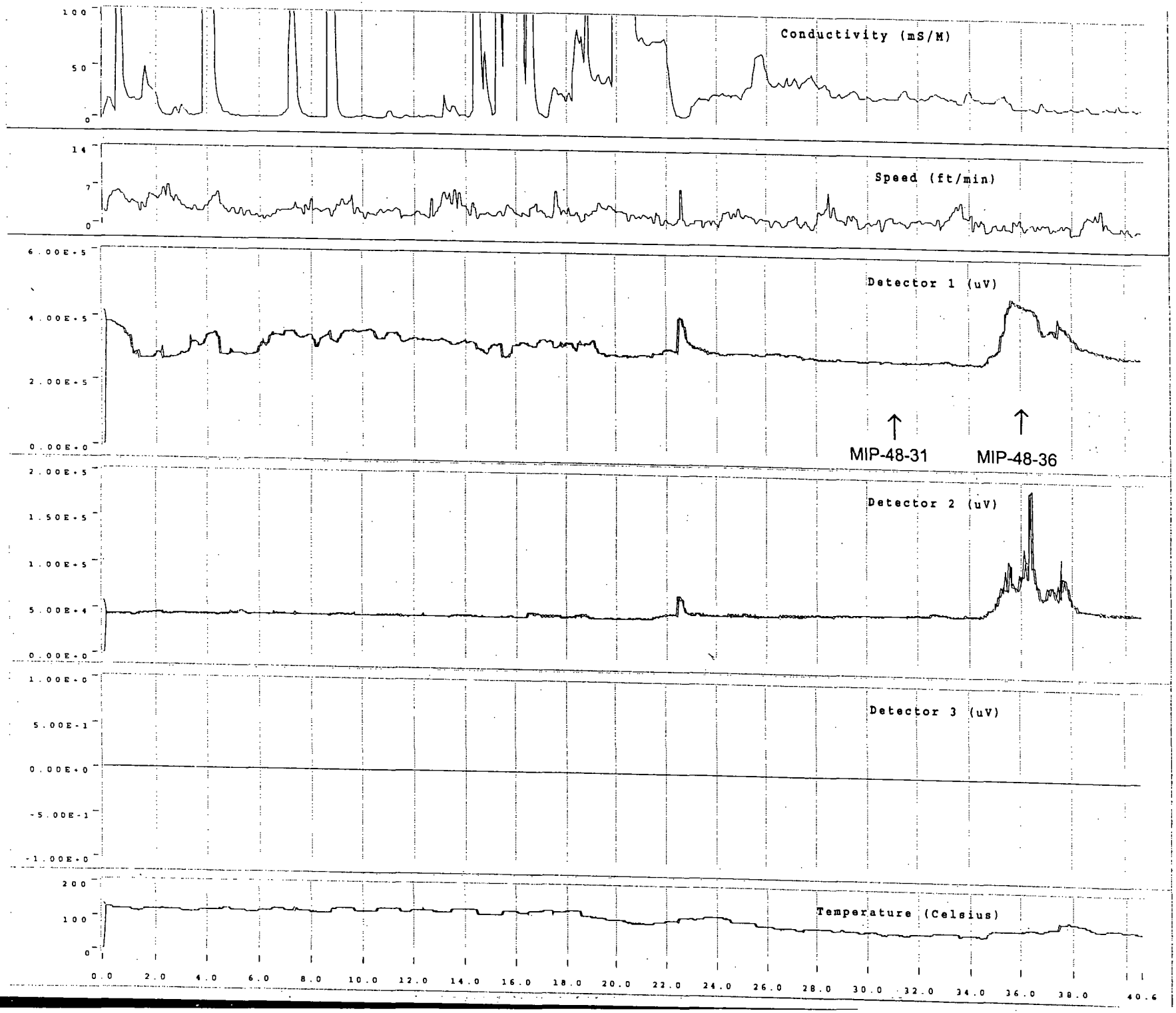

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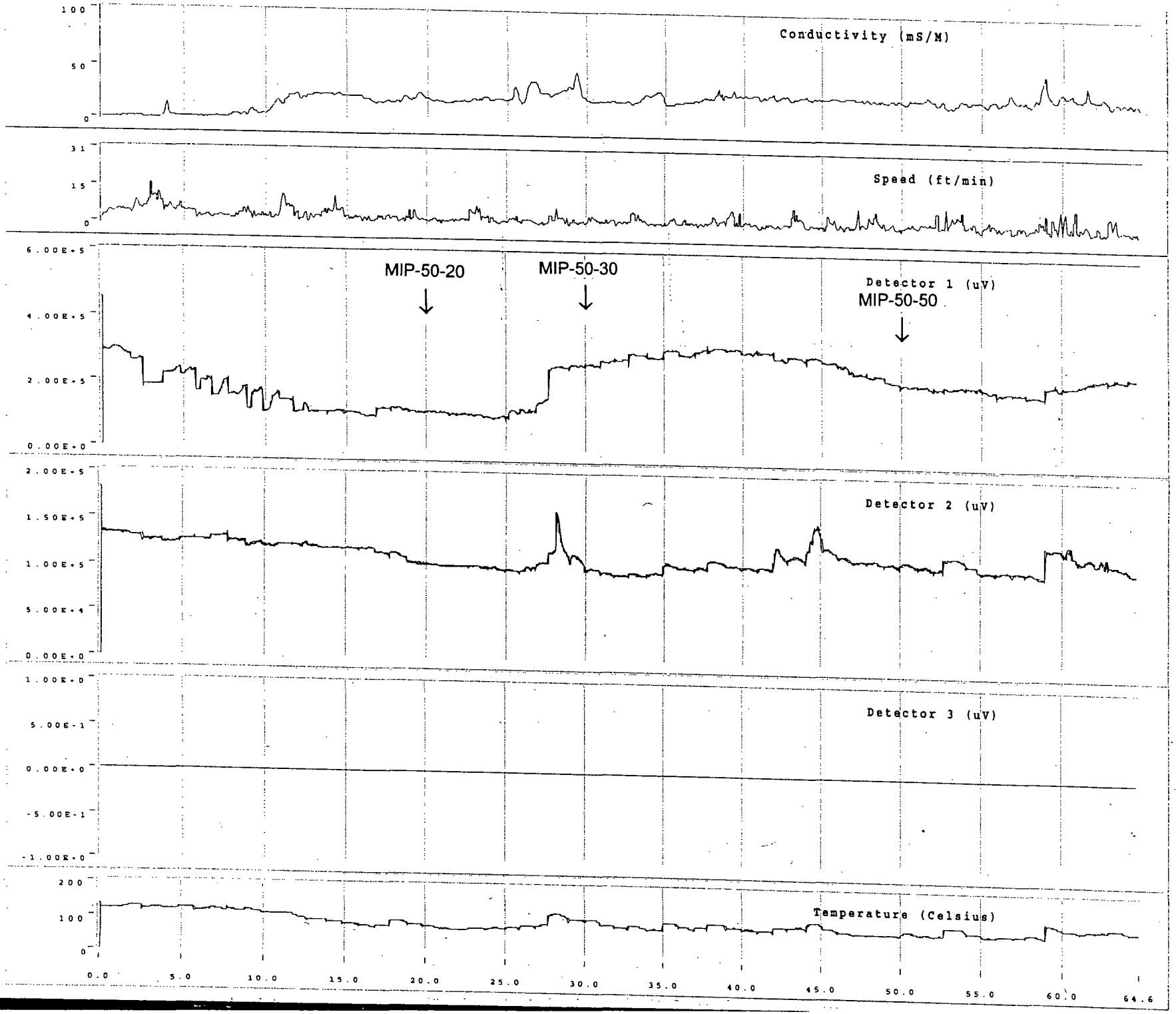

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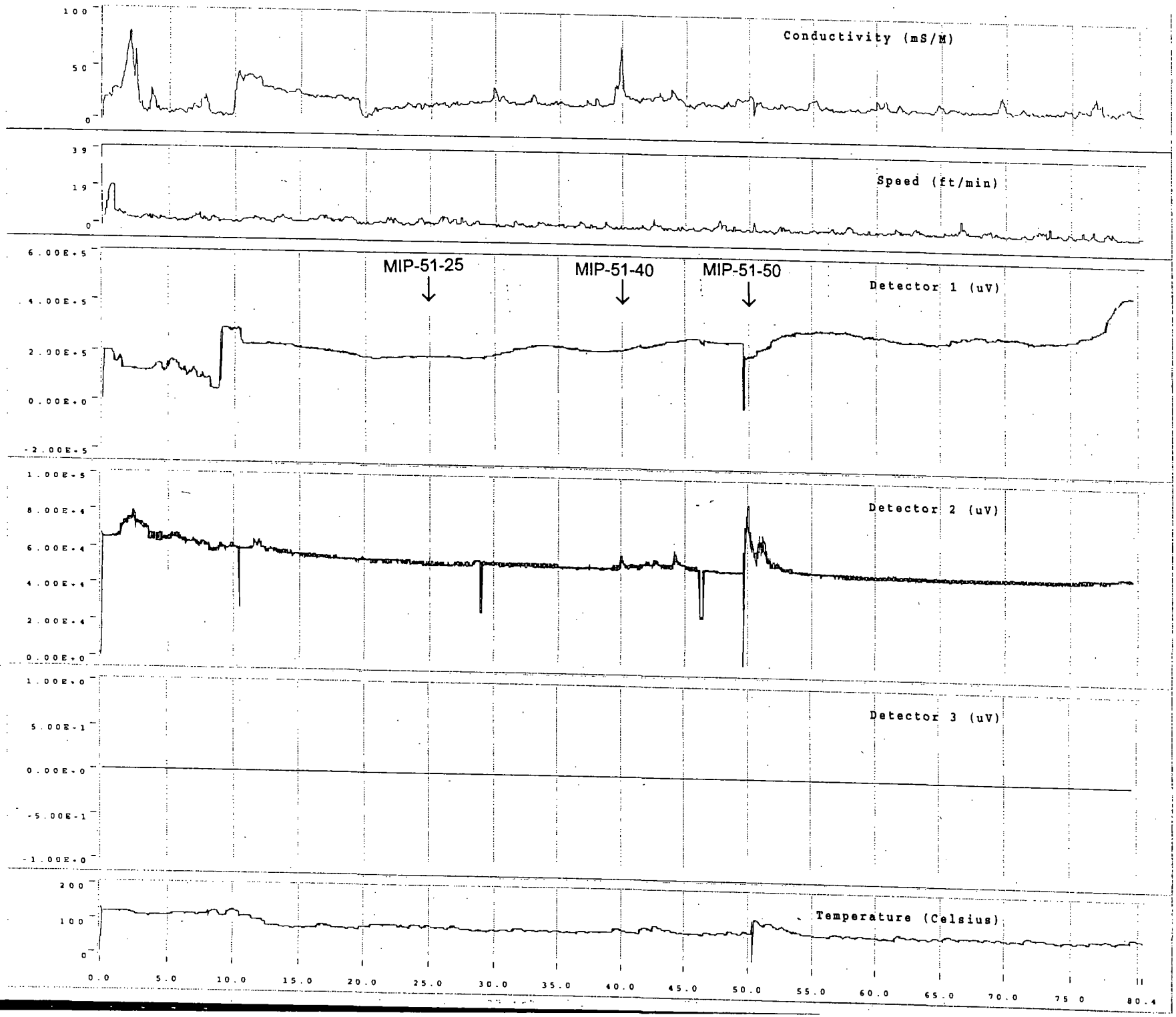

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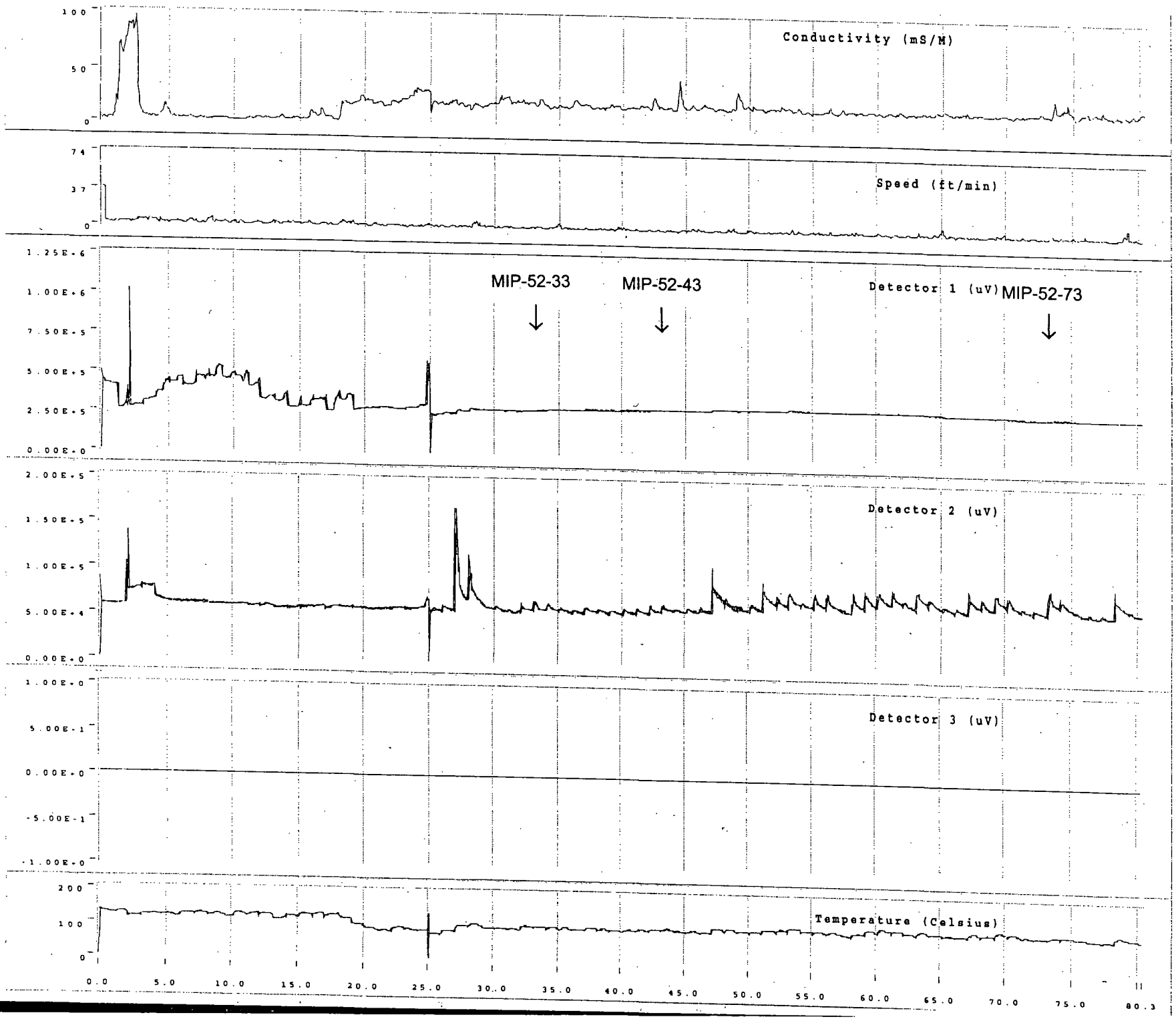

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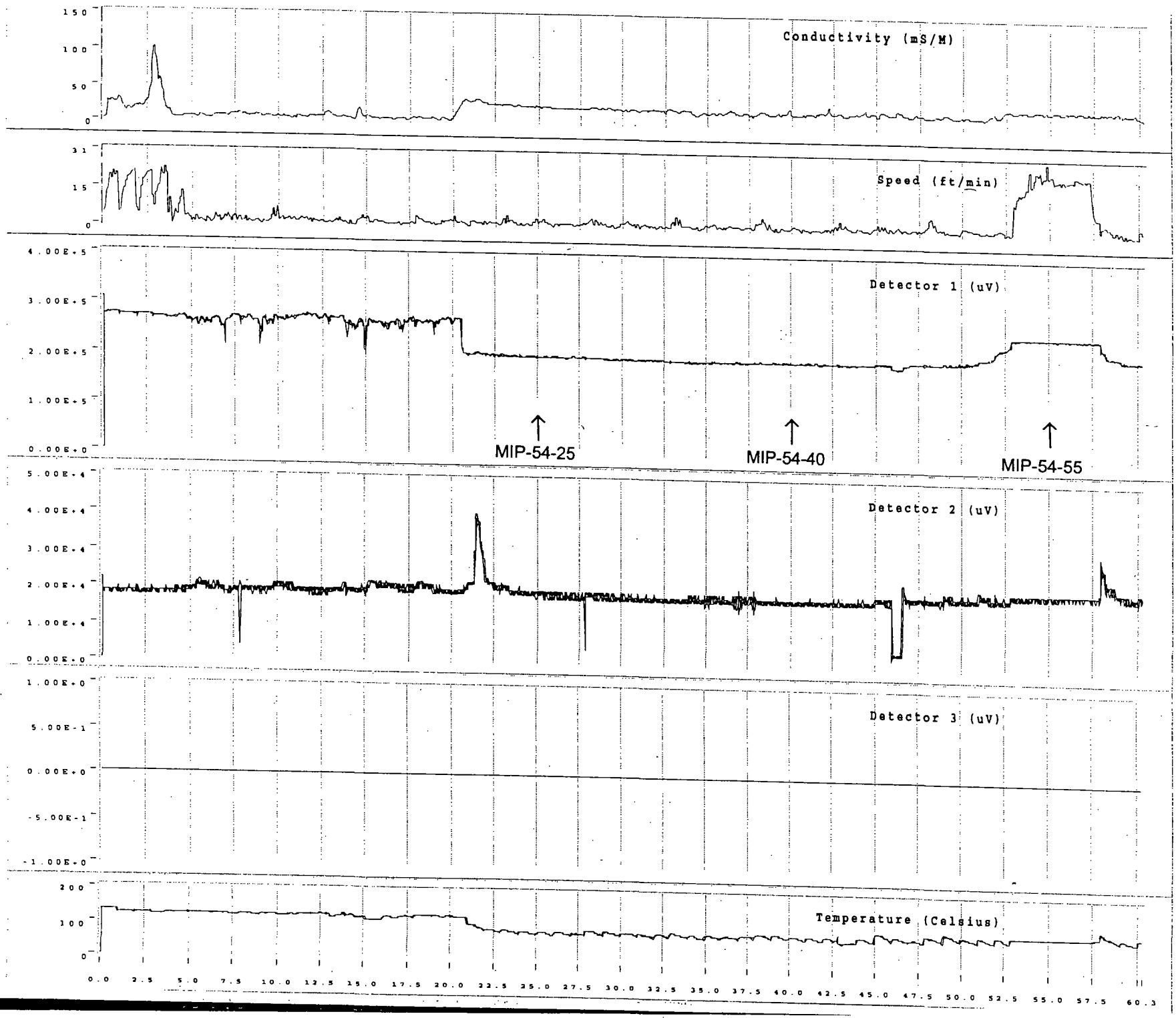

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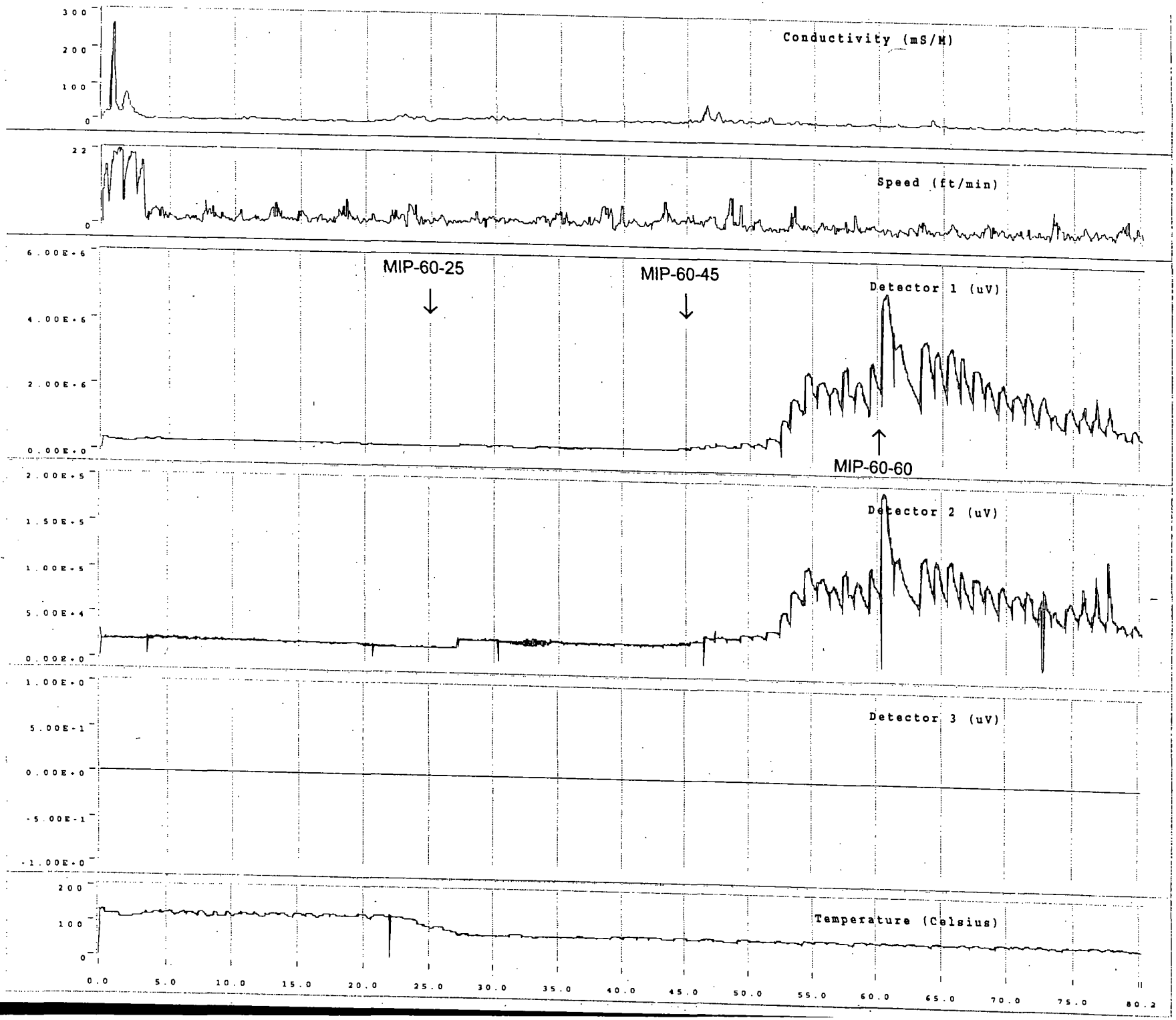

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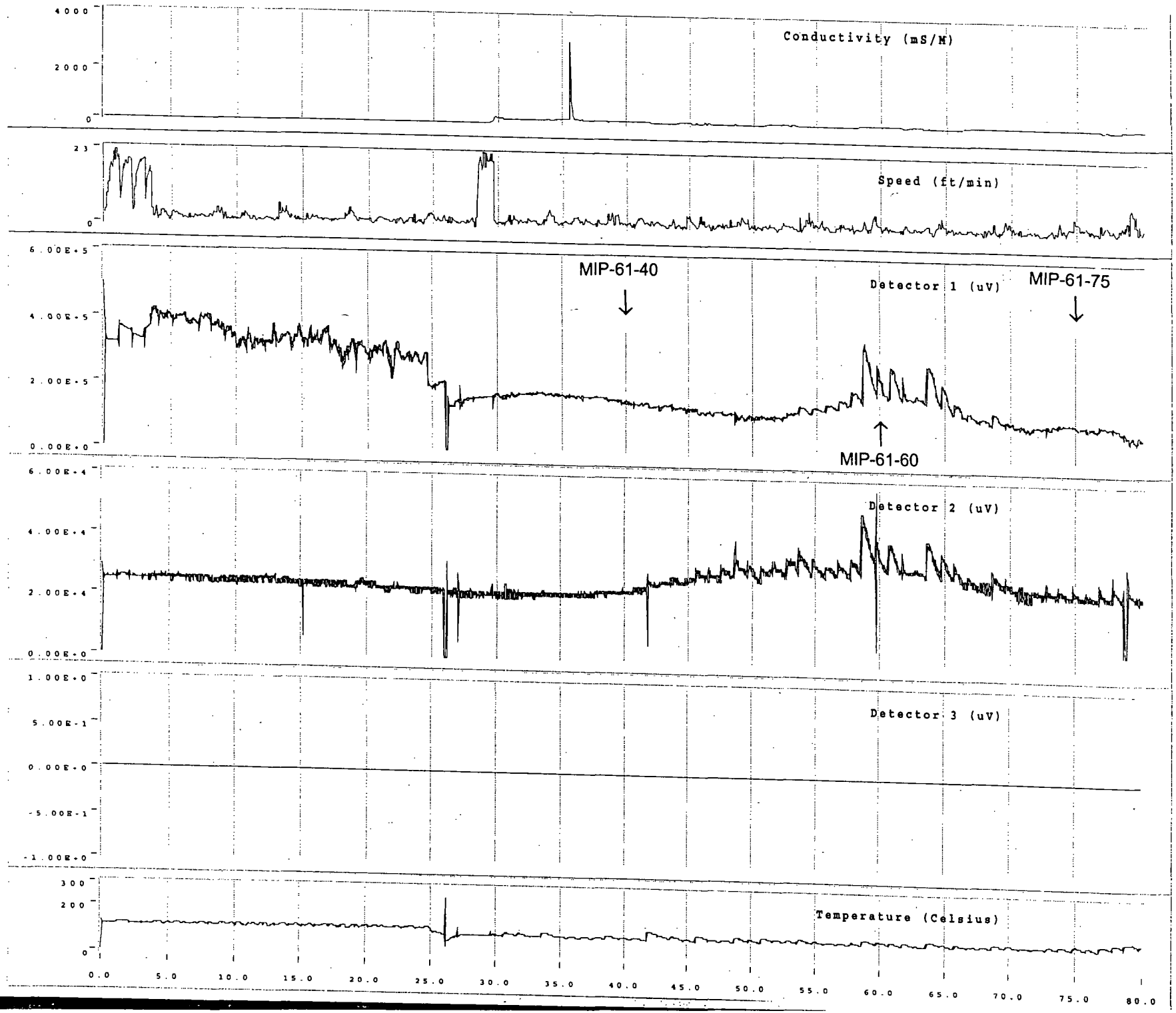

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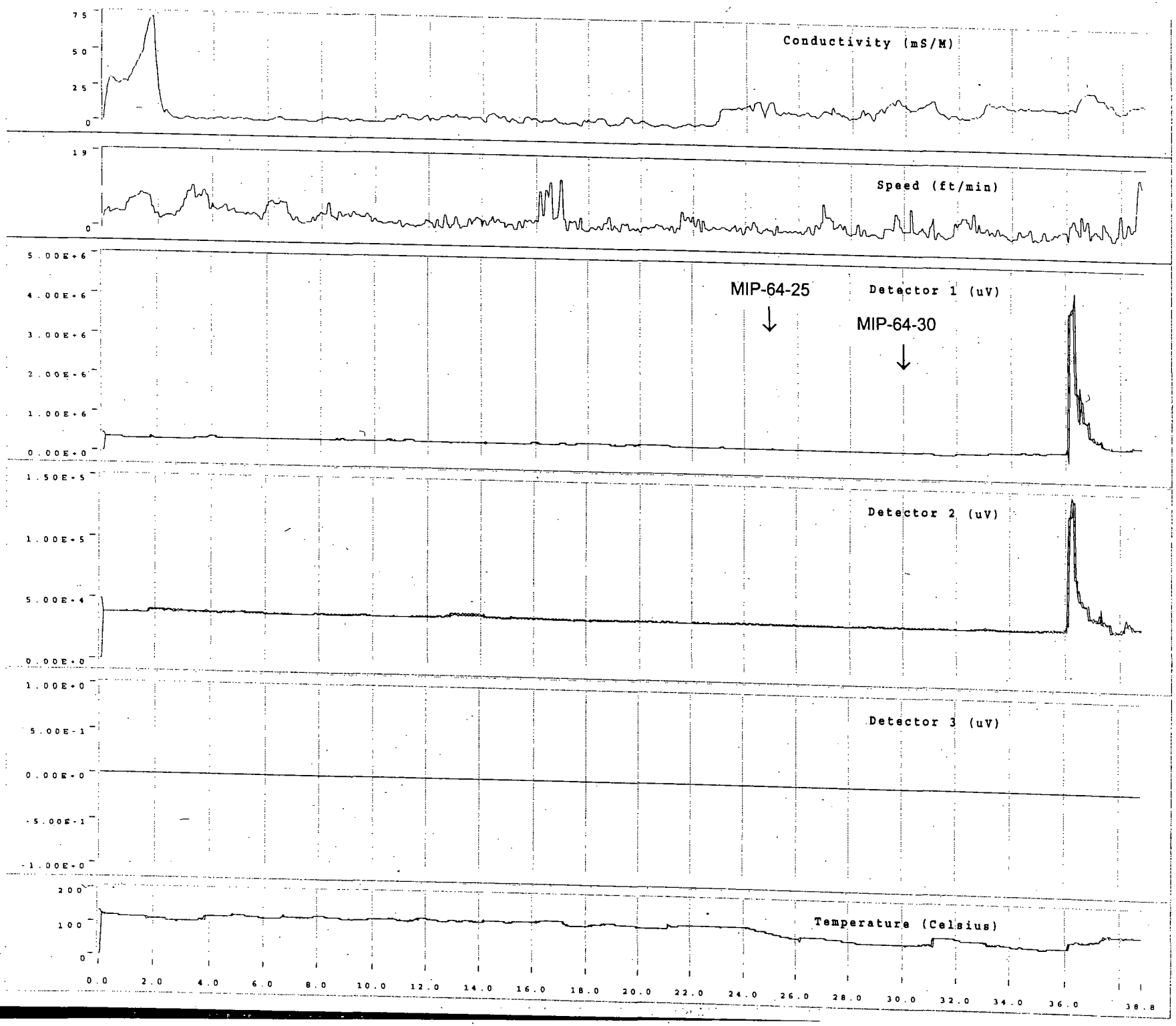

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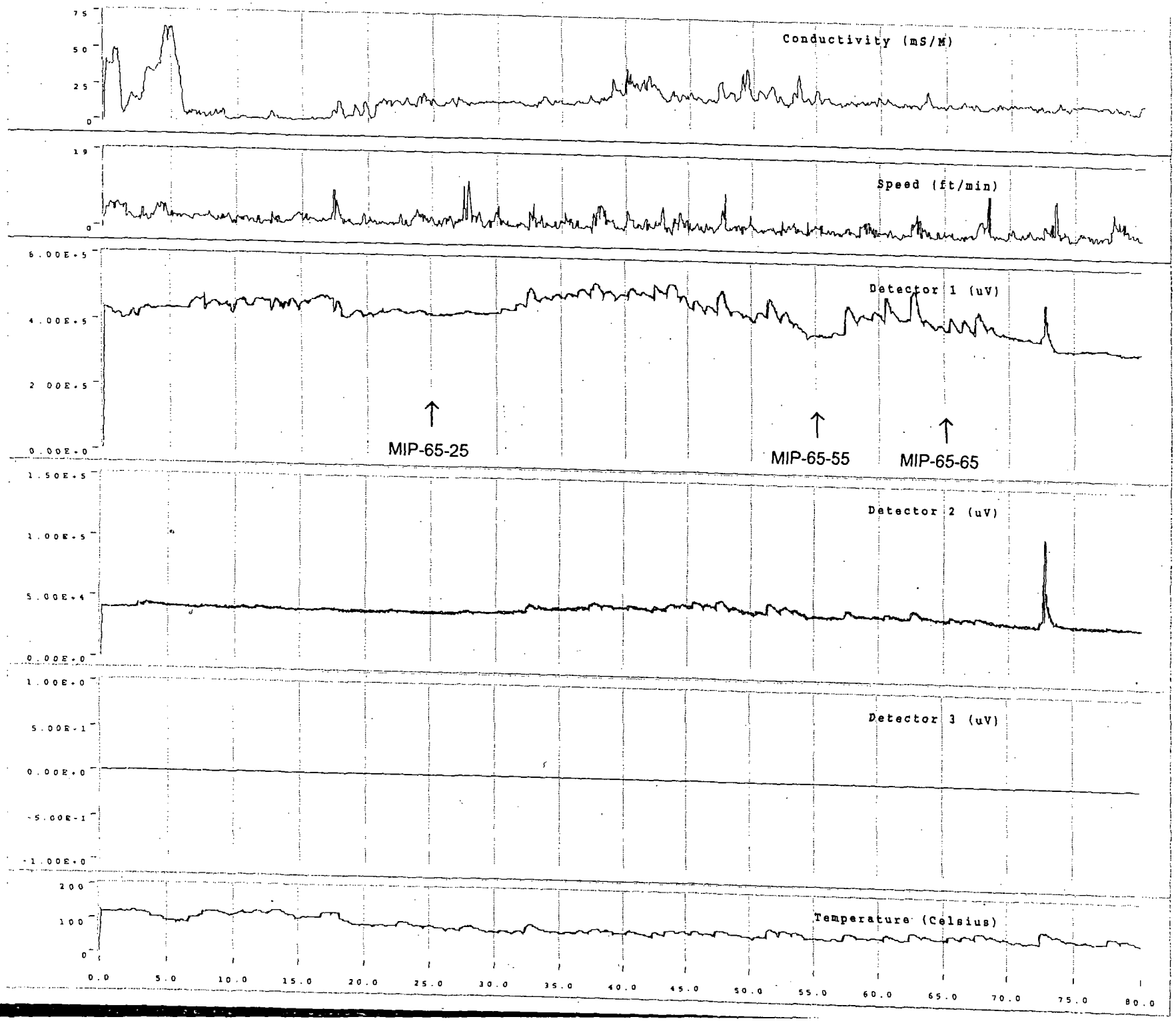

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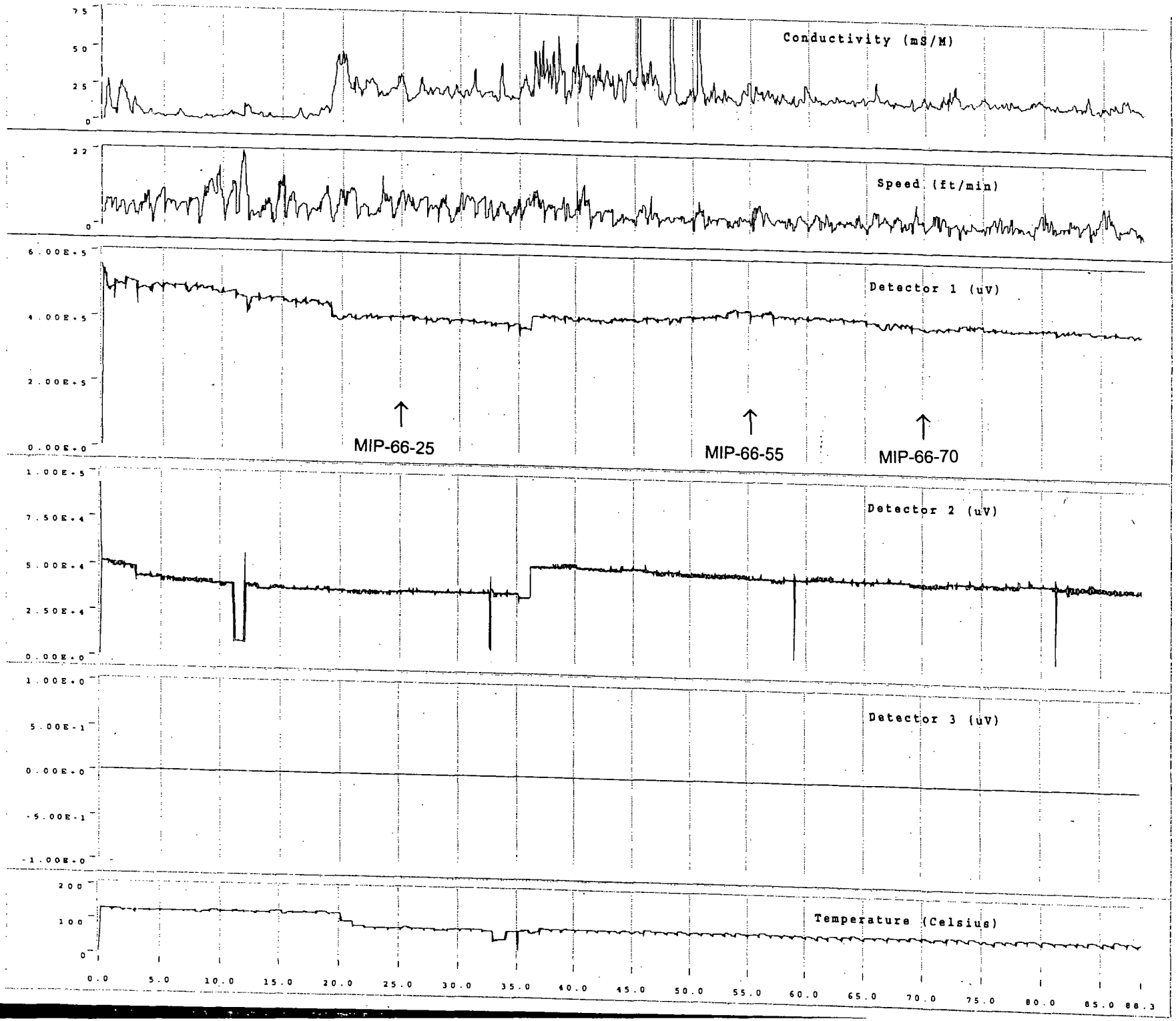

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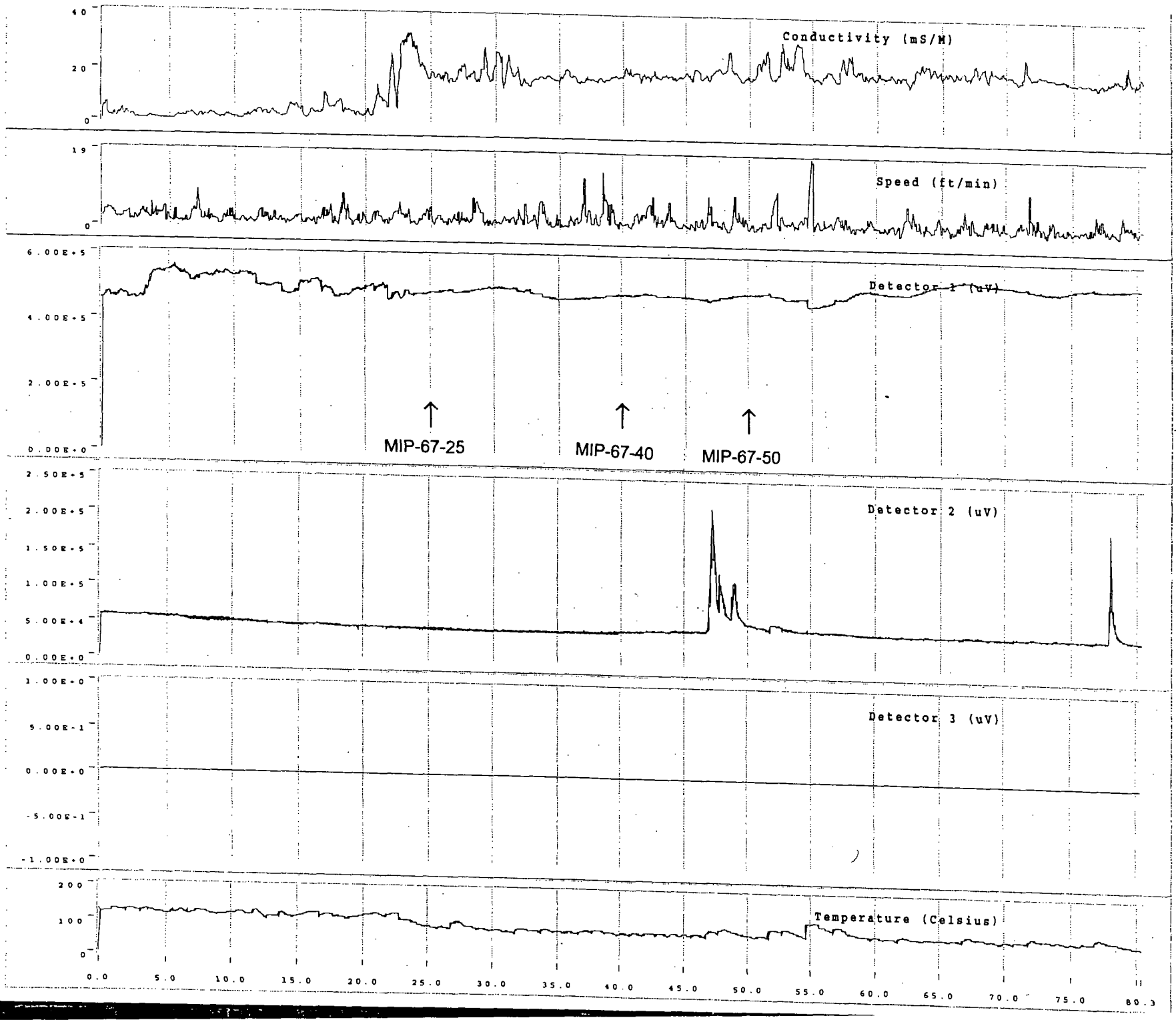

OHIO DEPARTMENT of NATURAL RESOURCES

Enter Search Term: search

TELL A FRIEND | ODNR HOME | DIVISIONS | CONTACT ODNR | STATE OF

Water Well Log
Select A Road

Back to Well Logs and Drilling Reports Main Page

Back to Technical Services Section Main Page

Back to Division Programs and Services

Search for All Roads within MONTGOMERY county

Search for a List of Roads within a Township located in MONTGOMERY County

Select a Well Log from the list below.

- Address, Orignal Owners Name, Well Log Number

333 LEO, DANIEL MIKESELLS POTATOE CH, 179367
365 LEO, UNUSUAL TOOL, 179400
401 LEO, UNIVIS LENS CO, 9957328
430 LEO, DAYTON SOFT WATER, 765689
430 LEO, DAYTON SOFT WATER, 765690
430 LEO, DAYTON SOFT WATER, 765691
430 LEO, DAYTON SOFT WATER, 765692
430 LEO, DAYTON SOFT WATER, 765693
430 LEO, DAYTON SOFT WATER, 765694
430 LEO, DAYTON SOFT WATER, 765695
430 LEO, DAYTON SOFT WATER, 765696
430 LEO, DAYTON SOFT WATER, 765697
1119 LEO, AIRTEMP INC, 9957327
LEO, MIKESELLS POTATOE CH, 420738
LEO, PERMA-FIX, 824640
LEO, PERMA-FIX, 824641
LEO, PERMA-FIX, 824642
LEO, PERMA-FIX, 824643
LEO, PERMA-FIX, 824644
LEO, PERMA-FIX, 824645
LEO, PERMA-FIX, 824646
LEO, PERMA-FIX, 824647
LEO, PERMA-FIX, 824648
LEO, PERMA-FIX, 824649

10160 873204 4155764-80

DAIMLERCHRYSLER — Chain-of-Custody

3806 B

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17601
Phone Number: (717) 656-2300
Fax Number: (717) 656-2681

Project Name: DCX - Dayton Thermal
Site Location: Dayton, OH
Site Code:
RFA Number: ET 03073
DaimlerChrysler PM: Gary Stanczuk

Consultant: Earth Tech
Address: 4135 Technology PKWY
Sheboygan, WI. 53083
Consultant PM: Rob Stenson
Phone: 1-920-451-2407 Fax:

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(14) calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC								Remarks
GPW-73-70	10/30/03	1400	G	GW	3	X								
GPW-73-50		1415				X								
GPW-73-30		1430				X								
GPW-27-70		1630				X								
GPW-27-50		1645				X								
GPW-27-30		1700				X								
GPW-71-70		1800				X								
GPW-71-50		1820				X								
GPW-71 30		1835				X								
GPW-27-30 dup		1700				X								

Sampler(s): D. December

Cooler ID #

Samples Relinquished under Airbill No.

Temperature (corrected) 4°C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
D. December	10/31/03	1330				Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			[illegible]	11/1/03	1050	Yes No

Is RFA sampling complete? Yes (No)

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow : Retained by laboratory Pink: Retained by sampler

EPA Region 5 Records Ctr.
349894

Revision No. 3
Created. July 9, 1999

DIRECTIONS FOR COMPLETING THE DAIMLERCHRYSLER CORPORATION CHAIN-OF-CUSTODY

Project Name: Site or project name from where samples are collected.
Site Location: City and state of project.
Site Code: Specified DaimlerChrysler site code relating to this project.
RFA Number: Specified RFA number under which these samples were collected and analyzed.
DaimlerChrysler PM: The name of the project manager responsible for work performed on this site.
Consultant: Name of primary consulting organization.
Address: Name of organization and address.
Consultant PM: The name of consultant's project manager who is to receive the analytical results/data packages.
Phone #: Phone number of the project manager.
Fax #: Facsimile number of the project manager.

Turn-around Time: Circle the TAT required for the samples.
Data Deliverables: Circle the data deliverable level required.

Sample Identification: Indicate the unique sample identification to appear on the analytical report. If collection of site-specific MS/MSD is required these samples must be specified by the sampler.

Date Collected: Enter the date of sample collection in (mm/dd/yy) format.

Time Collected: Enter the time of sample collection in military hour format. **Note:** The date and time of collection for trip blanks should be entered as the date and time that the first volatile investigatory sample was collected and placed in the sample cooler.

Grab (G) or Composite (C): Enter a "G" for grab if the sample was taken from a discrete location or depth. Enter a "C" if the sample was taken from multiple locations or depths and homogenized prior to sampling.

Matrix Code: Enter the type of sample submitted using the matrix codes listed on the front of the Chain-of-Custody.

Number of Containers: Indicate the total number of containers submitted for each sampling point.

Compound List/Parameter and Analytical Method Requested: Enter the list of compounds requested (i.e., volatiles) or parameter, the analytical method by which the sample is to be analyzed, the bottle type, and preservative used (if any).

Remarks: List special instructions about the samples (i.e., high levels of analytes, hazardous elements expected, etc.).

Sampler(s): Print the name(s) of the person(s) who collected the samples.

Cooler ID#: List the cooler number which contains the samples listed on the COC.

Airbill No.: Enter the airbill number under which the samples are submitted to the laboratory.

Relinquished by/Received by: The Chain-of-Custody must be signed <u>each time</u> the sample changes hands. Since custody seals will be placed on the outside of the cooler, the carrier's airbill will serve as documentation of custody and will not require a signature from the carrier on the Chain-of-Custody.

Cooler Temperature (LAB USE ONLY): The laboratory is required to measure the internal temperature of the sample cooler upon receipt by use of a temperature blank submitted with each cooler. The true temperature (inclusive of any calibration correction factors) is reported in degrees Celsius.

Custody Seals Intact: Field personnel are required to place custody seals on all coolers prior to sample shipment. The laboratory is required to verify the integrity of the samples upon laboratory receipt. Personnel should circle the appropriate response.

Page __ of ____: Specify the number and total number of Chain-of-Custody forms relating to this shipment of samples.

10160 873204 4154764-80

DAIMLERCHRYSLER — Chain-of-Custody

3802 B

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17601
Phone Number: (717) 656-2300
Fax Number: (717) 656-2681

Project Name: DCX-Dayton Thermal
Site Location: Dayton, OH
Site Code:
RFA Number: ET 03073
DaimlerChrysler PM: Gary Stanczuk

Consultant: EarthTech
Address: 4135 Technology PKWY
Sheboygan, WI 53083
Consultant PM: Rob Stensrud
Phone: (920) 451-2407 Fax:

Turn-around Time Request: (circle)
24 calendar hrs.
48 calendar hrs.
7 calendar days
(14) calendar days

Data Package Deliverables: (circle)
DaimlerChrysler Level (1)
DaimlerChrysler Level 2
CLP

Compound List-Parameter/Method/Bottle Type/Preservative

Matrix Codes
S - Soil
SW - Surface Water
GW - Groundwater
A - Air
Sed. - Sediment
O - Other (specify)

Are aqueous samples field filtered for metals? Yes No

Field Sample Identification	Date Collected	Time Collected	Grab (G) or Composite (C)	Matrix Code	Total # of Containers	VOC									Remarks
GPW-72-70	10/31/03	950	G	GW	3	X									
GPW-72-50	↓	1005	↓	↓	↓	X									
GPW-72-30		1020				X									
GPW-29-70		1215				X									
GPW-29-50		1230				X									
GPW-29-30	↓	1250	↓	↓	↓	X									
Trip Blank					4										

Sampler(s): D. December

Cooler ID #

Samples Relinquished under Airbill No.

Temperature (corrected) 4°C

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Custody Seal Intact?
D. December	10/31/03	1330				Yes No
Relinquished by:	Date:	Time:	Received for Laboratory by:	Date:	Time:	Custody Seal Intact?
			[signature]	11/1/03	1050	Yes No

Is RFA sampling complete? Yes (No)

DaimlerChrysler Corporation 800 Chrysler Drive, CIMS 482-00-51, Auburn Hills, Michigan 48326-2757

Distribution: White copy: Data package Yellow: Retained by laboratory Pink: Retained by sampler

Revision No. 3
Created: July 9, 1999

DIRECTIONS FOR COMPLETING THE DAIMLERCHRYSLER CORPORATION CHAIN-OF-CUSTODY

Project Name: Site or project name from where samples are collected.
Site Location: City and state of project.
Site Code: Specified DaimlerChrysler site code relating to this project.
RFA Number: Specified RFA number under which these samples were collected and analyzed.
DaimlerChrysler PM: The name of the project manager responsible for work performed on this site.
Consultant: Name of primary consulting organization.
Address: Name of organization and address.
Consultant PM: The name of consultant's project manager who is to receive the analytical results/data packages.
Phone #: Phone number of the project manager.
Fax #: Facsimile number of the project manager.

Turn-around Time: Circle the TAT required for the samples.
Data Deliverables: Circle the data deliverable level required.

Sample Identification: Indicate the unique sample identification to appear on the analytical report. If collection of site-specific MS/MSD is required these samples must be specified by the sampler.

Date Collected: Enter the date of sample collection in (mm/dd/yy) format.

Time Collected: Enter the time of sample collection in military hour format. **Note:** The date and time of collection for trip blanks should be entered as the date and time that the first volatile investigatory sample was collected and placed in the sample cooler.

Grab (G) or Composite (C): Enter a "G" for grab if the sample was taken from a discrete location or depth. Enter a "C" if the sample was taken from multiple locations or depths and homogenized prior to sampling.

Matrix Code: Enter the type of sample submitted using the matrix codes listed on the front of the Chain-of-Custody.

Number of Containers: Indicate the total number of containers submitted for each sampling point.

Compound List/Parameter and Analytical Method Requested: Enter the list of compounds requested (i.e., volatiles) or parameter, the analytical method by which the sample is to be analyzed, the bottle type, and preservative used (if any).

Remarks: List special instructions about the samples (i.e., high levels of analytes, hazardous elements expected, etc.).

Sampler(s): Print the name(s) of the person(s) who collected the samples.

Cooler ID#: List the cooler number which contains the samples listed on the COC.

Airbill No.: Enter the airbill number under which the samples are submitted to the laboratory.

Relinquished by/Received by: The Chain-of-Custody must be signed <u>each time</u> the sample changes hands. Since custody seals will be placed on the outside of the cooler, the carrier's airbill will serve as documentation of custody and will not require a signature from the carrier on the Chain-of-Custody.

Cooler Temperature (LAB USE ONLY): The laboratory is required to measure the internal temperature of the sample cooler upon receipt by use of a temperature blank submitted with each cooler. The true temperature (inclusive of any calibration correction factors) is reported in degrees Celsius.

Custody Seals Intact: Field personnel are required to place custody seals on all coolers prior to sample shipment. The laboratory is required to verify the integrity of the samples upon laboratory receipt. Personnel should circle the appropriate response.

Page __ of ____: Specify the number and total number of Chain-of-Custody forms relating to this shipment of samples.

Analysis Report

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

248-576-5741

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 873204. Samples arrived at the laboratory on Saturday, November 01, 2003. The PO# for this group is N99C403749-B.

Client Description	Lancaster Labs Number
GPW-73-70 Grab Water Sample	4155764
GPW-73-50 Grab Water Sample	4155765
GPW-73-30 Grab Water Sample	4155766
GPW-27-70 Grab Water Sample	4155767
GPW-27-50 Grab Water Sample	4155768
GPW-27-30 Grab Water Sample	4155769
GPW-71-70 Grab Water Sample	4155770
GPW-71-50 Grab Water Sample	4155771
GPW-71-30 Grab Water Sample	4155772
GPW-27-30Dup Grab Water Sample	4155773
GPW-72-70 Grab Water Sample	4155774
GPW-72-50 Grab Water Sample	4155775
GPW-72-30 Grab Water Sample	4155776
GPW-29-70 Grab Water Sample	4155777
GPW-29-50 Grab Water Sample	4155778
GPW-29-30 Grab Water Sample	4155779
Trip_Blank Water Sample	4155780

1 COPY TO	Earth Tech	Attn: Ms. Lisa Smith
1 COPY TO	Earth Tech	Attn: Mr. Rob Stenson

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm *parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams.* For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

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Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
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+	Correlation coefficient for MSA <0.995

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Lancaster Laboratories

Questions? Contact your Client Services Representative
Katherine A Klinefelter at (717) 656-2300.

Respectfully Submitted,

Robert E. Mellinger
Sr. Chemist/Coordinator

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
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umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
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meq	milliequivalents	**lb.**	pound(s)
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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155766

GPW-73-30 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 14:30 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:38
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7330 SDG#: DCN71-03

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	2.	J	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	3.	J	0.8	ug/l	1
05396	Chloroform	67-66-3	1.	J	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	2.	J	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	0.7	J	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	100.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	1.	J	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155766

GPW-73-30 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 14:30 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:38
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7330 SDG#: DCN71-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Matrix QC was performed on this sample for the GCMS volatile analysis. Please see the attached QC summary report for compounds showing a matrix bias.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/07/2003 13:05	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2003 13:05	Susan McMahon-Luu	n.a.

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2425 New Holland Pike • Lancaster, PA 17601

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155765

GPW-73-50 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 14:15 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:38
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7350 SDG#: DCN71-02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	2.	J	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	0.7	J	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	34.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	1.	J	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	9.	J	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

MEMBER ACIL
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umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155765

GPW-73-50 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 14:15 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:38
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7350 SDG#: DCN71-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

The sample for the GC/MS volatile analysis was received with headspace.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/07/2003 12:41	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2003 12:41	Susan McMahon-Luu	n.a.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
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Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155764

GPW-73-70 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 14:00 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:38
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7370 SDG#: DCN71-01

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	1.	J	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	2.	J	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	38.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	4.	J	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	27.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	8.	J	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
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ppb parts per billion

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155764

GPW-73-70 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 14:00 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:38
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7370 SDG#: DCN71-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

The sample for the GC/MS volatile analysis was received with headspace.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/07/2003 12:18	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2003 12:18	Susan McMahon-Luu	n.a.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
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X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155769

GPW-27-30 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 17:00 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:39
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G2730 SDG#: DCN71-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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> greater than

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ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155769

GPW-27-30 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 17:00 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:39
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G2730 SDG#: DCN71-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

The sample for the GC/MS volatile analysis was received with headspace.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/07/2003 14:39	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2003 14:39	Susan McMahon-Luu	n.a.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
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Inorganic Qualifiers

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155768

GPW-27-50 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 16:45 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:39
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G2750 SDG#: DCN71-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05418	Styrene	100-42-5	N.D.	1.	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06302	Acetone	67-64-1	N.D.	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.	1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.	3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.	3.	ug/l	1

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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ppb parts per billion

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155768

GPW-27-50 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 16:45 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:39
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G2750 SDG#: DCN71-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/07/2003 14:16	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2003 14:16	Susan McMahon-Luu	n.a.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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ppb parts per billion

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Organic Qualifiers

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B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155767

GPW-27-70 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 16:30 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:38
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G2770 SDG#: DCN71-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.		0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	0.6	J	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	N.D.		0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	15.	J	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	4.	J	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

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2425 New Holland Pike • Lancaster, PA 17601

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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155767

GPW-27-70 Grab Water Sample
Site Code: SC001 RFA# ET03073.
Dayton Thermal/Dayton, OH
Collected:10/30/2003 16:30 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:38
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G2770 SDG#: DCN71-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

The sample for the GC/MS volatile analysis was received with headspace.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/07/2003 13:52	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2003 13:52	Susan McMahon-Luu	n.a.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
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X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
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+	Correlation coefficient for MSA <0.995

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155772

GPW-71-30 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 18:35 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:39
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7130 SDG#: DCN71-09

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	3.	J	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	11.		0.8	ug/l	1
05396	Chloroform	67-66-3	6.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	5.	J	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	0.7	J	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	210.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	2.	J	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	1.	J	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	N.D.		6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	N.D.		3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

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ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155772

GPW-71-30 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 18:35 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:39
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7130 SDG#: DCN71-09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

The sample for the GC/MS volatile analysis was received with headspace.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/07/2003 15:50	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2003 15:50	Susan McMahon-Luu	n.a.

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

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C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
ug	microgram(s)	**mg**	milligram(s)
ml	milliliter(s)	**l**	liter(s)
m3	cubic meter(s)	**ul**	microliter(s)

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> greater than

J estimated value – The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

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U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

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Analysis Report

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155771

GPW-71-50 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 18:20 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:39
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7150 SDG#: DCN71-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	0.9	J	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	2.	J	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.		0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	6.		1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	9.		0.8	ug/l	1
05396	Chloroform	67-66-3	10.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	2.	J	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	2.	J	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	150.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	4.	J	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05418	Styrene	100-42-5	N.D.		1.	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06302	Acetone	67-64-1	13.	J	6.	ug/l	1
06303	Carbon Disulfide	75-15-0	N.D.		1.	ug/l	1
06305	2-Butanone	78-93-3	5.	J	3.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06308	4-Methyl-2-pentanone	108-10-1	N.D.		3.	ug/l	1
06309	2-Hexanone	591-78-6	N.D.		3.	ug/l	1

MEMBER ACIL
Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Explanation of Symbols and Abbreviations

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meq	milliequivalents	**lb.**	pound(s)
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*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4155771

GPW-71-50 Grab Water Sample
Site Code: SC001 RFA# ET03073
Dayton Thermal/Dayton, OH
Collected:10/30/2003 18:20 by DD

Account Number: 10160

Submitted: 11/01/2003 10:50
Reported: 11/12/2003 at 14:39
Discard: 01/12/2004

DaimlerChrysler Corporation
PO Box 537933
Livonia MI 48153-7933

G7150 SDG#: DCN71-08

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
06310	Xylene (Total)	1330-20-7	0.9	J	0.8	ug/l	1

The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 7.

The sample for the GC/MS volatile analysis was received with headspace.

A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	11/07/2003 15:27	Susan McMahon-Luu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	11/07/2003 15:27	Susan McMahon-Luu	n.a.