7 8 0001

Site:
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SOIL REMEDIATION REPORT

FIRESTONE TIRE AND RUBBER COMPANY
SUPERFUND SITE
ALBANY, GEORGIA

Submitted to:

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION IV

Prepared for:

Bridgestone/Firestone, Inc.
Akron, Ohio

Prepared by:

LAW ENVIRONMENTAL, INC.

Project 41-4537

December 14, 1994

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1.1 Site Location Map
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3.1 Verification Sample Locations and Summary of PCB Concentrations in Soil Map

1.0 INTRODUCTION

Bridgestone/Firestone retained Law Environmental, Inc. (LAW) to manage soil remediation activities at the Firestone Tire and Rubber Company Superfund Site, located in Albany, Dougherty County, Georgia.

Site activities were performed in general accordance with the Soil Remediation Work Plan, dated April 1994, and approved by the Unites States Environmental Protection Agency (USEPA) in a letter dated July 26, 1994.

1.1 SITE LOCATION

The site is located at 3300 Sylvester Road, approximately one mile east of the city limit of Albany, Dougherty County, Georgia. The site location is presented in Figure 1.1.

1.2 SITE DESCRIPTION

The facility is located in the Dougherty Plain District of the Coastal Plain Physiographic Province. The site has a relatively flat to slightly undulating topography with ground surface elevations varying from approximately 200 to 220 feet above mean sea level (MSL). The site is currently zoned as an industrial/commercial area. The areas to the north, east, and west of the site are primarily residential land use. The development area to the south includes a U.S. Naval Reservation and Marine Corps Logistics Support Base. A site plan is presented as Figure 1.2.

1.3 SITE HISTORY

The site was initially constructed in 1967 and was used for manufacturing tires as a Firestone Tire & Rubber Company (Firestone) facility from 1968 to 1986. From 1986, the site remained inactive until March 1990, when Cooper Tire Company purchased the facility and began renovations. Cooper Tire Company is now operating a tire manufacturing facility at the site.

Prior to closing the facility in 1985, Firestone conducted an assessment of potential contamination at the site. From the assessment activities, two areas were identified for further study. The

courtyard area of the site, located in the area between the manufacturing buildings, was the location of underground and aboveground storage tanks, power transformers, road and rail shipping, and material handling operations. The burn pit area, located near the east drainage ditch and storm water retention pond, was the location of an anti-oxidant spill in 1980.

Following the initial assessment activities, Firestone conducted several interim remedial activities, including the following:

- removal of underground storage tanks
- removal of most of the soil contaminated with Polychlorinated biphenyls (PCB)
- installation and operation of a ground-water extraction and treatment system
- performing additional ground-water monitoring

The site was proposed by EPA for the CERCLA National Priorities List (NPL) in June of 1988, and was included on the NPL in October 1989. EPA then submitted a Special Notice Letter to Firestone. Firestone entered into an Administrative Order by Consent (AOC) with EPA in 1990, pursuant to which the company conducted an RI/FS. Information regarding previous environmental investigations at the site were first presented to EPA in October 1990, as a preliminary investigation report under the Administrative Order. A Record of Decision (ROD) was issued with respect to certain issues at the site on June 24, 1993. The remedy called for in the ROD includes the following:

- extraction and on-site treatment of contaminated ground water
- periodic ground-water monitoring
- excavation and disposal of PCB-contaminated soils
- institutional controls on well construction and water use at the site

1.4 CERTIFICATION

Representatives of Law Environmental observed the soil remediation at the Firestone Superfund Site. Law representatives worked under the direction of Mr. R. Neil Davies. Mr. R. Neil Davies is the certifying engineer (Georgia P.E. 19319). Soil Remediation activities began on October 18, 1994 and were completed on November 15, 1994. A representative of the certifying engineer was present during the remedial activities. The required Certification is included on the following page.

CERTIFICATION

An independent registered professional engineer employed by Law Environmental, Inc. directed the soil remediation activities at Firestone's Superfund Site in Albany, Georgia. The professional engineer (R. Neil Davies) directed the activities performed by technicians and engineers required to document compliance with the EPA approved Work Plan. Based on the field quality assurance/control data, monitoring of field activities, and observations made by the professional engineer's representatives, R. Neil Davies, P.E. hereby certifies that the Soil Remediation was executed in accordance with the approved Work Plan.

R. Neil Davies, P.E.
Principal Engineer
Georgia Registration No. 19319

2.0 PURPOSE AND SCOPE

The purpose of the remediation activities was to remove site soils in which PCBs had been detected above 10 parts per million (ppm) and dispose the soils in an off-site Toxic Substances Control Act (TSCA) permitted landfill.

The scope of the soil remediation activities included the following:

- Soil Removal
  - Soil was excavated and placed directly into lined rolloff boxes. The rolloff boxes were covered with waterproof tarps.
- Verification Sampling
  - Samples were obtained to verify that soils remaining in place had PCB concentrations below 10 ppm. Two composite samples were obtained from the excavation bottom and a composite sample was obtained from each wall.
- Site Restoration
  - The excavation was backfilled with clean soils obtained from an off-site borrow pit. A sample of the backfill material was obtained and analyzed for PCBs. PCBs were not detected in the backfill material. The analytical results are contained in Appendix A. The area was reseeded and straw was placed over the area to establish vegetative cover for erosion control.
- Equipment Decontamination
  - Sampling equipment was decontaminated on site. The small quantity of water generated from decontamination activities was mixed in with the soils in the rolloffs. The bucket and arm of the backhoe were pressure washed directly over the rolloff box. The soil and rinse water generated during the decontamination activities was contained in the rolloff box.

3.0 PROCEDURES

3.1 GENERAL

Site activities were performed in general accordance with the EPA approved Soil Remediation Work Plan. The work was performed under a written Health and Safety Plan (HASP) prepared by the Contractor. An Exclusion Zone (EZ) was established around the excavation area to preclude entry of unauthorized personnel and to distinguish the area that personnel must wear the mandated level of personal protective equipment (PPE). A safety meeting was held prior to the beginning to review the HASP and general safety procedures.

3.2 SOIL REMOVAL

Soil removal activities began on October 18, 1994 and were completed on October 19, 1994. EPA representatives, (Charles King, Remedial Project Manager and James Tomicezk, Civil Engineer and EPA representative from Bechtel) observed the soil removal activities. A 13 feet by six feet by eight feet deep pit was excavated with a backhoe and soils were placed directly into the rolloff boxes. During excavation, air monitoring was performed using a mini ram to monitor for particulates. No appreciable concentrations of PCBs were detected above the OSHA Permissible Exposure Limits of 0.5 mg/m^3 for PCBs. Figure 3.1 presents the excavation limits. Approximately 23 cubic yards of soil was excavated.

Excavated soil was transported to Chemical Waste Management's Emelle, Alabama landfill facility on November 15, 1994. The facility is an EPA Toxic Substances Control Act (TSCA) approved facility for landfilling. Robbie D. Wood, Inc. transported the waste in accordance with applicable protocols.

3.3 VERIFICATION SAMPLING

Verification samples were obtained upon completion of the excavation. Sampling procedures were in accordance with the U.S. Environmental Protection Agency, Region IV, Environmental Compliance Branch Standard Operating Procedures and Quality Assurance Manual (ECBSOPQAM). Two verification samples (FLE-011 and FLW-012) were obtained from the excavation bottom.

Four locations from the east and west halves of the excavation bottom were composited into a sample. The locations are shown on Figure 3.1. Four additional verification samples (WLN-027, WLS-014, WLE-015, AND WLW-016) were obtained from the excavation walls. Four locations along each wall were composited into a verification sample for the north and south wall, and two locations along each wall were composited for the east and west walls.

The samples were obtained with stainless steel hand augers. Soil from each location for the composite sample was placed in a stainless steel bowl and thoroughly mixed. After mixing, a PCB field screening test (DTEC Environmental Detection Systems) was performed on each composite sample. If the DTEC results showed PCB concentrations below the performance standard, a sample container was filled with the soil so the sample could be sent to the laboratory for analysis. The procedure adapted was as follows:

- If the DTEC results showed PCB concentrations above the performance standard, the sample was disposed of in the rolloff and additional excavation was performed, and the area was resampled. In addition to DTEC, preverification samples were sent to RCRA Analytical Services, Inc. in Athens, GA for preliminary PCB analyses. Preliminary PCB results were obtained within 24 hours. When preverification sample results indicated concentrations below the 10 ppm performance standard, official verification samples were sent to Law Environmental National Laboratories (LENL), in Pensacola, Florida, for Contract Laboratory Program (CLP) analyses.

The DTEC and RCRA Laboratory results indicated PCB concentrations below the performance standard for all composite samples except for the north wall. Additional soil was excavated from the north wall and the wall was resampled. DTEC was performed on the sample and the results showed a PCB concentration below the performance standard for the composite sample. A sample container was then filled for CLP analysis.

The samples collected during remedial activities were placed in new and contaminant-free soil sample containers prepared by Law Environmental National Laboratories (LENL) in Kennesaw, Georgia. The containers used to collect samples for PCB analyses are described as follows:

- PCB - four and eight-ounce, wide mouth, clear, glass jar with teflon lined screw caps

Each sample container was labelled and properly identified with the following information:

- site name
- sample identification number
- sampler's initials
- date and time sample was obtained
- type analysis required for sample
- sample type (composite)
- sample matrix type

All sample identification labels were filled out with indelible ink and affixed to the sample container.

Soil sampling equipment was decontaminated before sampling to prevent cross-contamination of the samples. Decontamination procedures for the soil sampling equipment (hand augers and stainless steel bowls and spoons) consisted of the following:

1. Wash with phosphate-free laboratory detergent, (Alconox), mixed with potable water, using a brush to remove any particulate matter or surface film.
2. Rinse thoroughly with potable water.
3. Rinse thoroughly with distilled (laboratory grade) water.
4. Rinse with hexane (HPLC grade).
5. Rinse with organic-free water (HPLC grade).

To document sample possession from the time of collection until the sample has been received by the laboratory, a chain-of-custody record was completed by the field personnel and accompanied every sample shipment container. Each sample had an entry on the chain-of-custody form. The sample information entered on the form included the following:

- site name
- project number
- sample identification number
- sample type
- date and time of collection

- parameters for which analyses were requested
- signature of sampler(s)
- signature and date of person relinquishing custody

Coolers were used to temporarily store sample containers for shipment to the laboratory. The coolers were intended to prevent breakage, releases, and contamination of the samples. Coolers and sample containers were properly prepared prior to and after each sampling event. Samples were kept in a cooler and maintained at 4°C during shipment to the laboratory. The samples were delivered to the laboratory via Federal Express on the day after they were collected and prepared.

3.4 SITE RESTORATION

The excavation area was backfilled with clean soil obtained from an off-site borrow source. Analytical results are contained in Appendix A. The backfill was compacted with the bucket of the backhoe and a "wacker packer" soil compactor. The area was seeded and straw was spread over the area to control erosion and help retain moisture to promote grass growth.

3.5 CONSTRUCTION EQUIPMENT DECONTAMINATION

The backhoe was pressure washed prior to beginning excavation activities. Decontamination residues were contained on plastic and disposed in the rolloffs. The bucket and arm of the backhoe were decontaminated after remediation activities prior to beginning backfilling activities. The bucket and arm were decontaminated directly over a rolloff and all residues were contained in the rolloff. No other portions of the backhoe contacted the excavated soils.

4.0 SAMPLE ANALYSES

The samples collected from the soil remediation activities were shipped to LENL in Pensacola, Florida for CLP analyses.

The laboratory followed the guidelines established in the CLP Statement of Work 3/90, OLM01.8 in analyzing the samples:

Compounds	Matrix	EPA Method
PCBs	Soil	8080

The sample locations and analyses performed for each sample are listed on Table 1.

5.0 DATA EVALUATION

The results of PCB analyses on the soil samples obtained from each sample location are presented in Table 1 and the PCB results are shown on Figure 3.1. The analytical data is presented in Appendix A.

5.1 EXTENT OF PCBs IN SOIL

Table 1 summarizes the results of PCB analyses on the soil verification samples. Aroclor 1254 was detected in all six of the samples and the concentrations ranged from 0.032 to 6 ppm. No other aroclors were detected above detection limits. None of the samples analyzed contain concentrations of PCBs above the performance standard of 10 ppm.

6.0 CONCLUSION

Based on the CLP analytical results, soils with PCB concentrations above the performance standard of 10 ppm, were removed from the area of concern. The objectives and requirements of the Soil Remediation Work Plan have been satisfied and no further soil remediation is required.

TABLES

TABLE 1: SUMMARY OF DETECTED PCBs

SAMPLE NUMBER	CONSTITUENT	LOCATION	ANALYSES PCBs (ppm)	DATA FLAGS
FLE-011	Aroclor-1254	Excavation Floor	1.1	
FLW-012	Aroclor-1254	Excavation Floor	6.0	
WLS-014	Aroclor-1254	South Wall	0.86	
WLE-015	Aroclor-1254	East Wall	0.032	J
WLW-016	Aroclor-1254	West Wall	0.35	
WLN-027	Aroclor-1254	North Wall	0.77	

Prepared by/Date: ASS 11/07/94
Checked by/Date: EJK 11/07/94

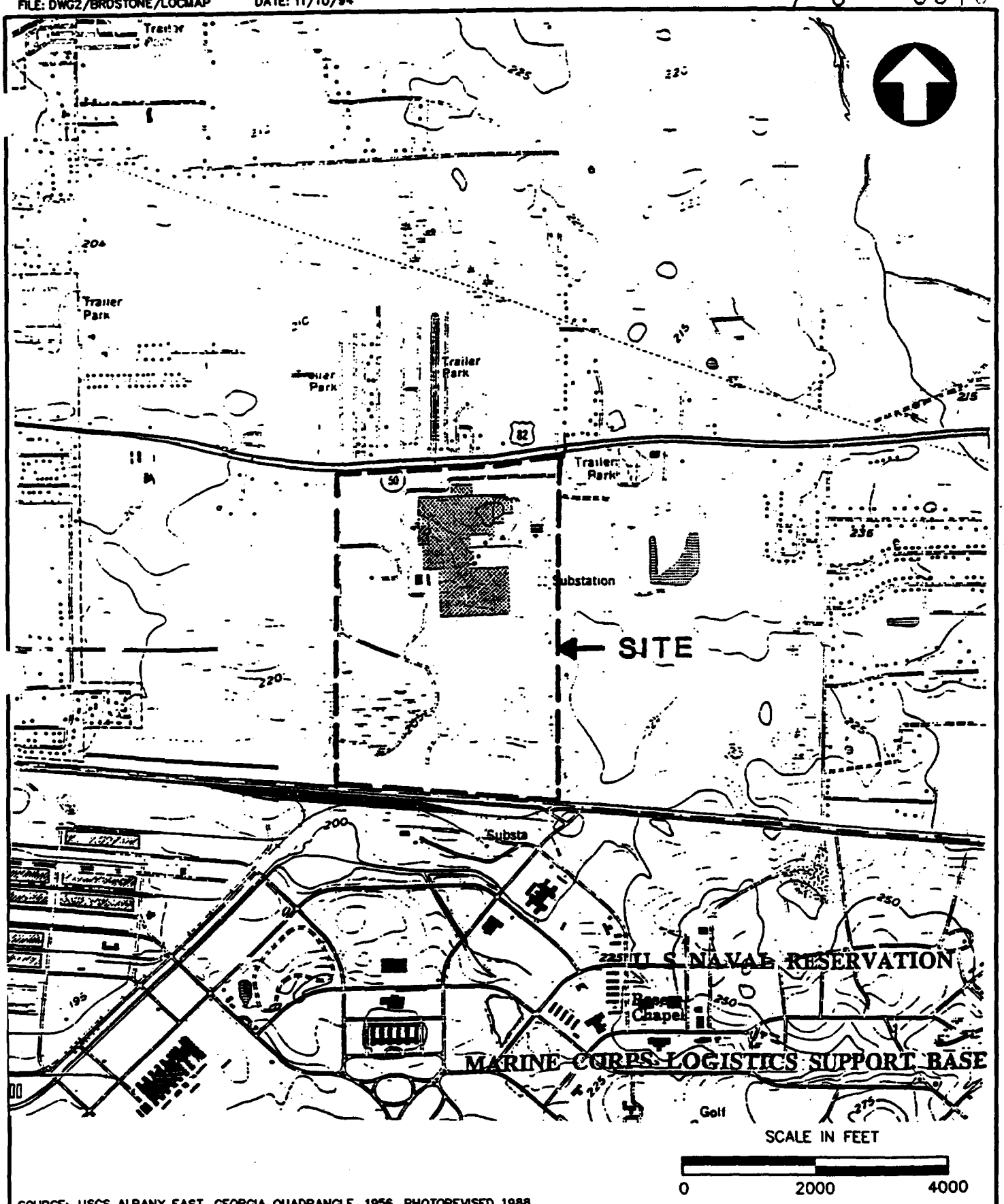
All concentrations in ppm
PCB Analysis (EPA Method 8080)

Key of Data Flags

J – Indicates an estimated value. The reported result is less than the EPA Contract Required Quantitation Limit (CQRL).

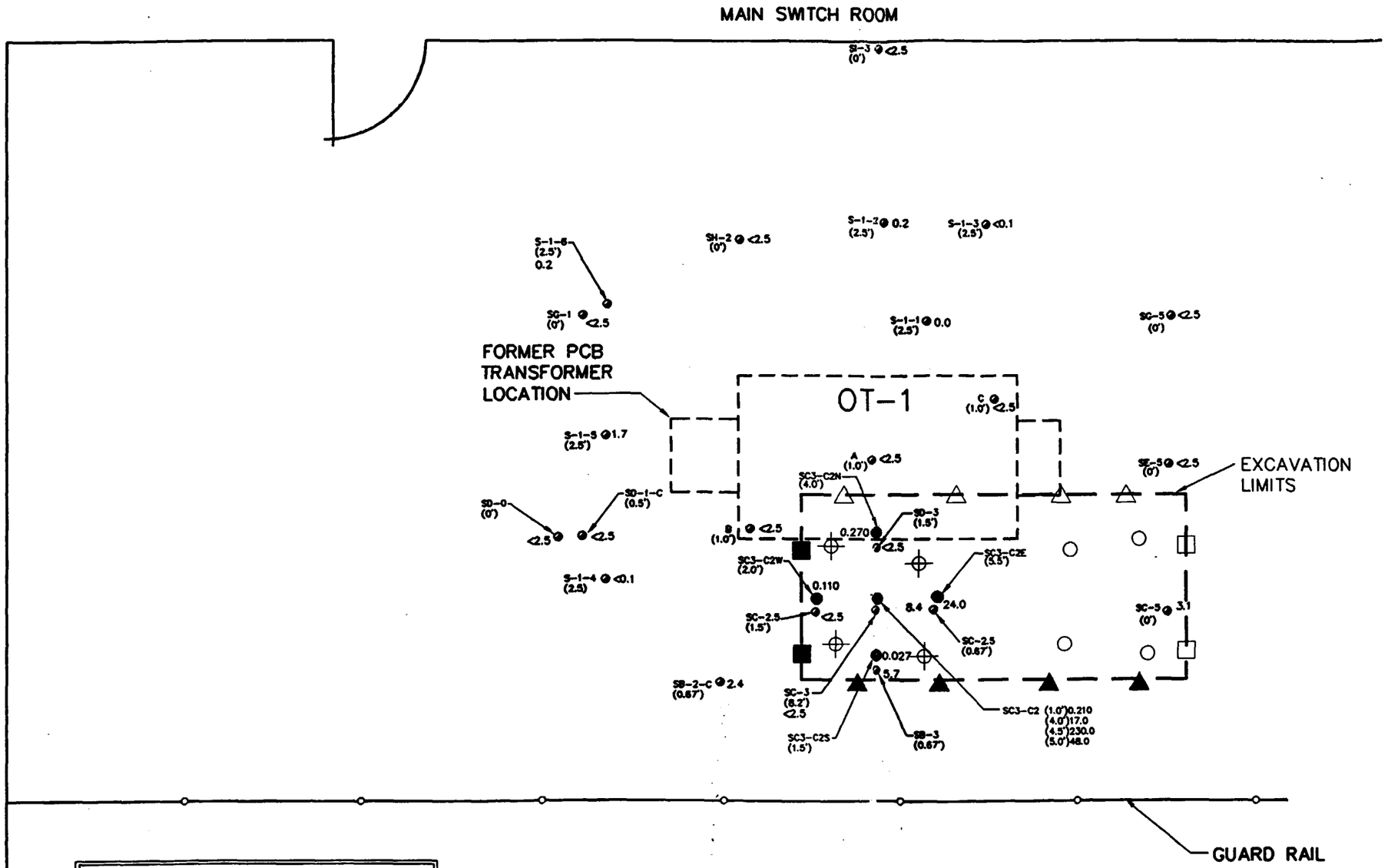
Source: Analytical data provided by Law Environmental National Laboratories

FIGURES



SOURCE: USGS ALBANY EAST, GEORGIA QUADRANGLE, 1956, PHOTOREVISED 1988

IRESTONE TIRE & RUBBER COMPANY SUPERFUND SITE BRIDGESTONE/ FIRESTONE, INC. ALBANY, GEORGIA	LAW ENVIRONMENTAL, INC.	SITE LOCATION MAP PROJECT NO. 41-4537 FIGURE 1.1



LEGEND

- PRE RI SOIL SAMPLE LOCATION
- RI COMFIRMATORY SOIL SAMPLE LOCATION
- <2.5 PCB CONCENTRATION REPORTED IN mg/kg (ppm)
- (0.5') DEPTH OF SAMPLE IN FEET

VERIFICATION SAMPLING COMPOSITE LOCATIONS

- EAST FLOOR FLE-011
- WEST FLOOR FLW-012
- NORTH WALL WLN-027
- SOUTH WALL WLS-014
- EAST WALL WLE-015
- WEST WALL WLW-016

VERIFICATION SAMPLE RESULTS

SAMPLE	PCB CONCENTRATION (ppm)
FLE-011	1.1
FLW-012	6.0
WLS-014	0.86
WLE-015	0.032
WLW-016	0.35
WLN-027	0.77

SCALE IN FEET

0 4 8

SOURCE: WOODWARD-CLYDE CONSULTANTS, REMEDIAL INVESTIGATION REPORT, 1992

FIRESTONE TIRE & RUBBER COMPANY
SUPERFUND SITE
BRIDGESTONE/FIRESTONE, INC.
ALBANY, GEORGIA

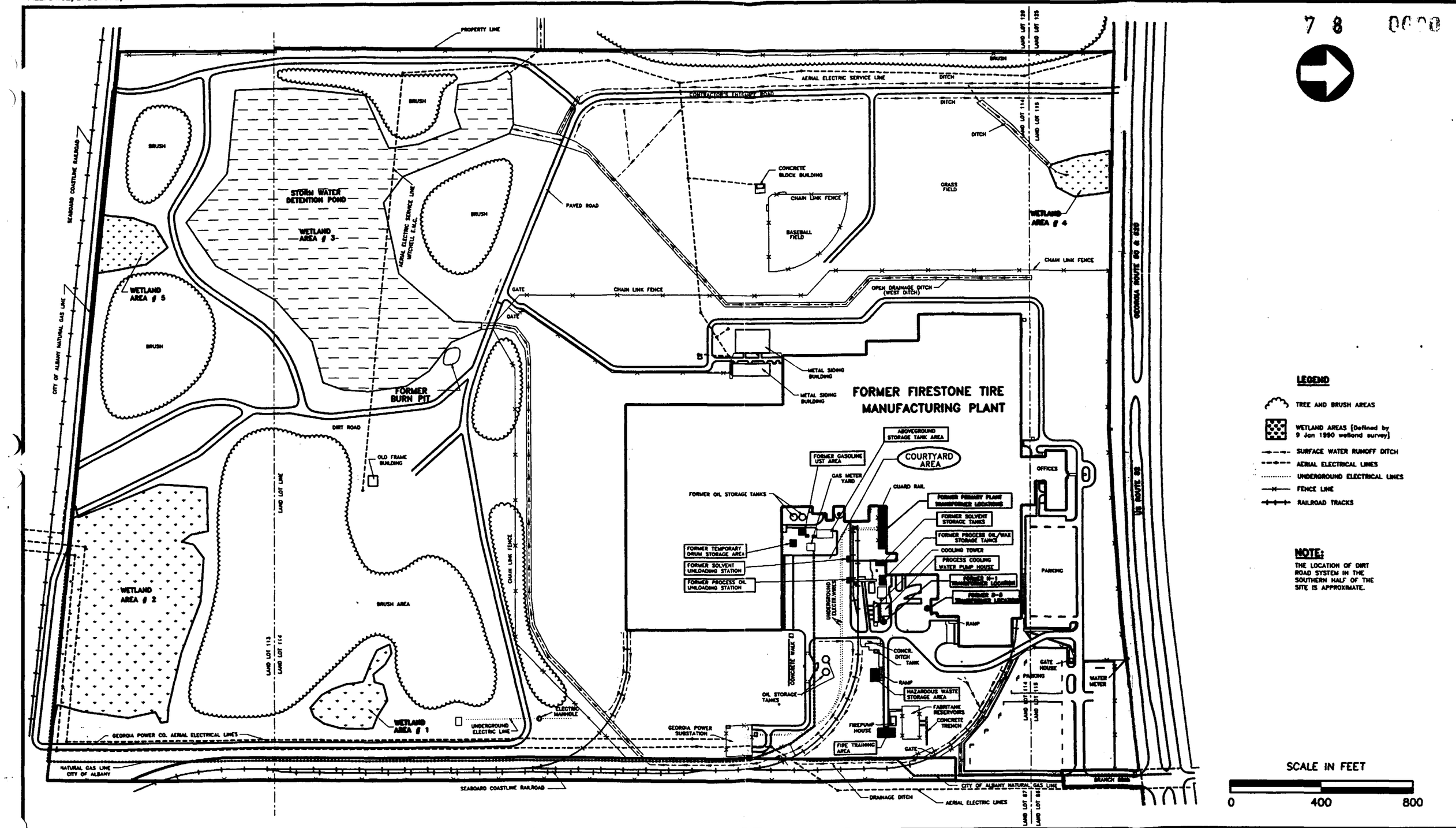
LAW ENVIRONMENTAL, INC.

VERIFICATION SAMPLE LOCATIONS AND SUMMARY OF PCB CONCENTRATIONS IN SOIL MAP

PROJECT NO. 41-4537 FIGURE 3.1

FILE: DWG2/BRDSTONE/FIG1-2 DATE: 11/09/94

7 8 0000



SOURCE: WOODWARD-CLYDE CONSULTANTS, REMEDIAL INVESTIGATION REPORT, 1992

FIRESTONE TIRE & RUBBER COMPANY
SUPERFUND SITE
BRIDGESTONE/FIRESTONE, INC.
ALBANY, GEORGIA

LAW ENVIRONMENTAL, INC.

SITE PLAN
FORMER FIRESTONE TIRE & RUBBER COMPANY SITE

PROJECT NO. 41-4537 FIGURE 1.2

APPENDICES

FINAL (100%) DESIGN DRAWINGS
GROUND-WATER COLLECTION SYSTEM

FIRESTONE TIRE AND RUBBER COMPANY SITE
ALBANY, GEORGIA
PROJECT NO. 41-4537

PREPARED BY:

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

KENNESAW, GA

APRIL 19, 1996

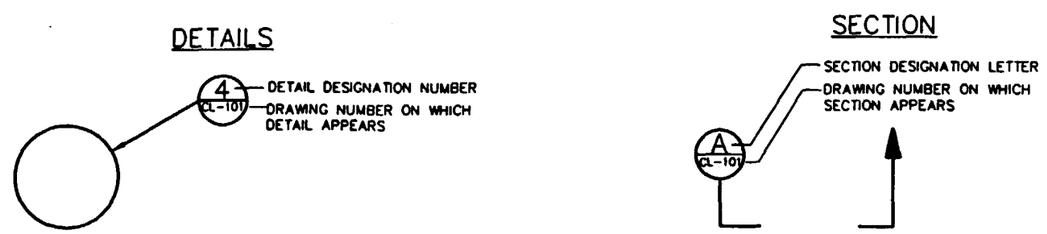
INDEX OF DRAWINGS

PAGE NO.	DRAWING NO.	TITLE
		GENERAL INFORMATION
		COVER SHEET
1	GR-001	INDEX OF DRAWINGS, ABBREVIATIONS AND SYMBOLS
		CIVIL
2	CL-001	SITE PLAN
3	CL-002	SITE LAYOUT
4	CL-003	TRENCH DETAILS
		INSTRUMENTATION
5	PI-001	P & ID LEGEND
6	PI-002	PROCESS FLOW DIAGRAM
7	PI-003	P & ID
		MECHANICAL
8	ME-001	PIPING LAYOUT
9	ME-002	RECOVERY WELL DETAILS
10	ME-003	MECHANICAL DETAILS

ABBREVIATIONS AND SYMBOLS

AFF	ABOVE FINISHED FLOOR	MH	MANHOLE
APPROX	APPROXIMATE	MIN	MINIMUM
BVC	BEGIN VERTICAL CURVE	MSL	MEAN SEA LEVEL
℄	CENTER LINE	MW	MONITORING WELL
CO	CLEANOUT	NO	NUMBER
CMP	CORRUGATED METAL PIPE	NTS	NOT TO SCALE
DEG	DEGREE	OD	OUTSIDE DIAMETER
DIA	DIAMETER	PC	POINT OF CURVATURE
DIM	DIMENSION	PI	POINT OF INTERSECTION
DWG	DRAWING	ℙ	PROPERTY LINE
EL	ELEVATION	PT	POINT OF TANGENCY
EXIST	EXISTING	PVC	POLYVINYLCHLORIDE
EVC	END VERTICAL CURVE	RCP	REINFORCED CONCRETE PIPE
EW	EACH WAY	R/W	RIGHT OF WAY
FT	FEET	SS	STAINLESS STEEL
HDPE	HIGH DENSITY POLYETHYLENE	STA	STATION
HORIZ	HORIZONTAL	TYP	TYPICAL
ID	INSIDE DIAMETER	UV	ULTRAVIOLET
INV	INVERT	VERT	VERTICAL
LF	LINEAR FEET	VLDPE	VERY LOW DENSITY POLYETHYLENE
MAX	MAXIMUM	W/	WITH

GENERAL NOTES 7 8 0023



DETAIL — 4 — DETAIL DESIGNATION NUMBER; CL-101 — DRAWING NUMBER ON WHICH DETAIL APPEARS; CL-001 — DRAWING NUMBER ON WHICH DETAIL IS IDENTIFIED

SECTION — A — SECTION DESIGNATION LETTER; CL-101 — DRAWING NUMBER ON WHICH SECTION APPEARS; CL-001 — DRAWING NUMBER ON WHICH SECTION IS IDENTIFIED

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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED / DRAWN / CHECKED / IN CHARGE / DATE 19 APR 96

FIRESTONE TIRE AND RUBBER COMPANY SITE

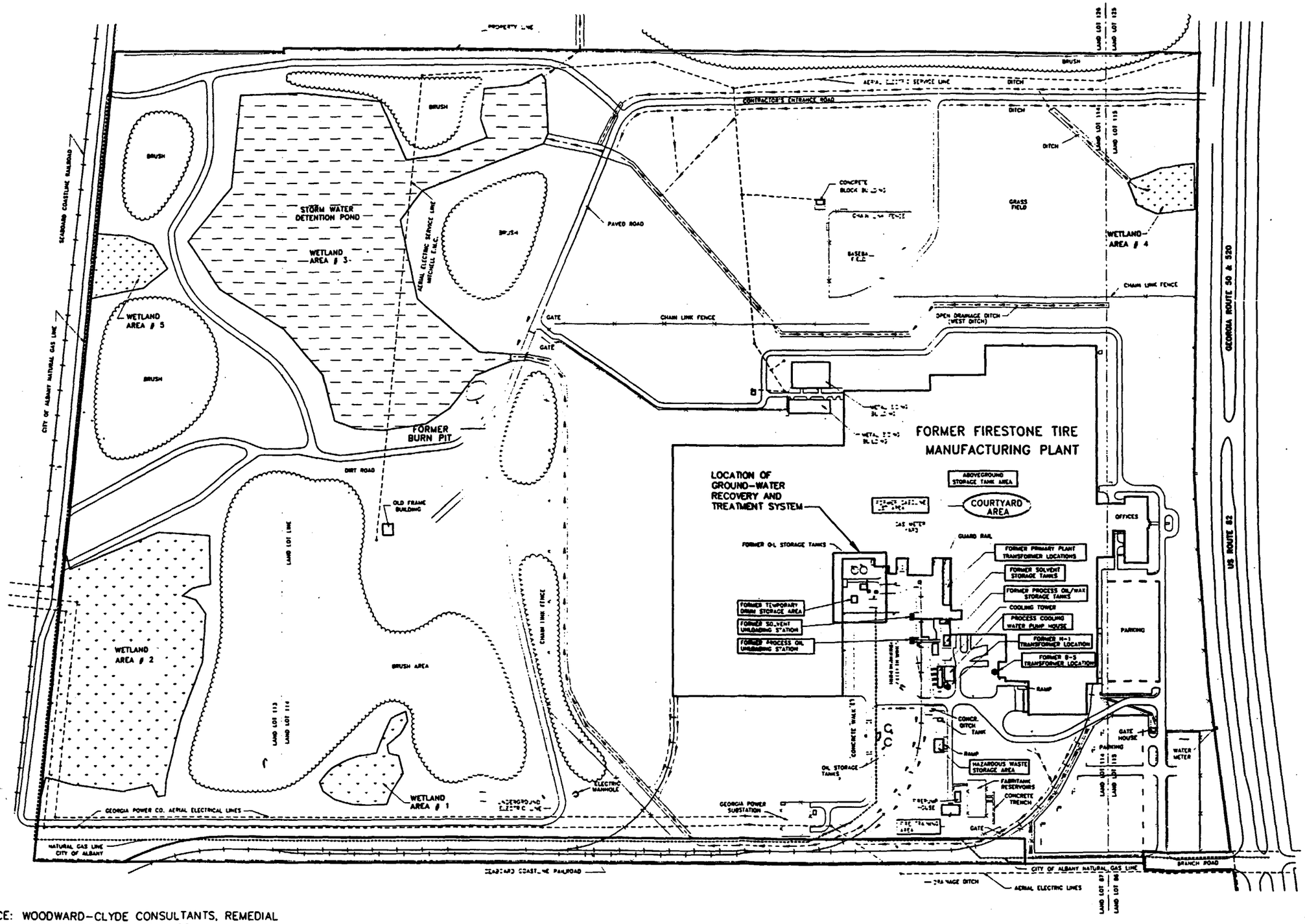
SUBMITTED

LAW ENGINEERING AND ENVIRONMENTAL SERVICES

APPROVED

INDEX OF DRAWINGS, ABBREVIATIONS AND SYMBOLS
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE: NONE
CONTRACT: 41-4537
DWG. NO.: GR-001 REV: 0 PAGE: 1



SOURCE: WOODWARD-CLYDE CONSULTANTS, REMEDIAL INVESTIGATION REPORT, 1992

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APPROVED: [illegible]
DATE 19 APR 96

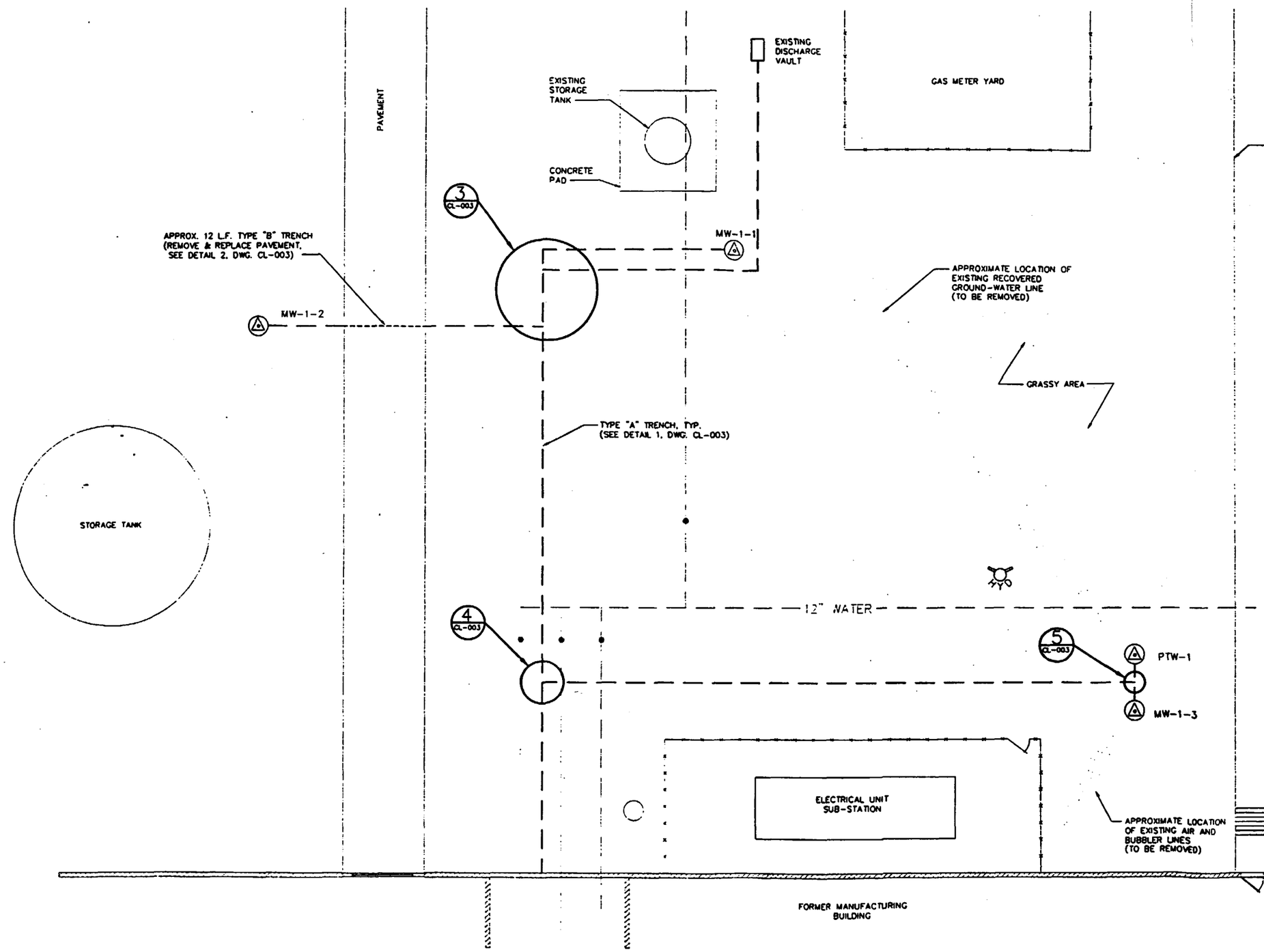
FIRESTONE TIRE AND RUBBER COMPANY SITE

SUBMITTED: [illegible]

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.
APPROVED: [illegible]

SITE PLAN
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE	
1"=200'	
CONTRACT 41-4537	
DWG NO. CL-001	REV 0 / PAGE NO. 2



LEGEND

MW-1-3	RECOVERY WELL
	FENCE
	FIRE HYDRANT
	WATERLINE VALVE
	GROUND-WATER REMEDIATION PIPING
	PROPOSED TYPE "A" TRENCH FOR GROUND-WATER REMEDIATION PIPING
	PROPOSED TYPE "B" TRENCH FOR GROUND-WATER REMEDIATION PIPING

NOTES:

1. MW-1-1 AND MW-1-2 ARE EXISTING MONITORING WELLS WHICH SHALL BE CONVERTED TO RECOVERY WELLS. (SEE DWG. ME-002 FOR COMPLETE DETAILS).
2. PTW-1 AND MW-1-3 ARE EXISTING OPERABLE RECOVERY WELLS WHICH SHALL BE MODIFIED. (SEE DWG. ME-002 FOR COMPLETE DETAILS).
3. CONTRACTOR IS RESPONSIBLE FOR LOCATION, IDENTIFICATION AND PROTECTION OF ALL UTILITIES LOCATED WITHIN THE WORK AREA.
4. REFER TO DWG. ME-001 FOR REQUIRED PIPING IN EACH TRENCH.
5. LOCATIONS OF EXISTING WELLS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY WELL LOCATIONS, ALIGNMENT AND LOCATIONS OF PIPE TRENCHES.

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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED
DRAWN
CHECKED
ENGINEER
DATE 19 APR 96

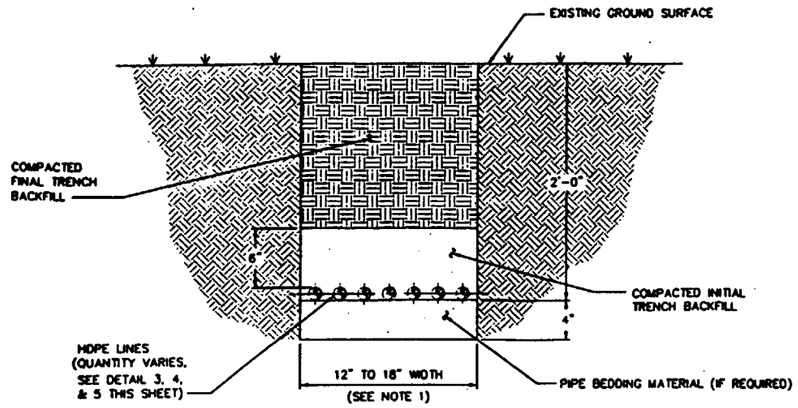
FIRESTONE TIRE AND RUBBER COMPANY SITE

SUBMITTED

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.
APPROVED

SITE LAYOUT
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE 1/8"=1'-0"
CONTRACT 41-4537
DWG. NO. CL-002 REV 0 PAGE 3

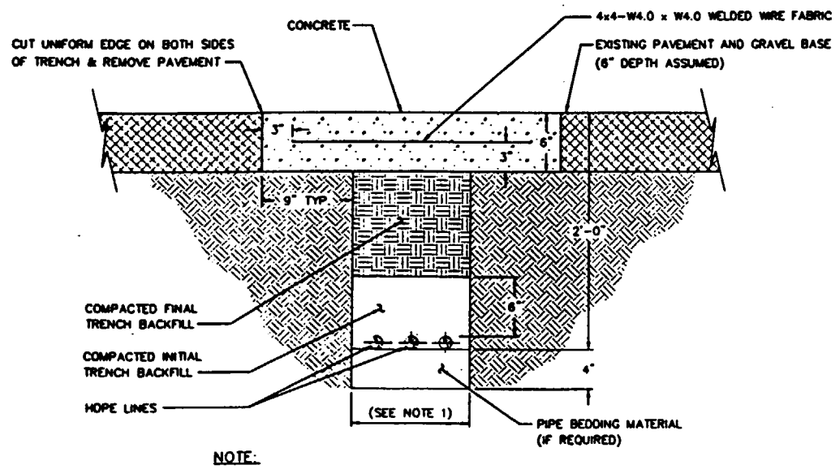


NOTE:

1. TRENCHES SHALL BE EXCAVATED TO MINIMUM WIDTH NECESSARY FOR INSTALLATION OF PIPES. TRENCH SIDES SHALL BE AS NEARLY VERTICAL AS POSSIBLE, IN COMPLIANCE WITH OSHA REQUIREMENTS FOR TRENCH STABILITY.

TYPICAL TYPE "A" TRENCH

DETAIL 1 CL-003 CL-002
SCALE: 1-1/2"=1'-0"

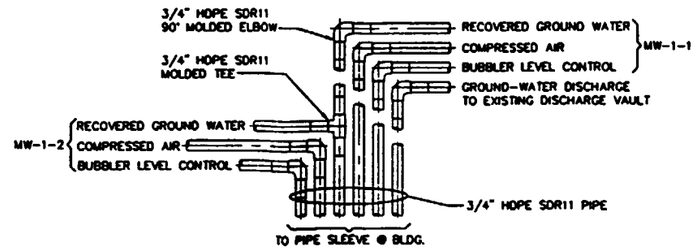


NOTE:

1. TRENCHES SHALL BE EXCAVATED TO MINIMUM WIDTH NECESSARY FOR INSTALLATION OF PIPES. TRENCH SIDES SHALL BE AS NEARLY VERTICAL AS POSSIBLE, IN COMPLIANCE WITH OSHA REQUIREMENTS FOR TRENCH STABILITY.

TYPICAL TYPE "B" TRENCH
(PAVEMENT CROSSING)

DETAIL 2 CL-003 CL-002
SCALE: 1-1/2"=1'-0"



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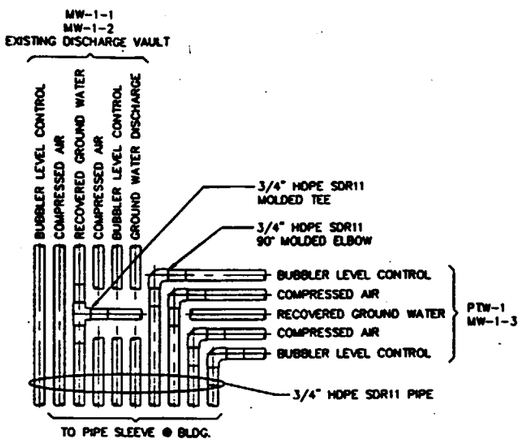

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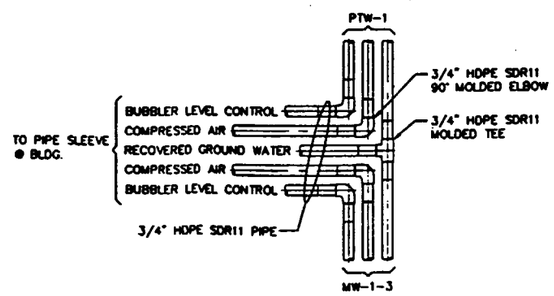

DETAIL 5 CL-003 ME-001
SCALE: 1-1/2"=1'-0"

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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNER
DRAWN
CHECKED
IN CHARGE
DATE 19 APR 96

GEORGIA REGISTERED No. 20047 PROFESSIONAL ENGINEER DANIEL W. CHAMBERLIN

FIRESTONE TIRE AND RUBBER COMPANY SITE

SUBMITTED

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.
APPROVED

TRENCH DETAILS
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE AS SHOWN
CONTRACT 41-4537
DWG. NO. CL-003
REV 0

VALVE SYMBOLS

- BALL VALVE, CLOSED
- BALL VALVE, OPEN
- BUTTERFLY VALVE
- GATE VALVE
- GLOBE VALVE
- CHECK VALVE
- PRESSURE RELIEF OR SAFETY VALVE
- VALVE OR DEVICE
- FLANGED CONNECTION
- SAUNDERS DIAPHRAGM VALVE

VALVE ACTUATOR SYMBOLS

- M XX — PNEUMATIC W/ POSITIONER
- P S XX — PNEUMATIC W/ SOLENOID
- E XX — ELECTRIC
- E XX — ELECTRIC W/ POSITIONER
- TY — VALVE ACTUATOR W/ATTACHED ELECTRO-PNEUMATIC CONVERTER
- H XX — HYDRAULIC
- S XX — SOLENOID
- MANUAL
- FAIL OPEN
- FAIL CLOSED
- 3-WAY VALVE, FAIL OPEN TO PATH A-C
- FAIL LOCKED (POSITION DOES NOT CHANGE)
- FAIL INDETERMINATE

SYMBOL IDENTIFICATION

- 1ST LETTER OF ISA TABLE
- SUCCEEDING LETTERS
- UNIT NUMBER (WHEN MULTIPLE SETS)
- EQUIPMENT NUMBER
- PROCESS NUMBER
- FIELD MOUNTED INSTRUMENT
- REAR OF PANEL MOUNTED DEVICE
- PANEL MOUNT INSTRUMENT
- FUNCTION DESIGNATOR SEE ABBREVIATIONS & LETTER SYMBOLS LIST
- PLC OR DCS FUNCTION OR INPUT/OUTPUT
- DENOTES LOGIC FUNCTION OR COMPUTATION PERFORMED BY PLC OR DCS SOFTWARE
- OR — INTERLOCK, SEE CONTROL DIAGRAM
- SOFTWARE INTERLOCK
- ANALOG SIGNAL
- DISCRETE SIGNAL
- PNUEMATIC SIGNAL
- PULSE FREQUENCY SIGNAL
- INTERFACE TO OR FROM DWG. NO. / INTERFACE LETTER
- PROCESS OR SIGNAL LINE CONTINUATION

INSTRUMENT SOCIETY OF AMERICA TABLE

	FIRST LETTER (S)		SUCCEEDING LETTERS		
LETTER	PROCESS OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS (+)		ALARM		
B	BURNER FLAME		USERS CHOICE (+)	USERS CHOICE (+)	USERS CHOICE (+)
C	CONDUCTIVITY			CONTROL	
D	DENSITY (S.G)	DIFFERENTIAL			
E	VOLTAGE		PRIMARY ELEMENT		
F	FLOW RATE	RATIO			
G	GAUGE		GLASS	GATE	
H	HAND (MANUAL)				HIGH
I	CURRENT		INDICATE		
J	POWER	SCAN			
K	TIME OR SCHEDULE			CONTROL STATION	
L	LEVEL		LIGHT (PILOT)		LOW
M	MOTION				MIDDLE
N	USERS CHOICE (+)		USERS CHOICE (+)	USERS CHOICE (+)	USERS CHOICE (+)
O	USERS CHOICE(+)		ORIFICE		
P	PRESSURE (OR VACUUM)		POINT (TEST CONNECTION)		
Q	QUANTITY OR EVENT (+)	INTEGRATE	INTEGRATE		
R			RECORD OR PRINT		
S	SPEED OR FREQUENCY	SAFETY		SWITCH	
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE (+)		MULTIFUNCTION (+)	MULTIFUNCTION (+)	MULTIFUNCTION (+)
V	VISCOSITY			VALVE OR DAMPER	
W	WEIGHT OR FORCE		WELL		
X	UNCLASSIFIED (+)		UNCLASSIFIED (+)	UNCLASSIFIED (+)	UNCLASSIFIED (+)
Y	USERS CHOICE (+)			RELAY OR COMPUTE (+)	
Z	POSITION			DRIVE, ACTUATE OR UNCLASSIFIED FINAL CONTROL ELEMENT	

(+) WHEN USED, EXPLANATION IS SHOWN ADJACENT TO INSTRUMENT SYMBOL. SEE ABBREVIATIONS AND LETTER SYMBOLS.

ELEMENT SYMBOLS

- FLUME
- WEIR
- ORIFICE PLATE
- VENTURI TUBE
- PITOT-STATIC
- VORTEX METER
- ROTAMETER
- ULTRASONIC FLOWMETER (INLINE)
- PRESSURE REDUCING REGULATOR, SELF-CONTAINED, W/HANDWHEEL ADJUSTABLE SET POINT
- MAGNETIC FLOWMETER
- PROPELLER OR TURBINE METER
- THERMAL DISPERSION FLOWMETER
- ULTRASONIC FLOW METER (CLAMP ON)
- LEVEL (ULTRASONIC)
- LEVEL (BUBBLER TUBE)
- LEVEL (FLOAT)
- TRAP
- POSITIVE DISPLACEMENT FLOW TOTALIZING INDICATOR

MISCELLANEOUS SYMBOLS

- CENTRIFUGAL PUMP
- SUBMERSIBLE PUMP
- BLOWER
- COMPRESSOR UNIT
- AFTERCOOLER
- CHEMICAL FEED PUMP
- DIAPHRAGM PUMP
- Y-STRAINER
- REDUCER
- "KAMLOCK" QUICK CONNECT
- TANK MIXER W/MOTOR
- MOTOR
- VACUUM RELIEF VALVE
- SAMPLE PORT
- AIR DRYER

ABBREVIATIONS & LETTER SYMBOLS

AC	ALTERNATING CURRENT
ACK	ACKNOWLEDGE
AHP	AIR HIGH PRESSURE
AFD	ADJUSTABLE FREQUENCY DRIVE
ALTN	ALTERNATION
AM	AUTO-MANUAL
B/W	BACKWASH
CL_2 etc.	(TYPICAL: USE STANDARD CHEMICAL ELEMENT ABBREVIATION)
COMP	COMPRESSOR
CH_4	METHANE
D	DRAIN
DC	DIRECT CURRENT
DISC	DISCHARGE
DO	DISSOLVED OXYGEN
EF	EXHAUST FAN
EFF	EFFLUENT
EM	EMERGENCY
FCL_2	FREE CHLORINE RESIDUAL
FP-X	FIELD PANEL NO. X
GAL	GALLONS
GPM	GALLONS PER MINUTE
HOA	HAND-OFF-AUTO
LEL	LOWER EXPLOSIVE LIMIT
LOR	LOCAL-OFF-REMOTE
LR	LOCAL-REMOTE
MA	MANUAL-AUTO
MCC	MOTOR CONTROL CENTER
MCP	MAIN CONTROL PANEL
MFR	MANUFACTURER
MOA	MANUAL-OFF-AUTO
MTD	MOTOR TEMPERATURE DETECTOR
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NPT	NATIONAL PIPE TAPER
OC	OPEN-CLOSE (D)
OCR	OPEN-CLOSE-REMOTE
OCA	OPEN-CLOSE-AUTO
OO	ON-OFF
OOA	ON-OFF-AUTO
OOL	ON-OFF-LOCAL
OOR	ON-OFF-REMOTE
OSC	OPEN-STOP-CLOSE
pH	HYDROGEN ION CONCENTRATION
PLC	PROGRAMMABLE LOGIC CONTROLLER
POTW	PUBLICALLY OWNED TREATMENT WORKS
PSV	PRESSURE SAFETY VALVE
PVC	POLYVINYL CHLORIDE
SEQ	SEQUENCE
SP	SAMPLING PORT
SS	START-STOP
SW	SOCKET WELD
TORQ	TORQUE
TURB	TURBIDITY
UPS	UNINTERRUPTIBLE POWER SUPPLY
VIB	VIBRATION
Δ	DIFFERENCE
Σ	SUM
X	MULTIPLY
÷	DIVIDE
√	SQUARE ROOT
>	SELECT HIGHEST SIGNAL
<	SELECT LOWEST SIGNAL
#/HR	POUNDS PER HOUR
ug/L	MICROGRAMS PER LITER

120 V	120 VOLT, 60 Hz POWER
480 V	480 VOLT, 60 Hz, 3 PHASE POWER
* *	PACKAGE SYSTEM
	DENOTES EQUIPMENT IN PACKAGE SYSTEM
	IF REQUIRED

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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED / DRAWN / CHECKED / IN ENGINEER / DATE 19 APR 95

FIRESTONE TIRE AND RUBBER COMPANY SITE

SUBMITTED

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

APPROVED

P & ID LEGEND
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE: NONE

CONTRACT: 41-4537

DWG NO. PI-001 | REV 0 | PAGE 5

7 8 002

CONSTITUENT	① COMPOSITE CONCENTRATION[A] ug/L	② DISCHARGE LIMIT[B] ug/L
BENZENE	13	20
CARBON TETRACHLORIDE	ND	100
CHLOROFORM	ND	4
CHLORINATED ETHANES	2J	700
DICHLOROBENZENES (TOTAL)	NA	4000
DICHLOROETHENES (TOTAL)	2J	20
DICHLOROMETHANE	ND	180
1,1,2,2-TETRACHLOROETHANE	ND	10
1,1,1-TRICHLOROETHANE	ND	20
TOLUENE	ND	2000
XYLENES (TOTAL)	3J	10000

SOURCE: A. VOLATILES DATA REPORT, SDG: 73553, LAW ENVIRONMENTAL NATIONAL LABORATORIES, 1995.

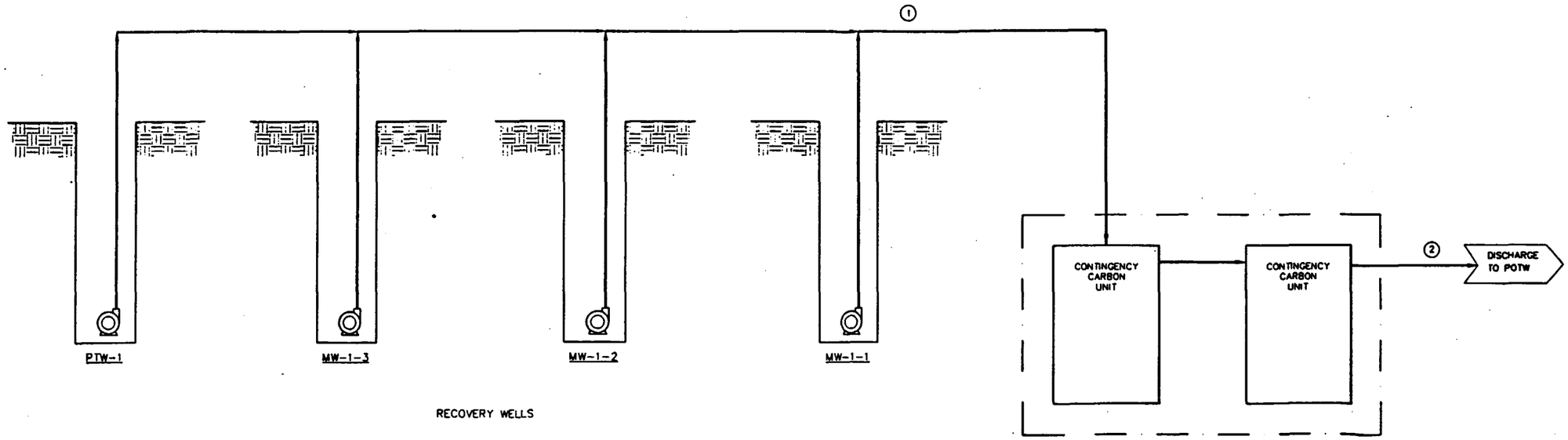
B. INDUSTRIAL WASTEWATER CONTRIBUTION PERMIT NUMBER T-1, USER CODE CO P11.

NOTES: ND - CONSTITUENT WAS NOT DETECTED.

NA - NOT ANALYZED. DATA OBTAINED DURING THE REMEDIAL INVESTIGATION INDICATE THAT DICHLOROBENZENES ARE NOT PRESENT IN SAMPLES COLLECTED FROM THESE WELLS.

J - REPORTED CONCENTRATION IS ESTIMATED.

COMBINED FLOW RATES WERE ANTICIPATED TO BE 30 GALLONS PER HOUR.



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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED
DRAWN
CHECKED
CH GROUP
DATE 19 APR 96

FIRESTONE TIRE AND RUBBER COMPANY SITE

SUBMITTED

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

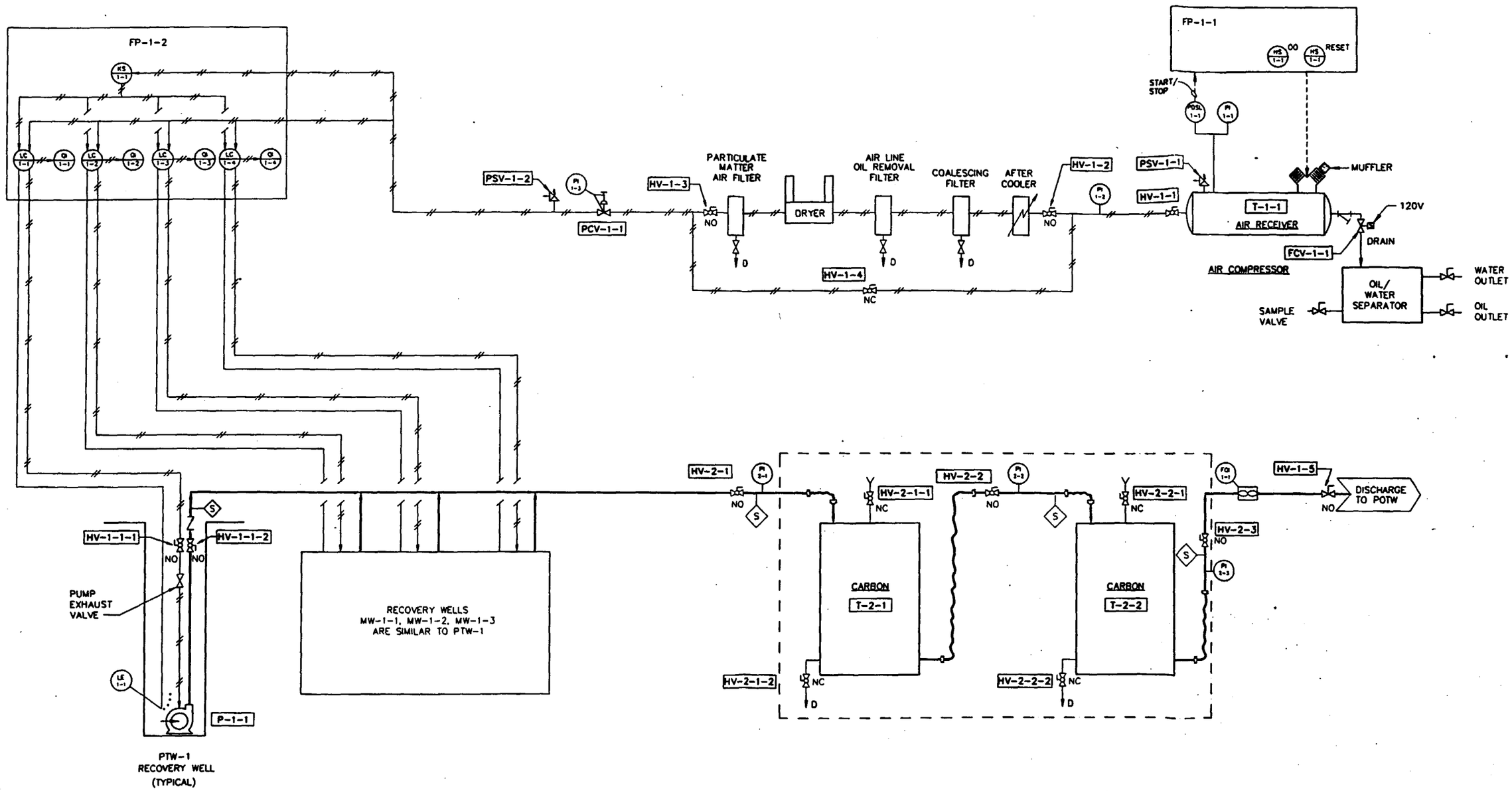
APPROVED

PROCESS FLOW DIAGRAM
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE NONE

CONTRACT 41-4537

DWG NO. PI-002 REV 0



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REV	DATE	BY	SUB	APP	DESCRIPTION	REV	DATE	BY	SUB	APP	DESCRIPTION

DESIGNED
DRAWN
CHECKED
ENGINEER
DATE 19 APR 96

GEORGIA REGISTERED No. 22047 PROFESSIONAL ENGINEER DANIEL W. CHAMBERLIN

FIRESTONE TIRE AND RUBBER COMPANY SITE

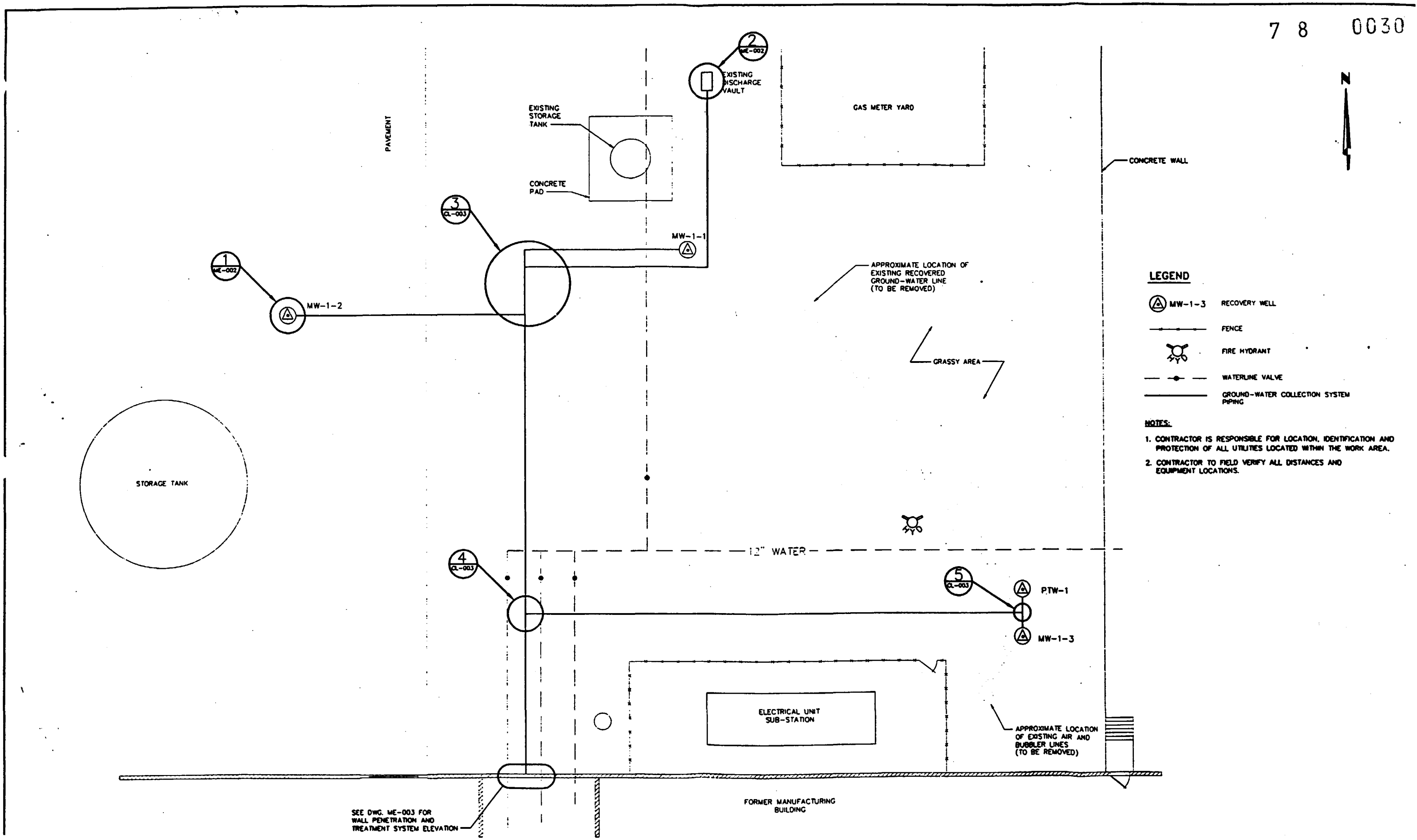
SUBMITTED

LAW ENGINEERING AND ENVIRONMENTAL SERVICES

APPROVED

P & ID
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE NONE
CONTRACT 41-4537
DWG NO. PI-003
REV 0



LEGEND

- MW-1-3 RECOVERY WELL
- FENCE
- FIRE HYDRANT
- WATERLINE VALVE
- GROUND-WATER COLLECTION SYSTEM PIPING

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR LOCATION, IDENTIFICATION AND PROTECTION OF ALL UTILITIES LOCATED WITHIN THE WORK AREA.
2. CONTRACTOR TO FIELD VERIFY ALL DISTANCES AND EQUIPMENT LOCATIONS.

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DESIGNED
DRAWN
CHECKED
IN CHARGE
DATE 19 APR 96

GEORGIA REGISTERED PROFESSIONAL ENGINEER DANIEL W. CHAMBERLIN

FIRESTONE TIRE AND RUBBER COMPANY SITE

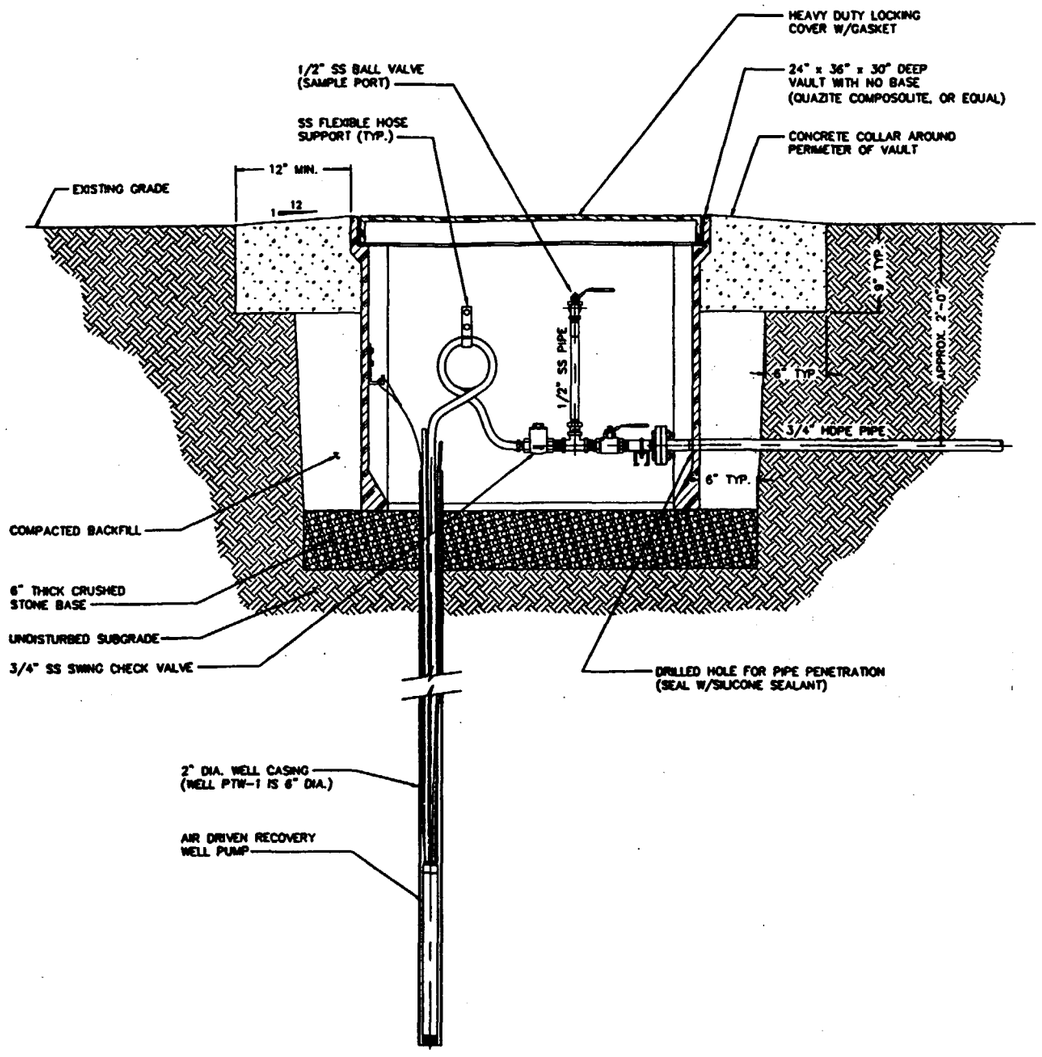
SUBMITTED

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

APPROVED

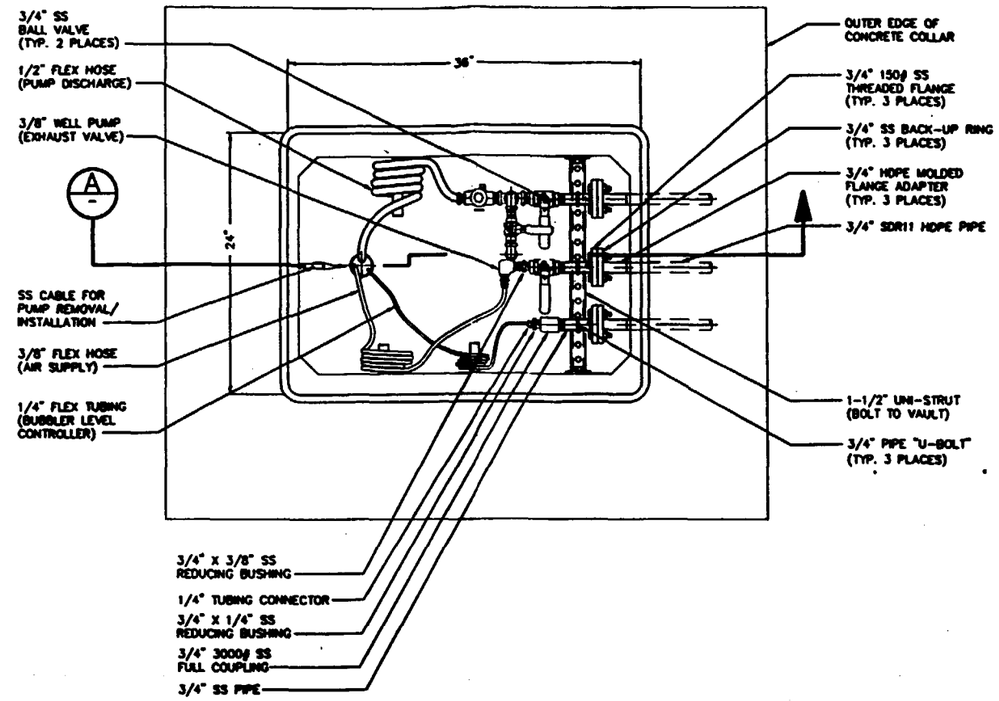
PIPING LAYOUT
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE 1/8"=1'-0"
CONTRACT 41-4537
DWG. NO. ME-001 REV. 0 PAGE 8



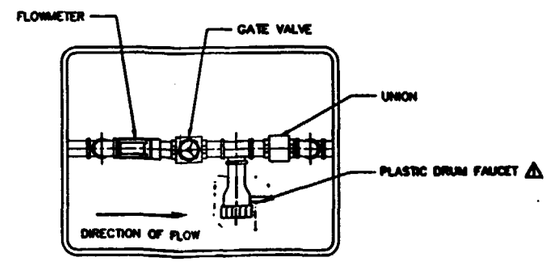
TYPICAL RECOVERY WELL SECTION

SECTION A / -
SCALE: 1-1/2"=1'-0"



TYPICAL RECOVERY WELL PLAN

DETAIL 1 / ME-002 ME-001
SCALE: 1-1/2"=1'-0"



EXISTING DISCHARGE VAULT

DETAIL 2 / ME-002 ME-001
N.T.S.

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REV	DATE	BY	SUB	APP	DESCRIPTION
1	05 04 96	CS		PM	Add Plastic Drum Faucet to Detail 2

DESIGNED / DRAWN / CHECKED / APPROVED — DATE 19 APR 96

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 22847 PATRICK K. MINOR

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 22847 DANIEL W. CHAMBERLAIN

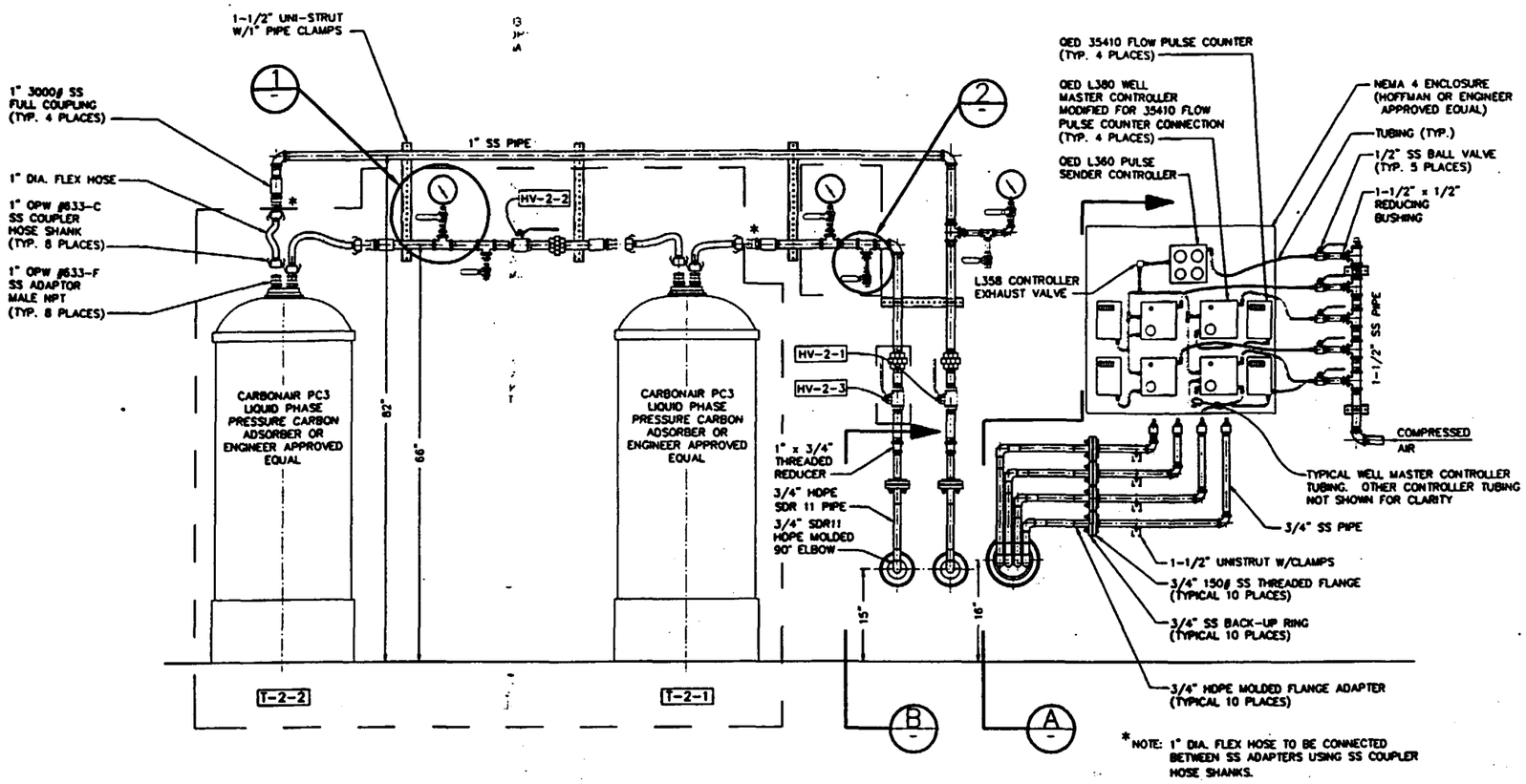
FIRESTONE TIRE AND RUBBER COMPANY SITE

SUBMITTED

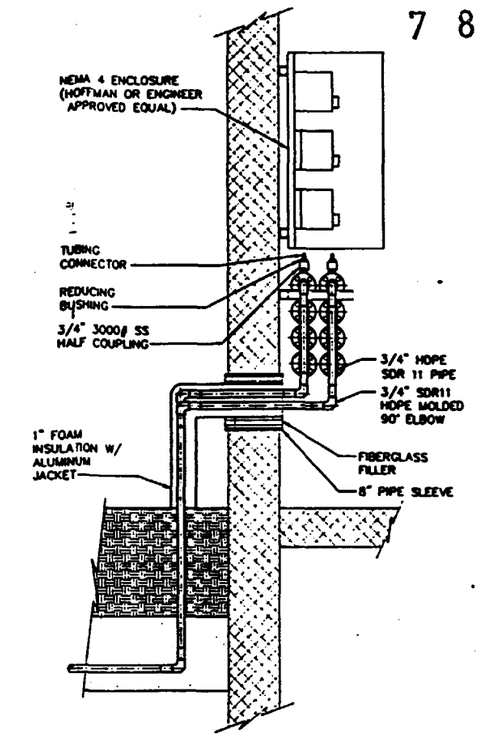
LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.
APPROVED

RECOVERY WELL DETAILS
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

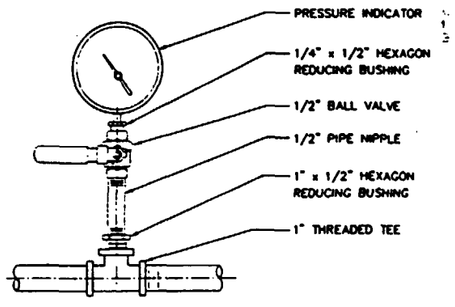
SCALE: AS SHOWN
CONTRACT: 41-4537
DWG. NO.: ME-002 REV: 0 PAGE:



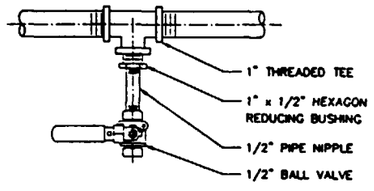
TREATMENT SYSTEM ELEVATION
SCALE: 1"=1'-0"



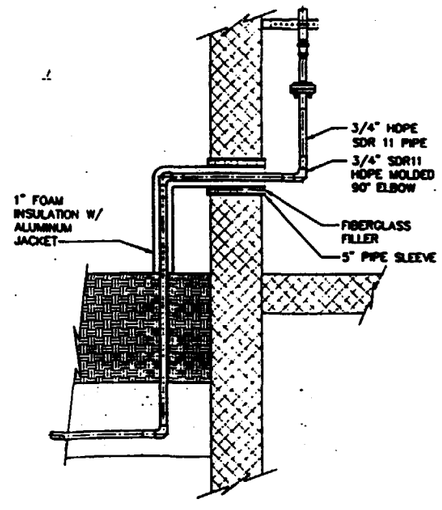
SECTION A
SCALE: 1"=1'-0"



DETAIL 1
SCALE: 3"=1'-0"



DETAIL 2
SCALE: 3"=1'-0"



SECTION B
SCALE: 1"=1'-0"

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DESIGNED
DRAWN
CHECKED
NO CHANGE

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 20847 DANIEL W. CHAMBERLIN

FIRESTONE TIRE AND RUBBER COMPANY SITE

LAW ENGINEERING AND ENVIRONMENTAL SERVICES, INC.

MECHANICAL DETAILS
GROUND-WATER COLLECTION SYSTEM
ALBANY, GEORGIA

SCALE: AS SHOWN
CONTRACT: 41-4537
DWG. NO.: MF-003 REV.: 0 PAGE: 10

Appendices 7 8

Soil Remediation Report

Firestone Tire and Rubber Company Site

APPENDIX A
BACKFILL AND CLP ANALYTICAL RESULTS

BORROW PIT SOIL SAMPLE ANALYTICAL DATA

LAW ENVIRONMENTAL NATIONAL LABORATORIES
TEST DATA REPORT

Date 10/14/94
Page 1

--- Project Information ---

Lab Number : 94-9213-01
Project No. : 41-4537 T62 Cust. No. :
Project Name : BRIDGESTONE/B.P.

Manager: ERIC KELLER

--- Sample Information ---

Station ID : B.P.-1
Matrix : SO
Type : GRAB
Collector : CSH

Sampled Date/Time : 10/12/94 02:30
Received Date/Time : 10/13/94 09:15
Received From/By : CSH/LD
Chain of Custody : 25080
Number of Containers : 1

Parameter	Method	Units	DL	Results	Test Date	Anal
-- ORGANIC PREP RESULTS --						
Ext/PCB/SO/Son	3550/8080			N/A	10/13/94	TT
-- GC ORGANIC ANALYSIS (SO) RESULTS --						
PCB-1016	EPA 8080	ug/kg	80	ND	10/14/94	BT
PCB-1221	EPA 8080	ug/kg	160	ND	10/14/94	BT
PCB-1232	EPA 8080	ug/kg	80	ND	10/14/94	BT
PCB-1242	EPA 8080	ug/kg	80	ND	10/14/94	BT
PCB-1248	EPA 8080	ug/kg	80	ND	10/14/94	BT
PCB-1254	EPA 8080	ug/kg	80	ND	10/14/94	BT
PCB-1260	EPA 8080	ug/kg	80	ND	10/14/94	BT

Remarks: Sample results are reported on an as received basis.
DL = Detection Limit ND = Not Detected at the DL
Unless otherwise noted, all soil test results are calculated based on dry weight.

Signed Paul Bradford

VERIFICATION SOIL SAMPLES CLP ANALYTICAL DATA

LAW
ENGINEERING AND ENVIRONMENTAL SERVICES

Confidential

Firestone Project

SDG: 63450
Case: 63450

TABLE OF CONTENTS/CHECKLIST

LENL-PENSACOLA
7215 Pine Forest Rd.
Pensacola, FL 32526

Report Date: 11/04/94
SDG No.: 63450
Case No.: 63450
Contract No.: 41-4537

✓ 1.) Table of Contents/Checklist
✓ 2.) Cover Page/Narrative Points
✓ 3.) Key of Data Flags
✓ 4.) Pesticides/PCBs Data

a. QC summary
✓ - Surrogate Percent Recovery Summary (Form II PEST--2E, 2F)
✓ - MS/MSD Summary (Form III PEST--3E, 3F)
✓ - Method Blank Summary (Form IV PEST--4C)

b. Sample Data
✓ - TCL Results (Form I PEST--1D)
Primary Column
✓ - GC Integration report or data system printout
✓ - Chromotograms
Confirmation Column
✓ - GC Integration report or data system printout
✓ - Chromotograms
NA - Manual work sheets
NA - For pesticides/PCBs confirmed by GC/MS, raw spectra and background-subtracted mass spectra of target compounds (samples & standards)

c. Standards Data (All Instruments)
✓ - Initial Calibration of Single Component Analytes (Form VI PEST-1 (6D) and PEST-2 (6E))
✓ - Initial Calibration of Multicomponent Analytes (Form VI PEST-3 (6F))
NA - Analyte Resolution Summary (Form VI PEST-1 (6G))
✓ - Calibration Verification Summary (Form VII PEST-1 (7D), PEMs and IBLKs)
✓ - Calibration Verification Summary (Form VII PEST-2 (7E), mid-point concentrations of Individual Standard Mixtures A and B)
✓ - Analytical Sequence (Form VIII PEST (8D))
NA - Florisil Cartridge Check (Form IX PEST-1 (9A))
NA - Pesticide GPC Calibration (Form IX PEST-2 (9B))

TABLE OF CONTENTS/CHECKLIST - continued

NA - Pesticide Identification Summary for Single Component Analytes (Form X PEST-1 (10A))
NA - Pesticide Identification Summary for Multicomponent Analytes (Form X PEST-2 (10B))
- Standard chromatograms and data system printout for all standards: (in chronological order)
  - ✓ Resolution Check Mixture
  - ✓ Performance Evaluation Mixtures, all
  - ✓ Individual Standard Mixture A, at three concentrations, each initial calibration
  - ✓ Individual Standard Mixture B, at three concentrations, each initial calibration
  - ✓ All multicomponent analytes (Toxaphene and Aroclors), each initial calibration
  - ✓ All mid point concentrations of Individual Standard Mixtures A and B used for calibration verification
  - NA Florisil cartridge check solution
  - NA Pesticide GPC Calibration Check Solution
  - ✓ All multicomponent analyte standards analyzed for confirmation
  - NA Pesticide GPC Calibration Data

d. Raw QC Data
- ✓ Blank Data (Method, Instrument, Sulfur clean up)
  - TCL Results (Form I PEST (1D))
  - Primary Column
    - ✓ GC Integration report or data system printout
    - ✓ Chromotograms
  - Confirmation Column
    - ✓ GC Integration report or data system printout
    - ✓ Chromotograms

- Matrix Spike Data
  - NA TCL Results (Form I PEST (1D)) of non-spiked TCL compounds
  - Primary Column
    - ✓ GC Integration report or data system printout
    - ✓ Chromotograms
  - Confirmation Column
    - ✓ GC Integration report or data system printout
    - ✓ Chromotograms

- Matrix Spike Duplicate Data
  - NA TCL Results (Form I PEST (1D)) of non-spiked TCL compounds

TABLE OF CONTENTS/CHECKLIST - continued

Primary Column
✓ - GC Integration report or data system printout
✓ - Chromotograms
Confirmation Column
✓ - GC Integration report or data system printout
✓ - Chromotograms

5.) Miscellaneous Data

✓ - Original prep and analysis forms or copies of prep and analysis logbook pages
✓ - Internal sample and sample extract transfer chain-of-custody records
NA - Screening records

6.) EPA or Client Shipping/Receiving Documents

✓ - Airbills
✓ - Chain-of-Custody Records
✓ - Sample Log-In Sheet (Cooler Receipt Form)
✓ - SDG Cover Sheet
✓ - Miscellaneous Shipping/Receiving Records

IO - See Inorganics Data Package

CASE NARRATIVE

LENL-Pensacola
7215 Pine Forest Road
Pensacola, FL 32526

Report Date: 11/04/94
SDG No.: 63450
Case No.: 63450
Contract No.: 41-4537

Sample numbers correlated with lab ID numbers:

	SAMPLE ID	LABORATORY ID	SAMPLES RECEIVED
1.	FLE011	AA63450	10/20/94
2.	FLW012	AA63451	10/20/94
3.	WLS014	AA63452	10/20/94
4.	WLE015	AA63453	10/20/94
5.	WLW016	AA63454	10/20/94
6.	WLN027	AA63455	10/20/94

COMMENTS:

Concentrations printed on the PE Nelson External Standard Reports in the raw data will not necessarily match the calculation reported on the Form 1. The PE Nelson Data System does not perform final result calculations according to SOW 3/90. Please disregard any inconsistencies.

All samples listed above were analyzed for PCB compounds only.

KEY OF FLAGS

ORGANICS

U - Indicates compound was analyzed for but not detected.

J - Indicates an estimated value. The reported result is less than the EPA Contract Required Quantitation Limit (CRQL).

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds.

P - This flag us used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide/PCB results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Lab defined, see comments section (if applicable).

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

GC Column(1): DB608 ID: .53 (mm) GC Column(2): DB5 ID: .53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
1	PIBLK18	102	99	73	73			0
2	PBLK20	84	80	103	100			0
3	PIBLK30	102	98	74	72			0
4	FLE011	80	75	108	122			0
5	FLE01MS	83	0 *	111	163 *			2
6	FLE01MSD	88	0 *	115	114			1
7	FLW012	92	86	116	165 *			1
8	WLS014	91	88	113	135			0
9	WLE015	83	78	109	120			0
10	WLW016	91	86	112	129			0
11	WLN027	97	89	115	136			0
12	PIBLK43	103	99	75	72			0
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	ADVISORY QC LIMITS
TCX = TCMX	(60-150)
DCB = Decachlorobiphenyl	(60-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

3F
SOIL PESTICIDE LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

COMPOUND	SPIKE ADDED (UG/KG)	LCS CONCENTRATION (UG/KG)	LCS % REC #	QC LIMITS REC.
Aroclor-1016	400.	310.	76	20-154
Aroclor-1260	400.	360.	90	20-154

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:56:41 Version 5.1.5 **********

Sample Name: PPSL5626 Data File: F:ANOVW21

Date: 11-03-1994 13:02:25 Method: E:J1060N1 11-03-1994 12:17:27 # 163

Interface: 1 Cycle#: 21 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 10.00

Sample Weight: 0.03000

1016 = 310 1260 = 360

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.228		0.0000	0.0000%	6858	872	7.9	1			0.0000E+00
3	8.656	TCMX	11.7641	0.3355%	275195	45595	6.0	1	65	0	4.2748E-05
5	10.050		0.0000	0.0000%	8109	1105	7.3	2			0.0000E+00
6	10.532		0.0000	0.0000%	5523	777	7.1	2			0.0000E+00
7	10.713		0.0000	0.0000%	34888	4371	8.0	2			0.0000E+00
8	11.142		0.0000	0.0000%	34300	3758	9.1	2			0.0000E+00
0	11.986		0.0000	0.0000%	42290	5733	7.4	2			0.0000E+00
	12.341	Aroclor-1016	289.3081	8.2516%	206670	27611	7.5	3	77	0	1.3999E-03
	12.676		0.0000	0.0000%	9067	1121	8.1	4			0.0000E+00
5	14.305		0.0000	0.0000%	35620	4212	8.5	2			0.0000E+00
6	14.767	Aroclor-1016	308.3560	8.7949%	549582	64542	8.5	2	77	0	5.6107E-04
17	15.403		0.0000	0.0000%	41289	3985	10.4	2			0.0000E+00
18	16.000		0.0000	0.0000%	126239	15677	8.1	2			0.0000E+00
9	16.234		0.0000	0.0000%	68485	9092	7.5	2			0.0000E+00
0	16.448		0.0000	0.0000%	214916	25554	8.4	2			0.0000E+00
21	16.897	Aroclor-1016	320.3212	9.1362%	848958	87438	9.7	3	65	0	3.7731E-04
22	17.420		0.0000	0.0000%	10760	756	14.2	4			0.0000E+00
3	17.856	Aroclor-1016	323.9569	9.2399%	327131	36642	8.9	2	65	0	9.9030E-04
4	18.258		0.0000	0.0000%	58093	6708	8.7	2			0.0000E+00
25	18.626		0.0000	0.0000%	166878	19061	8.8	2			0.0000E+00
6	18.867	Aroclor-1016	311.1341	8.8742%	252439	30451	8.3	2	58	0	1.2325E-03
7	19.129		0.0000	0.0000%	222392	26878	8.3	2			0.0000E+00
28	19.263		0.0000	0.0000%	196035	23051	8.5	2			0.0000E+00
29	19.484		0.0000	0.0000%	98608	11909	8.3	2			0.0000E+00
0	20.053		0.0000	0.0000%	34967	3640	9.6	2			0.0000E+00
1	20.743		0.0000	0.0000%	333629	33687	9.9	2			0.0000E+00
32	20.964		0.0000	0.0000%	103915	12772	8.1	2			0.0000E+00
3	21.326		0.0000	0.0000%	71655	10632	6.7	2			0.0000E+00
4	21.453		0.0000	0.0000%	148975	17163	8.7	2			0.0000E+00
5	21.735		0.0000	0.0000%	60023	7165	8.4	2			0.0000E+00
36	21.963		0.0000	0.0000%	27475	3190	8.6	2			0.0000E+00
	22.304		0.0000	0.0000%	44521	5346	8.3	2			0.0000E+00
	22.612		0.0000	0.0000%	83201	8949	9.3	2			0.0000E+00
9	23.108		0.0000	0.0000%	251687	30630	8.2	2			0.0000E+00
	23.490		0.0000	0.0000%	265724	33365	8.0	3			0.0000E+00
	23.859		0.0000	0.0000%	7282	793	9.2	4			0.0000E+00
2	24.147		0.0000	0.0000%	11093	1464	7.6	2			0.0000E+00
44	24.830		0.0000	0.0000%	16039	2041	7.9	1			0.0000E+00
5	25.252		0.0000	0.0000%	10603	1306	8.1	2			0.0000E+00

	25.567		0.0000	0.0000%	40492	5739	7.1	2			0.0000E+00
	26.076	Aroclor-1260	371.2819	10.5897%	403800	54934	7.4	2	77	0	9.1947E-04
48	26.465		0.0000	0.0000%	285754	28361	10.1	2			0.0000E+00
49	26.659		0.0000	0.0000%	50372	7387	6.8	2			0.0000E+00
50	26.927	Aroclor-1260	341.5252	9.7410%	768125	90760	8.5	2	58	0	4.4462E-04
51	27.356	Aroclor-1260	346.9796	9.8966%	803869	111431	7.2	2	58	0	4.3164E-04
52	27.678		0.0000	0.0000%	32681	4840	6.8	2			0.0000E+00
54	28.227		0.0000	0.0000%	263178	39301	6.7	2			0.0000E+00
55	28.535		0.0000	0.0000%	18365	2295	8.0	2			0.0000E+00
56	28.777	Aroclor-1260	337.7280	9.6327%	490042	58572	8.4	2	77	0	6.8918E-04
57	28.991		0.0000	0.0000%	308602	42960	7.2	2			0.0000E+00
58	29.219	Aroclor-1260	397.0345	11.3242%	711205	94391	7.5	2	77	0	5.5826E-04
59	29.379		0.0000	0.0000%	490159	71215	6.9	2			0.0000E+00
60	29.648		0.0000	0.0000%	274848	37790	7.3	2			0.0000E+00
61	30.184		0.0000	0.0000%	76663	11062	6.9	2			0.0000E+00
62	30.525		0.0000	0.0000%	101946	9549	10.7	2			0.0000E+00
63	30.854		0.0000	0.0000%	524901	70482	7.4	2			0.0000E+00
64	31.182		0.0000	0.0000%	425668	44942	9.5	2			0.0000E+00
65	31.497	DBC	132.9134	3.7910%	2658274	251186	10.6	2	77	0	5.0000E-05
67	32.495		0.0000	0.0000%	41981	4412	9.5	2			0.0000E+00
68	32.957		0.0000	0.0000%	309470	37411	8.3	2			0.0000E+00
69	33.145		0.0000	0.0000%	123370	19321	6.4	2			0.0000E+00
70	33.306		0.0000	0.0000%	569158	76388	7.5	2			0.0000E+00
71	33.755		0.0000	0.0000%	15211	1893	8.0	2			0.0000E+00
72	34.552		0.0000	0.0000%	23086	2409	9.6	1			0.0000E+00
73	35.175		0.0000	0.0000%	8343	980	8.5	2			0.0000E+00
74	35.497		0.0000	0.0000%	91853	10573	8.7	2			0.0000E+00
	35.724		0.0000	0.0000%	248016	26756	9.3	2			0.0000E+00
	37.962		0.0000	0.0000%	78365	7013	11.2	1			0.0000E+00
77	40.314	Decachlorobiphenyl	13.7615	0.3925%	466246	34422	13.5	1	77	0	2.9515E-05

TOTAL AMOUNT = 3506.0640

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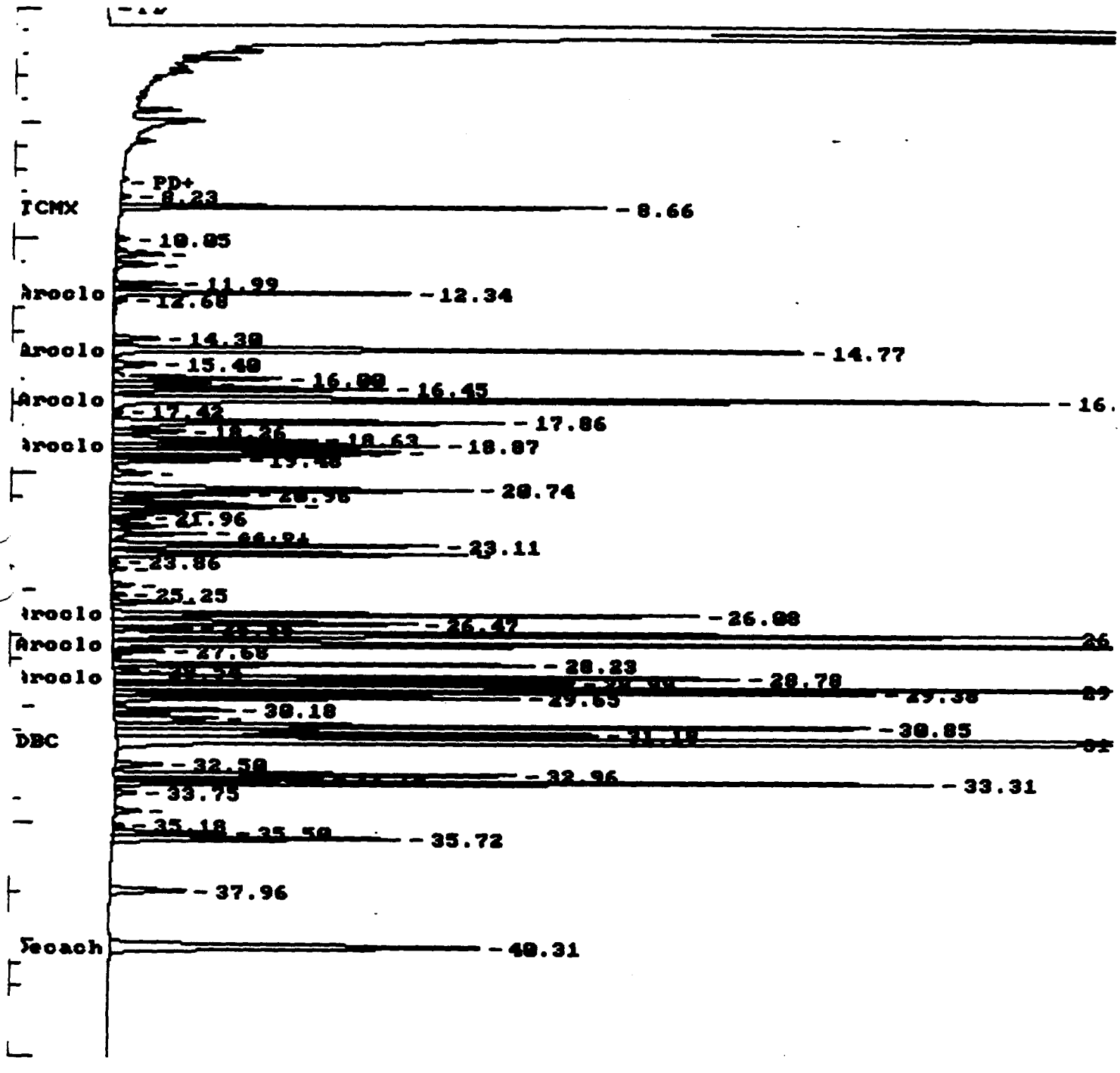

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:57:05 Version 5.1.5 **********

Sample Name: PPSL5626 Data File: F:BNOVW21

Date: 11-03-1994 13:02:25 Method: E:K1060N1 11-03-1994 12:17:49 # 164

Interface: 1 Cycle#: 21 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1: -

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 10.00

Sample Weight: 0.03000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.221		0.0000	0.0000%	12946	1866	6.9	1			0.0000E+00
3	9.099		0.0000	0.0000%	7255	1021	7.1	1			0.0000E+00
5	10.083	TCMX	12.7296	0.3781%	279492	41836	6.7	2	69	0	4.5545E-05
6	10.854		0.0000	0.0000%	5830	693	8.4	2			0.0000E+00
7	11.189		0.0000	0.0000%	29812	3964	7.5	2			0.0000E+00
8	11.718		0.0000	0.0000%	46466	5541	8.4	2			0.0000E+00
[illegible]	12.027	Aroclor-1016	286.4624	8.5082%	190616	26403	7.2	2	81	0	1.5028E-03
	13.085		0.0000	0.0000%	26904	3725	7.2	1			0.0000E+00
11	14.284	Aroclor-1016	311.5264	9.2526%	499780	42195	11.8	2	81	0	6.2333E-04
12	14.854		0.0000	0.0000%	35762	4485	8.0	2			0.0000E+00
14	15.309	Aroclor-1016	313.5308	9.3121%	260158	34587	7.5	2	69	0	1.2052E-03
16	16.053		0.0000	0.0000%	5716	789	7.2	2			0.0000E+00
17	16.301		0.0000	0.0000%	64202	8135	7.9	2			0.0000E+00
18	16.442		0.0000	0.0000%	33638	4902	6.9	2			0.0000E+00
19	16.810	Aroclor-1016	325.8916	9.6793%	782417	75648	10.3	2	69	0	4.1652E-04
20	17.380	Aroclor-1016	323.5906	9.6109%	338893	40418	8.4	2	57	0	9.5484E-04
21	17.795		0.0000	0.0000%	183072	21100	8.7	2			0.0000E+00
22	18.090		0.0000	0.0000%	68173	8132	8.4	2			0.0000E+00
23	18.532		0.0000	0.0000%	25926	3251	8.0	2			0.0000E+00
24	18.787		0.0000	0.0000%	234464	28676	8.2	2			0.0000E+00
25	19.035		0.0000	0.0000%	223175	24793	9.0	2			0.0000E+00
26	19.216		0.0000	0.0000%	188063	19418	9.7	2			0.0000E+00
28	19.953		0.0000	0.0000%	253948	30355	8.4	2			0.0000E+00
29	20.140		0.0000	0.0000%	140168	16486	8.5	2			0.0000E+00
30	20.636		0.0000	0.0000%	225359	23932	9.4	2			0.0000E+00
31	21.105		0.0000	0.0000%	47120	5280	8.9	2			0.0000E+00
32	21.400		0.0000	0.0000%	31332	3683	8.5	2			0.0000E+00
34	21.983		0.0000	0.0000%	23794	2817	8.4	2			0.0000E+00
35	22.197		0.0000	0.0000%	38778	4749	8.2	2			0.0000E+00
36	22.438		0.0000	0.0000%	227585	26294	8.7	2			0.0000E+00
[illegible]	22.793		0.0000	0.0000%	6928	753	9.2	2			0.0000E+00
[illegible]	23.383		0.0000	0.0000%	39647	4021	9.9	2			0.0000E+00
39	23.685		0.0000	0.0000%	247484	29866	8.3	2			0.0000E+00
	23.966		0.0000	0.0000%	5288	629	8.4	2			0.0000E+00
	24.763		0.0000	0.0000%	7953	1103	7.2	2			0.0000E+00
[illegible]	25.011		0.0000	0.0000%	35690	4969	7.2	2			0.0000E+00
45	25.353		0.0000	0.0000%	104880	14678	7.1	2			0.0000E+00
46	25.480		0.0000	0.0000%	113628	15811	7.2	2			0.0000E+00
[illegible]	26.076	Aroclor-1260	320.8390	9.5292%	257413	35246	7.3	2	81	0	1.2464E-03

	26.277		0.0000	0.0000%	156471	21023	7.4	2			0.0000E+00
	26.619	Aroclor-1260	358.4288	10.6456%	660674	84959	7.8	2	57	0	5.4252E-04
50	27.095		0.0000	0.0000%	44919	4877	9.2	2			0.0000E+00
51	27.437		0.0000	0.0000%	99741	14320	7.0	2			0.0000E+00
52	27.705	Aroclor-1260	361.7021	10.7429%	960450	103696	9.3	2	57	0	3.7660E-04
53	28.241		0.0000	0.0000%	406828	41469	9.8	2			0.0000E+00
54	28.616		0.0000	0.0000%	86046	11200	7.7	2			0.0000E+00
55	28.857	Aroclor-1260	389.0529	11.5552%	836742	109549	7.6	2	81	0	4.6496E-04
56	29.219		0.0000	0.0000%	94368	12965	7.3	2			0.0000E+00
57	29.560	Aroclor-1260	284.8748	8.4610%	470070	64502	7.3	2	81	0	6.0603E-04
58	29.761		0.0000	0.0000%	226587	33092	6.8	2			0.0000E+00
59	29.969		0.0000	0.0000%	75638	10008	7.6	2			0.0000E+00
60	30.184		0.0000	0.0000%	62515	9015	6.9	2			0.0000E+00
61	30.485		0.0000	0.0000%	444130	64863	6.8	2			0.0000E+00
62	30.699		0.0000	0.0000%	251227	36586	6.9	2			0.0000E+00
63	30.874		0.0000	0.0000%	189141	26186	7.2	2			0.0000E+00
64	31.135		0.0000	0.0000%	39760	5435	7.3	2			0.0000E+00
65	31.309		0.0000	0.0000%	75941	11096	6.8	2			0.0000E+00
66	31.557		0.0000	0.0000%	1033923	145085	7.1	3			0.0000E+00
67	31.812		0.0000	0.0000%	15772	2658	5.9	4			0.0000E+00
68	32.019		0.0000	0.0000%	123173	15746	7.8	2			0.0000E+00
69	32.314	DBC	64.8150	1.9251%	1393557	201364	6.9	2	81	.0337	4.6510E-05
70	32.689		0.0000	0.0000%	516748	68361	7.6	2			0.0000E+00
71	33.051		0.0000	0.0000%	222156	28323	7.8	2			0.0000E+00
72	33.286		0.0000	0.0000%	244052	31276	7.8	2			0.0000E+00
73	33.915		0.0000	0.0000%	13468	1703	7.9	1			0.0000E+00
74	34.652		0.0000	0.0000%	113367	12359	9.2	2			0.0000E+00
	35.008		0.0000	0.0000%	8753	924	9.5	2			0.0000E+00
	35.684		0.0000	0.0000%	233333	24672	9.5	2			0.0000E+00
78	35.992		0.0000	0.0000%	12922	1351	9.6	2			0.0000E+00
0	37.942		0.0000	0.0000%	79128	6800	11.6	1			0.0000E+00
1	40.120	Decachlorobiphenyl	13.4631	0.3999%	465428	33643	13.8	1	81	0	2.8926E-05

TOTAL AMOUNT = 3366.9070

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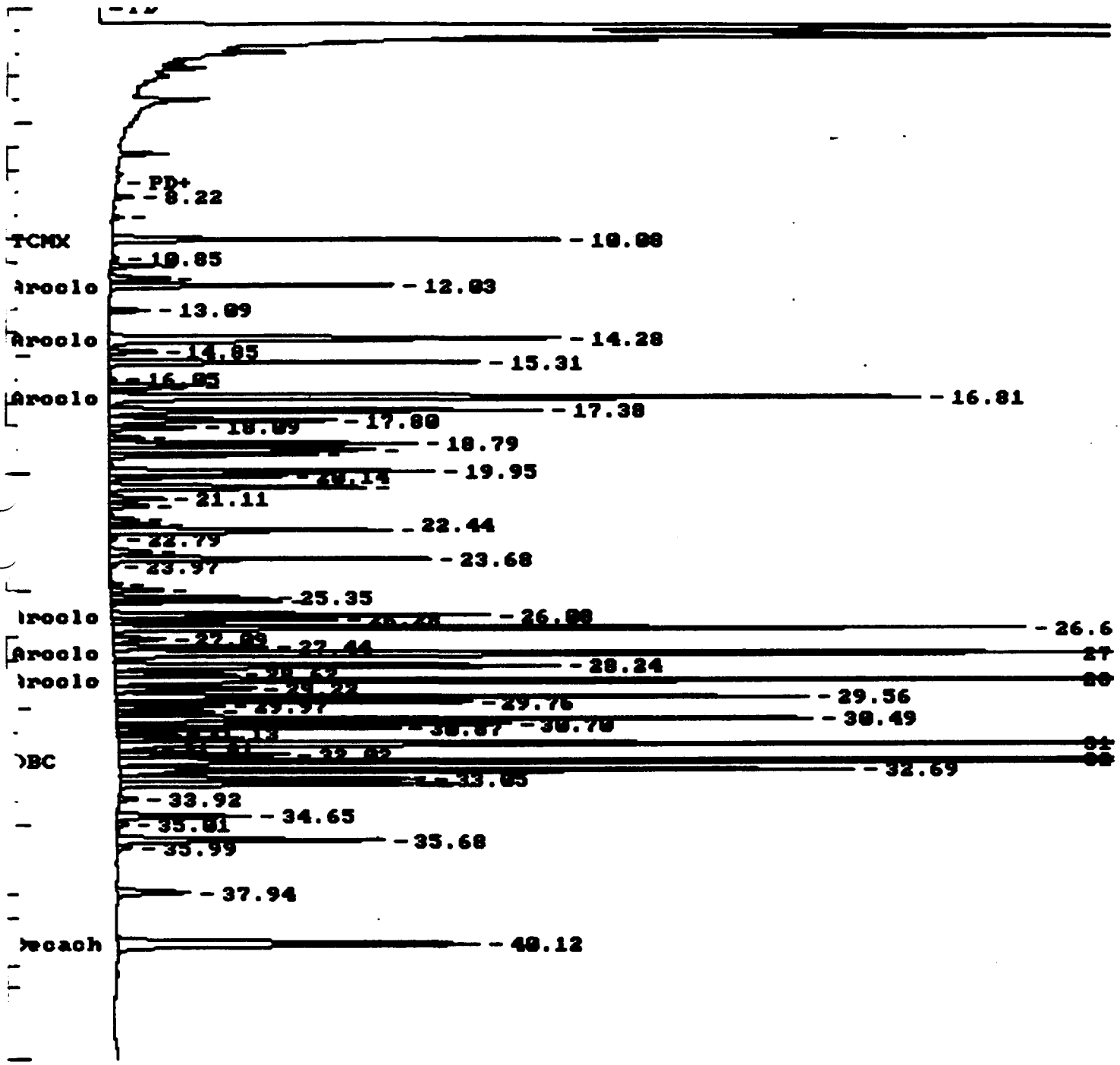


3F

SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix Spike - EPA Sample No.: FLE011 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (UG/KG)	SAMPLE CONCENTRATION (UG/KG)	MS CONCENTRATION (UG/KG)	MS % REC #	QC LIMITS REC.
Aroclor-1016	1564.46	0.	400.	26	20-154
Aroclor-1260	1564.46	0.	1200.	77	20-154

COMPOUND	SPIKE ADDED (UG/KG)	MSD CONCENTRATION (UG/KG)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	1559.27	190.	12 *	74 *	40	20-154
Aroclor-1260	1559.27	3200.	205 *	91 *	40	20-154

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 2 out of 2 outside limits
Spike Recovery: 2 out of 4 outside limits

COMMENTS: The presence of Aroclor-1254 in the spiked sample caused co-elution with some of the peaks in the Aroclor-1016/1260 spike mix.

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:31:26 Version 5.1.5 **********

Sample Name: AA63450 MS 1:5 FLE011 Data File: F:ANOVW36

Date: 11-04-1994 02:35:55 Method: E:J1060N1 11-03-1994 12:17:27 # 163

Interface: 1 Cycle#: 36 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

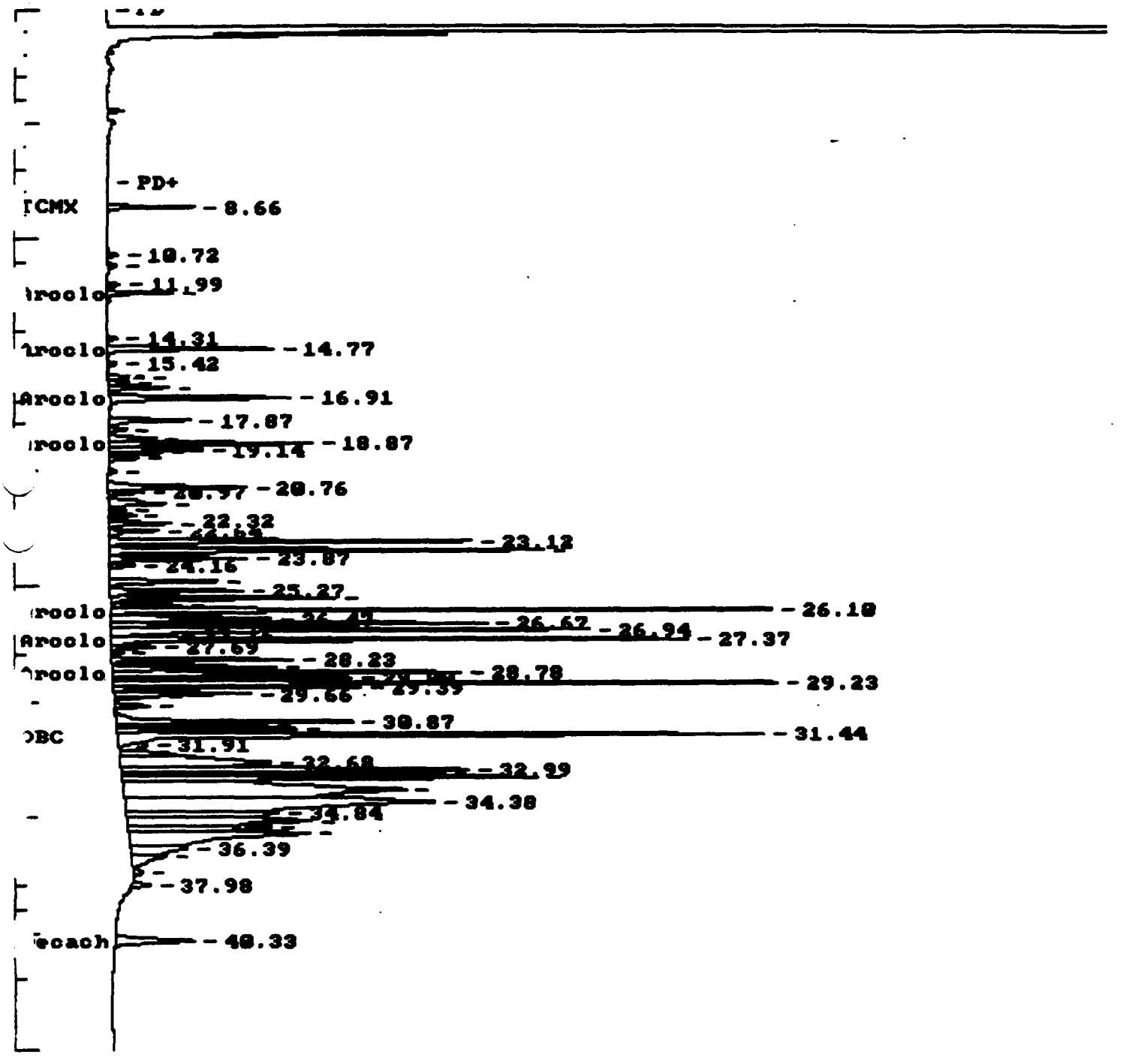
Sample Weight: 0.02557

*	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
	8.663	TCMX	12.9278	0.1296%	51552	8163	6.3	1	60	.3163	2.5077E-04
	10.720		0.0000	0.0000%	7145	984	7.3	2			0.0000E+00
	11.162		0.0000	0.0000%	8506	823	10.3	1			0.0000E+00
	11.993		0.0000	0.0000%	8807	1236	7.1	2			0.0000E+00
	12.355	Aroclor-1016	382.7898	3.8365%	46614	6213	7.5	3	77	0	8.2119E-03
	14.311		0.0000	0.0000%	7927	969	8.2	1			0.0000E+00
	14.774	Aroclor-1016	425.9585	4.2692%	129416	15598	8.3	2	77	0	3.2914E-03
	15.417		0.0000	0.0000%	8093	858	9.4	2			0.0000E+00
13	16.006		0.0000	0.0000%	26770	3448	7.8	2			0.0000E+00
4	16.241		0.0000	0.0000%	15730	2044	7.7	2			0.0000E+00
15	16.462		0.0000	0.0000%	46464	5693	8.2	2			0.0000E+00
16	16.911	Aroclor-1016	370.7518	3.7159%	167503	17049	9.8	1	60	.2744	2.2134E-03
7	17.869	Aroclor-1016	397.5077	3.9840%	68426	7709	8.9	2	60	.3065	5.8093E-03
8	18.271		0.0000	0.0000%	13916	1680	8.3	2			0.0000E+00
19	18.646		0.0000	0.0000%	38368	4448	8.6	2			0.0000E+00
20	18.874	Aroclor-1016	1150.1843	11.5277%	159080	19111	8.3	2	52	0	7.2302E-03
1	19.135		0.0000	0.0000%	78484	8796	8.9	2			0.0000E+00
2	19.263		0.0000	0.0000%	34410	4992	6.9	2			0.0000E+00
23	19.497		0.0000	0.0000%	23069	2835	8.1	2			0.0000E+00
4	20.060		0.0000	0.0000%	6236	784	8.0	1			0.0000E+00
5	20.757		0.0000	0.0000%	117879	12973	9.1	2			0.0000E+00
26	20.971		0.0000	0.0000%	26625	3309	8.0	2			0.0000E+00
27	21.467		0.0000	0.0000%	65368	5488	11.9	2			0.0000E+00
8	21.748		0.0000	0.0000%	13642	1675	8.1	2			0.0000E+00
9	21.983		0.0000	0.0000%	21553	2567	8.4	2			0.0000E+00
30	22.318		0.0000	0.0000%	48881	5900	8.3	2			0.0000E+00
31	22.639		0.0000	0.0000%	47462	4712	10.1	2			0.0000E+00
	23.122		0.0000	0.0000%	277017	34102	8.1	2			0.0000E+00
33	23.504		0.0000	0.0000%	339446	40864	8.3	2			0.0000E+00
34	23.872		0.0000	0.0000%	98704	12912	7.6	2			0.0000E+00
	24.160		0.0000	0.0000%	19804	2474	8.0	2			0.0000E+00
	24.844		0.0000	0.0000%	87455	10177	8.6	2			0.0000E+00
37	25.266		0.0000	0.0000%	100065	12442	8.0	2			0.0000E+00
	[illegible].581		0.0000	0.0000%	151209	21136	7.2	2			0.0000E+00
	[illegible].889		0.0000	0.0000%	45463	6623	6.9	2			0.0000E+00
	26.097	Aroclor-1260	2444.2205	24.4972%	453151	62299	7.3	2	77	0	5.3938E-03
41	26.472		0.0000	0.0000%	150829	15017	10.0	2			0.0000E+00
	26.673		0.0000	0.0000%	253713	35343	7.2	2			0.0000E+00

[illegible]	[illegible].941	Aroclor-1260	1034.0371	10.3637%	396447	44976	8.8	3	52	0	2.6083E-03
[illegible]	[illegible].162		0.0000	0.0000%	23117	4000	5.8	4			0.0000E+00
[illegible]	[illegible].370	Aroclor-1260	988.7354	9.9096%	390482	54346	7.2	2	52	0	2.5321E-03
46	27.691		0.0000	0.0000%	32161	4122	7.8	2			0.0000E+00
47	27.926		0.0000	0.0000%	7313	1070	6.8	2			0.0000E+00
48	28.234		0.0000	0.0000%	112427	16980	6.6	2			0.0000E+00
49	28.562		0.0000	0.0000%	101497	15321	6.6	2			0.0000E+00
50	28.777	Aroclor-1260	1049.1681	10.5153%	259508	32723	7.9	2	77	0	4.0429E-03
51	28.998		0.0000	0.0000%	170149	22343	7.6	2			0.0000E+00
[illegible]2	29.232	Aroclor-1260	1530.1010	15.3355%	467225	62473	7.5	2	77	0	3.2749E-03
[illegible]3	29.393		0.0000	0.0000%	148102	23159	6.4	2			0.0000E+00
54	29.661		0.0000	0.0000%	97326	12782	7.6	2			0.0000E+00
55	29.795		0.0000	0.0000%	24705	4216	5.9	2			0.0000E+00
56	30.197		0.0000	0.0000%	24347	3292	7.4	2			0.0000E+00
[illegible]7	30.867		0.0000	0.0000%	167229	22129	7.6	2			0.0000E+00
58	30.994		0.0000	0.0000%	92534	14154	6.5	2			0.0000E+00
59	31.182		0.0000	0.0000%	156307	16829	9.3	2			0.0000E+00
60	31.436	DBC	173.8166	1.7421%	592600	60795	9.7	3	77	-.2162	2.9331E-04
61	31.912		0.0000	0.0000%	31580	2234	14.1	4			0.0000E+00
62	32.327		0.0000	0.0000%	57972	5157	11.2	2			0.0000E+00
63	32.676		0.0000	0.0000%	268556	14065	19.1	2			0.0000E+00
64	32.991		0.0000	0.0000%	374667	32555	11.5	2			0.0000E+00
65	33.125		0.0000	0.0000%	250936	30226	8.3	2			0.0000E+00
66	33.312		0.0000	0.0000%	398869	39033	10.2	2			0.0000E+00
67	33.855		0.0000	0.0000%	751909	26408	28.5	2			0.0000E+00
[illegible]	34.384		0.0000	0.0000%	806852	28954	27.9	2			0.0000E+00
69	34.840		0.0000	0.0000%	239455	14302	16.7	2			0.0000E+00
[illegible]	35.209		0.0000	0.0000%	264526	17224	15.4	2			0.0000E+00
[illegible]	35.483		0.0000	0.0000%	175026	13465	13.0	2			0.0000E+00
[illegible]	35.751		0.0000	0.0000%	390505	16902	23.1	2			0.0000E+00
73	36.388		0.0000	0.0000%	92308	5304	17.4	2			0.0000E+00
74	36.729		0.0000	0.0000%	67624	3269	20.7	2			0.0000E+00
75	37.460		0.0000	0.0000%	11427	863	13.2	2			0.0000E+00
76	37.976		0.0000	0.0000%	17343	1735	10.0	1			0.0000E+00
77	40.334	Decachlorobiphenyl	17.3376	0.1738%	100134	7414	13.5	1	77	0	1.7314E-04

TOTAL AMOUNT = 9977.5361

reas, times, and heights stored in: F:ANOVW36.ATB
ta File = F:ANOVW36.PTS Printed on 11-04-1994 at 09:31:35
cart time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:31:51 Version 5.1.5 **********

* Sample Name: AA63450 MS 1:5 FLE011 Data File: F:BNOVW36 *
* Date: 11-04-1994 02:35:55 Method: E:K1060N1 11-03-1994 12:17:49 # 164*
* Interface: 1 Cycle#: 36 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 50.00
Sample Weight: 0.02557

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	7.799		0.0000	0.0000%	6930	1014	6.8	2			0.0000E+00
2	8.000		0.0000	0.0000%	11122	1127	9.9	2			0.0000E+00
3	8.221		0.0000	0.0000%	8564	658	13.0	2			0.0000E+00
7	9.661		0.0000	0.0000%	12299	693	17.8	2			0.0000E+00
8	10.104		0.0000	0.0000%	56006	7414	7.6	2			0.0000E+00
11	11.209		0.0000	0.0000%	6748	853	7.9	2			0.0000E+00
	11.745		0.0000	0.0000%	8972	1191	7.5	2			0.0000E+00
	12.053	Aroclor-1016	387.5047	5.5229%	43955	5933	7.4	2	91	.1685	8.8160E-03
15	13.105		0.0000	0.0000%	8167	853	9.6	2			0.0000E+00
17	14.305	Aroclor-1016	406.3178	5.7910%	111119	9805	11.3	2	91	.1354	3.6566E-03
18	14.874		0.0000	0.0000%	8384	1011	8.3	2			0.0000E+00
19	15.336		0.0000	0.0000%	54367	7384	7.4	1			0.0000E+00
21	16.328		0.0000	0.0000%	12840	1691	7.6	2			0.0000E+00
22	16.475		0.0000	0.0000%	11723	1420	8.3	2			0.0000E+00
23	16.837		0.0000	0.0000%	158075	14914	10.6	2			0.0000E+00
24	17.407	Aroclor-1016	402.4024	5.7352%	71840	8584	8.4	2	63	0	5.6014E-03
25	17.822		0.0000	0.0000%	36750	4273	8.6	2			0.0000E+00
26	18.124		0.0000	0.0000%	15091	1814	8.3	2			0.0000E+00
28	18.559		0.0000	0.0000%	5856	719	8.1	2			0.0000E+00
29	18.814		0.0000	0.0000%	138415	17070	8.1	2			0.0000E+00
30	19.062		0.0000	0.0000%	66413	7740	8.6	2			0.0000E+00
31	19.249		0.0000	0.0000%	39783	4391	9.1	2			0.0000E+00
33	19.979		0.0000	0.0000%	94673	11333	8.4	2			0.0000E+00
34	20.167		0.0000	0.0000%	31402	3829	8.2	2			0.0000E+00
35	20.670		0.0000	0.0000%	69973	7076	9.9	2			0.0000E+00
36	21.132		0.0000	0.0000%	12442	1481	8.4	2			0.0000E+00
39	22.016		0.0000	0.0000%	19597	2375	8.3	2			0.0000E+00
40	22.224		0.0000	0.0000%	43185	5309	8.1	2			0.0000E+00
41	22.465		0.0000	0.0000%	228902	26477	8.6	2			0.0000E+00
42	22.814		0.0000	0.0000%	27393	3314	8.3	2			0.0000E+00
	23.410		0.0000	0.0000%	59835	6520	9.2	2			0.0000E+00
4	23.705		0.0000	0.0000%	338342	35901	9.4	2			0.0000E+00
5	23.979		0.0000	0.0000%	86917	11195	7.8	2			0.0000E+00
	24.314		0.0000	0.0000%	5868	693	8.5	2			0.0000E+00
	24.529		0.0000	0.0000%	15928	2103	7.6	2			0.0000E+00
8	24.783		0.0000	0.0000%	74746	10128	7.4	2			0.0000E+00
49	25.031		0.0000	0.0000%	148928	19913	7.5	2			0.0000E+00
0	25.246		0.0000	0.0000%	38352	5721	6.7	2			0.0000E+00

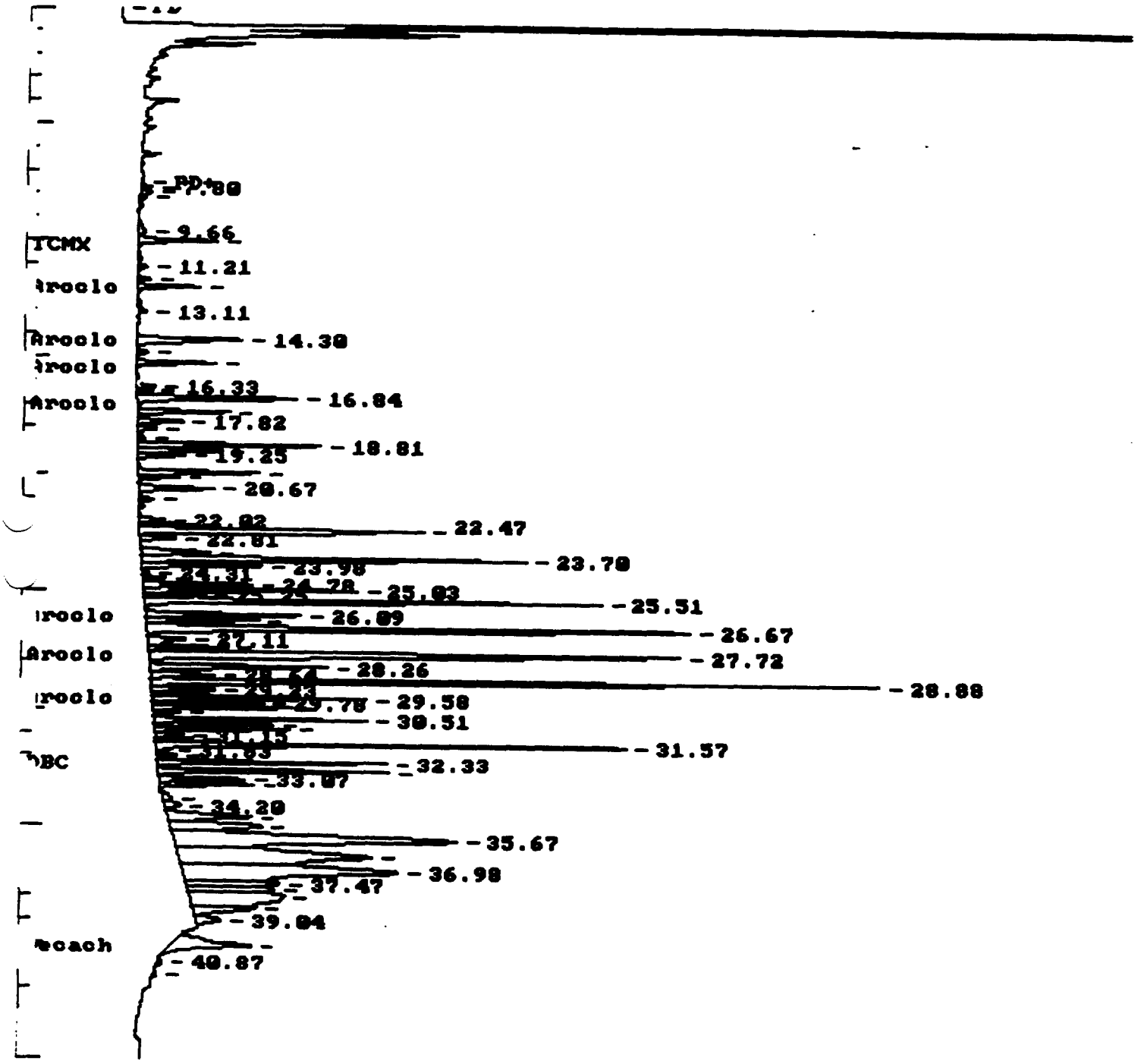
	25.507		0.0000	0.0000%	356000	42651	8.3	2			0.0000E+00
	26.090	Aroclor-1260	894.9310	12.7549%	122397	14444	8.5	2	91	0	7.3117E-03
53	26.304		0.0000	0.0000%	80713	10494	7.7	2			0.0000E+00
54	26.666	Aroclor-1260	1661.3970	23.6789%	522032	50703	10.3	2	63	.1071	3.1826E-03
55	27.115		0.0000	0.0000%	45092	3586	12.6	2			0.0000E+00
56	27.457		0.0000	0.0000%	52663	7442	7.1	2			0.0000E+00
57	27.725	Aroclor-1260	1286.4316	18.3347%	582304	49654	11.7	2	63	0	2.2092E-03
58	28.261		0.0000	0.0000%	149572	16486	9.1	2			0.0000E+00
59	28.636		0.0000	0.0000%	57197	5922	9.7	2			0.0000E+00
50	28.877	Aroclor-1260	1403.5159	20.0035%	514564	68037	7.6	2	91	0	2.7276E-03
61	29.225		0.0000	0.0000%	43407	5859	7.4	2			0.0000E+00
62	29.447		0.0000	0.0000%	27612	5275	5.2	2			0.0000E+00
53	29.581	Aroclor-1260	507.2799	7.2300%	142691	19906	7.2	2	91	0	3.5551E-03
54	29.781		0.0000	0.0000%	68957	10305	6.7	2			0.0000E+00
65	29.989		0.0000	0.0000%	91057	12847	7.1	2			0.0000E+00
66	30.204		0.0000	0.0000%	18173	2578	7.0	2			0.0000E+00
67	30.505		0.0000	0.0000%	132892	19792	6.7	2			0.0000E+00
68	30.720		0.0000	0.0000%	74116	11112	6.7	2			0.0000E+00
69	30.907		0.0000	0.0000%	91865	12590	7.3	2			0.0000E+00
70	31.148		0.0000	0.0000%	19798	2772	7.1	2			0.0000E+00
71	31.323		0.0000	0.0000%	24459	3535	6.9	2			0.0000E+00
72	31.570		0.0000	0.0000%	304290	43831	6.9	3			0.0000E+00
73	31.832		0.0000	0.0000%	6913	1007	6.9	4			0.0000E+00
74	32.039		0.0000	0.0000%	14920	1881	7.9	2			0.0000E+00
75	32.327	DBC	41.0357	0.5849%	150401	21360	7.0	2	91	0	2.7284E-04
6	32.709		0.0000	0.0000%	161077	21557	7.5	2			0.0000E+00
77	33.071		0.0000	0.0000%	61096	8029	7.6	2			0.0000E+00
8	33.306		0.0000	0.0000%	67574	8716	7.8	2			0.0000E+00
	33.922		0.0000	0.0000%	15368	913	16.8	2			0.0000E+00
	34.197		0.0000	0.0000%	22865	1544	14.8	2			0.0000E+00
1	34.673		0.0000	0.0000%	111318	7815	14.2	2			0.0000E+00
2	35.095		0.0000	0.0000%	159468	8560	18.6	2			0.0000E+00
83	35.671		0.0000	0.0000%	615647	26328	23.4	2			0.0000E+00
84	36.368		0.0000	0.0000%	558209	18008	31.0	2			0.0000E+00
5	36.984		0.0000	0.0000%	553769	20066	27.6	2			0.0000E+00
6	37.473		0.0000	0.0000%	141854	8816	16.1	2			0.0000E+00
87	37.741		0.0000	0.0000%	113174	8142	13.9	2			0.0000E+00
8	38.023		0.0000	0.0000%	266381	8847	30.1	2			0.0000E+00
9	38.505		0.0000	0.0000%	104160	5977	17.4	2			0.0000E+00
90	39.041		0.0000	0.0000%	38680	2349	16.5	2			0.0000E+00
91	40.153	Decachlorobiphenyl	25.5480	0.3641%	150557	7442	20.2	1	91	0	1.6969E-04
2	40.870		0.0000	0.0000%	7184	410	17.5	2			0.0000E+00
3	41.393		0.0000	0.0000%	5517	402	13.7	2			0.0000E+00

TOTAL AMOUNT = 7016.3633

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
TCMX	10.21	DBC
roclor-1016	15.50	DBC
Aroclor-1016	17.02	DBC

Areas, times, and heights stored in: F:BNOVW36.ATB
Data File = F:BNOVW36.PTS Printed on 11-04-1994 at 09:32:01
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:32:17 Version 5.1.5 **********

* Sample Name: AA63450 MSD 1: FLE011 Data File: F:ANOVW37 *
* Date: 11-04-1994 03:29:09 Method: E:J1060N1 11-03-1994 12:17:27 # 163*
* Interface: 1 Cycle#: 37 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

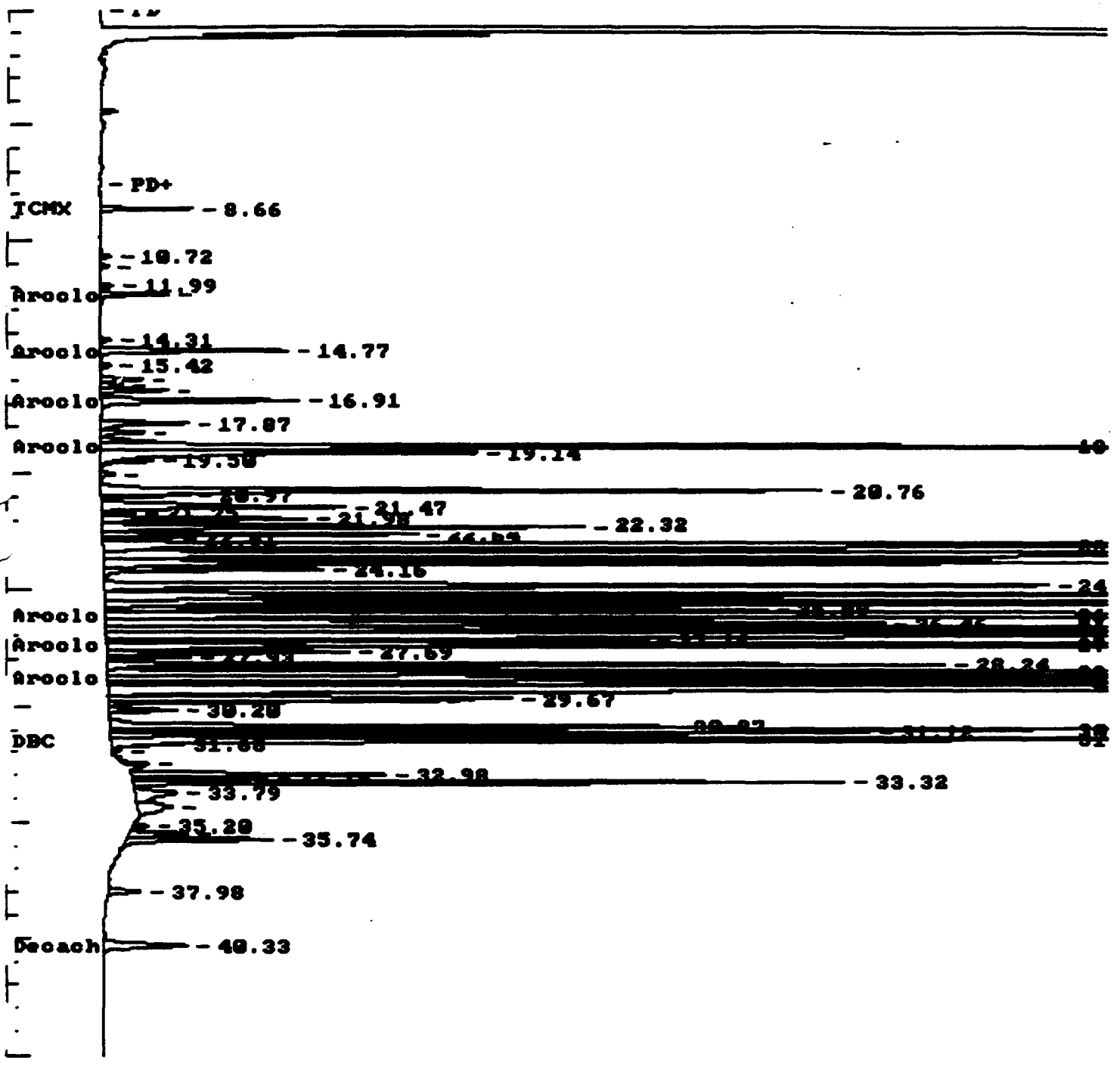
Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 50.00
Sample Weight: 0.02565

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	13.7272	0.0275%	54911	8718	6.3	1	57	.3377	2.4999E-04
3	10.720		0.0000	0.0000%	7468	1031	7.2	2			0.0000E+00
4	11.156		0.0000	0.0000%	5994	767	7.8	1			0.0000E+00
5	11.993		0.0000	0.0000%	9518	1309	7.3	2			0.0000E+00
6	12.355	Aroclor-1016	402.5422	0.8077%	49173	6466	7.6	3	74	0	8.1863E-03
8	14.311		0.0000	0.0000%	8686	1063	8.2	1			0.0000E+00
	14.774	Aroclor-1016	472.0585	0.9472%	143871	17517	8.2	2	74	0	3.2811E-03
..	15.417		0.0000	0.0000%	8780	934	9.4	2			0.0000E+00
11	16.006		0.0000	0.0000%	30336	3890	7.8	2			0.0000E+00
2	16.248		0.0000	0.0000%	15720	2072	7.6	2			0.0000E+00
.3	16.462		0.0000	0.0000%	51167	6243	8.2	2			0.0000E+00
14	16.911	Aroclor-1016	404.3224	0.8113%	183242	18438	9.9	1	57	.2958	2.2065E-03
5	17.869	Aroclor-1016	422.9304	0.8486%	73030	8138	9.0	2	57	.3279	5.7912E-03
6	18.271		0.0000	0.0000%	34020	4009	8.5	2			0.0000E+00
17	18.646		0.0000	0.0000%	40816	5038	8.1	2			0.0000E+00
18	18.874	Aroclor-1016	7369.7739	14.7876%	1022488	119058	8.6	2	50	0	7.2077E-03
9	19.135		0.0000	0.0000%	375728	35213	10.7	3			0.0000E+00
0	19.497		0.0000	0.0000%	29127	3913	7.4	4			0.0000E+00
21	20.060		0.0000	0.0000%	11309	1284	8.8	2			0.0000E+00
2	20.763		0.0000	0.0000%	572774	67492	8.5	2			0.0000E+00
3	20.971		0.0000	0.0000%	61035	8227	7.4	2			0.0000E+00
24	21.467		0.0000	0.0000%	237086	22698	10.4	2			0.0000E+00
25	21.755		0.0000	0.0000%	25293	3165	8.0	2			0.0000E+00
6	21.976		0.0000	0.0000%	159984	19062	8.4	2			0.0000E+00
7	22.318		0.0000	0.0000%	366879	45196	8.1	2			0.0000E+00
28	22.639		0.0000	0.0000%	258228	29418	8.8	2			0.0000E+00
29	22.807		0.0000	0.0000%	40726	6658	6.1	2			0.0000E+00
0	23.122		0.0000	0.0000%	1993212	231874	8.6	2			0.0000E+00
1	23.504		0.0000	0.0000%	2386867	270475	8.8	2			0.0000E+00
2	23.872		0.0000	0.0000%	878163	111110	7.9	2			0.0000E+00
	24.160		0.0000	0.0000%	169448	20439	8.3	2			0.0000E+00
6	24.844		0.0000	0.0000%	790963	88317	9.0	2			0.0000E+00
	25.266		0.0000	0.0000%	902376	108048	8.4	2			0.0000E+00
	5.581		0.0000	0.0000%	1397397	188559	7.4	2			0.0000E+00
.	25.889		0.0000	0.0000%	421053	62011	6.8	2			0.0000E+00
.3	26.097	Aroclor-1260	17046.0020	34.2032%	3170162	412689	7.7	2	74	0	5.3770E-03
39	26.458		0.0000	0.0000%	746708	72932	10.2	2			0.0000E+00
0	26.679		0.0000	0.0000%	2125947	282682	7.5	2			0.0000E+00

[illegible]	26.934	Aroclor-1260	4375.1279	8.7788%	1682659	180634	9.3	2	50	0	2.6001E-03
[illegible]	27.162		0.0000	0.0000%	323544	50717	6.4	2			0.0000E+00
[illegible]	27.363	Aroclor-1260	4278.0962	8.5841%	1694838	220673	7.7	2	50	0	2.5242E-03
44	27.691		0.0000	0.0000%	178818	22627	7.9	2			0.0000E+00
45	27.926		0.0000	0.0000%	54452	7786	7.0	2			0.0000E+00
46	28.241		0.0000	0.0000%	522157	78401	6.7	2			0.0000E+00
47	28.555		0.0000	0.0000%	993603	151073	6.6	2			0.0000E+00
48	28.770	Aroclor-1260	5176.9062	10.3876%	1284495	162813	7.9	2	74	0	4.0303E-03
49	28.998		0.0000	0.0000%	911244	114763	7.9	2			0.0000E+00
50	29.232	Aroclor-1260	9524.0615	19.1103%	2917327	332665	8.8	2	74	0	3.2647E-03
51	29.674		0.0000	0.0000%	293569	37787	7.8	2			0.0000E+00
52	29.795		0.0000	0.0000%	204882	30758	6.7	2			0.0000E+00
53	30.197		0.0000	0.0000%	46589	6362	7.3	2			0.0000E+00
54	30.867		0.0000	0.0000%	333847	51740	6.5	2			0.0000E+00
55	30.994		0.0000	0.0000%	720160	106747	6.7	2			0.0000E+00
56	31.122		0.0000	0.0000%	601364	71047	8.5	2			0.0000E+00
57	31.430	DBC	333.9361	0.6701%	1142064	136769	8.4	3	74	-.2375	2.9240E-04
58	31.684		0.0000	0.0000%	20115	2698	7.5	4			0.0000E+00
59	31.932		0.0000	0.0000%	7765	853	9.1	2			0.0000E+00
61	32.515		0.0000	0.0000%	7320	1186	6.2	1			0.0000E+00
62	32.977		0.0000	0.0000%	210479	23641	8.9	2			0.0000E+00
63	33.152		0.0000	0.0000%	73389	12565	5.8	2			0.0000E+00
64	33.319		0.0000	0.0000%	494603	66465	7.4	2			0.0000E+00
65	33.788		0.0000	0.0000%	70706	3875	18.2	2			0.0000E+00
66	34.384		0.0000	0.0000%	69454	3247	21.4	2			0.0000E+00
	35.202		0.0000	0.0000%	12539	1449	8.7	2			0.0000E+00
68	35.510		0.0000	0.0000%	48150	5483	8.8	2			0.0000E+00
[illegible]	35.745		0.0000	0.0000%	135040	13692	9.9	2			0.0000E+00
[illegible]	37.982		0.0000	0.0000%	34258	3068	11.2	1			0.0000E+00
[illegible]	40.334	Decachlorobiphenyl	17.9050	0.0359%	103734	7762	13.4	1	74	0	1.7260E-04

TOTAL AMOUNT = 49837.3950

Areas, times, and heights stored in: F:ANOVW37.ATB
Data File = F:ANOVW37.PTS Printed on 11-04-1994 at 09:32:26
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:32:42 Version 5.1.5 **********

Sample Name: AA63450 MSD 1: FLE011 Data File: F:BNOVW37

Date: 11-04-1994 03:29:09 Method: E:K1060N1 11-03-1994 12:17:49 # 164

Interface: 1 Cycle#: 37 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

Sample Weight: 0.02565

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.104		0.0000	0.0000%	55512	7808	7.1	1			0.0000E+00
5	11.209		0.0000	0.0000%	6258	867	7.2	2			0.0000E+00
6	11.745		0.0000	0.0000%	9034	1224	7.4	2			0.0000E+00
7	12.053	Aroclor-1016	392.4017	2.3502%	44650	6234	7.2	2	82	.1685	8.7885E-03
8	13.112		0.0000	0.0000%	6521	903	7.2	1			0.0000E+00
9	14.305	Aroclor-1016	469.8196	2.8139%	128888	11342	11.4	2	82	.1354	3.6452E-03
	14.881		0.0000	0.0000%	8165	1054	7.7	2			0.0000E+00
	15.336		0.0000	0.0000%	62802	8397	7.5	1			0.0000E+00
3	16.335		0.0000	0.0000%	14223	1805	7.9	2			0.0000E+00
4	16.475		0.0000	0.0000%	8154	1160	7.0	2			0.0000E+00
15	16.837		0.0000	0.0000%	172010	16204	10.6	2			0.0000E+00
16	17.413		0.0000	0.0000%	92838	10489	8.9	2			0.0000E+00
7	17.829		0.0000	0.0000%	43096	4764	9.0	2			0.0000E+00
8	18.124		0.0000	0.0000%	20978	2630	8.0	2			0.0000E+00
19	18.566		0.0000	0.0000%	7414	1047	7.1	2			0.0000E+00
0	18.814		0.0000	0.0000%	895380	106293	8.4	2			0.0000E+00
1	19.062		0.0000	0.0000%	262084	31354	8.4	2			0.0000E+00
22	19.242		0.0000	0.0000%	73057	8801	8.3	2			0.0000E+00
23	19.979		0.0000	0.0000%	502740	60780	8.3	2			0.0000E+00
4	20.167		0.0000	0.0000%	52357	7643	6.9	2			0.0000E+00
5	20.670		0.0000	0.0000%	223429	24481	9.1	2			0.0000E+00
26	20.951		0.0000	0.0000%	8449	1141	7.4	2			0.0000E+00
27	21.139		0.0000	0.0000%	43539	5155	8.4	2			0.0000E+00
8	21.440		0.0000	0.0000%	11483	1359	8.5	2			0.0000E+00
9	21.795		0.0000	0.0000%	7452	1049	7.1	2			0.0000E+00
30	22.016		0.0000	0.0000%	147336	17923	8.2	2			0.0000E+00
1	22.224		0.0000	0.0000%	328238	40225	8.2	2			0.0000E+00
2	22.465		0.0000	0.0000%	1653615	183829	9.0	2			0.0000E+00
33	22.820		0.0000	0.0000%	244280	29629	8.2	2			0.0000E+00
34	23.410		0.0000	0.0000%	489434	52883	9.3	2			0.0000E+00
	23.705		0.0000	0.0000%	2472584	239616	10.3	2			0.0000E+00
6	23.979		0.0000	0.0000%	784291	99115	7.9	2			0.0000E+00
	24.308		0.0000	0.0000%	35002	4345	8.1	2			0.0000E+00
	24.529		0.0000	0.0000%	121186	16088	7.5	2			0.0000E+00
	24.783		0.0000	0.0000%	677115	88412	7.7	2			0.0000E+00
40	25.031		0.0000	0.0000%	1395874	181327	7.7	2			0.0000E+00
41	25.239		0.0000	0.0000%	405855	55320	7.3	2			0.0000E+00
2	25.507		0.0000	0.0000%	2748441	332333	8.3	2			0.0000E+00

43	26.070	Aroclor-1260	4511.6904	27.0220%	618982	66288	9.3	2	82	-.0742	7.2889E-03
	26.304		0.0000	0.0000%	432467	54543	7.9	2			0.0000E+00
45	26.499		0.0000	0.0000%	111748	25379	4.4	2			0.0000E+00
46	26.700		0.0000	0.0000%	3051697	300442	10.2	2			0.0000E+00
47	27.115	Aroclor-1260	969.5250	5.8068%	305590	22586	13.5	2	58	.4051	3.1726E-03
48	27.457		0.0000	0.0000%	271282	37804	7.2	2			0.0000E+00
49	27.725		0.0000	0.0000%	1359893	205584	6.6	2			0.0000E+00
50	27.845		0.0000	0.0000%	1847921	232767	7.9	2			0.0000E+00
51	28.254	Aroclor-1260	1296.5723	7.7656%	588731	74464	7.9	2	58	.5470	2.2023E-03
52	28.562		0.0000	0.0000%	151201	27986	5.4	2			0.0000E+00
53	28.642		0.0000	0.0000%	220816	32773	6.7	2			0.0000E+00
54	28.877	Aroclor-1260	7865.2915	47.1078%	2892636	349166	8.3	2	82	0	2.7191E-03
55	29.212		0.0000	0.0000%	226549	31197	7.3	2			0.0000E+00
56	29.581	Aroclor-1260	1131.7034	6.7781%	319328	41190	7.8	2	82	0	3.5440E-03
57	29.781		0.0000	0.0000%	169812	25526	6.7	2			0.0000E+00
58	29.989		0.0000	0.0000%	734585	102839	7.1	3			0.0000E+00
59	30.204		0.0000	0.0000%	32783	5057	6.5	4			0.0000E+00
60	30.505		0.0000	0.0000%	313783	46216	6.8	2			0.0000E+00
61	30.720		0.0000	0.0000%	179362	26696	6.7	2			0.0000E+00
62	30.914		0.0000	0.0000%	463163	67311	6.9	2			0.0000E+00
63	31.142		0.0000	0.0000%	96855	14016	6.9	2			0.0000E+00
64	31.329		0.0000	0.0000%	61367	8988	6.8	2			0.0000E+00
65	31.577		0.0000	0.0000%	717612	101996	7.0	3			0.0000E+00
6	31.825		0.0000	0.0000%	16155	2435	6.6	4			0.0000E+00
7	32.046		0.0000	0.0000%	21809	2895	7.5	2			0.0000E+00
68	32.327	DBC	41.6324	0.2493%	153065	21306	7.2	2	82	0	2.7199E-04
69	32.709		0.0000	0.0000%	468573	62804	7.5	2			0.0000E+00
0	33.078		0.0000	0.0000%	110929	14094	7.9	2			0.0000E+00
	33.306		0.0000	0.0000%	118100	15321	7.7	2			0.0000E+00
4	33.942		0.0000	0.0000%	14496	1887	7.7	1			0.0000E+00
73	34.679		0.0000	0.0000%	58147	6220	9.3	2			0.0000E+00
4	35.041		0.0000	0.0000%	11024	869	12.7	2			0.0000E+00
75	35.711		0.0000	0.0000%	155079	13293	11.7	2			0.0000E+00
76	36.026		0.0000	0.0000%	11025	989	11.1	2			0.0000E+00
7	36.374		0.0000	0.0000%	21698	980	22.1	2			0.0000E+00
8	36.997		0.0000	0.0000%	23184	1038	22.3	2			0.0000E+00
80	37.976		0.0000	0.0000%	37515	2950	12.7	1			0.0000E+00
82	40.153	Decachlorobiphenyl	17.7483	0.1063%	104920	7345	14.3	1	82	0	1.6916E-04

TOTAL AMOUNT = 16696.3848

PEAKS NOT FOUND IN THIS RUN

AME	ADJUSTED RET.TIME.	REFERENCE PEAK
TCMX	10.21	DBC
Aroclor-1016	15.50	DBC
roclor-1016	17.02	DBC
roclor-1016	17.63	Aroclor-1260

reas, times, and heights stored in: F:BNOVW37.ATB
ta File = F:BNOVW37.PTS Printed on 11-04-1994 at 09:32:51
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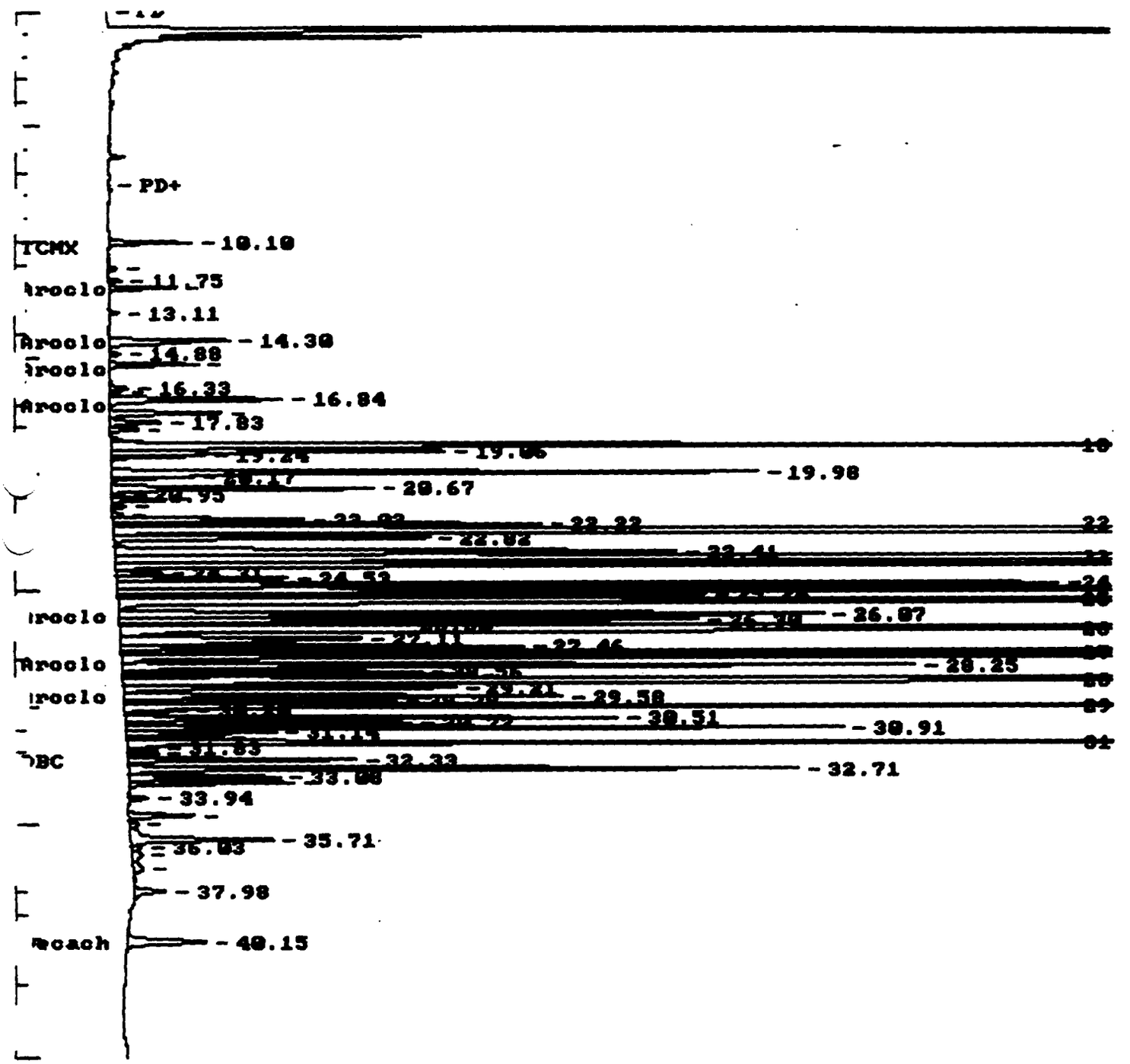

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PBLK20

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Lab Sample ID: PBLK5626 Lab File ID: ANOVW20

Matrix: (soil/water) SOIL Extraction: (SepF/Cont/Sonc) SONC

Sulfur Cleanup: (Y/N) N Date Extracted: 10/25/94

Date Analyzed (1): 11/03/94 Date Analyzed (2): 11/03/94

Time Analyzed (1): 12:09 Time Analyzed (2): 12:09

Instrument ID (1): HP 1 Instrument ID (2): HP 2

GC Column (1): DB608 ID: .53 (mm) GC Column (2): DB5 ID: .53 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	FLE011	AA63450	11/04/94	11/04/94
2	FLE01MS	AA63450MS	11/04/94	11/04/94
3	FLE01MSD	AA63450MSD	11/04/94	11/04/94
4	FLW012	AA63451	11/04/94	11/04/94
5	WLS014	AA63452	11/04/94	11/04/94
6	WLE015	AA63453	11/03/94	11/03/94
7	WLW016	AA63454	11/04/94	11/04/94
8	WLN027	AA63455	11/04/94	11/04/94
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

COMMENTS:

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FLE011

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: AA63450

Sample wt/vol: 30.3 (g/mL) G Lab File ID: ANOVW35

% Moisture: 15. decanted: (Y/N) N Date Received: 10/20/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume:10000.0 (uL) Date Analyzed: 11/04/94

Injection Volume: .5 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	190.	U
11104-28-2	Aroclor-1221	390.	U
11141-16-5	Aroclor-1232	190.	U
53469-21-9	Aroclor-1242	190.	U
12672-29-6	Aroclor-1248	190.	U
11097-69-1	Aroclor-1254	1100.	
11096-82-5	Aroclor-1260	190.	U

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:10:51 Version 5.1.5 **********

Sample Name: AA63450 1:5 FLE011 Data File: F:ANOVW35

Date: 11-04-1994 01:42:47 Method: E:J1254N1 11-03-1994 11:47:53 # 165

Interface: 1 Cycle#: 35 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

Sample Weight: 0.02578

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	12.3569	0.2093%	49680	7874	6.3	1	66	.0497	2.4873E-04
10	18.874		0.0000	0.0000%	101266	12373	8.2	2			0.0000E+00
11	19.135		0.0000	0.0000%	31160	2974	10.5	2			0.0000E+00
3	20.757		0.0000	0.0000%	48661	5874	8.3	2			0.0000E+00
15	21.474		0.0000	0.0000%	17403	1784	9.8	2			0.0000E+00
17	21.983		0.0000	0.0000%	14389	1831	7.9	2			0.0000E+00
	22.318		0.0000	0.0000%	38928	4981	7.8	1			0.0000E+00
	22.646		0.0000	0.0000%	16825	2304	7.3	1			0.0000E+00
20	23.122	Aroclor-1254	972.0676	16.4683%	219415	27504	8.0	2	66	0	4.4303E-03
21	23.504	Aroclor-1254	1029.7749	17.4459%	276260	33335	8.3	2	66	0	3.7276E-03
22	23.872		0.0000	0.0000%	94362	12379	7.6	2			0.0000E+00
23	24.160		0.0000	0.0000%	16716	2102	8.0	2			0.0000E+00
24	24.844		0.0000	0.0000%	83481	9703	8.6	2			0.0000E+00
25	25.266		0.0000	0.0000%	97177	11938	8.1	2			0.0000E+00
26	25.581		0.0000	0.0000%	139759	19493	7.2	2			0.0000E+00
27	25.882		0.0000	0.0000%	43934	6307	7.0	2			0.0000E+00
28	26.097	Aroclor-1254	1104.2373	18.7074%	352594	49511	7.1	2	66	0	3.1318E-03
29	26.458		0.0000	0.0000%	87632	8747	10.0	2			0.0000E+00
30	26.673		0.0000	0.0000%	235124	32773	7.2	2			0.0000E+00
31	26.934		0.0000	0.0000%	204598	23285	8.8	2			0.0000E+00
32	27.162		0.0000	0.0000%	33206	5377	6.2	2			0.0000E+00
33	27.363	Aroclor-1254	1408.4092	23.8606%	208351	28641	7.3	3	66	0	6.7598E-03
34	27.684		0.0000	0.0000%	20391	2663	7.7	4			0.0000E+00
35	27.926		0.0000	0.0000%	5943	867	6.9	2			0.0000E+00
36	28.234		0.0000	0.0000%	55226	8312	6.6	2			0.0000E+00
37	28.555		0.0000	0.0000%	98159	14826	6.6	2			0.0000E+00
8	28.770		0.0000	0.0000%	148603	19695	7.5	2			0.0000E+00
9	28.998		0.0000	0.0000%	100241	12502	8.0	2			0.0000E+00
40	29.232	Aroclor-1254	1266.8873	21.4630%	302046	40850	7.4	2	66	0	4.1943E-03
41	29.386		0.0000	0.0000%	36363	6467	5.6	2			0.0000E+00
	29.668		0.0000	0.0000%	34798	4553	7.6	2			0.0000E+00
3	29.795		0.0000	0.0000%	25492	3538	7.2	2			0.0000E+00
	30.190		0.0000	0.0000%	11807	1361	8.7	2			0.0000E+00
	0.639		0.0000	0.0000%	15470	1285	12.0	2			0.0000E+00
	30.867		0.0000	0.0000%	39749	6393	6.2	2			0.0000E+00
47	30.994		0.0000	0.0000%	76346	11349	6.7	2			0.0000E+00
48	31.128		0.0000	0.0000%	70279	7874	8.9	2			0.0000E+00
9	31.510	DBC	92.1085	1.5605%	316608	31419	10.1	3	66	0	2.9092E-04

										0.0000E+00
[illegible]	31.932		0.0000	0.0000%	12839	975	13.2 4			0.0000E+00
[illegible]	32.327		0.0000	0.0000%	19790	1838	10.8 2			0.0000E+00
52	32.676		0.0000	0.0000%	92639	4837	19.2 2			0.0000E+00
53	33.004		0.0000	0.0000%	124266	10279	12.1 2			0.0000E+00
54	33.111		0.0000	0.0000%	77984	9833	7.9 2			0.0000E+00
55	33.312		0.0000	0.0000%	131200	12685	10.3 2			0.0000E+00
56	33.862		0.0000	0.0000%	257163	9184	28.0 2			0.0000E+00
57	34.384		0.0000	0.0000%	277689	9812	28.3 2			0.0000E+00
58	34.827		0.0000	0.0000%	81128	4873	16.6 2			0.0000E+00
59	35.209		0.0000	0.0000%	90132	5675	15.9 2			0.0000E+00
60	35.477		0.0000	0.0000%	54103	4200	12.9 2			0.0000E+00
61	35.758		0.0000	0.0000%	121806	4794	25.4 2			0.0000E+00
62	36.334		0.0000	0.0000%	34075	1746	19.5 2			0.0000E+00
63	36.743		0.0000	0.0000%	21510	1063	20.2 2			0.0000E+00
66	40.334	Decachlorobiphenyl	16.8261	0.2851%	97977	7204	13.6 1	66	0	1.7173E-04

TOTAL AMOUNT = 5902.6675

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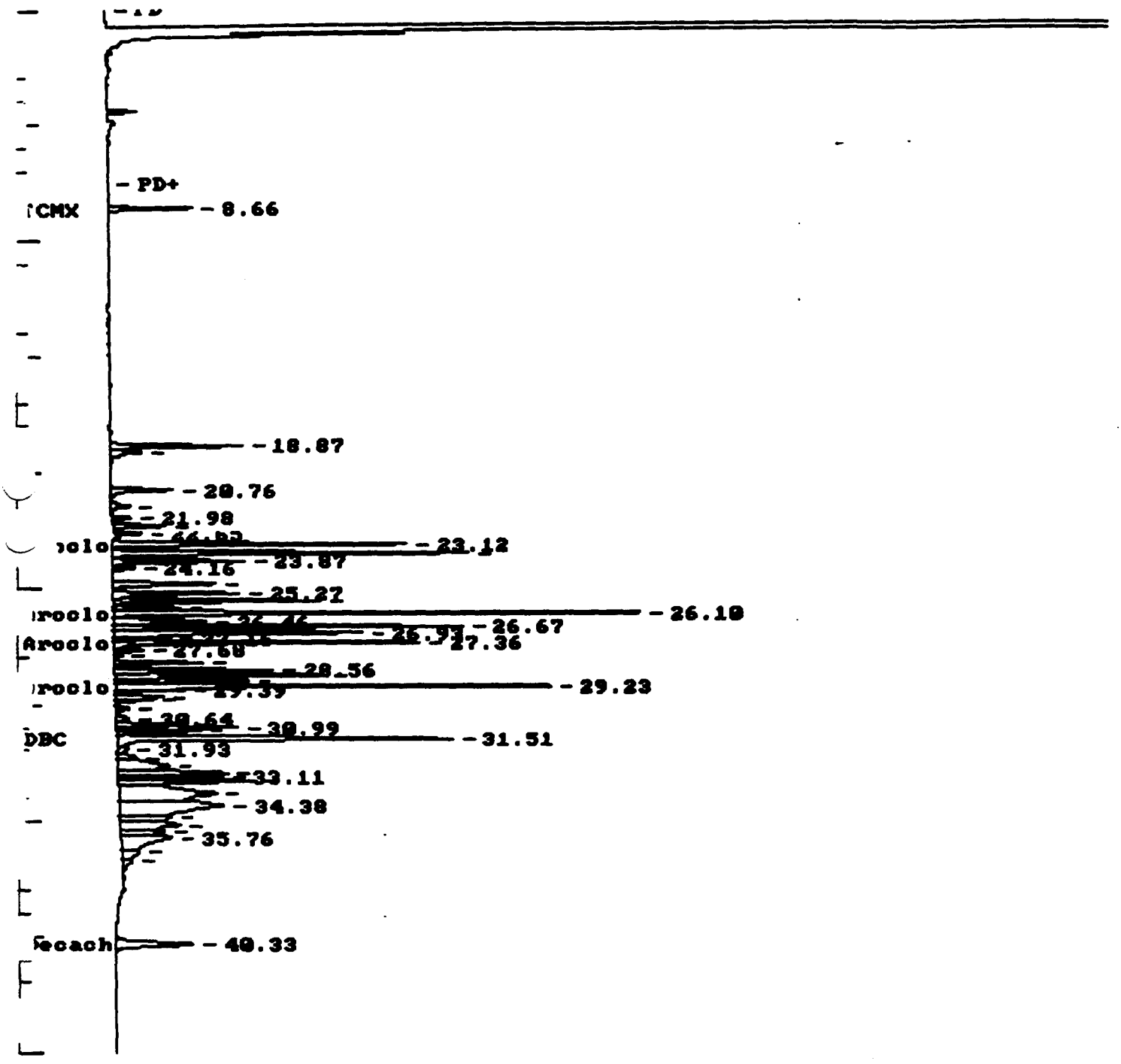

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:22:43 Version 5.1.5 **********

Sample Name: AA63450 1:5 FLE011 Data File: F:BNOVW35 *

* Date: 11-04-1994 01:42:47 Method: E:K1254N1 11-03-1994 11:48:59 # 167*

Interface: 1 Cycle#: 35 Operator MAC Channel#: 1 Vial#: N.A. *

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *

Solvent Description: DB-1;3.0 u film thickness *

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *

* Detector 0: FID Detector 1: *

* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

Sample Weight: 0.02578

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	10.097	TCMX	11.5600	0.2080%	43622	6875	6.3	1	75	0	2.6500E-04
.4	18.814		0.0000	0.0000%	90404	11137	8.1	2			0.0000E+00
.5	19.062		0.0000	0.0000%	30436	2724	11.2	2			0.0000E+00
.6	19.979		0.0000	0.0000%	38217	4938	7.7	1			0.0000E+00
.7	20.676		0.0000	0.0000%	15584	1749	8.9	1			0.0000E+00
[illegible]	22.016		0.0000	0.0000%	14486	1780	8.1	2			0.0000E+00
	22.224		0.0000	0.0000%	38571	4695	8.2	2			0.0000E+00
[illegible]	22.458	Aroclor-1254	913.7762	16.4392%	182492	21029	8.7	2	75	.0408	5.0072E-03
4	22.814		0.0000	0.0000%	26345	3211	8.2	2			0.0000E+00
5	23.403		0.0000	0.0000%	52195	5733	9.1	2			0.0000E+00
26	23.705	Aroclor-1254	1014.1185	18.2444%	283169	29151	9.7	2	75	0	3.5813E-03
27	23.979		0.0000	0.0000%	86241	11046	7.8	2			0.0000E+00
9	24.529		0.0000	0.0000%	15233	2026	7.5	2			0.0000E+00
0	24.783		0.0000	0.0000%	72746	9729	7.5	2			0.0000E+00
31	25.031		0.0000	0.0000%	136775	18487	7.4	2			0.0000E+00
2	25.239		0.0000	0.0000%	39855	5512	7.2	2			0.0000E+00
3	25.507	Aroclor-1254	1055.4075	18.9872%	300759	38651	7.8	2	75	0	3.5091E-03
4	26.070		0.0000	0.0000%	65471	7002	9.4	2			0.0000E+00
5	26.304		0.0000	0.0000%	47065	6075	7.7	2			0.0000E+00
6	26.693	Aroclor-1254	1222.7538	21.9979%	374275	36077	10.4	2	75	0	3.2670E-03
7	27.115		0.0000	0.0000%	34000	2504	13.6	2			0.0000E+00
38	27.457		0.0000	0.0000%	30907	4390	7.0	2			0.0000E+00
39	27.725		0.0000	0.0000%	179810	26554	6.8	2			0.0000E+00
0	27.839		0.0000	0.0000%	186515	25083	7.4	2			0.0000E+00
.1	28.254		0.0000	0.0000%	62375	7667	8.1	2			0.0000E+00
42	28.638		0.0000	0.0000%	46628	4032	11.6	2			0.0000E+00
3	28.877	Aroclor-1254	1273.6270	22.9131%	336023	43598	7.7	2	75	.0192	3.7903E-03
4	29.212		0.0000	0.0000%	23697	3261	7.3	2			0.0000E+00
45	29.440		0.0000	0.0000%	26516	4166	6.4	2			0.0000E+00
46	29.581		0.0000	0.0000%	37993	5392	7.0	2			0.0000E+00
	29.781		0.0000	0.0000%	21051	3097	6.8	2			0.0000E+00
	29.989		0.0000	0.0000%	78211	10794	7.2	3			0.0000E+00
50	30.505		0.0000	0.0000%	37477	5562	6.7	2			0.0000E+00
	30.720		0.0000	0.0000%	21151	3206	6.6	2			0.0000E+00
2	30.914		0.0000	0.0000%	51812	7281	7.1	2			0.0000E+00
53	31.142		0.0000	0.0000%	10793	1595	6.8	2			0.0000E+00
54	31.329		0.0000	0.0000%	7248	1095	6.6	2			0.0000E+00
5	31.570		0.0000	0.0000%	83408	11965	7.0	3			0.0000E+00

	32.026		0.0000	0.0000%	11501	1413	8.1 2			0.0000E+00
	32.327	DBC	48.3459	0.8698%	178649	25176	7.1 2	75	0	2.7062E-04
	32.709		0.0000	0.0000%	54081	7185	7.5 2			0.0000E+00
50	33.071		0.0000	0.0000%	13611	1825	7.5 2			0.0000E+00
61	33.306		0.0000	0.0000%	14246	1912	7.5 2			0.0000E+00
54	34.197		0.0000	0.0000%	8048	545	14.8 2			0.0000E+00
55	34.673		0.0000	0.0000%	34689	2291	15.1 2			0.0000E+00
66	35.101		0.0000	0.0000%	54062	2858	18.9 2			0.0000E+00
67	35.637		0.0000	0.0000%	211461	8394	25.2 2			0.0000E+00
58	36.368		0.0000	0.0000%	183505	6027	30.4 2			0.0000E+00
59	36.991		0.0000	0.0000%	187439	6752	27.8 2			0.0000E+00
70	37.466		0.0000	0.0000%	47400	2945	16.1 2			0.0000E+00
71	37.734		0.0000	0.0000%	38175	2686	14.2 2			0.0000E+00
72	38.170		0.0000	0.0000%	83787	2822	29.7 2			0.0000E+00
73	38.498		0.0000	0.0000%	35289	1989	17.7 2			0.0000E+00
74	39.041		0.0000	0.0000%	12676	755	16.8 2			0.0000E+00
75	40.153	Decachlorobiphenyl	18.9184	0.3404%	112404	7073	15.9 1	75	0	1.6831E-04

TOTAL AMOUNT = 5558.5068

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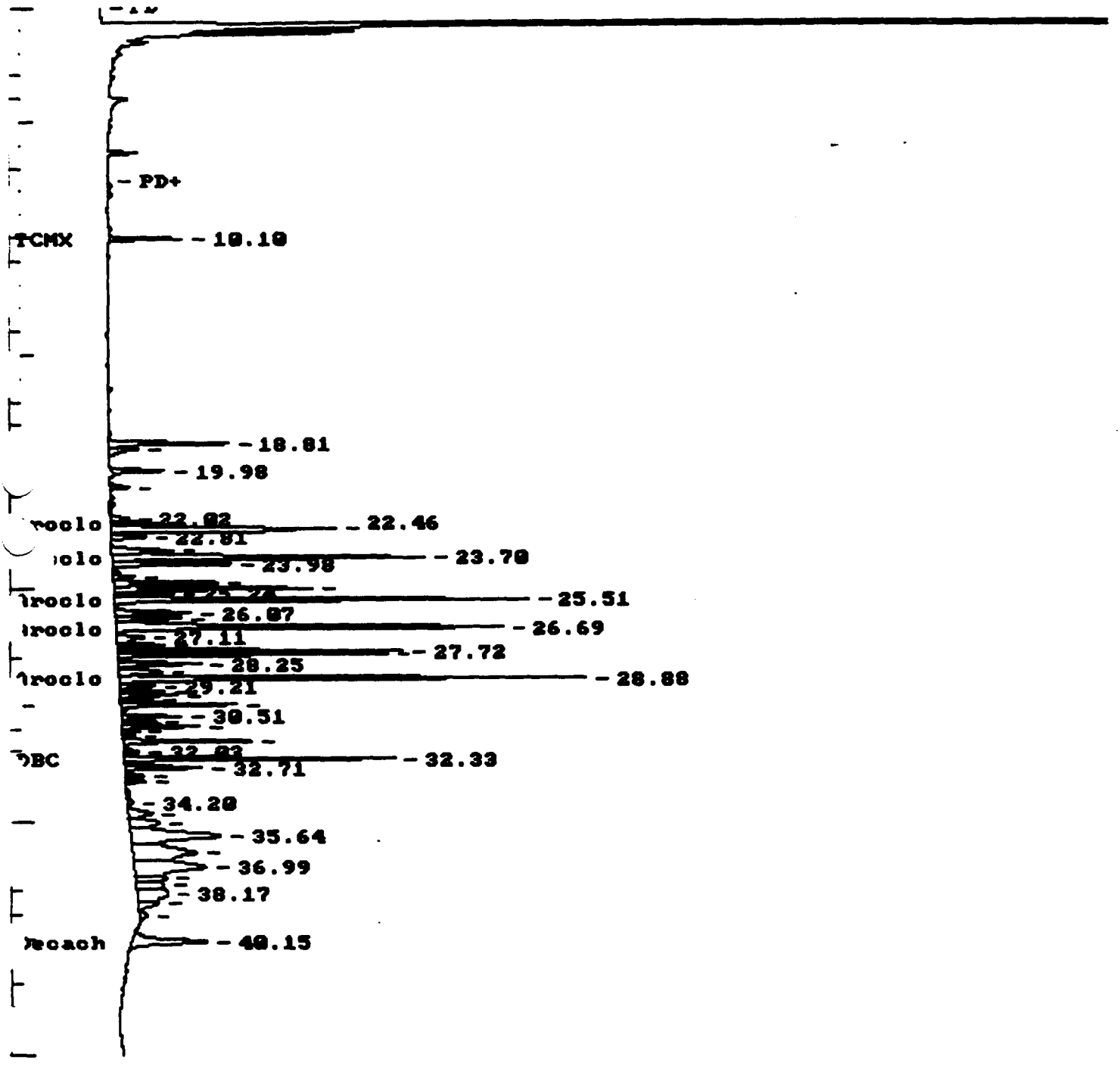

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FLW012

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: AA63451

Sample wt/vol: 30.5 (g/mL) G Lab File ID: ANOVW38

% Moisture: 12. decanted: (Y/N) N Date Received: 10/20/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 11/04/94

Injection Volume: .5 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	370.	U
11104-28-2	Aroclor-1221	750.	U
11141-16-5	Aroclor-1232	370.	U
53469-21-9	Aroclor-1242	370.	U
12672-29-6	Aroclor-1248	370.	U
11097-69-1	Aroclor-1254	6000.	
11096-82-5	Aroclor-1260	370.	U

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:12:04 Version 5.1.5 **********

Sample Name: AA63451 1:10 FLW012 Data File: F:ANOVW38

Date: 11-04-1994 04:22:18 Method: E:J1254N1 11-03-1994 11:47:53 # 165

Interface: 1 Cycle#: 38 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 100.00

Sample Weight: 0.02682

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	13.6704	0.0425%	28589	4481	6.4	1	64	.0497	4.7817E-04
8	18.874		0.0000	0.0000%	199772	24296	8.2	2			0.0000E+00
9	19.135		0.0000	0.0000%	58966	5908	10.0	3			0.0000E+00
11	20.757		0.0000	0.0000%	92008	11161	8.2	2			0.0000E+00
12	20.964		0.0000	0.0000%	7757	1086	7.1	2			0.0000E+00
13	21.467		0.0000	0.0000%	36511	3768	9.7	2			0.0000E+00
	21.983		0.0000	0.0000%	32885	4190	7.8	2			0.0000E+00
[illegible]	22.318		0.0000	0.0000%	107905	13704	7.9	1			0.0000E+00
17	22.646		0.0000	0.0000%	39954	5605	7.1	1			0.0000E+00
18	23.122	Aroclor-1254	4443.7954	13.8093%	521758	64398	8.1	2	64	0	8.5170E-03
19	23.504	Aroclor-1254	5085.5654	15.8037%	709676	85101	8.3	2	64	0	7.1660E-03
20	23.872		0.0000	0.0000%	245594	32155	7.6	2			0.0000E+00
21	24.160		0.0000	0.0000%	42175	5256	8.0	2			0.0000E+00
22	24.844		0.0000	0.0000%	195258	22237	8.8	2			0.0000E+00
23	25.266		0.0000	0.0000%	251764	30915	8.1	2			0.0000E+00
24	25.581		0.0000	0.0000%	378447	53125	7.1	2			0.0000E+00
25	25.882		0.0000	0.0000%	119863	17367	6.9	2			0.0000E+00
26	26.103	Aroclor-1254	6074.4775	18.8768%	1008945	138092	7.3	2	64	0	6.0206E-03
27	26.465		0.0000	0.0000%	248015	24449	10.1	2			0.0000E+00
28	26.673		0.0000	0.0000%	694507	95882	7.2	2			0.0000E+00
29	26.934		0.0000	0.0000%	620919	69151	9.0	2			0.0000E+00
30	27.162		0.0000	0.0000%	85556	14411	5.9	2			0.0000E+00
31	27.363	Aroclor-1254	8560.6143	26.6025%	658745	88259	7.5	3	64	0	1.2995E-02
32	27.691		0.0000	0.0000%	56164	7299	7.7	4			0.0000E+00
33	27.932		0.0000	0.0000%	16809	2412	7.0	2			0.0000E+00
34	28.234		0.0000	0.0000%	180923	27524	6.6	2			0.0000E+00
35	28.562		0.0000	0.0000%	298634	46257	6.5	2			0.0000E+00
36	28.770		0.0000	0.0000%	458399	59053	7.8	2			0.0000E+00
37	28.998		0.0000	0.0000%	316973	40511	7.8	2			0.0000E+00
38	29.232	Aroclor-1254	7688.4194	23.8922%	953495	125226	7.6	2	64	0	8.0634E-03
[illegible]	29.386		0.0000	0.0000%	146153	24767	5.9	2			0.0000E+00
	29.668		0.0000	0.0000%	122972	15919	7.7	2			0.0000E+00
[illegible]	29.795		0.0000	0.0000%	68577	10126	6.8	2			0.0000E+00
	30.197		0.0000	0.0000%	28763	3473	8.3	2			0.0000E+00
[illegible]	30.867		0.0000	0.0000%	164341	24083	6.8	2			0.0000E+00
44	30.994		0.0000	0.0000%	234232	35026	6.7	2			0.0000E+00
45	31.135		0.0000	0.0000%	229714	24917	9.2	2			0.0000E+00
46	31.430	DBC	295.8019	0.9192%	528895	62849	8.4	3	64	-.2869	5.5928E-04

7	31.691		0.0000	0.0000%	18960	2090	9.1	4			0.0000E+00
	31.926		0.0000	0.0000%	24793	2019	12.3	2			0.0000E+00
9	32.321		0.0000	0.0000%	28817	2637	10.9	2			0.0000E+00
50	32.669		0.0000	0.0000%	141666	7193	19.7	2			0.0000E+00
51	32.984		0.0000	0.0000%	241840	21506	11.2	2			0.0000E+00
52	33.138		0.0000	0.0000%	133719	17525	7.6	2			0.0000E+00
53	33.319		0.0000	0.0000%	321960	35588	9.0	2			0.0000E+00
54	33.855		0.0000	0.0000%	388122	13923	27.9	2			0.0000E+00
55	34.384		0.0000	0.0000%	419404	15127	27.7	2			0.0000E+00
56	34.827		0.0000	0.0000%	129562	7455	17.4	2			0.0000E+00
57	35.202		0.0000	0.0000%	133108	8964	14.8	2			0.0000E+00
58	35.497		0.0000	0.0000%	103496	8123	12.7	2			0.0000E+00
59	35.751		0.0000	0.0000%	232192	11644	19.9	2			0.0000E+00
60	36.374		0.0000	0.0000%	53137	2783	19.1	2			0.0000E+00
61	36.736		0.0000	0.0000%	34612	1709	20.2	2			0.0000E+00
62	37.453		0.0000	0.0000%	5699	449	12.7	2			0.0000E+00
63	37.976		0.0000	0.0000%	13803	1350	10.2	1			0.0000E+00
64	40.334	Decachlorobiphenyl	17.3298	0.0539%	52491	3919	13.4	1	64	0	3.3015E-04

TOTAL AMOUNT = 32179.6758

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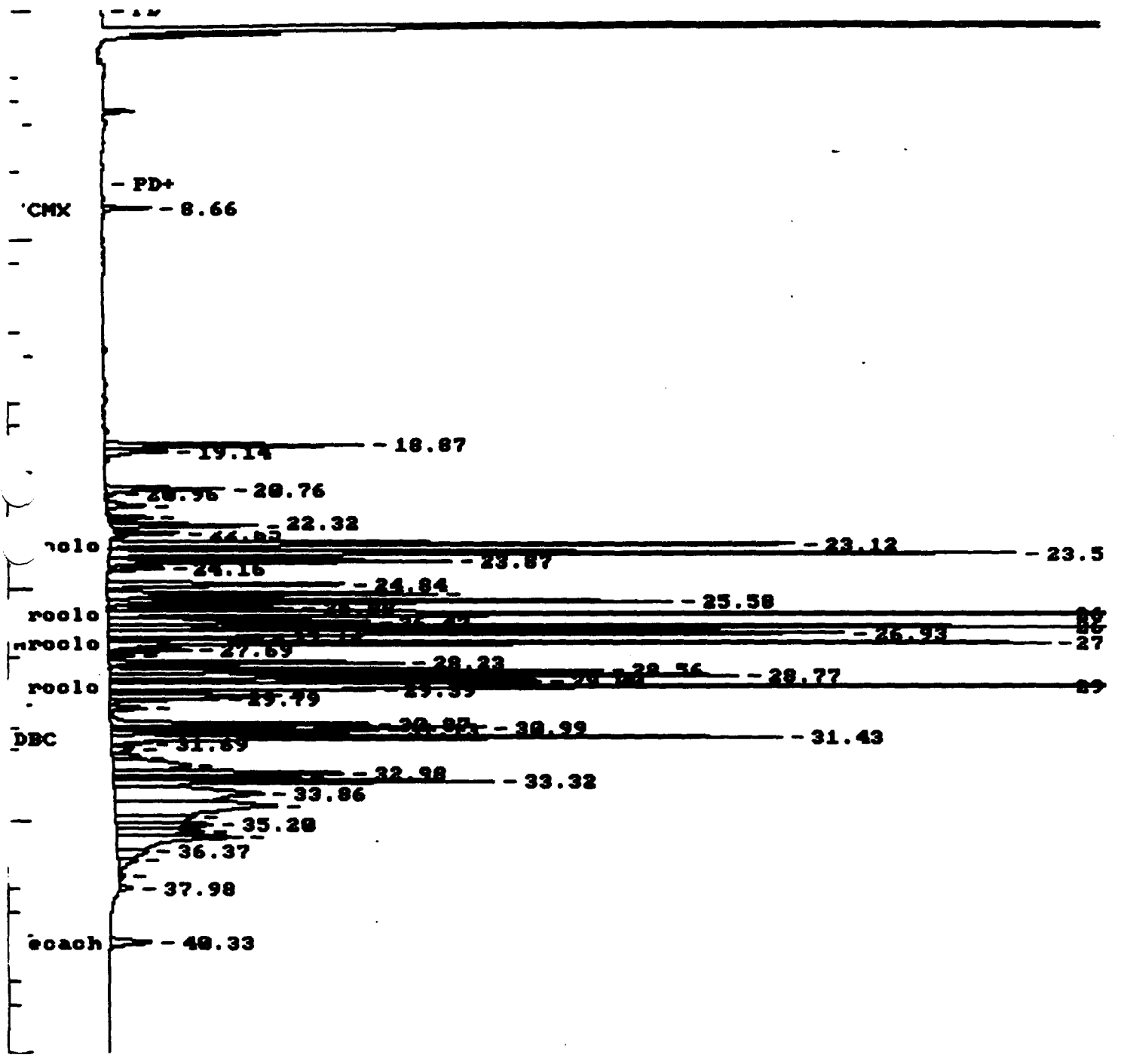

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:23:56 Version 5.1.5 **********

* Sample Name: AA63451 1:10 FLW012 Data File: F:BNOVW38 *

* Date: 11-04-1994 04:22:18 Method: E:K1254N1 11-03-1994 11:48:59 # 167*

Interface: 1 Cycle#: 38 Operator MAC Channel#: 1 Vial#: N.A. *

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *

Solvent Description: DB-1;3.0 u film thickness *

* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *

* Detector 0: FID Detector 1: *

Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 100.00

Sample Weight: 0.02682

AR UM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	10.104	TCMX	12.8001	0.0427%	25125	3942	6.4	1	72	.1541	5.0946E-04
2	18.814		0.0000	0.0000%	180003	22065	8.2	2			0.0000E+00
	19.068		0.0000	0.0000%	55733	5399	10.3	2			0.0000E+00
4	19.979		0.0000	0.0000%	74955	9734	7.7	1			0.0000E+00
5	20.676		0.0000	0.0000%	34714	3853	9.0	2			0.0000E+00
	21.139		0.0000	0.0000%	6627	781	8.5	2			0.0000E+00
	21.427		0.0000	0.0000%	11494	1443	8.0	2			0.0000E+00
20	22.016		0.0000	0.0000%	33332	4104	8.1	2			0.0000E+00
1	22.224		0.0000	0.0000%	108335	13057	8.3	2			0.0000E+00
2	22.465	Aroclor-1254	4165.1440	13.9108%	432692	49123	8.8	2	72	0	9.6261E-03
23	22.820		0.0000	0.0000%	61982	7556	8.2	2			0.0000E+00
4	23.410		0.0000	0.0000%	131586	14681	9.0	2			0.0000E+00
5	23.711	Aroclor-1254	5028.6543	16.7947%	730389	75796	9.6	2	72	0	6.8849E-03
26	23.979		0.0000	0.0000%	226488	29267	7.7	2			0.0000E+00
27	24.308		0.0000	0.0000%	10128	1290	7.8	2			0.0000E+00
8	24.529		0.0000	0.0000%	33563	4478	7.5	2			0.0000E+00
9	24.783		0.0000	0.0000%	191451	25545	7.5	2			0.0000E+00
30	25.031		0.0000	0.0000%	381687	51237	7.4	2			0.0000E+00
31	25.239		0.0000	0.0000%	112396	15552	7.2	2			0.0000E+00
2	25.507	Aroclor-1254	5751.1821	19.2078%	852515	106498	8.0	2	72	0	6.7461E-03
33	26.076		0.0000	0.0000%	202248	22088	9.2	2			0.0000E+00
34	26.304		0.0000	0.0000%	144443	18438	7.8	2			0.0000E+00
5	26.693	Aroclor-1254	7009.6670	23.4109%	1116078	106227	10.5	2	72	0	6.2806E-03
6	27.115		0.0000	0.0000%	97436	7310	13.3	2			0.0000E+00
37	27.457		0.0000	0.0000%	98020	13686	7.2	2			0.0000E+00
38	27.725		0.0000	0.0000%	591632	82626	7.2	2			0.0000E+00
9	27.839		0.0000	0.0000%	567975	79108	7.2	2			0.0000E+00
0	28.254		0.0000	0.0000%	221075	26445	8.4	2			0.0000E+00
41	28.642		0.0000	0.0000%	132596	12025	11.0	2			0.0000E+00
	28.877	Aroclor-1254	7904.8789	26.4008%	1084845	137947	7.9	2	72	.0192	7.2866E-03
	29.219		0.0000	0.0000%	83173	11218	7.4	2			0.0000E+00
44	29.581		0.0000	0.0000%	158620	21285	7.5	2			0.0000E+00
	29.781		0.0000	0.0000%	77201	11740	6.6	2			0.0000E+00
	29.989		0.0000	0.0000%	241481	33850	7.1	3			0.0000E+00
7	30.204		0.0000	0.0000%	15643	2417	6.5	4			0.0000E+00
48	30.505		0.0000	0.0000%	145828	21701	6.7	2			0.0000E+00
49	30.720		0.0000	0.0000%	83223	12484	6.7	2			0.0000E+00
0	30.914		0.0000	0.0000%	167220	23657	7.1	2			0.0000E+00

	31.142		0.0000	0.0000%	37321	5345	7.0	2			0.0000E+00
	31.329		0.0000	0.0000%	26608	3956	6.7	2			0.0000E+00
53	31.570		0.0000	0.0000%	325654	47074	6.9	3			0.0000E+00
54	31.832		0.0000	0.0000%	6883	1063	6.5	4			0.0000E+00
55	32.046		0.0000	0.0000%	10915	1547	7.1	2			0.0000E+00
56	32.327	DBC	44.8540	0.1498%	86216	12149	7.1	2	72	0	5.2025E-04
57	32.709		0.0000	0.0000%	194514	25967	7.5	2			0.0000E+00
58	33.078		0.0000	0.0000%	58013	7464	7.8	2			0.0000E+00
59	33.306		0.0000	0.0000%	62967	8230	7.7	2			0.0000E+00
60	33.936		0.0000	0.0000%	10894	890	12.2	2			0.0000E+00
61	34.203		0.0000	0.0000%	10036	708	14.2	2			0.0000E+00
62	34.679		0.0000	0.0000%	64933	5131	12.7	2			0.0000E+00
63	35.088		0.0000	0.0000%	74910	3996	18.7	2			0.0000E+00
64	35.698		0.0000	0.0000%	312031	15021	20.8	2			0.0000E+00
65	36.368		0.0000	0.0000%	260965	8316	31.4	2			0.0000E+00
66	36.997		0.0000	0.0000%	256637	9346	27.5	2			0.0000E+00
67	37.473		0.0000	0.0000%	68147	4102	16.6	2			0.0000E+00
68	37.748		0.0000	0.0000%	47252	3807	12.4	2			0.0000E+00
69	37.996		0.0000	0.0000%	135977	4665	29.1	2			0.0000E+00
70	38.518		0.0000	0.0000%	46498	2761	16.8	2			0.0000E+00
71	39.041		0.0000	0.0000%	17989	1088	16.5	2			0.0000E+00
72	40.153	Decachlorobiphenyl	24.6602	0.0824%	76215	3958	19.3	1	72	0	3.2356E-04

TOTAL AMOUNT = 29941.8418

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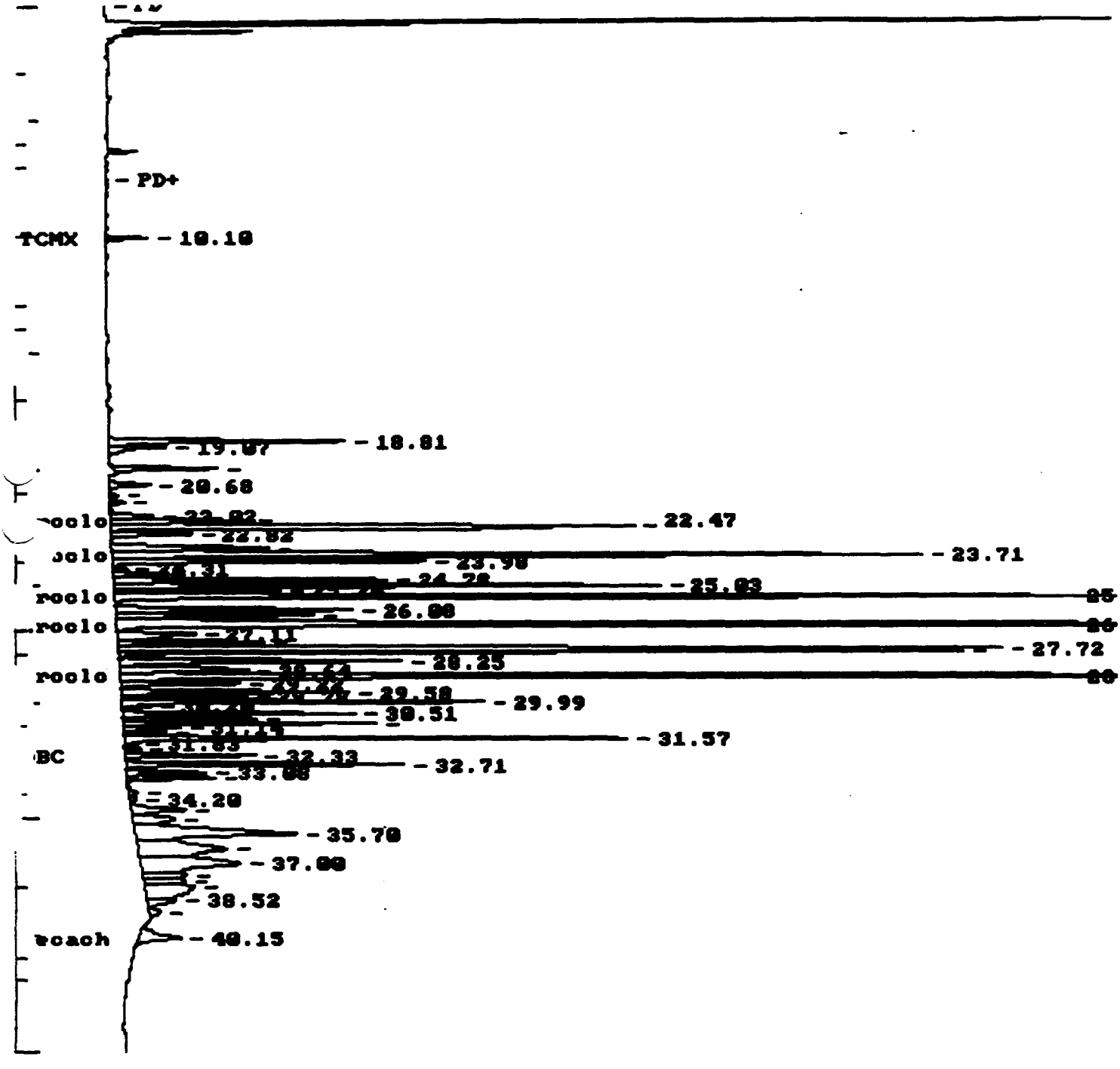

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WLS014

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: AA63452

Sample wt/vol: 30.5 (g/mL) G Lab File ID: ANOVW39

% Moisture: 13. decanted: (Y/N) N Date Received: 10/20/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume:10000.0 (uL) Date Analyzed: 11/04/94

Injection Volume: .5 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	190.	U
11104-28-2	Aroclor-1221	380.	U
11141-16-5	Aroclor-1232	190.	U
53469-21-9	Aroclor-1242	190.	U
12672-29-6	Aroclor-1248	190.	U
11097-69-1	Aroclor-1254	860.	
11096-82-5	Aroclor-1260	190.	U

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:12:27 Version 5.1.5 **********

Sample Name: AA63452 1:5 WLS014 Data File: F:ANOVW39

Date: 11-04-1994 05:15:28 Method: E:J1254N1 11-03-1994 11:47:53 # 165

Interface: 1 Cycle#: 39 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

Sample Weight: 0.02649

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	13.8105	0.2832%	57054	9093	6.3	1	65	.0497	2.4206E-04
9	18.874		0.0000	0.0000%	53371	6514	8.2	2			0.0000E+00
0	19.142		0.0000	0.0000%	20209	1651	12.2	2			0.0000E+00
.	20.757		0.0000	0.0000%	25434	3144	8.1	2			0.0000E+00
14	21.474		0.0000	0.0000%	9238	979	9.4	1			0.0000E+00
5	21.976		0.0000	0.0000%	10634	1340	7.9	2			0.0000E+00
	22.318		0.0000	0.0000%	44604	5435	8.2	2			0.0000E+00
	22.646		0.0000	0.0000%	21568	2076	10.4	2			0.0000E+00
18	23.122	Aroclor-1254	655.8782	13.4477%	152122	18831	8.1	2	65	0	4.3115E-03
9	23.510	Aroclor-1254	754.5426	15.4706%	207997	24867	8.4	2	65	0	3.6277E-03
.0	23.872		0.0000	0.0000%	72046	9151	7.9	2			0.0000E+00
21	24.160		0.0000	0.0000%	13809	1697	8.1	2			0.0000E+00
3	24.844		0.0000	0.0000%	56503	6487	8.7	2			0.0000E+00
4	25.266		0.0000	0.0000%	71903	8815	8.2	2			0.0000E+00
25	25.581		0.0000	0.0000%	104489	14577	7.2	2			0.0000E+00
26	25.889		0.0000	0.0000%	34086	4907	6.9	2			0.0000E+00
7	26.097	Aroclor-1254	855.5476	17.5416%	280709	39752	7.1	2	65	0	3.0478E-03
8	26.458		0.0000	0.0000%	78754	7880	10.0	2			0.0000E+00
29	26.679		0.0000	0.0000%	194530	26978	7.2	2			0.0000E+00
0	26.934		0.0000	0.0000%	196938	22074	8.9	3			0.0000E+00
1	27.162		0.0000	0.0000%	19099	3093	6.2	4			0.0000E+00
32	27.363	Aroclor-1254	1340.9605	27.4942%	203836	27983	7.3	3	65	0	6.5786E-03
33	27.691		0.0000	0.0000%	16930	2205	7.7	4			0.0000E+00
5	28.234		0.0000	0.0000%	54582	8156	6.7	2			0.0000E+00
5	28.555		0.0000	0.0000%	83328	12582	6.6	2			0.0000E+00
37	28.770		0.0000	0.0000%	139399	17904	7.8	2			0.0000E+00
38	28.998		0.0000	0.0000%	94956	12385	7.7	2			0.0000E+00
9	29.232	Aroclor-1254	1140.1139	23.3762%	279308	37902	7.4	2	65	0	4.0819E-03
.0	29.386		0.0000	0.0000%	54781	8865	6.2	2			0.0000E+00
41	29.661		0.0000	0.0000%	42260	5439	7.8	2			0.0000E+00
	29.795		0.0000	0.0000%	19535	3017	6.5	2			0.0000E+00
1	30.190		0.0000	0.0000%	11887	1338	8.9	2			0.0000E+00
	30.653		0.0000	0.0000%	9497	1113	8.5	2			0.0000E+00
	0.867		0.0000	0.0000%	58396	8617	6.8	2			0.0000E+00
	30.994		0.0000	0.0000%	67343	10191	6.6	2			0.0000E+00
.	31.155		0.0000	0.0000%	77392	7985	9.7	2			0.0000E+00
48	31.497	DBC	99.2979	2.0359%	350721	30959	11.3	3	65	0	2.8313E-04
	31.926		0.0000	0.0000%	17272	1294	13.3	4			0.0000E+00

0	32.321		0.0000	0.0000%	26382	2359	11.2	2			0.0000E+00
	32.676		0.0000	0.0000%	121949	6355	19.2	2			0.0000E+00
	32.998		0.0000	0.0000%	164960	14225	11.6	2			0.0000E+00
53	33.125		0.0000	0.0000%	116697	13441	8.7	2			0.0000E+00
54	33.319		0.0000	0.0000%	171776	17159	10.0	2			0.0000E+00
55	33.862		0.0000	0.0000%	343688	12316	27.9	2			0.0000E+00
56	34.384		0.0000	0.0000%	378858	13587	27.9	2			0.0000E+00
57	34.833		0.0000	0.0000%	113808	6717	16.9	2			0.0000E+00
58	35.202		0.0000	0.0000%	120113	7920	15.2	2			0.0000E+00
59	35.483		0.0000	0.0000%	79097	6050	13.1	2			0.0000E+00
60	35.751		0.0000	0.0000%	181121	7396	24.5	2			0.0000E+00
61	36.341		0.0000	0.0000%	45660	2466	18.5	2			0.0000E+00
62	36.743		0.0000	0.0000%	29777	1502	19.8	2			0.0000E+00
64	37.969		0.0000	0.0000%	6516	650	10.0	1			0.0000E+00
65	40.334	Decachlorobiphenyl	17.1010	0.3506%	102321	7512	13.6	1	65	0	1.6713E-04

TOTAL AMOUNT = 4877.2524

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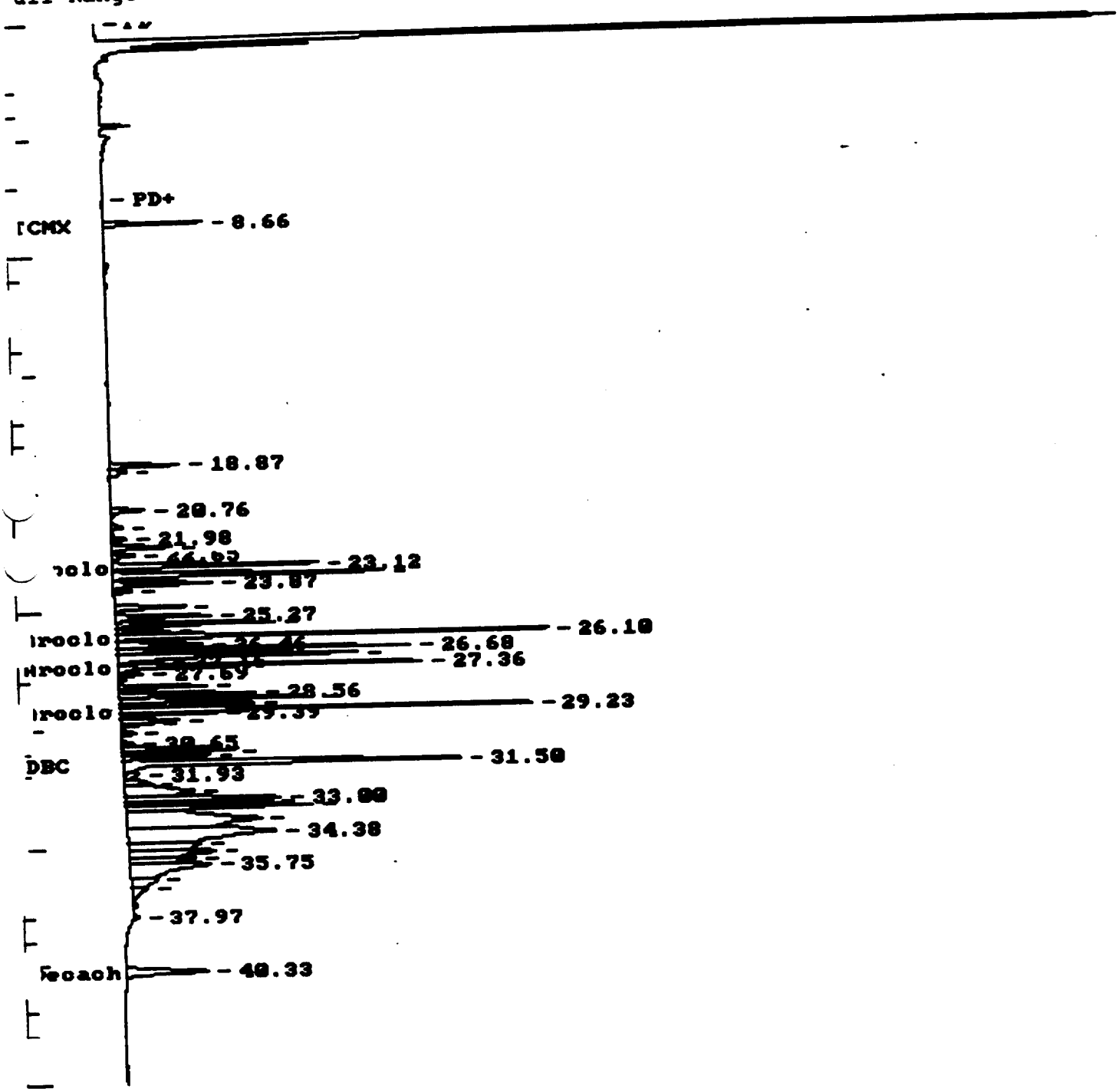

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:24:20 Version 5.1.5 **********

Sample Name: AA63452 1:5 WLS014 Data File: F:BNOVW39

Date: 11-04-1994 05:15:28 Method: E:K1254N1 11-03-1994 11:48:59 # 167

Interface: 1 Cycle#: 39 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

tarting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

ample Weight: 0.02649

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REP PEAK	% DELTA RET TIME	CONC/AREA
5	10.104	TCMX	13.3342	0.3061%	51703	7965	6.5	2	71	.1541	2.5790E-04
12	18.814		0.0000	0.0000%	47341	5839	8.1	2			0.0000E+00
3	19.068		0.0000	0.0000%	15772	1426	11.1	2			0.0000E+00
4	19.979		0.0000	0.0000%	20198	2632	7.7	1			0.0000E+00
15	20.676		0.0000	0.0000%	8809	986	8.9	1			0.0000E+00
7	21.427		0.0000	0.0000%	42812	5492	7.8	2			0.0000E+00
	22.023		0.0000	0.0000%	9665	1231	7.9	2			0.0000E+00
	22.224		0.0000	0.0000%	40656	4900	8.3	2			0.0000E+00
20	22.465	Aroclor-1254	595.5127	13.6712%	122206	14184	8.6	2	71	0	4.8730E-03
1	22.820		0.0000	0.0000%	17123	2070	8.3	2			0.0000E+00
2	23.410		0.0000	0.0000%	39185	4226	9.3	2			0.0000E+00
23	23.711	Aroclor-1254	731.8172	16.8004%	209970	22357	9.4	2	71	0	3.4853E-03
4	23.986		0.0000	0.0000%	63371	8140	7.8	2			0.0000E+00
6	24.529		0.0000	0.0000%	11192	1504	7.4	2			0.0000E+00
27	24.790		0.0000	0.0000%	53840	7248	7.4	2			0.0000E+00
28	25.031		0.0000	0.0000%	101744	13635	7.5	2			0.0000E+00
9	25.246		0.0000	0.0000%	30675	4254	7.2	2			0.0000E+00
0	25.507	Aroclor-1254	801.2236	18.3938%	234613	29640	7.9	2	71	0	3.4151E-03
31	26.083		0.0000	0.0000%	58255	6375	9.1	2			0.0000E+00
32	26.304		0.0000	0.0000%	41974	5386	7.8	2			0.0000E+00
3	26.693	Aroclor-1254	1030.2229	23.6509%	324027	31019	10.4	2	71	0	3.1794E-03
4	27.115		0.0000	0.0000%	27805	2100	13.2	2			0.0000E+00
35	27.463		0.0000	0.0000%	28815	4103	7.0	2			0.0000E+00
6	27.725		0.0000	0.0000%	189109	26231	7.2	2			0.0000E+00
7	27.839		0.0000	0.0000%	149209	22069	6.8	2			0.0000E+00
38	28.261		0.0000	0.0000%	65950	7765	8.5	2			0.0000E+00
39	28.636		0.0000	0.0000%	35453	3354	10.6	2			0.0000E+00
0	28.877	Aroclor-1254	1119.1266	25.6919%	303393	40185	7.5	2	71	.0192	3.6887E-03
1	29.219		0.0000	0.0000%	23194	3170	7.3	2			0.0000E+00
42	29.447		0.0000	0.0000%	25676	4227	6.1	2			0.0000E+00
	29.581		0.0000	0.0000%	55022	7762	7.1	2			0.0000E+00
4	29.781		0.0000	0.0000%	27290	4040	6.8	2			0.0000E+00
5	29.989		0.0000	0.0000%	69763	9708	7.2	3			0.0000E+00
	30.210		0.0000	0.0000%	5678	865	6.6	4			0.0000E+00
	30.505		0.0000	0.0000%	51809	7709	6.7	2			0.0000E+00
8	30.720		0.0000	0.0000%	29518	4437	6.7	2			0.0000E+00
49	30.914		0.0000	0.0000%	52705	7270	7.2	2			0.0000E+00
50	31.142		0.0000	0.0000%	11443	1643	7.0	2			0.0000E+00

	31.329		0.0000	0.0000%	9758	1460	6.7	2			0.0000E+00
	31.577		0.0000	0.0000%	120651	17342	7.0	3			0.0000E+00
54	32.033		0.0000	0.0000%	8638	1063	8.1	2			0.0000E+00
55	32.334	DBC	44.2657	1.0162%	168077	23754	7.1	2	71	0	2.6337E-04
56	32.709		0.0000	0.0000%	70922	9441	7.5	2			0.0000E+00
57	33.078		0.0000	0.0000%	25050	3263	7.7	2			0.0000E+00
58	33.306		0.0000	0.0000%	26832	3451	7.8	2			0.0000E+00
59	33.929		0.0000	0.0000%	5669	369	15.4	2			0.0000E+00
60	34.203		0.0000	0.0000%	7886	584	13.5	2			0.0000E+00
61	34.679		0.0000	0.0000%	38006	2901	13.1	2			0.0000E+00
62	35.095		0.0000	0.0000%	52302	3034	17.2	2			0.0000E+00
63	35.678		0.0000	0.0000%	233134	10394	22.4	2			0.0000E+00
64	36.368		0.0000	0.0000%	165300	6184	26.7	2			0.0000E+00
65	36.997		0.0000	0.0000%	150770	6568	23.0	2			0.0000E+00
66	37.473		0.0000	0.0000%	12078	976	12.4	2			0.0000E+00
69	38.512		0.0000	0.0000%	11900	706	16.9	1			0.0000E+00
70	39.041		0.0000	0.0000%	12290	856	14.4	1			0.0000E+00
71	40.153	Decachlorobiphenyl	20.4468	0.4694%	124831	7426	16.8	1	71	0	1.6380E-04

TOTAL AMOUNT = 4355.9497

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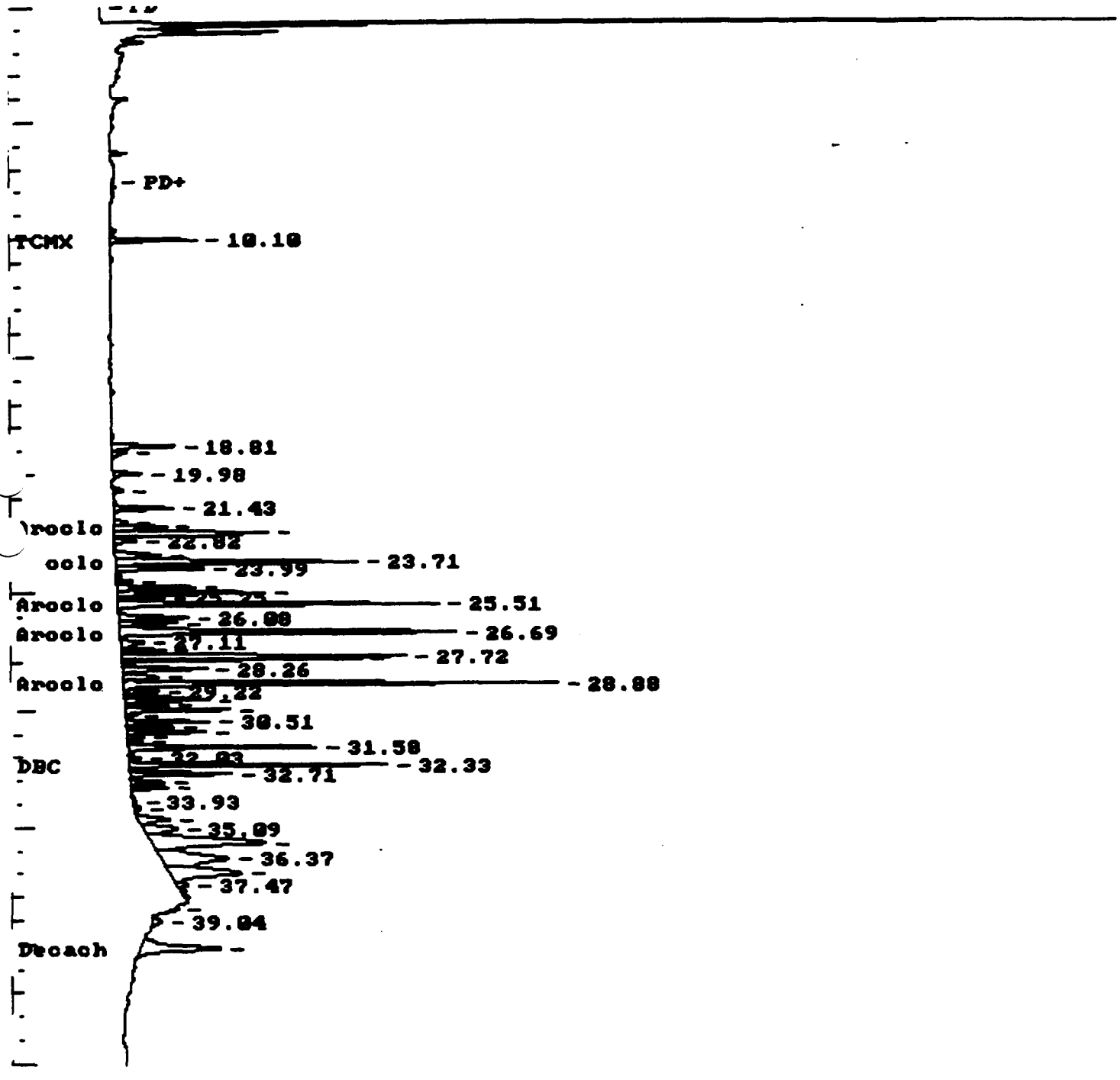

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WLE015

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: AA63453

Sample wt/vol: 30.1 (g/mL) G Lab File ID: ANOVW27

% Moisture: 29. decanted: (Y/N) N Date Received: 10/20/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 11/03/94

Injection Volume: .5 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	33.	U
11104-28-2	Aroclor-1221	67.	U
11141-16-5	Aroclor-1232	33.	U
53469-21-9	Aroclor-1242	33.	U
12672-29-6	Aroclor-1248	33.	U
11097-69-1	Aroclor-1254	32.	J
11096-82-5	Aroclor-1260	33.	U

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:30:17 Version 5.1.5 **********

Sample Name: AA63453 WLE015 Data File: F:ANOVW27

Date: 11-03-1994 18:37:38 Method: E:J1254N1 11-03-1994 11:47:53 # 165

Interface: 1 Cycle#: 27 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 10.00

Sample Weight: 0.02140

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.663	TCMX	16.3570	6.1836%	272946	44833	6.1	1	59	0	5.9927E-05
4	10.432		0.0000	0.0000%	6839	751	9.1	2			0.0000E+00
1	19.249		0.0000	0.0000%	5784	493	11.7	2			0.0000E+00
9	23.108	Aroclor-1254	19.1303	7.2321%	17922	1944	9.2	2	59	0	1.0674E-03
0	23.497	Aroclor-1254	22.2554	8.4135%	24701	2862	8.7	2	59	0	8.9810E-04
1	23.865		0.0000	0.0000%	9943	1099	9.0	2			0.0000E+00
	24.837		0.0000	0.0000%	10121	611	16.6	2			0.0000E+00
	25.252		0.0000	0.0000%	8202	912	9.0	2			0.0000E+00
25	25.574		0.0000	0.0000%	10413	1465	7.1	2			0.0000E+00
7	26.090	Aroclor-1254	23.7269	8.9698%	31445	4499	7.0	2	59	0	7.5455E-04
8	26.431		0.0000	0.0000%	18769	2407	7.8	2			0.0000E+00
29	26.666		0.0000	0.0000%	18280	2796	6.5	2			0.0000E+00
0	26.927		0.0000	0.0000%	26099	3544	7.4	1			0.0000E+00
1	27.356	Aroclor-1254	52.0304	19.6697%	31947	4850	6.6	2	59	0	1.6287E-03
34	28.227		0.0000	0.0000%	12566	1652	7.6	2			0.0000E+00
35	28.555		0.0000	0.0000%	13006	1695	7.7	2			0.0000E+00
6	28.770		0.0000	0.0000%	24275	2976	8.2	2			0.0000E+00
7	28.991		0.0000	0.0000%	15686	2067	7.6	2			0.0000E+00
38	29.225	Aroclor-1254	42.5170	16.0732%	42073	5792	7.3	2	59	0	1.0106E-03
9	29.386		0.0000	0.0000%	14106	2249	6.3	2			0.0000E+00
0	29.654		0.0000	0.0000%	6226	1011	6.2	1			0.0000E+00
41	30.157		0.0000	0.0000%	8200	982	8.3	1			0.0000E+00
42	30.639		0.0000	0.0000%	29031	3978	7.3	2			0.0000E+00
3	30.854		0.0000	0.0000%	14371	2181	6.6	2			0.0000E+00
4	30.987		0.0000	0.0000%	8327	1367	6.1	2			0.0000E+00
45	31.175		0.0000	0.0000%	14112	1555	9.1	2			0.0000E+00
46	31.510	DBC	69.8930	26.4225%	997142	145025	6.9	2	59	0	7.0093E-05
9	32.957		0.0000	0.0000%	12035	1304	9.2	2			0.0000E+00
1	33.312		0.0000	0.0000%	17854	2422	7.4	2			0.0000E+00
54	34.579		0.0000	0.0000%	7249	554	13.1	2			0.0000E+00
	35.731		0.0000	0.0000%	7292	809	9.0	2			0.0000E+00
	40.321	Decachlorobiphenyl	18.6106	7.0356%	449785	33218	13.5	1	59	0	4.1377E-05

TOTAL AMOUNT = 264.5206

reas, times, and heights stored in: F:ANOVW27.ATB
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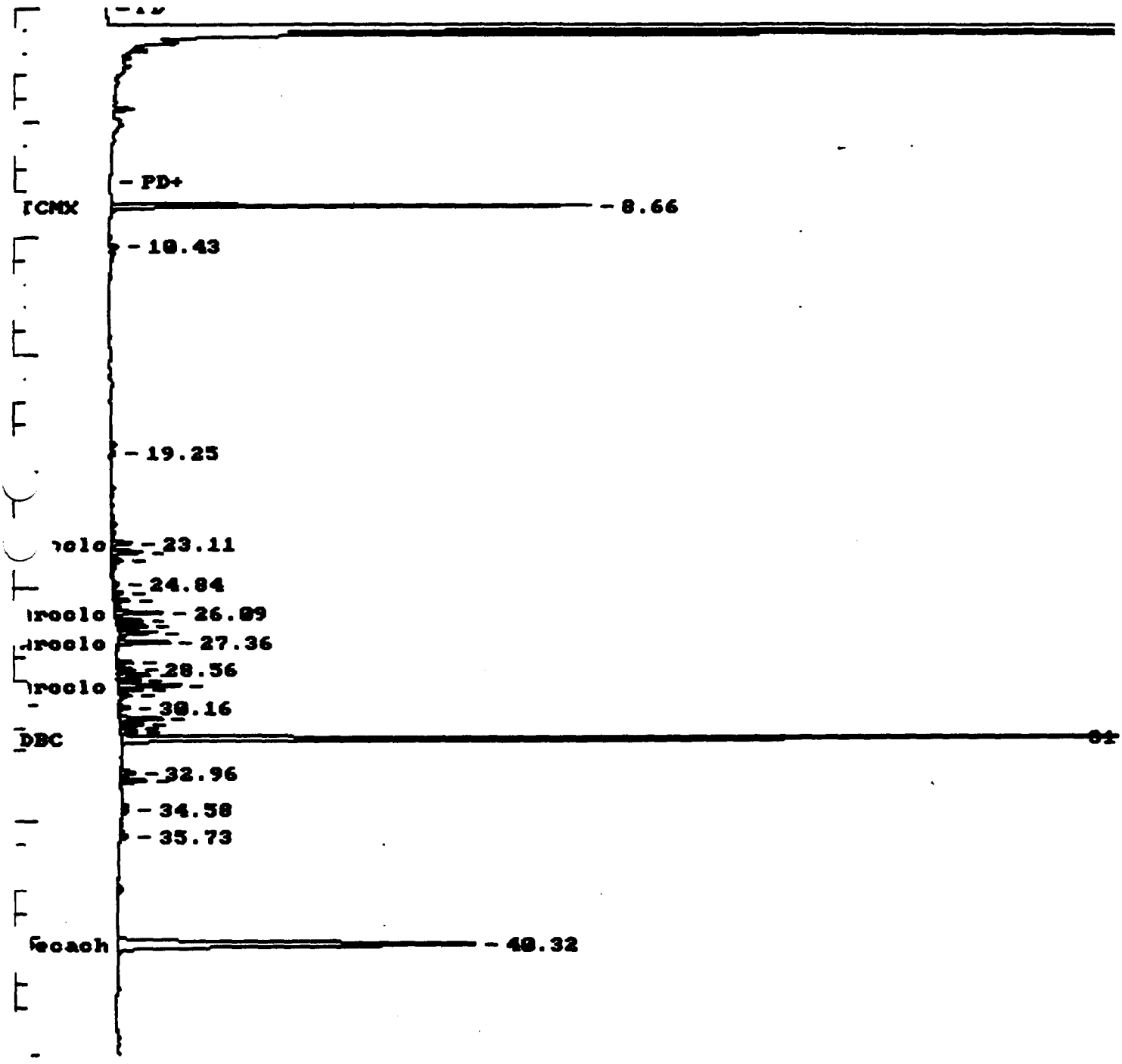
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:19:43 Version 5.1.5 **********

Sample Name: AA63453 WLE015 Data File: F:BNOVW27

Date: 11-03-1994 18:37:38 Method: E:K1254N1 11-03-1994 11:48:59 # 167

Interface: 1 Cycle#: 27 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

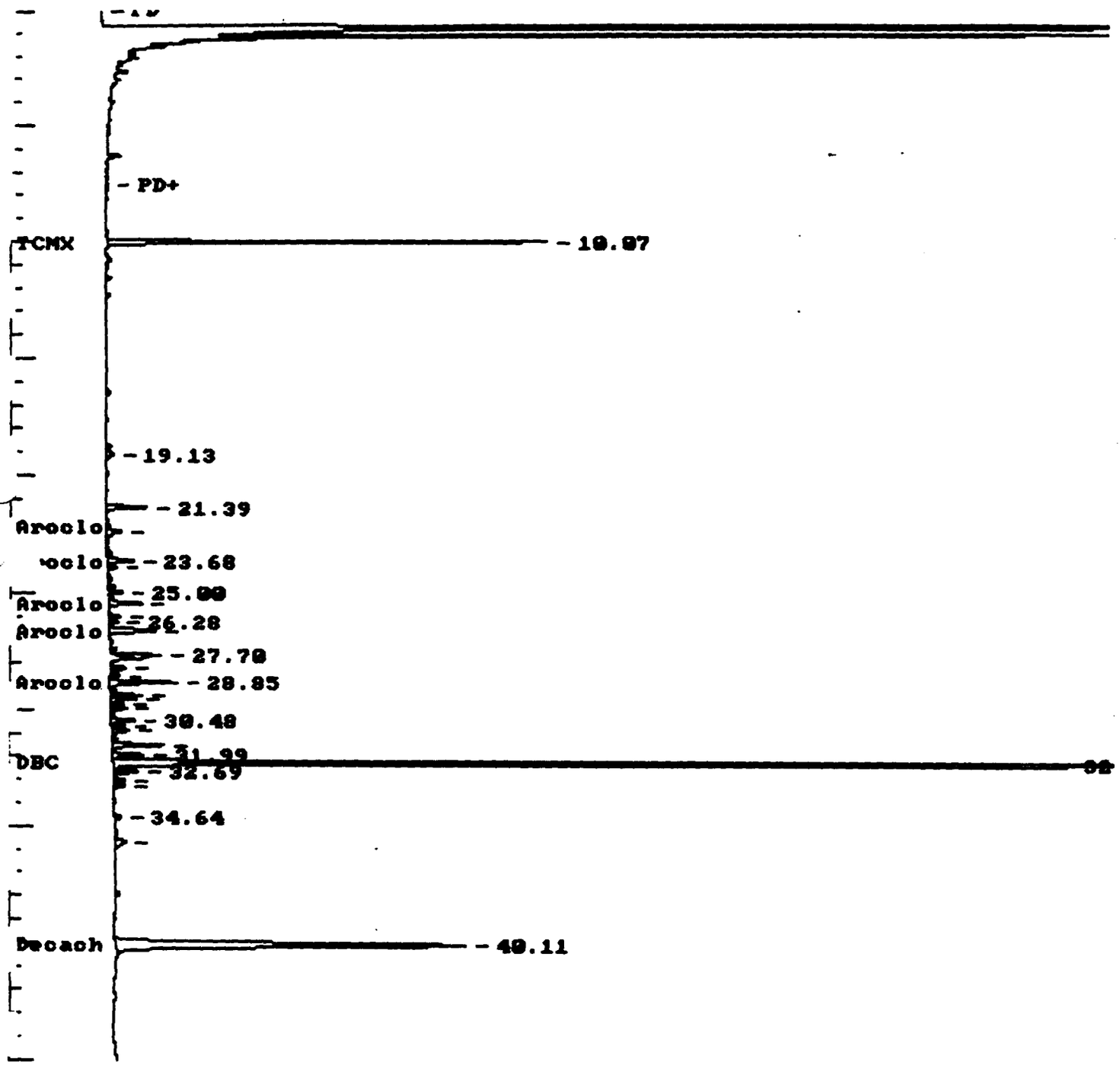
Amount injected: 0.50 Dilution factor: 10.00

Sample Weight: 0.02140

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	10.070	TCMX	15.8863	6.8592%	248812	41171	6.0	1	60	0	6.3849E-05
14	19.129		0.0000	0.0000%	7874	639	12.3	2			0.0000E+00
16	21.386		0.0000	0.0000%	29723	3832	7.8	1			0.0000E+00
19	22.432	Aroclor-1254	13.9094	6.0056%	11530	1374	8.4	2	60	0	1.2064E-03
22	23.678	Aroclor-1254	19.0680	8.2330%	22098	2453	9.0	2	60	0	8.6286E-04
23	23.953		0.0000	0.0000%	6535	839	7.8	2			0.0000E+00
	25.004		0.0000	0.0000%	8860	1274	7.0	2			0.0000E+00
	25.480	Aroclor-1254	20.9403	9.0414%	24767	3054	8.1	2	60	0	8.4547E-04
30	26.063		0.0000	0.0000%	9065	1099	8.2	2			0.0000E+00
31	26.277		0.0000	0.0000%	6162	821	7.5	2			0.0000E+00
32	26.639	Aroclor-1254	35.6374	15.3871%	45275	4352	10.4	2	60	0	7.8713E-04
35	27.698		0.0000	0.0000%	17324	2940	5.9	1			0.0000E+00
36	28.241		0.0000	0.0000%	13285	1434	9.3	2			0.0000E+00
37	28.569		0.0000	0.0000%	8544	878	9.7	2			0.0000E+00
38	28.850	Aroclor-1254	43.8939	18.9520%	48065	6225	7.7	2	60	0	9.1321E-04
40	29.420		0.0000	0.0000%	19491	2918	6.7	2			0.0000E+00
41	29.554		0.0000	0.0000%	16764	2386	7.0	2			0.0000E+00
42	29.761		0.0000	0.0000%	8719	1168	7.5	2			0.0000E+00
43	29.969		0.0000	0.0000%	11111	1441	7.7	2			0.0000E+00
45	30.478		0.0000	0.0000%	14668	2109	7.0	2			0.0000E+00
46	30.699		0.0000	0.0000%	8285	1202	6.9	2			0.0000E+00
47	30.900		0.0000	0.0000%	14716	1588	9.3	2			0.0000E+00
50	31.557		0.0000	0.0000%	34645	4793	7.2	2			0.0000E+00
51	31.986		0.0000	0.0000%	23355	2913	8.0	2			0.0000E+00
52	32.307	DBC	64.1060	27.6790%	983197	142687	6.9	2	60	0	6.5202E-05
53	32.689		0.0000	0.0000%	19359	2322	8.3	2			0.0000E+00
54	33.051		0.0000	0.0000%	8276	994	8.3	2			0.0000E+00
55	33.279		0.0000	0.0000%	7710	983	7.8	2			0.0000E+00
56	34.639		0.0000	0.0000%	6136	583	10.5	1			0.0000E+00
58	35.698		0.0000	0.0000%	14556	968	15.0	2			0.0000E+00
60	40.113	Decachlorobiphenyl	18.1639	7.8426%	447927	32539	13.8	1	60	0	4.0551E-05

TOTAL AMOUNT = 231.6051

reas, times, and heights stored in: F:BNOVW27.ATB
ta File = F:BNOVW27.PTS Printed on 11-04-1994 at 09:19:50
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:12:50 Version 5.1.5 **********

Sample Name: AA63453 1:5 WLE015 Data File: F:ANOVW40

Date: 11-04-1994 06:08:34 Method: E:J1254N1 11-03-1994 11:47:53 # 165

Interface: 1 Cycle#: 40 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

tarting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

mount injected: 0.50 Dilution factor: 50.00

ample Weight: 0.02140

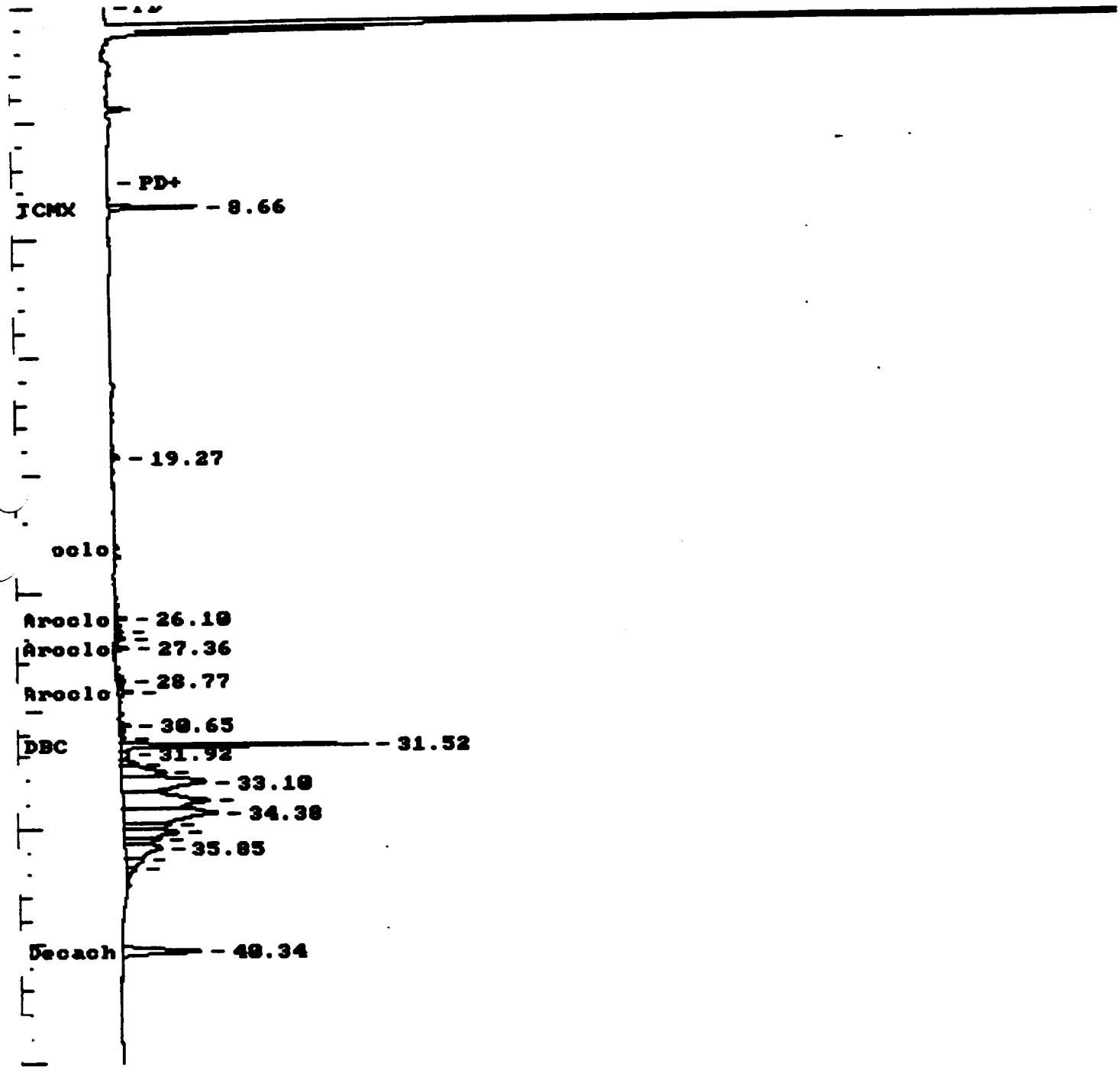
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	15.4399	5.8169%	51529	8192	6.3	1	49	0	2.9964E-04
6	19.269		0.0000	0.0000%	6236	710	8.8	1			0.0000E+00
.7	26.097	Aroclor-1254	27.0262	10.1820%	7164	989	7.2	2	49	0	3.7727E-03
	26.679		0.0000	0.0000%	5852	707	8.3	2			0.0000E+00
0	26.934		0.0000	0.0000%	10326	956	10.8	2			0.0000E+00
1	27.363	Aroclor-1254	90.9298	34.2574%	11166	1277	8.7	2	49	0	8.1433E-03
	28.770		0.0000	0.0000%	8080	841	9.6	2			0.0000E+00
	29.232	Aroclor-1254	52.2671	19.6914%	10344	1365	7.6	2	49	0	5.0528E-03
31	30.646		0.0000	0.0000%	8842	1034	8.6	2			0.0000E+00
4	31.189		0.0000	0.0000%	5671	541	10.5	2			0.0000E+00
5	31.517	DBC	59.3272	22.3512%	169281	22757	7.4	2	49	0	3.5047E-04
36	31.919		0.0000	0.0000%	14577	781	18.7	2			0.0000E+00
7	32.334		0.0000	0.0000%	17142	1551	11.0	2			0.0000E+00
8	32.676		0.0000	0.0000%	77039	4127	18.7	2			0.0000E+00
39	33.098		0.0000	0.0000%	217518	7837	27.8	2			0.0000E+00
40	33.862		0.0000	0.0000%	226078	8035	28.1	2			0.0000E+00
1	34.384		0.0000	0.0000%	247067	8692	28.4	2			0.0000E+00
2	34.820		0.0000	0.0000%	70542	4344	16.2	2			0.0000E+00
43	35.202		0.0000	0.0000%	80369	5079	15.8	2			0.0000E+00
4	35.450		0.0000	0.0000%	45700	3361	13.6	2			0.0000E+00
5	35.852		0.0000	0.0000%	97762	3393	28.8	2			0.0000E+00
6	36.341		0.0000	0.0000%	29663	1587	18.7	2			0.0000E+00
47	36.716		0.0000	0.0000%	19559	979	20.0	2			0.0000E+00
9	40.341	Decachlorobiphenyl	20.4412	7.7011%	98805	7276	13.6	1	49	0	2.0688E-04

TOTAL AMOUNT = 265.4313

PEAKS NOT FOUND IN THIS RUN

AME	ADJUSTED RET.TIME.	REFERENCE PEAK
Aroclor-1254	23.12	Decachlorobiphenyl
oclor-1254	23.51	Decachlorobiphenyl

Areas, times, and heights stored in: F:ANOVW40.ATB
Data File = F:ANOVW40.PTS Printed on 11-04-1994 at 09:12:55
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:24:42 Version 5.1.5 **********

Sample Name: AA63453 1:5 WLE015 Data File: F:BNOVW40

Date: 11-04-1994 06:08:34 Method: E:K1254N1 11-03-1994 11:48:59 # 167

Interface: 1 Cycle#: 40 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

tarting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

mount injected: 0.50 Dilution factor: 50.00

ample Weight: 0.02140

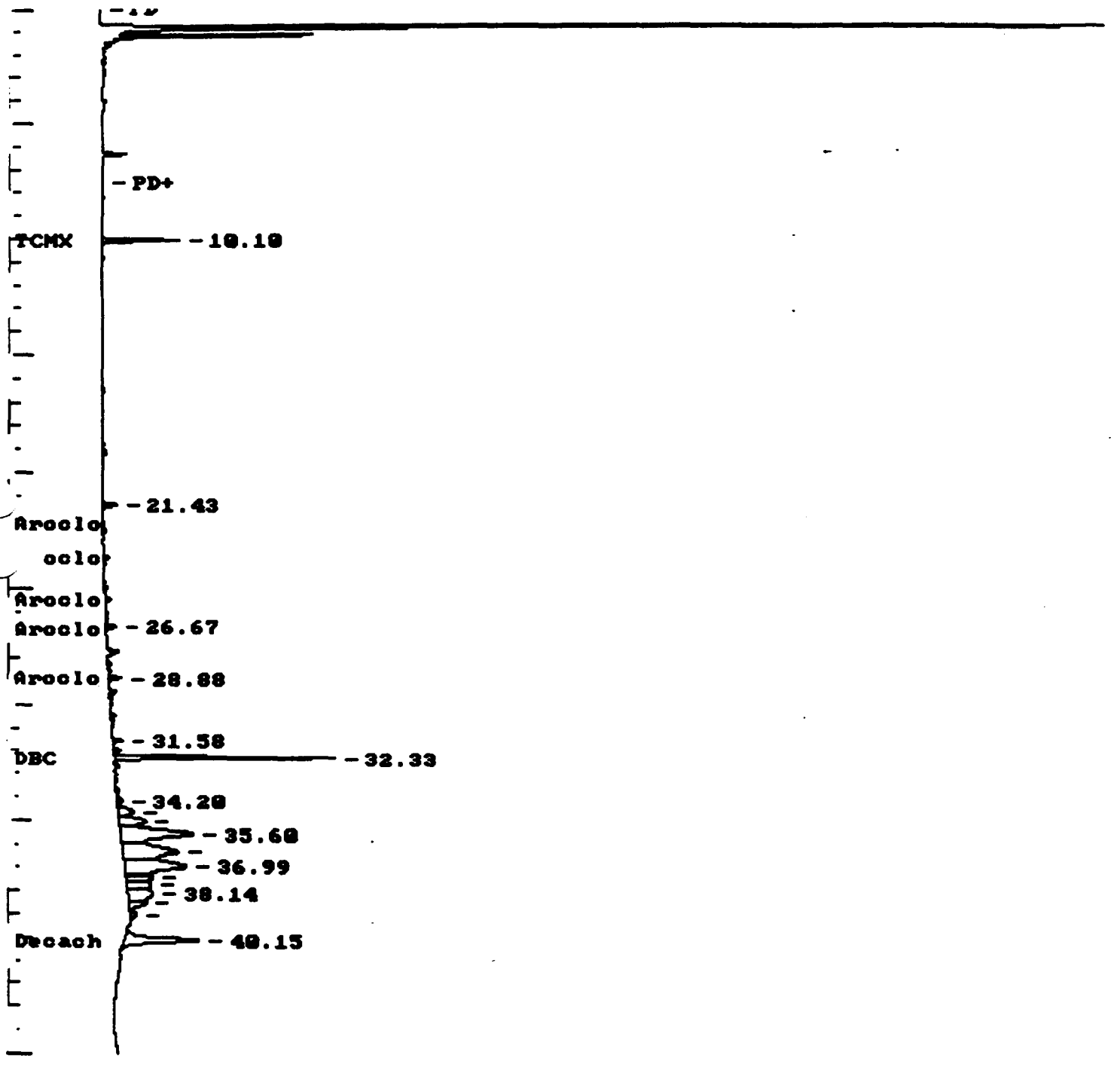
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	10.104	TCMX	14.6021	8.5928%	45740	7207	6.3	1	55	.1541	3.1924E-04
9	21.427		0.0000	0.0000%	10398	1336	7.8	1			0.0000E+00
0	26.666	Aroclor-1254	39.9057	23.4831%	10140	972	10.4	2	55	-.0987	3.9357E-03
26	28.877	Aroclor-1254	44.7403	26.3281%	9798	1319	7.4	2	55	.0192	4.5661E-03
7	31.577		0.0000	0.0000%	6179	920	6.7	1			0.0000E+00
9	32.327	DBC	48.2709	28.4058%	148067	20580	7.2	2	55	0	3.2601E-04
	34.203		0.0000	0.0000%	7698	492	15.7	2			0.0000E+00
	34.666		0.0000	0.0000%	25477	1415	18.0	2			0.0000E+00
46	35.101		0.0000	0.0000%	45890	2460	18.7	2			0.0000E+00
7	35.604		0.0000	0.0000%	165229	6756	24.5	2			0.0000E+00
8	36.368		0.0000	0.0000%	158337	5207	30.4	2			0.0000E+00
49	36.991		0.0000	0.0000%	158774	5792	27.4	2			0.0000E+00
0	37.466		0.0000	0.0000%	41429	2544	16.3	2			0.0000E+00
1	37.741		0.0000	0.0000%	39793	2347	17.0	2			0.0000E+00
52	38.143		0.0000	0.0000%	66058	2424	27.3	2			0.0000E+00
53	38.518		0.0000	0.0000%	28236	1692	16.7	2			0.0000E+00
4	39.048		0.0000	0.0000%	11081	673	16.5	2			0.0000E+00
5	40.153	Decachlorobiphenyl	22.4145	13.1901%	110550	7076	15.6	1	55	0	2.0276E-04

TOTAL AMOUNT = 169.9334

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
roclor-1254	22.45	Decachlorobiphenyl
roclor-1254	23.70	Decachlorobiphenyl
Aroclor-1254	25.50	Decachlorobiphenyl

Areas, times, and heights stored in: F:BNOVW40.ATB
Data File = F:BNOVW40.PTS Printed on 11-04-1994 at 09:24:48
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WLW016

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: AA63454

Sample wt/vol: 30.2 (g/mL) G Lab File ID: ANOVW41

% Moisture: 13. decanted: (Y/N) N Date Received: 10/20/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume:10000.0 (uL) Date Analyzed: 11/04/94

Injection Volume: .5 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	190.	U
11104-28-2	Aroclor-1221	380.	U
11141-16-5	Aroclor-1232	190.	U
53469-21-9	Aroclor-1242	190.	U
12672-29-6	Aroclor-1248	190.	U
11097-69-1	Aroclor-1254	350.	
11096-82-5	Aroclor-1260	190.	U

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:13:10 Version 5.1.5 **********

Sample Name: AA63454 1:5 WLW016 Data File: F:ANOVW41 *

* Date: 11-04-1994 07:01:43 Method: E:J1254N1 11-03-1994 11:47:53 # 165*

* Interface: 1 Cycle#: 41 Operator MAC Channel#: 0 Vial#: N.A. *

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *

Solvent Description: DB-1;3.0 u film thickness *

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *

* Detector 0: FID Detector 1: - *

* Misc. Information: *

****

tarting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

ample Weight: 0.02626

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	13.8456	0.6703%	56702	9009	6.3	1	59	.0497	2.4418E-04
6	18.874		0.0000	0.0000%	23515	3036	7.7	1			0.0000E+00
9	20.757		0.0000	0.0000%	10818	1389	7.8	1			0.0000E+00
.2	22.318		0.0000	0.0000%	18326	2341	7.8	2			0.0000E+00
)	22.646		0.0000	0.0000%	5394	725	7.4	2			0.0000E+00
.4	23.122	Aroclor-1254	288.6165	13.9729%	66359	8266	8.0	2	59	0	4.3493E-03
-	23.504	Aroclor-1254	313.7603	15.1902%	85740	10278	8.3	2	59	0	3.6594E-03
	23.872		0.0000	0.0000%	30431	3807	8.0	2			0.0000E+00
17	24.160		0.0000	0.0000%	6923	806	8.6	2			0.0000E+00
9	24.844		0.0000	0.0000%	27842	2897	9.6	2			0.0000E+00
0	25.266		0.0000	0.0000%	33003	3758	8.8	2			0.0000E+00
21	25.581		0.0000	0.0000%	45542	6125	7.4	2			0.0000E+00
-2	25.889		0.0000	0.0000%	16138	2196	7.3	2			0.0000E+00
3	26.097	Aroclor-1254	364.6842	17.6556%	118615	16347	7.3	2	59	0	3.0745E-03
24	26.465		0.0000	0.0000%	34910	3460	10.1	2			0.0000E+00
25	26.679		0.0000	0.0000%	72235	9902	7.3	2			0.0000E+00
6	26.934		0.0000	0.0000%	84941	9368	9.1	3			0.0000E+00
7	27.162		0.0000	0.0000%	8336	1310	6.4	4			0.0000E+00
28	27.363	Aroclor-1254	547.7615	26.5190%	82541	11445	7.2	2	59	0	6.6362E-03
29	27.691		0.0000	0.0000%	5716	779	7.3	2			0.0000E+00
1	28.234		0.0000	0.0000%	22081	3271	6.8	2			0.0000E+00
.2	28.562		0.0000	0.0000%	32995	4807	6.9	2			0.0000E+00
33	28.777		0.0000	0.0000%	59068	7559	7.8	2			0.0000E+00
4	28.998		0.0000	0.0000%	40203	5064	7.9	2			0.0000E+00
5	29.232	Aroclor-1254	455.0425	22.0301%	110509	14944	7.4	2	59	0	4.1177E-03
36	29.386		0.0000	0.0000%	24817	3942	6.3	2			0.0000E+00
37	29.661		0.0000	0.0000%	18275	2283	8.0	2			0.0000E+00
8	29.795		0.0000	0.0000%	7636	1193	6.4	2			0.0000E+00
9	30.190		0.0000	0.0000%	8097	852	9.5	2			0.0000E+00
40	30.653		0.0000	0.0000%	9193	1011	9.1	2			0.0000E+00
1	30.867		0.0000	0.0000%	23439	3656	6.4	2			0.0000E+00
	30.994		0.0000	0.0000%	26309	4040	6.5	2			0.0000E+00
43	31.168		0.0000	0.0000%	29576	3139	9.4	2			0.0000E+00
	31.510	DBC	64.7072	3.1327%	226562	24870	9.1	3	59	0	2.8560E-04
	2.321		0.0000	0.0000%	8451	888	9.5	2			0.0000E+00
7	32.683		0.0000	0.0000%	54406	3000	18.1	2			0.0000E+00
48	33.004		0.0000	0.0000%	71996	6774	10.6	2			0.0000E+00
49	33.118		0.0000	0.0000%	64409	6672	9.7	2			0.0000E+00

50	33.319		0.0000	0.0000%	73304	7410	9.9	2			0.0000E+00
	33.862		0.0000	0.0000%	162056	6168	26.3	2			0.0000E+00
	34.391		0.0000	0.0000%	185508	7054	26.3	2			0.0000E+00
3	34.827		0.0000	0.0000%	44983	2875	15.6	2			0.0000E+00
54	35.209		0.0000	0.0000%	48793	3332	14.6	2			0.0000E+00
55	35.483		0.0000	0.0000%	25580	2065	12.4	2			0.0000E+00
6	35.758		0.0000	0.0000%	45572	2481	18.4	2			0.0000E+00
59	40.334	Decachlorobiphenyl	17.1297	0.8293%	101602	7463	13.6	1	59	0	1.6860E-04

TOTAL AMOUNT = 2065.5474

reas, times, and heights stored in: F:ANOVW41.ATB
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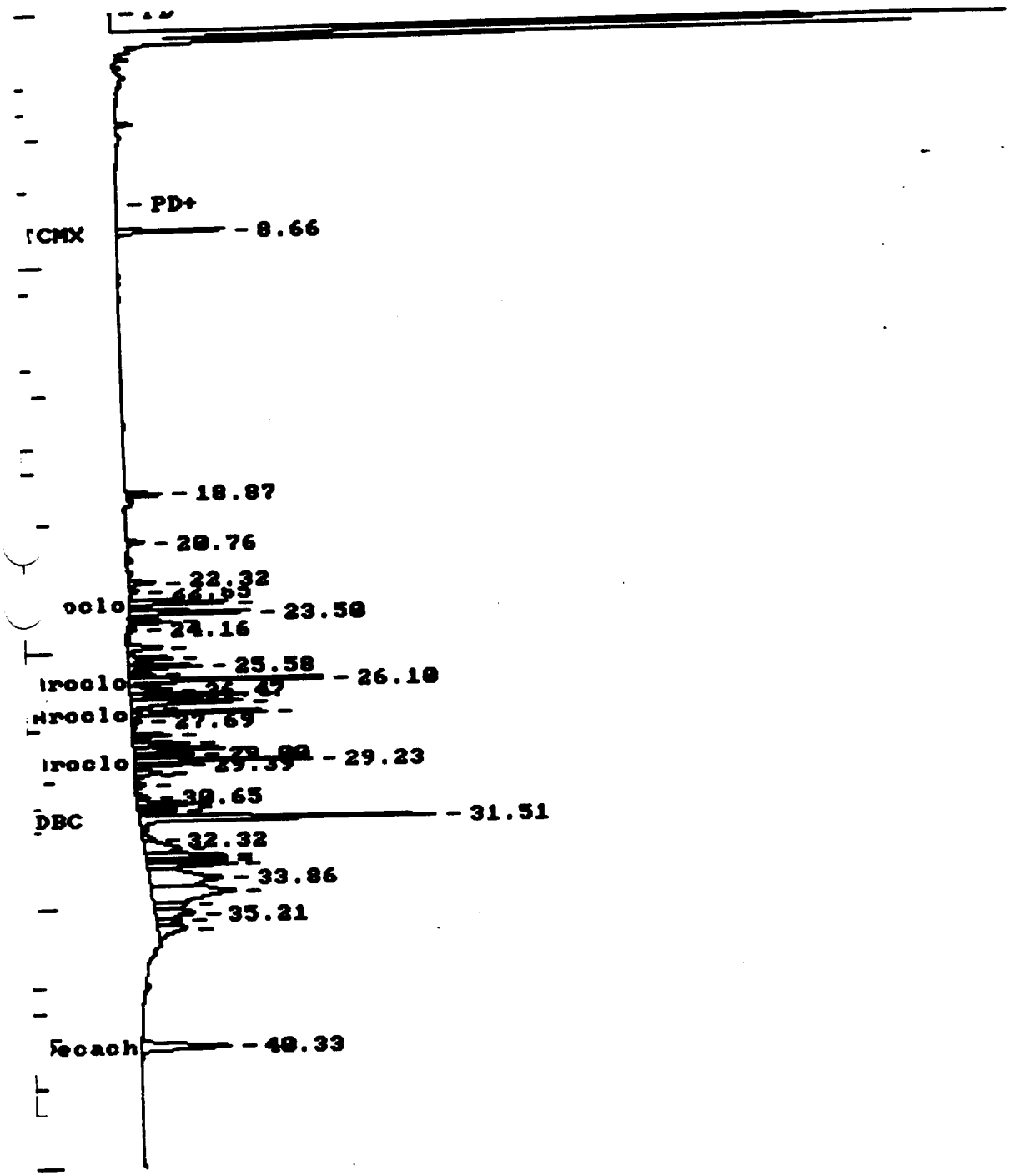

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:29:09 Version 5.1.5 **********

* Sample Name: AA63454 1:5 WLW016 Data File: F:BNOVW41 *

* Date: 11-04-1994 07:01:43 Method: E:K1254N1 11-03-1994 11:48:59 # 167*

* Interface: 1 Cycle#: 41 Operator MAC Channel#: 1 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *

* Solvent Description: DB-1;3.0 u film thickness *

* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *

* Detector 0: FID Detector 1: *

* Misc. Information: *

Starting Delay: 0.00

Area reject: 5000

Amount injected: 0.50

Sample Weight: 0.02626

Ending retention time: 45.00

One sample per 0.402 sec.

Dilution factor: 50.00

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	10.104	TCMX	13.1288	0.7187%	50464	7984	6.3	1	69	.1374	2.6016E-04
10	18.814		0.0000	0.0000%	23387	2877	8.1	2			0.0000E+00
11	19.108		0.0000	0.0000%	11887	820	14.5	2			0.0000E+00
12	19.979		0.0000	0.0000%	9365	1219	7.7	1			0.0000E+00
15	21.427		0.0000	0.0000%	25383	3252	7.8	1			0.0000E+00
17	22.231		0.0000	0.0000%	18365	2174	8.4	2			0.0000E+00
	22.465	Aroclor-1254	270.3977	14.8029%	55007	6433	8.6	2	69	0	4.9157E-03
	22.820		0.0000	0.0000%	7398	910	8.1	2			0.0000E+00
20	23.410		0.0000	0.0000%	15999	1741	9.2	2			0.0000E+00
21	23.711	Aroclor-1254	305.9165	16.7474%	87010	9151	9.5	2	69	0	3.5159E-03
22	23.986		0.0000	0.0000%	25605	3293	7.8	2			0.0000E+00
25	24.790		0.0000	0.0000%	21450	2927	7.3	2			0.0000E+00
26	25.038		0.0000	0.0000%	41132	5523	7.4	2			0.0000E+00
27	25.246		0.0000	0.0000%	12820	1767	7.3	2			0.0000E+00
28	25.507	Aroclor-1254	336.8008	18.4381%	97765	12280	8.0	2	69	0	3.4450E-03
29	26.083		0.0000	0.0000%	25080	2735	9.2	2			0.0000E+00
30	26.304		0.0000	0.0000%	16572	2174	7.6	2			0.0000E+00
31	26.679	Aroclor-1254	402.9860	22.0614%	125647	11847	10.6	2	69	0	3.2073E-03
33	27.463		0.0000	0.0000%	8528	1415	6.0	1			0.0000E+00
34	27.725		0.0000	0.0000%	75061	10589	7.1	2			0.0000E+00
35	27.839		0.0000	0.0000%	58132	8474	6.9	2			0.0000E+00
36	28.261		0.0000	0.0000%	27176	3080	8.8	2			0.0000E+00
37	28.629		0.0000	0.0000%	15505	1524	10.2	2			0.0000E+00
38	28.877	Aroclor-1254	437.1481	23.9316%	117481	15783	7.4	2	69	0	3.7210E-03
39	29.225		0.0000	0.0000%	8648	1219	7.1	2			0.0000E+00
40	29.447		0.0000	0.0000%	8348	1501	5.6	2			0.0000E+00
41	29.581		0.0000	0.0000%	24066	3423	7.0	2			0.0000E+00
42	29.781		0.0000	0.0000%	10522	1628	6.5	2			0.0000E+00
43	29.989		0.0000	0.0000%	26875	3773	7.1	3			0.0000E+00
45	30.505		0.0000	0.0000%	21724	3270	6.6	2			0.0000E+00
46	30.720		0.0000	0.0000%	11944	1841	6.5	2			0.0000E+00
47	30.914		0.0000	0.0000%	20668	2790	7.4	2			0.0000E+00
50	31.577		0.0000	0.0000%	49086	7175	6.8	3			0.0000E+00
	32.026		0.0000	0.0000%	6322	822	7.7	2			0.0000E+00
	32.327	DBC	40.6753	2.2268%	153103	21665	7.1	2	69	0	2.6567E-04
	32.709		0.0000	0.0000%	29029	3869	7.5	2			0.0000E+00
55	33.078		0.0000	0.0000%	9560	1314	7.3	2			0.0000E+00
56	33.312		0.0000	0.0000%	10830	1447	7.5	2			0.0000E+00

57	33.895		0.0000	0.0000%	5262	294	17.9	2			0.0000E+00
	34.203		0.0000	0.0000%	10563	683	15.5	2			0.0000E+00
	34.679		0.0000	0.0000%	39942	2440	16.4	2			0.0000E+00
60	35.095		0.0000	0.0000%	66627	3524	18.9	2			0.0000E+00
61	35.617		0.0000	0.0000%	240557	9971	24.1	2			0.0000E+00
62	36.368		0.0000	0.0000%	230469	7445	31.0	2			0.0000E+00
63	36.991		0.0000	0.0000%	228327	8351	27.3	2			0.0000E+00
64	37.466		0.0000	0.0000%	61848	3682	16.8	2			0.0000E+00
65	37.734		0.0000	0.0000%	50986	3378	15.1	2			0.0000E+00
66	38.170		0.0000	0.0000%	98318	3524	27.9	2			0.0000E+00
67	38.512		0.0000	0.0000%	43103	2464	17.5	2			0.0000E+00
68	39.028		0.0000	0.0000%	16309	957	17.0	2			0.0000E+00
69	40.160	Decachlorobiphenyl	19.6000	1.0730%	118622	7366	16.1	1	69	0	1.6523E-04

TOTAL AMOUNT = 1826.6531

Areas, times, and heights stored in: F:BNOVW41.ATB
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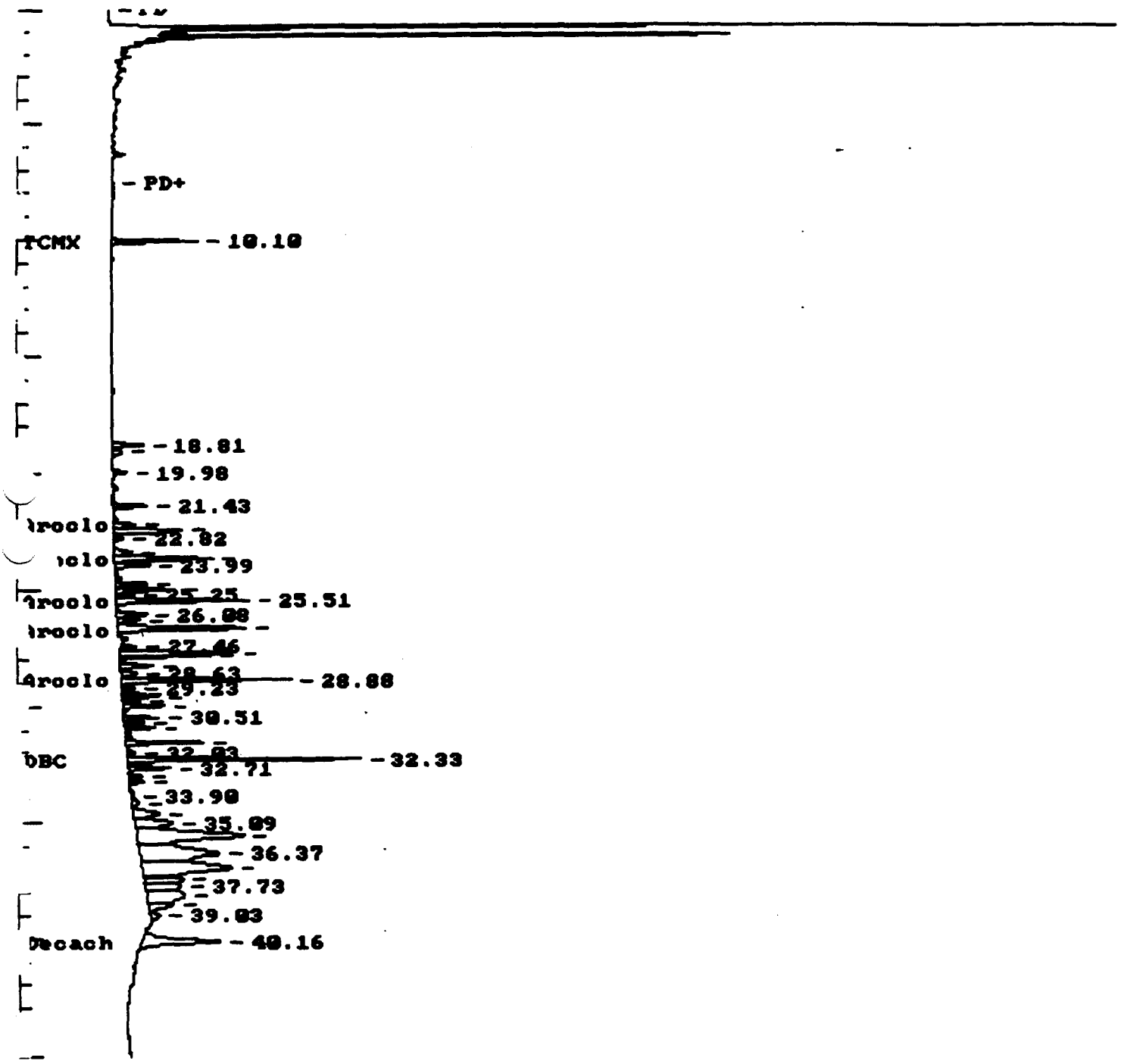

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

WLN027

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: AA63455

Sample wt/vol: 30.1 (g/mL) G Lab File ID: ANOVW42

% Moisture: 14. decanted: (Y/N) N Date Received: 10/20/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume:10000.0 (uL) Date Analyzed: 11/04/94

Injection Volume: .5 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	190.	U
11104-28-2	Aroclor-1221	390.	U
11141-16-5	Aroclor-1232	190.	U
53469-21-9	Aroclor-1242	190.	U
12672-29-6	Aroclor-1248	190.	U
11097-69-1	Aroclor-1254	770.	
11096-82-5	Aroclor-1260	190.	U

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:13:33 Version 5.1.5 **********

Sample Name: AA63455 1:5 WLN027 Data File: F:ANOVW42

Date: 11-04-1994 07:54:56 Method: E:J1254N1 11-03-1994 11:47:53 # 165

Interface: 1 Cycle#: 42 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

Sample Weight: 0.02589

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	14.9438	0.3481%	60337	9577	6.3	1	64	0	2.4767E-04
8	18.874		0.0000	0.0000%	44672	5481	8.1	2			0.0000E+00
9	19.142		0.0000	0.0000%	17561	1475	11.9	2			0.0000E+00
1	20.757		0.0000	0.0000%	20328	2485	8.2	2			0.0000E+00
13	21.474		0.0000	0.0000%	7701	821	9.4	1			0.0000E+00
5	21.983		0.0000	0.0000%	9509	1211	7.9	2			0.0000E+00
	22.318		0.0000	0.0000%	40856	5146	7.9	1			0.0000E+00
	22.646		0.0000	0.0000%	9387	1330	7.1	1			0.0000E+00
18	23.122	Aroclor-1254	604.1552	14.0738%	136951	17077	8.0	2	64	0	4.4115E-03
9	23.504	Aroclor-1254	732.6544	17.0672%	197389	23980	8.2	2	64	0	3.7117E-03
20	23.872		0.0000	0.0000%	74227	9428	7.9	2			0.0000E+00
21	24.167		0.0000	0.0000%	12474	1500	8.3	2			0.0000E+00
3	24.844		0.0000	0.0000%	57674	6193	9.3	2			0.0000E+00
4	25.266		0.0000	0.0000%	74630	8786	8.5	2			0.0000E+00
25	25.581		0.0000	0.0000%	101317	13983	7.2	2			0.0000E+00
26	25.889		0.0000	0.0000%	34276	4790	7.2	2			0.0000E+00
7	26.103	Aroclor-1254	774.6901	18.0464%	248422	34817	7.1	2	64	0	3.1184E-03
8	26.452		0.0000	0.0000%	75800	7788	9.7	2			0.0000E+00
29	26.679		0.0000	0.0000%	186750	25598	7.3	2			0.0000E+00
30	26.941		0.0000	0.0000%	156278	17342	9.0	2			0.0000E+00
1	27.162		0.0000	0.0000%	23597	3903	6.0	2			0.0000E+00
32	27.363	Aroclor-1254	1085.1372	25.2783%	161213	21795	7.4	3	64	0	6.7311E-03
33	27.691		0.0000	0.0000%	15959	2076	7.7	4			0.0000E+00
4	27.926		0.0000	0.0000%	5342	746	7.2	2			0.0000E+00
5	28.234		0.0000	0.0000%	41915	6288	6.7	2			0.0000E+00
36	28.562		0.0000	0.0000%	75989	11473	6.6	2			0.0000E+00
37	28.770		0.0000	0.0000%	113099	14986	7.5	2			0.0000E+00
8	28.998		0.0000	0.0000%	77200	9641	8.0	2			0.0000E+00
39	29.232	Aroclor-1254	988.0700	23.0171%	236577	31940	7.4	2	64	0	4.1765E-03
40	29.386		0.0000	0.0000%	20802	3847	5.4	2			0.0000E+00
	29.674		0.0000	0.0000%	24128	3183	7.6	2			0.0000E+00
2	29.795		0.0000	0.0000%	21219	2935	7.2	2			0.0000E+00
43	30.190		0.0000	0.0000%	6436	705	9.1	2			0.0000E+00
	30.646		0.0000	0.0000%	9866	1137	8.7	2			0.0000E+00
	30.867		0.0000	0.0000%	21956	3779	5.8	2			0.0000E+00
6	30.994		0.0000	0.0000%	61349	9182	6.7	2			0.0000E+00
47	31.128		0.0000	0.0000%	53050	6339	8.4	2			0.0000E+00
8	31.517	DBC	75.2817	1.7537%	259873	27886	9.3	3	64	0	2.8969E-04

48	31.919		0.0000	0.0000%	16191	1135	14.3	4			0.0000E+00
[illegible]	32.327		0.0000	0.0000%	24119	2258	10.7	2			0.0000E+00
[illegible]	32.683		0.0000	0.0000%	115460	6079	19.0	2			0.0000E+00
52	33.098		0.0000	0.0000%	238417	11989	19.9	2			0.0000E+00
53	33.312		0.0000	0.0000%	123567	11422	10.8	2			0.0000E+00
54	33.862		0.0000	0.0000%	335211	11903	28.2	2			0.0000E+00
55	34.391		0.0000	0.0000%	358908	12735	28.2	2			0.0000E+00
56	34.827		0.0000	0.0000%	105635	6342	16.7	2			0.0000E+00
57	35.209		0.0000	0.0000%	116383	7526	15.5	2			0.0000E+00
58	35.456		0.0000	0.0000%	67941	5107	13.3	2			0.0000E+00
59	35.832		0.0000	0.0000%	151332	5175	29.2	2			0.0000E+00
60	36.368		0.0000	0.0000%	41342	2379	17.4	2			0.0000E+00
61	36.736		0.0000	0.0000%	29912	1461	20.5	2			0.0000E+00
62	37.460		0.0000	0.0000%	5095	392	13.0	2			0.0000E+00
64	40.341	Decachlorobiphenyl	17.8304	0.4154%	104268	7688	13.6	1	64	0	1.7100E-04

TOTAL AMOUNT = 4292.7627

reas, times, and heights stored in: F:ANOVW42.ATB
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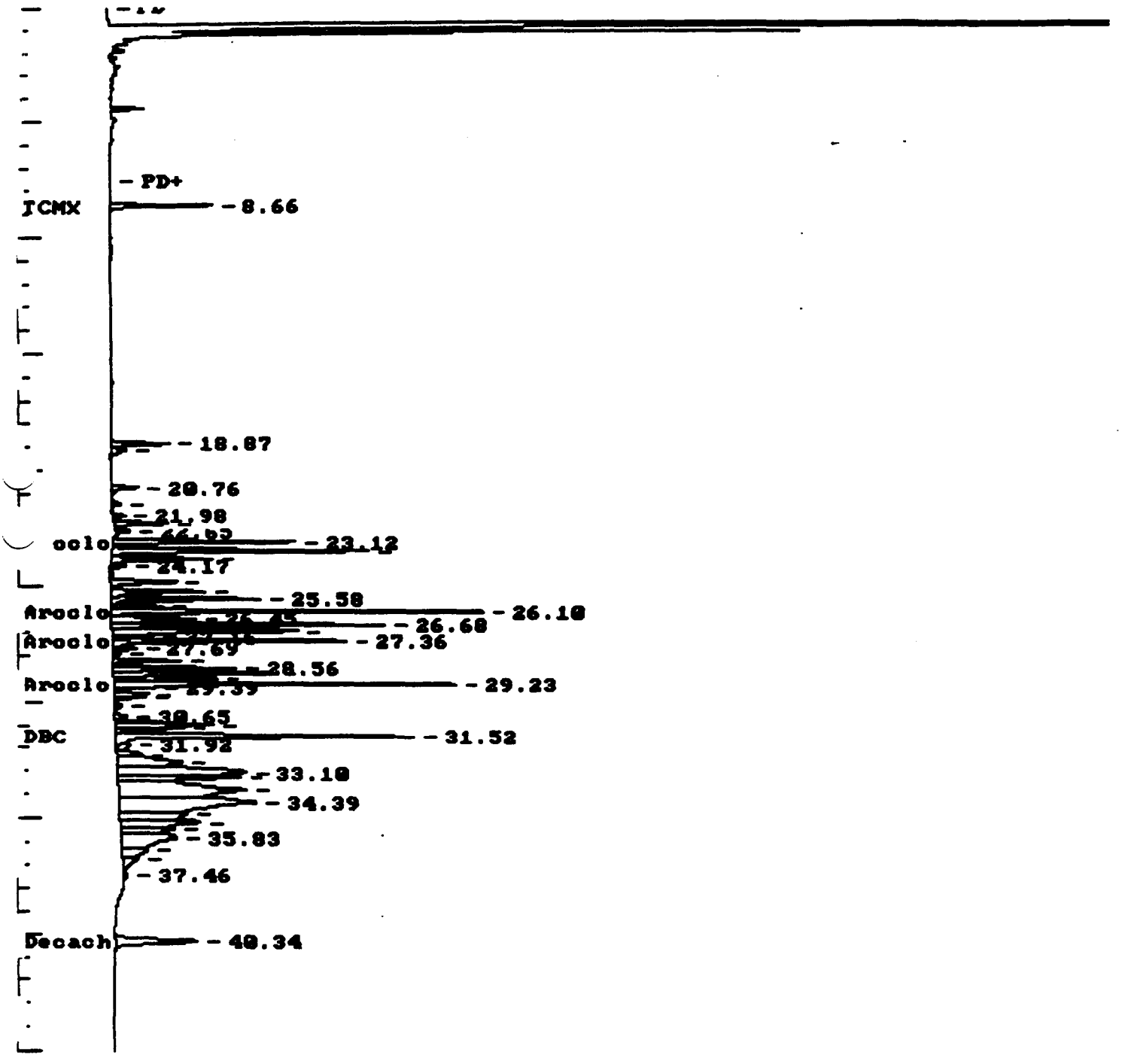

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:29:31 Version 5.1.5 **********

Sample Name: AA63455 1:5 WLN027 Data File: F:BNOVW42

Date: 11-04-1994 07:54:56 Method: E:K1254N1 11-03-1994 11:48:59 # 167

Interface: 1 Cycle#: 42 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 50.00

Sample Weight: 0.02589

PEAK UM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	10.104	TCMX	13.7942	0.3519%	52275	8316	6.3	1	74	.1541	2.6388E-04
3	18.814		0.0000	0.0000%	39291	4842	8.1	2			0.0000E+00
1	19.075		0.0000	0.0000%	15946	1313	12.1	2			0.0000E+00
:	9.979		0.0000	0.0000%	15982	2080	7.7	1			0.0000E+00
16	20.676		0.0000	0.0000%	7079	799	8.9	1			0.0000E+00
1	21.427		0.0000	0.0000%	21057	2723	7.7	1			0.0000E+00
	010		0.0000	0.0000%	9345	1180	7.9	2			0.0000E+00
21	224		0.0000	0.0000%	40161	4846	8.3	2			0.0000E+00
22	22.465	Aroclor-1254	545.4099	13.9138%	109389	12715	8.6	2	74	0	4.9859E-03
3	22.820		0.0000	0.0000%	17162	2093	8.2	2			0.0000E+00
4	23.410		0.0000	0.0000%	35492	3948	9.0	2			0.0000E+00
25	23.711	Aroclor-1254	695.1878	17.7347%	194943	20872	9.3	2	74	0	3.5661E-03
5	23.986		0.0000	0.0000%	63659	8183	7.8	2			0.0000E+00
3	24.529		0.0000	0.0000%	10740	1462	7.3	2			0.0000E+00
29	24.790		0.0000	0.0000%	50883	6852	7.4	2			0.0000E+00
30	25.031		0.0000	0.0000%	93603	12655	7.4	2			0.0000E+00
1	25.246		0.0000	0.0000%	28791	3877	7.4	2			0.0000E+00
2	25.507	Aroclor-1254	717.1909	18.2960%	205250	26483	7.8	2	74	0	3.4942E-03
33	26.070		0.0000	0.0000%	43949	4788	9.2	2			0.0000E+00
1	26.304		0.0000	0.0000%	33661	4439	7.6	2			0.0000E+00
5	26.700	Aroclor-1254	910.4789	23.2269%	279879	27508	10.2	2	74	0	3.2531E-03
36	27.115		0.0000	0.0000%	10270	1326	7.7	1			0.0000E+00
37	27.457		0.0000	0.0000%	17222	2853	6.0	1			0.0000E+00
3	27.725		0.0000	0.0000%	138723	19745	7.0	2			0.0000E+00
3	27.839		0.0000	0.0000%	132126	18673	7.1	2			0.0000E+00
40	28.254		0.0000	0.0000%	42319	5601	7.6	2			0.0000E+00
41	28.562		0.0000	0.0000%	14290	2716	5.3	2			0.0000E+00
	28.642		0.0000	0.0000%	20139	2954	6.8	2			0.0000E+00
43	28.877	Aroclor-1254	972.5814	24.8112%	257692	33983	7.6	2	74	.0192	3.7742E-03
44	29.212		0.0000	0.0000%	15428	2220	6.9	2			0.0000E+00
	1.440		0.0000	0.0000%	24938	3741	6.7	2			0.0000E+00
1	29.574		0.0000	0.0000%	20336	3066	6.6	2			0.0000E+00
47	29.781		0.0000	0.0000%	12587	1871	6.7	2			0.0000E+00
48	39		0.0000	0.0000%	61626	8557	7.2	3			0.0000E+00
	05		0.0000	0.0000%	21134	3161	6.7	2			0.0000E+00
51	30.720		0.0000	0.0000%	11773	1839	6.4	2			0.0000E+00
52	30.914		0.0000	0.0000%	39927	5692	7.0	2			0.0000E+00
	31.142		0.0000	0.0000%	8128	1221	6.7	2			0.0000E+00

eas, times, and heights stored in: F:BNOVW42.ATB
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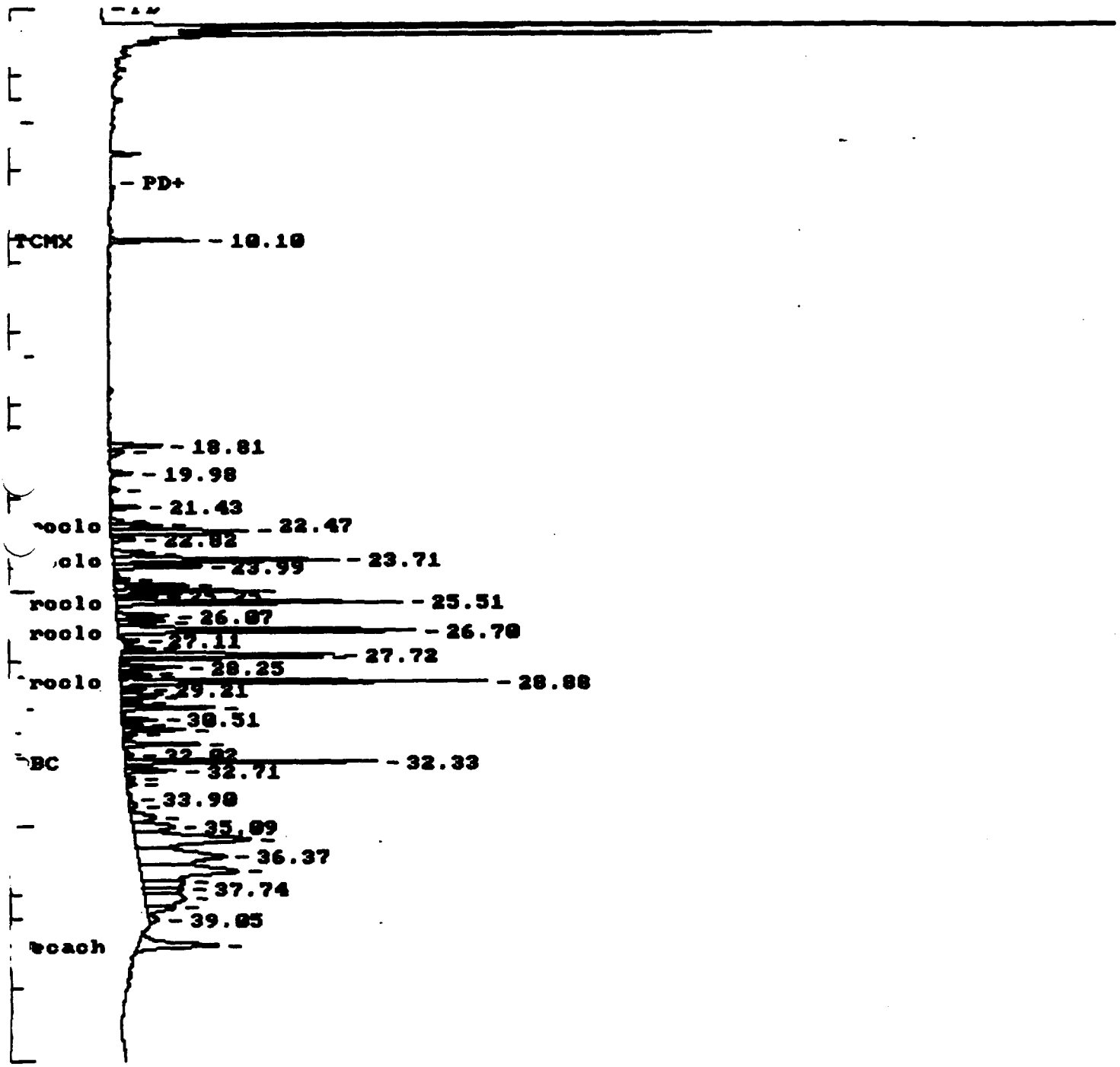
ull Range: 100 millivolts



6D
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Instrument ID: HP 2 Level (x low): low 1.0 mid 4.0 high 8.0

GC Column: DB5 ID: .53 (mm) Date(s) Analyzed: 11/03/94 11/03/94

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	12.03	12.03	12.05	12.04	11.99	12.09
beta-BHC	13.35	13.36	13.37	13.36	13.31	13.41
delta-BHC	14.93	14.94	14.94	14.94	14.89	14.99
gamma-BHC	13.73	13.73	13.74	13.73	13.68	13.78
Heptachlor	17.70	17.70	17.71	17.71	17.66	17.76
Aldrin	19.64	19.65	19.65	19.65	19.60	19.70
Heptachlor epoxide	22.15	22.16	22.16	22.16	22.09	22.23
Endosulfan I	23.85	23.85	23.87	23.86	23.79	23.93
Dieldrin	25.16	25.16	25.16	25.16	25.09	25.23
4,4'-DDE	25.15	25.15	25.15	25.15	25.08	25.22
Endrin	26.16	26.16	26.12	26.16	26.09	26.23
Endosulfan II	26.57	26.58	26.59	26.58	26.51	26.65
4,4'-DDD	27.05	27.05	27.07	27.06	26.99	27.13
Endosulfan sulfate	28.45	28.46	28.47	28.46	28.39	28.53
4,4'-DDT	28.67	28.68	28.68	28.68	28.61	28.75
Methoxychlor	31.01	31.02	31.03	31.02	30.95	31.09
Endrin ketone	30.34	30.36	30.36	30.35	30.28	30.42
Endrin Aldehyde	27.42	27.44	27.44	27.43	27.36	27.50
alpha-Chlordane	24.03	24.03	24.04	24.03	23.96	24.10
gamma-Chlordane	23.22	23.23	23.23	23.22	23.15	23.29
TCMX	10.08	10.08	10.10	10.09	10.04	10.14
Decachlorobiphenyl	40.13	40.13	40.15	40.14	40.04	40.24

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +-0.07 minutes for all other compounds, except +-0.10 minutes for Decachlorobiphenyl.

6E
PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Instrument ID: HP 2 Level (x low): low 1.0 mid 4.0 high 8.0

GC Column: DB5 ID: .53 (mm) Date(s) Analyzed: 11/03/94 11/03/94

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	9603136.	10754060.	12584690.	10980630.	13.7
beta-BHC	8001568.	8268176.	8947015.	8405586.	5.8
delta-BHC	8632788.	9468628.	10903750.	9668389.	11.9
gamma-BHC	9995812.	11461140.	13270200.	11575720.	14.2
Heptachlor	17540790.	16855640.	16754880.	17050440.	2.5
Aldrin	12313420.	12349120.	13333930.	12665490.	4.6
Heptachlor epoxide	17815600.	16765530.	17192450.	17257860.	3.1
Endosulfan I	14562850.	14606150.	14847030.	14672010.	1.0
Dieldrin	12557560.	13355770.	13967060.	13730700.	7.6
4,4'-DDE	11243380.	11967310.	13967050.	12392580.	11.0
Endrin	10277050.	10405410.	9131764.	9938074.	7.1
Endosulfan II	14026460.	14132430.	15310170.	14489690.	4.9
4,4'-DDD	10271140.	11592580.	13330130.	11731280.	13.1
Endosulfan sulfate	13945220.	12784410.	13664190.	13464610.	4.5
4,4'-DDT	5963912.	7257105.	8518465.	7246494.	17.6
Methoxychlor	4753988.	5533514.	6067780.	5451761.	12.1
Endrin ketone	11593120.	12620700.	14710240.	12974680.	12.2
Endrin Aldehyde	10297350.	10224850.	10470950.	10331050.	1.2
alpha-Chlordane	18451480.	17383330.	17719360.	17851390.	3.1
gamma-Chlordane	20202590.	18331480.	18272770.	18935610.	5.8
TCMX	13195970.	14637420.	15858170.	14563850.	9.2
Decachlorobiphenyl	23598120.	23047000.	22750610.	23131910.	1.9

* Surrogate calibration factors are measured from Standard Mix A analyses.

%RSD must be less than or equal 20.0 % for all compounds except the surrogates, where %RSD must be less than or equal to 30.0%. Up to two target compounds, but not surroagtes, may have %RSD greater than 20.0% but less than or equal to 30.0%.

6F
PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Instrument ID: HP 2 Date(s) Analyzed: 11/02/94 11/03/94

GC Column: DB5 ID: .53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	.50	*1	24.96	24.89	25.03	106042.
		*2	26.16	26.09	26.23	154483.
		*3	26.85	26.78	26.92	151756.
		4	29.44	29.37	29.51	138572.
Aroclor-1016	.50	*1	12.03	11.96	12.10	443609.
		*2	14.28	14.21	14.35	1069531.
		*3	15.31	15.24	15.38	553180.
		4	16.81	16.74	16.88	1600566.
		5	17.38	17.31	17.45	698195.
Aroclor-1221	.50	*1	11.19	11.12	11.26	206962.
		*2	11.72	11.65	11.79	164396.
		*3	12.03	11.96	12.10	595420.
Aroclor-1232	.50	*1	12.03	11.96	12.10	552548.
		*2	14.28	14.21	14.35	313635.
		*3	15.31	15.24	15.38	232316.
		4	16.81	16.74	16.88	652443.
Aroclor-1242	.50	*1	14.28	14.21	14.35	675797.
		*2	15.31	15.24	15.38	339619.
		*3	16.81	16.74	16.88	971202.
		4	17.38	17.31	17.45	428527.
		5	19.95	19.88	20.02	333304.
Aroclor-1248	.50	*1	18.79	18.72	18.86	694817.
		*2	19.95	19.88	20.02	731230.
		*3	20.64	20.57	20.71	750835.
		4	22.20	22.13	22.27	821563.
		5	22.40	22.33	22.47	961853.
Aroclor-1254	.50	*1	22.44	22.37	22.51	774675.
		*2	23.68	23.61	23.75	1083111.
		*3	25.49	25.42	25.56	1105391.
		4	26.68	26.61	26.75	1187323.
		5	28.86	28.79	28.93	1023396.
Aroclor-1260	.50	*1	26.08	26.01	26.15	534875.
		*2	26.62	26.55	26.69	1228834.
		*3	27.70	27.63	27.77	1770241.
		4	28.85	28.78	28.92	1433810.
		5	29.56	29.49	29.63	1100062.

* Denotes required peaks

6D

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Instrument ID: HP 1 Level (x low): low 1.0 mid 4.0 high 8.0

GC Column: DB608 ID: .53 (mm) Date(s) Analyzed: 11/03/94 11/03/94

COMPOUND	RT OF STANDARDS LOW	MID	HIGH	MEAN RT	RT WINDOW FROM	TO
alpha-BHC	12.54	12.54	12.54	12.54	12.49	12.59
beta-BHC	15.38	15.38	15.38	15.38	15.33	15.43
delta-BHC	17.50	17.50	17.50	17.50	17.45	17.55
gamma-BHC	14.81	14.81	14.81	14.81	14.76	14.86
Heptachlor	16.63	16.62	16.63	16.63	16.58	16.68
Aldrin	18.49	18.49	18.49	18.49	18.44	18.54
Heptachlor epoxide	22.59	22.59	22.59	22.59	22.52	22.66
Endosulfan I	23.88	23.88	23.88	23.88	23.81	23.95
Dieldrin	25.48	25.48	25.48	25.48	25.41	25.55
4,4'-DDE	25.43	25.43	25.43	25.43	25.36	25.50
Endrin	27.19	27.19	27.19	27.19	27.12	27.26
Endosulfan II	28.07	28.07	28.07	28.07	28.00	28.14
4,4'-DDD	28.04	28.04	28.04	28.04	27.97	28.11
Endosulfan sulfate	30.08	30.07	30.08	30.07	30.00	30.14
4,4'-DDT	29.31	29.31	29.31	29.31	29.24	29.38
Methoxychlor	33.02	33.02	33.02	33.02	32.95	33.09
Endrin ketone	33.17	33.17	33.17	33.17	33.10	33.24
Endrin Aldehyde	29.55	29.55	29.55	29.55	29.48	29.62
alpha-Chlordane	23.85	23.85	23.85	23.85	23.78	23.92
gamma-Chlordane	22.92	22.92	22.93	22.92	22.85	22.99
TCMX	8.66	8.66	8.66	8.66	8.61	8.71
Decachlorobiphenyl	40.31	40.32	40.33	40.32	40.22	40.42

* Surrogate retention times are measured from Standard Mix A analyses.

Retention time windows are +- 0.05 minutes for all compounds that elute before Heptachlor epoxide, +-0.07 minutes for all other compounds, except +-0.10 minutes for Decachlorobiphenyl.

6E

PESTICIDE INITIAL CALIBRATION OF SINGLE COMPONENT ANALYTES

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Instrument ID: HP 1 Level (x low): low 1.0 mid 4.0 high 8.0

GC Column: DB608 ID: .53 (mm) Date(s) Analyzed: 11/03/94 11/03/94

COMPOUND	CALIBRATION FACTORS LOW	MID	HIGH	MEAN	%RSD
alpha-BHC	10996150.	11513920.	13439610.	11983230.	10.7
beta-BHC	9132796.	9224535.	9944715.	9434015.	4.7
delta-BHC	8835960.	9985439.	11167230.	9996210.	11.7
gamma-BHC	11584680.	12254630.	14165950.	12668420.	10.6
Heptachlor	20324800.	18402270.	18844040.	19190370.	5.2
Aldrin	13841510.	13262420.	14119490.	13741140.	3.2
Heptachlor epoxide	19460500.	17467620.	17741610.	18223240.	5.9
Endosulfan I	17648760.	15756050.	16611490.	16672100.	5.7
Dieldrin	14784190.	14437050.	16084720.	15101990.	5.8
4,4'-DDE	12736090.	12745430.	14606030.	13362510.	8.1
Endrin	9641286.	9926746.	11491080.	10353040.	9.6
Endosulfan II	15733110.	15305870.	16247190.	15762060.	3.0
4,4'-DDD	11467490.	11963740.	13806790.	12412670.	9.9
Endosulfan sulfate	13192600.	12312430.	13160360.	12888460.	3.9
4,4'-DDT	6923686.	7794961.	9908908.	8209185.	18.7
Methoxychlor	5515248.	6582004.	7497785.	6531679.	15.2
Endrin ketone	14120410.	12775490.	14508900.	13801600.	6.6
Endrin Aldehyde	12104800.	11671510.	12051724.	11942678.	2.0
alpha-Chlordane	20982550.	18813720.	19040720.	19612330.	6.1
gamma-Chlordane	21626560.	18967610.	18770470.	19788210.	8.1
TCMX	15076450.	15595190.	17592890.	16088180.	8.3
Decachlorobiphenyl	23702840.	22587080.	23133430.	23141120.	2.4

* Surrogate calibration factors are measured from Standard Mix A analyses.

%RSD must be less than or equal 20.0 % for all compounds except the surrogates, where %RSD must be less than or equal to 30.0%. Up to two target compounds, but not surroagtes, may have %RSD greater than 20.0% but less than or equal to 30.0%.

6F

PESTICIDE INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Instrument ID: HP 1 Date(s) Analyzed: 11/02/94 11/03/94

GC Column: DB608 ID: .53 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	.50	*1	25.22	25.15	25.29	100006.
		*2	28.15	28.08	28.22	269950.
		*3	29.23	29.16	29.30	195413.
		4	30.11	30.04	30.18	185437.
Aroclor-1016	.50	*1	12.35	12.28	12.42	476240.
		*2	14.77	14.70	14.84	1188197.
		*3	16.90	16.83	16.97	1766889.
		4	17.86	17.79	17.93	673199.
		5	18.87	18.80	18.94	540901.
Aroclor-1221	.50	*1	11.14	11.07	11.21	231881.
		*2	11.99	11.92	12.06	180954.
		*3	12.34	12.27	12.41	596245.
Aroclor-1232	.50	*1	12.34	12.27	12.41	563236.
		*2	14.77	14.70	14.84	602396.
		*3	16.90	16.83	16.97	712503.
		4	17.86	17.79	17.93	289161.
Aroclor-1242	.50	*1	14.77	14.70	14.84	749034.
		*2	16.90	16.83	16.97	1055317.
		*3	18.87	18.80	18.94	352031.
		4	20.74	20.67	20.81	476133.
		5	22.63	22.56	22.70	412836.
Aroclor-1248	.50	*1	20.75	20.68	20.82	886307.
		*2	22.30	22.23	22.37	878645.
		*3	22.63	22.56	22.70	950921.
		4	24.14	24.07	24.21	661441.
		5	26.09	26.02	26.16	477083.
Aroclor-1254	.50	*1	23.11	23.04	23.18	875560.
		*2	23.50	23.43	23.57	1040619.
		*3	26.09	26.02	26.16	1238595.
		4	27.36	27.29	27.43	573829.
		5	29.23	29.16	29.30	924810.
Aroclor-1260	.50	*1	26.08	26.01	26.15	725055.
		*2	26.93	26.86	27.00	1499402.
		*3	27.36	27.29	27.43	1544507.
		4	28.78	28.71	28.85	967330.
		5	29.22	29.15	29.29	1194196.

* Denotes required peaks

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 11/02/94 11/03/94

EPA Sample No.(PIBLK): _____ Date Analyzed : _____

LAB Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No.(PEM): PEM04 Date Analyzed : 11/02/94

LAB Sample ID (PEM): PEM04 Time Analyzed : 21:58

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
alpha-BHC	12.54	12.49	12.59	.005	.005	.0
beta-BHC	15.38	15.33	15.43	.004	.005	20.0
gamma-BHC	14.81	14.76	14.86	.004	.005	20.0
Endrin	27.19	27.12	27.26	.021	.025	16.0
4,4'-DDT	29.31	29.24	29.38	.053	.050	6.0
Methoxychlor	33.02	32.95	33.09	.115	.125	8.0

4,4'-DDT % breakdown (1): 16.97 Endrin % breakdown (1): 12.77

Combined % breakdown (1): 29.74

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 11/02/94 11/03/94

EPA Sample No.(PIBLK): PIBLK18 Date Analyzed : 11/03/94

LAB Sample ID (PIBLK): PIBLK18 Time Analyzed : 10:23

EPA Sample No.(PEM): PEM19 Date Analyzed : 11/03/94

LAB Sample ID (PEM): PEM19 Time Analyzed : 11:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
alpha-BHC	12.54	12.49	12.59	.005	.005	.0
beta-BHC	15.38	15.33	15.43	.004	.005	20.0
gamma-BHC	14.81	14.76	14.86	.005	.005	.0
Endrin	27.19	27.12	27.26	.024	.025	4.0
4,4'-DDT	29.31	29.24	29.38	.058	.050	16.0
Methoxychlor	33.02	32.95	33.09	.131	.125	4.8

4,4'-DDT % breakdown (1): 16.89 Endrin % breakdown (1): 8.13

Combined % breakdown (1): 25.02

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 11/02/94 11/03/94

EPA Sample No.(PIBLK): PIBLK43 Date Analyzed : 11/04/94

LAB Sample ID (PIBLK): PIBLK43 Time Analyzed : 08:48

EPA Sample No.(PEM): INDAM31 Date Analyzed : 11/03/94

LAB Sample ID (PEM): INDAM31 Time Analyzed : 22:10

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	RPD
alpha-BHC	12.54	12.49	12.59	.010	.010	.0
gamma-BHC	14.82	14.76	14.86	.010	.010	.0
Heptachlor	16.63	16.58	16.68	.010	.010	.0
Endosulfan I	23.89	23.81	23.95	.010	.010	.0
Dieldrin	25.48	25.41	25.55	.021	.020	5.0
Endrin	27.20	27.12	27.26	.020	.020	.0
4,4'-DDD	28.05	27.97	28.11	.021	.020	5.0
4,4'-DDT	29.31	29.24	29.38	.020	.020	.0
Methoxychlor	33.03	32.95	33.09	.098	.100	2.0

4,4'-DDT % breakdown (1): 16.89 Endrin % breakdown (1): 8.13

Combined % breakdown (1): 25.02

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

GC Column: DB5 ID: .53 (mm) Init. Calib. Date(s): 11/02/94 11/03/94

EPA Sample No.(PIBLK): _____ Date Analyzed : _____

LAB Sample ID (PIBLK):_____ Time Analyzed : _____

EPA Sample No.(PEM): PEM04 Date Analyzed : 11/02/94

LAB Sample ID (PEM): PEM04 Time Analyzed : 21:58

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC. AMOUNT (ng)	NOM AMOUNT (ng)	RPD
alpha-BHC	12.03	11.99	12.09	.004	.005	20.0
beta-BHC	13.35	13.31	13.41	.003	.005	40.0
gamma-BHC	13.72	13.68	13.78	.004	.005	20.0
Endrin	26.16	26.09	26.23	.025	.025	.0
4,4'-DDT	28.66	28.61	28.75	.058	.050	16.0

.,4'-DDT % breakdown (1):******* Endrin % breakdown (1):*******

Combined % breakdown (1):*******

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

GC Column: DB5 ID: .53 (mm) Init. Calib. Date(s): 11/02/94 11/03/94

EPA Sample No.(PIBLK): PIBLK18 Date Analyzed : 11/03/94

LAB Sample ID (PIBLK): PIBLK18 Time Analyzed : 10:23

EPA Sample No.(PEM): PEM19 Date Analyzed : 11/03/94

LAB Sample ID (PEM): PEM19 Time Analyzed : 11:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC. AMOUNT (ng)	NOM AMOUNT (ng)	RPD
alpha-BHC	12.03	11.99	12.09	.005	.005	.0
beta-BHC	13.35	13.31	13.41	.003	.005	40.0
gamma-BHC	13.73	13.68	13.78	.004	.005	20.0
Endrin	26.16	26.09	26.23	.024	.025	4.0
4,4'-DDT	28.67	28.61	28.75	.051	.050	2.0
Methoxychlor	31.01	30.95	31.09	.125	.125	.0

4,4'-DDT % breakdown (1): 16.38 Endrin % breakdown (1): 19.75

Combined % breakdown (1): 36.14

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

GC Column: DB5 ID: .53 (mm) Init. Calib. Date(s): 11/02/94 11/03/94

EPA Sample No.(PIBLK): PIBLK43 Date Analyzed : 11/04/94

LAB Sample ID (PIBLK): PIBLK43 Time Analyzed : 08:48

EPA Sample No.(PEM): INDAM31 Date Analyzed : 11/03/94

LAB Sample ID (PEM): INDAM31 Time Analyzed : 22:10

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC. AMOUNT (ng)	NOM AMOUNT (ng)	RPD
alpha-BHC	12.05	11.99	12.09	.010	.010	.0
gamma-BHC	13.75	13.68	13.78	.010	.010	.0
Heptachlor	17.71	17.66	17.76	.010	.010	.0
Endosulfan I	23.87	23.79	23.93	.010	.010	.0
Dieldrin	25.17	25.09	25.23	.020	.020	.0
Endrin	26.18	26.09	26.23	.019	.020	5.0
4,4'-DDD	27.06	26.99	27.13	.020	.020	.0
4,4'-DDT	28.68	28.61	28.75	.020	.020	.0
Methoxychlor	31.03	30.95	31.09	.098	.100	2.0

4,4'-DDT % breakdown (1): 16.38 Endrin % breakdown (1): 19.75

Combined % breakdown (1): 36.14

QC LIMITS:

RPD of amounts in PEM must be less than or equal to 25.0%

4,4'-DDT breakdown must be less than or equal to 20.0%

Endrin breakdown must be less than or equal to 20.0%

Combined breakdown must be less than or equal to 30.0%

8D
PESTICIDE ANALYTICAL SEQUENCE

ab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

GC Column: DB608 ID: .53 (mm) Init. Calib. Date(s): 11/02/94 11/03/94

Instrument ID: HP 1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 8.66 DCB: 40.32

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT	#	DCB RT	#
1	RESC03	RESC03	11/02/94	21:05	8.66		40.31	
2	PEM04	PEM04	11/02/94	21:58	8.66		40.31	
3	AR1660XX		11/02/94	22:51	8.66		40.31	
4	AR1221XX		11/02/94	23:45		*		*
5	AR1232XX		11/03/94	00:38		*		*
6	AR1242XX		11/03/94	01:31	8.66		40.31	
7	AR1248XX		11/03/94	02:24	8.66		40.32	
8	AR1254XX		11/03/94	03:17	8.66		40.32	
9	TOXAPHX		11/03/94	04:10	8.66		40.31	
10	INDALXX		11/03/94	05:04	8.66		40.31	
11	INDBLXX		11/03/94	05:57	8.66		40.31	
12	INDAMXX		11/03/94	06:50	8.66		40.32	
13	INDBMXX		11/03/94	07:43	8.66		40.32	
14	INDAHXX		11/03/94	08:36	8.66		40.33	
15	INDBHXX		11/03/94	09:29	8.66		40.32	
16	PIBLK18	PIBLK18	11/03/94	10:23	8.66		40.33	
17	PEM19	PEM19	11/03/94	11:16	8.66		40.32	
18	PBLK20	PBLK5626	11/03/94	12:09	8.66		40.31	
19	PIBLK30	PIBLK30	11/03/94	21:16	8.66		40.33	
20	INDAM31	INDAM31	11/03/94	22:10	8.66		40.33	
21	FLE011	AA63450	11/04/94	01:42	8.66		40.33	
22	FLE01MS	AA63450MS	11/04/94	02:35	8.66		40.33	
23	FLE01MSD	AA63450MSD	11/04/94	03:29	8.66		40.33	
24	FLW012	AA63451	11/04/94	04:22	8.66		40.33	
25	WLS014	AA63452	11/04/94	05:15	8.66		40.33	
26	WLE015	AA63453	11/04/94	06:08	8.66		40.34	
27	WLW016	AA63454	11/04/94	07:01	8.66		40.33	
28	WLN027	AA63455	11/04/94	07:54	8.66		40.34	
29	PIBLK43	PIBLK43	11/04/94	08:48	8.66		40.34	
30	PEM44	PEM44	11/04/94	09:41	8.66		40.34	
31								
32								

QC LIMITS

TCX = TCMX (+- .05 MINUTES)
DCB = Decachlorobiphenyl (+- .10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 10:38:14 Version 5.1.5 **********

* Sample Name: RES. CHECK Data File: F:ANOVW3 *
* Date: 11-02-1994 21:05:42 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 3 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.656	TCMX	19.1377	7.1513%	149228	23828	6.3	1	0	0	1.2824E-04
7	19.256		0.0000	0.0000%	6849	758	9.0	1			0.0000E+00
9	22.921	gamma-Chlordane	10.8721	4.0626%	103108	11708	8.8	1	0	0	1.0544E-04
[illegible]	23.879	Endosulfan I	10.0784	3.7660%	79397	9763	8.1	1	0	0	1.2694E-04
12	25.453	4,4'-DDE	41.4821	15.5008%	264354	31776	8.3	1	0	.1034	1.5692E-04
[illegible]	28.127	Endosulfan II	1.0004	0.3738%	7656	974	7.9	1	0	.2159	1.3067E-04
[illegible]	30.070	Endosulfan sulfate	20.1930	7.5456%	124313	18370	6.8	1	0	0	1.6244E-04
[illegible]	30.632		0.0000	0.0000%	38852	5379	7.2	1			0.0000E+00
22	31.510	DBC	94.2376	35.2142%	628252	92548	6.8	1	0	0	1.5000E-04
24	33.024	Methoxychlor	45.5475	17.0199%	149897	25701	5.8	1	0	0	3.0386E-04
25	33.158	Endrin ketone	4.8023	1.7945%	30676	6852	4.5	1	0	0	1.5655E-04
27	40.307	Decachlorobiphenyl	20.2618	7.5713%	228828	16823	13.6	1	0	0	8.8546E-05

TOTAL AMOUNT = 267.6129

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.54	DBC
gamma-BHC	14.81	DBC
beta-BHC	15.38	DBC
Heptachlor	16.62	DBC
delta-BHC	17.50	DBC
Aldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
alpha-Chlordane	23.84	DBC
Dieldrin	25.48	DBC
Endrin	27.19	DBC
,4'-DDD	28.04	DBC
4,4'-DDT	29.31	DBC
Endrin Aldehyde	29.55	DBC

Areas, times, and heights stored in: F:ANOVW3.ATB
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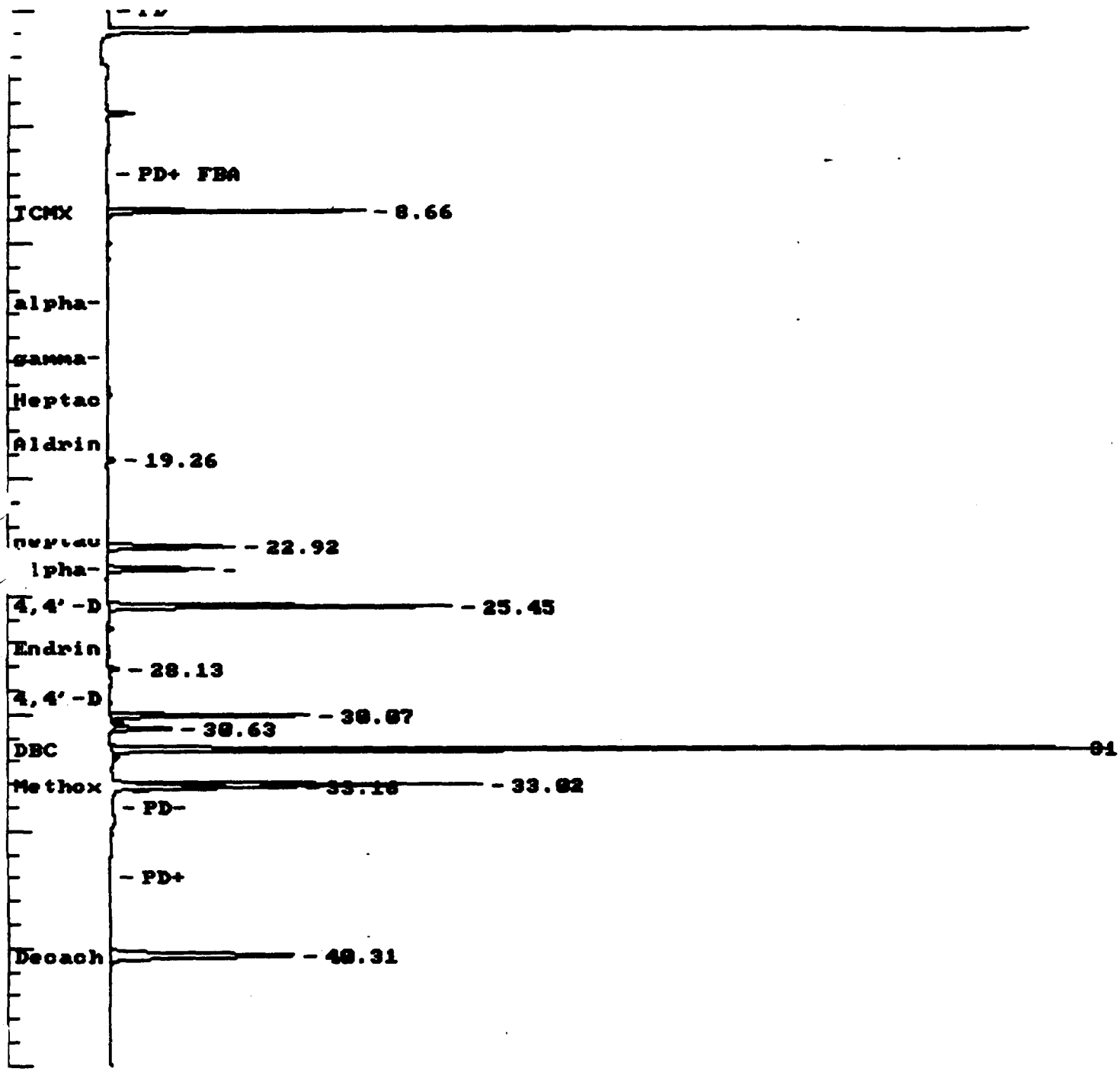
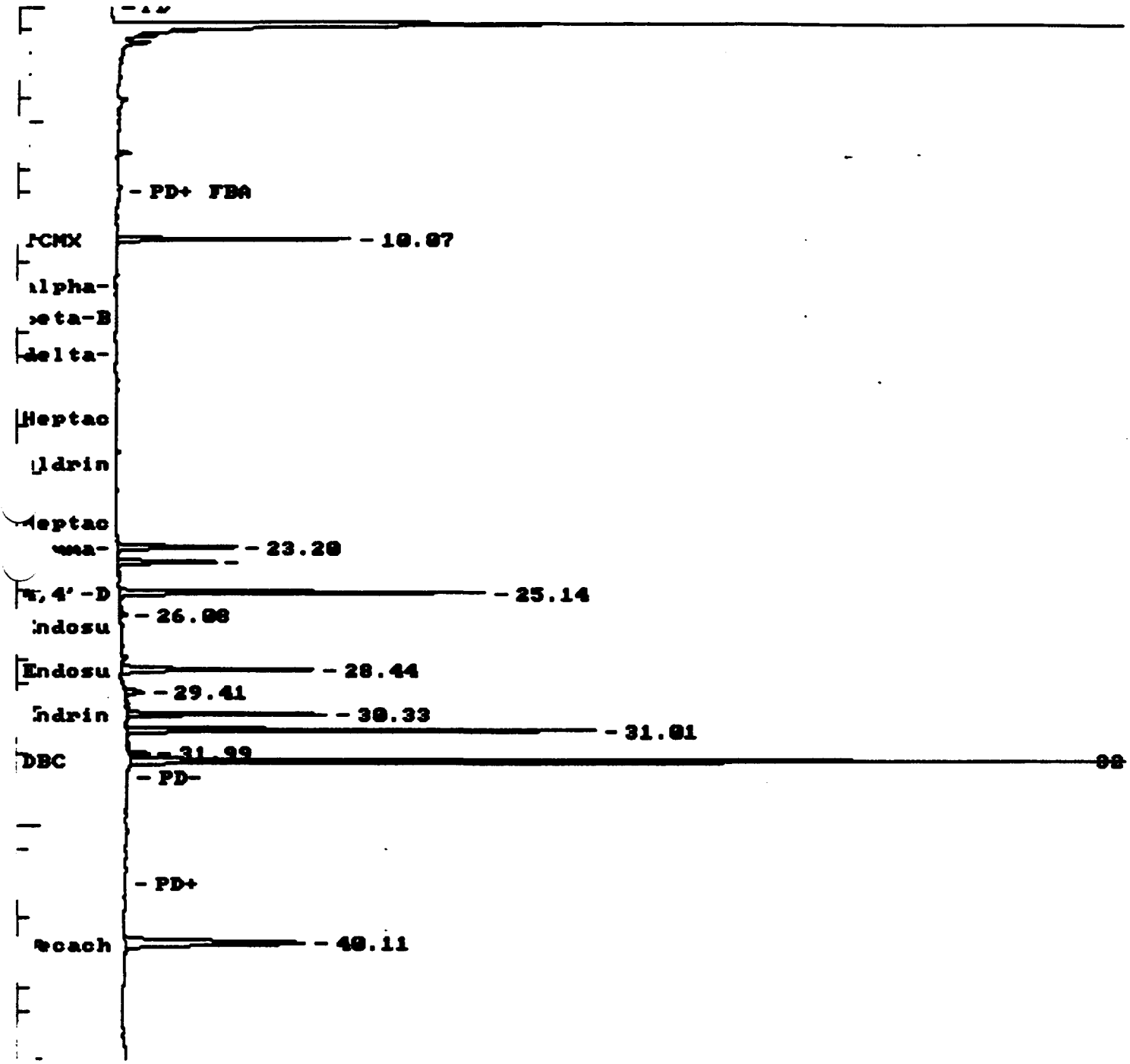
tart time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



ıreas, times, and heights stored in: F:BNOVW3.ATB
ta File = F:BNOVW3.PTS Printed on 11-03-1994 at 14:38:43
ırt time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 10:38:33 Version 5.1.5 **********

* Sample Name: PEM Data File: F:ANOVW4 *
* Date: 11-02-1994 21:58:48 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 4 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: - *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.656	TCMX	19.3006	3.3836%	150498	24054	6.3	1	0	0	1.2824E-04
6	12.536	alpha-BHC	9.2650	1.6243%	53338	7708	6.9	1	0	0	1.7370E-04
7	14.814	gamma-BHC	8.8913	1.5587%	54479	7622	7.1	1	0	0	1.6320E-04
8	15.377	beta-BHC	7.0736	1.2401%	32625	4571	7.1	1	0	0	2.1681E-04
11	19.263		0.0000	0.0000%	5940	677	8.8	1			0.0000E+00
14	25.433	4,4'-DDE	2.8811	0.5051%	18360	2522	7.3	1	0	0	1.5692E-04
	27.189	Endrin	42.0182	7.3663%	208552	30269	6.9	1	0	0	2.0148E-04
	28.046	4,4'-DDD	14.0864	2.4695%	84263	11250	7.5	1	0	0	1.6717E-04
20	29.306	4,4'-DDT	106.5095	18.6724%	415118	69269	6.0	1	0	0	2.5658E-04
21	29.547	Endrin Aldehyde	6.3871	1.1197%	37273	6133	6.1	1	0	0	1.7136E-04
22	30.090	Endosulfan sulfate	5.3185	0.9324%	32742	4655	7.0	1	0	0	1.6244E-04
24	30.632		0.0000	0.0000%	42534	5302	8.0	1			0.0000E+00
25	31.510	DBC	97.7071	17.1292%	651382	95569	6.8	1	0	0	1.5000E-04
26	31.858		0.0000	0.0000%	7224	1076	6.7	1			0.0000E+00
28	33.024	Methoxychlor	230.5611	40.4201%	758777	102160	7.4	1	0	0	3.0386E-04
30	40.314	Decachlorobiphenyl	20.4120	3.5785%	230524	16859	13.7	1	0	0	8.8546E-05

TOTAL AMOUNT = 570.4114

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
Heptachlor	16.62	DBC
delta-BHC	17.50	DBC
Aldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
gamma-Chlordane	22.92	DBC
alpha-Chlordane	23.84	DBC
Endosulfan I	23.88	DBC
Dieldrin	25.48	DBC
Endosulfan II	28.07	DBC
Endrin ketone	33.17	DBC

reas, times, and heights stored in: F:ANOVW4.ATB
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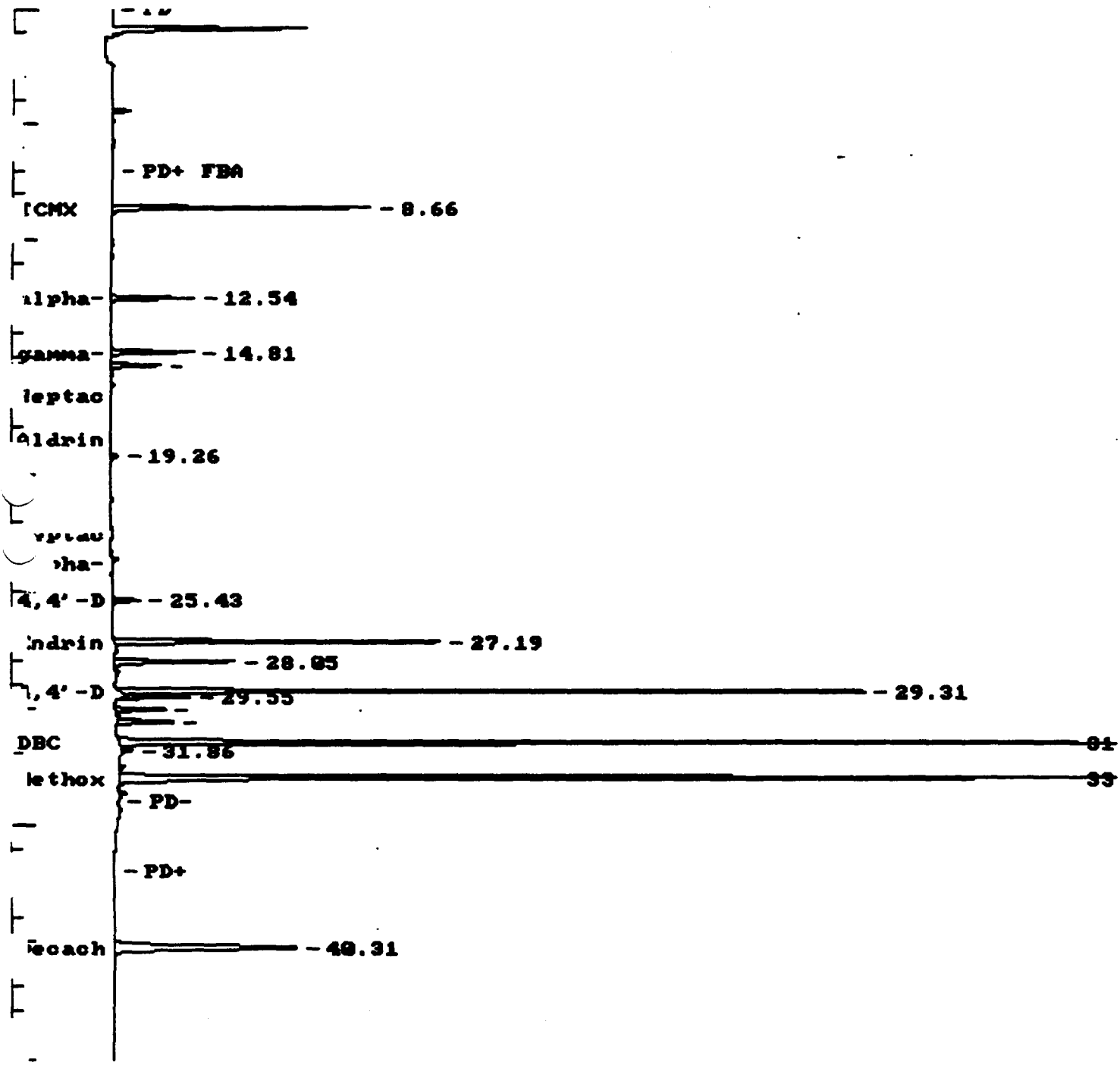
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:38:58 Version 5.1.5 **********

* Sample Name: PEM Data File: F:BNOVW4 *
* Date: 11-02-1994 21:58:48 Method: E:K608N1 11-03-1994 14:33:00 # 794 *
* Interface: 1 Cycle#: 4 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.077	TCMX	18.2592	2.9389%	133633	21656	6.2	1	0	0	1.3664E-04
5	12.027	alpha-BHC	8.9825	1.4458%	48299	7421	6.5	1	0	0	1.8598E-04
6	13.346	beta-BHC	6.8497	1.1025%	28317	4117	6.9	1	0	-.1017	2.4189E-04
7	13.722	gamma-BHC	8.5375	1.3741%	48925	7248	6.8	1	0	0	1.7450E-04
11	21.393		0.0000	0.0000%	19378	2461	7.9	1			0.0000E+00
15	25.145	4,4'-DDE	0.9903	0.1594%	5926	809	7.3	1	0	0	1.6712E-04
	26.157	Endrin	49.1732	7.9146%	255833	36760	7.0	1	0	0	1.9221E-04
	27.048	4,4'-DDD	11.6524	1.8755%	67541	9707	7.0	1	0	-.0262	1.7252E-04
19	27.416	Endrin aldehyde	3.0678	0.4938%	15684	2220	7.1	1	0	0	1.9560E-04
21	28.321	Endosulfan sulfate	1.7715	0.2851%	11324	1669	6.8	1	0	-.4957	1.5644E-04
22	28.663	4,4'-DDT	116.5231	18.7549%	422810	66619	6.3	1	0	0	2.7559E-04
27	30.338	Endrin ketone	5.2307	0.8419%	33007	5144	6.4	1	0	0	1.5847E-04
28	31.008	Methoxychlor	276.4200	44.4910%	764786	119169	6.4	1	0	0	3.6143E-04
31	31.986		0.0000	0.0000%	11258	1641	6.9	1			0.0000E+00
32	32.307	DBC	93.6104	15.0670%	670891	96893	6.9	1	0	0	1.3953E-04
33	40.113	Decachlorobiphenyl	20.2254	3.2554%	233068	16633	14.0	1	0	-.0500	8.6779E-05

TOTAL AMOUNT = 621.2936

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
Delta-BHC	14.94	Decachlorobiphenyl
Heptachlor	17.70	Decachlorobiphenyl
Aldrin	19.65	Decachlorobiphenyl
Heptachlor epoxide	22.16	Decachlorobiphenyl
gamma-Chlordane	23.23	Decachlorobiphenyl
Endosulfan I	23.85	Decachlorobiphenyl
alpha-Chlordane	24.03	Decachlorobiphenyl
Dieldrin	25.16	Decachlorobiphenyl
Endosulfan II	26.58	Decachlorobiphenyl

Areas, times, and heights stored in: F:BNOVW4.ATB
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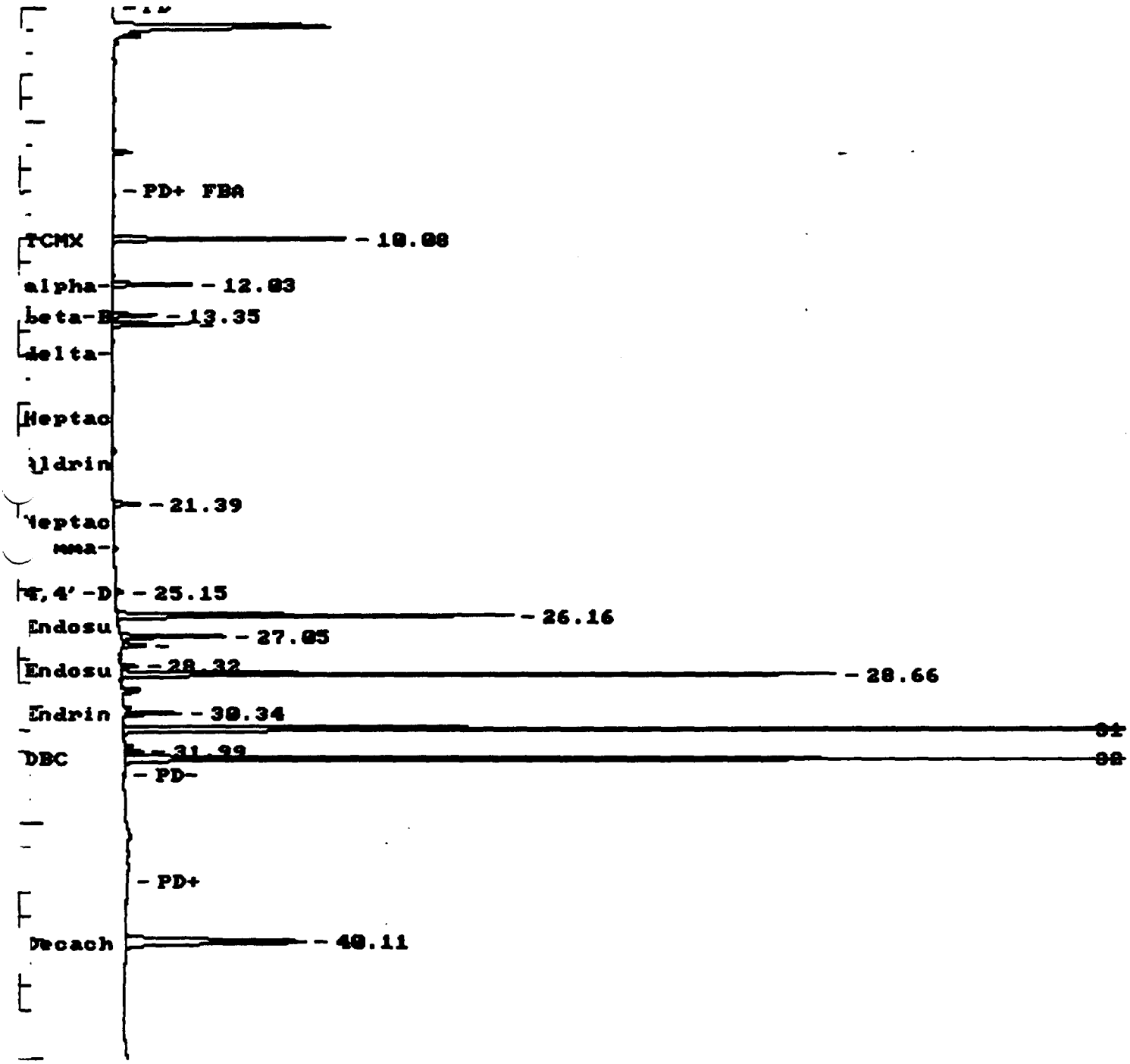
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 12:18:01 Version 5.1.5 **********

* Sample Name: AR1060 @ 1000 ug/L Data File: F:ANOVW5 *
* Date: 11-02-1994 22:51:57 Method: E:J1060N1 11-03-1994 12:17:27 # 163*
* Interface: 1 Cycle#: 5 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.656	TCMX	19.3804	0.1875%	151121	24314	6.2	1	58	.2601	1.2824E-04
3	10.532		0.0000	0.0000%	7214	1090	6.6	2			0.0000E+00
4	10.713		0.0000	0.0000%	40336	5121	7.9	2			0.0000E+00
5	11.149		0.0000	0.0000%	36028	4395	8.2	1			0.0000E+00
6	11.986		0.0000	0.0000%	48925	6611	7.4	2			0.0000E+00
7	12.348	Aroclor-1016	999.9996	9.6770%	238120	30856	7.7	3	69	0	4.1996E-03
	12.676		0.0000	0.0000%	11072	1345	8.2	4			0.0000E+00
	14.305		0.0000	0.0000%	40735	4762	8.6	2			0.0000E+00
11	14.767	Aroclor-1016	999.9992	9.6770%	594099	68875	8.6	2	69	0	1.6832E-03
12	15.403		0.0000	0.0000%	48030	4405	10.9	2			0.0000E+00
13	16.000		0.0000	0.0000%	135651	16481	8.2	2			0.0000E+00
14	16.234		0.0000	0.0000%	70695	9193	7.7	2			0.0000E+00
15	16.448		0.0000	0.0000%	228366	27052	8.4	2			0.0000E+00
16	16.904	Aroclor-1016	1000.0005	9.6770%	883444	87591	10.1	2	58	.2560	1.1319E-03
17	17.856	Aroclor-1016	1000.0011	9.6770%	336599	36386	9.3	2	58	.2526	2.9709E-03
18	18.258		0.0000	0.0000%	63301	7096	8.9	2			0.0000E+00
19	18.633		0.0000	0.0000%	191011	21814	8.8	2			0.0000E+00
20	18.867	Aroclor-1016	1000.0014	9.6770%	270450	31778	8.5	2	51	0	3.6975E-03
21	19.129		0.0000	0.0000%	237971	27342	8.7	2			0.0000E+00
22	19.269		0.0000	0.0000%	155303	19310	8.0	2			0.0000E+00
23	19.490		0.0000	0.0000%	107609	12283	8.8	2			0.0000E+00
24	20.053		0.0000	0.0000%	38711	3867	10.0	2			0.0000E+00
25	20.743		0.0000	0.0000%	350780	35127	10.0	2			0.0000E+00
26	20.964		0.0000	0.0000%	113335	13484	8.4	2			0.0000E+00
27	21.333		0.0000	0.0000%	81416	11922	6.8	2			0.0000E+00
28	21.453		0.0000	0.0000%	173884	19983	8.7	2			0.0000E+00
29	21.735		0.0000	0.0000%	70450	8245	8.5	2			0.0000E+00
30	21.969		0.0000	0.0000%	32362	3598	9.0	2			0.0000E+00
31	22.311		0.0000	0.0000%	49336	5672	8.7	2			0.0000E+00
32	22.612		0.0000	0.0000%	98970	10230	9.7	2			0.0000E+00
3	23.108		0.0000	0.0000%	205114	25089	8.2	2			0.0000E+00
4	23.490		0.0000	0.0000%	205452	25170	8.2	3			0.0000E+00
5	24.147		0.0000	0.0000%	7576	945	8.0	2			0.0000E+00
	24.830		0.0000	0.0000%	9614	1256	7.7	1			0.0000E+00
	25.567		0.0000	0.0000%	20275	2857	7.1	2			0.0000E+00
40	26.076	Aroclor-1260	999.9990	9.6770%	362528	49250	7.4	2	69	0	2.7584E-03
41	26.465		0.0000	0.0000%	272486	26488	10.3	2			0.0000E+00
42	26.659		0.0000	0.0000%	24335	3665	6.6	2			0.0000E+00

43	26.927	Aroclor-1260	999.9998	9.6770%	749701	90011	8.3	2	51	0	1.3339E-03
44	27.356	Aroclor-1260	999.9995	9.6770%	772254	106985	7.2	2	51	0	1.2949E-03
	27.678		0.0000	0.0000%	31576	4248	7.4	3			0.0000E+00
	28.227		0.0000	0.0000%	242532	36295	6.7	2			0.0000E+00
49	28.777	Aroclor-1260	999.9995	9.6770%	483665	56329	8.6	2	69	0	2.0675E-03
50	28.991		0.0000	0.0000%	263404	38512	6.8	2			0.0000E+00
51	29.219	Aroclor-1260	999.9996	9.6770%	597098	78635	7.6	2	69	0	1.6748E-03
52	29.379		0.0000	0.0000%	566889	80708	7.0	2			0.0000E+00
53	29.641		0.0000	0.0000%	290460	40818	7.1	2			0.0000E+00
54	30.190		0.0000	0.0000%	80734	11860	6.8	2			0.0000E+00
55	30.646		0.0000	0.0000%	36478	6330	5.8	2			0.0000E+00
56	30.854		0.0000	0.0000%	576505	76593	7.5	2			0.0000E+00
57	31.182		0.0000	0.0000%	424909	48321	8.8	2			0.0000E+00
58	31.430	DBC	299.3478	2.8968%	1995656	208781	9.6	2	69	-.1877	1.5000E-04
59	32.495		0.0000	0.0000%	51304	5412	9.5	1			0.0000E+00
60	32.957		0.0000	0.0000%	345026	41551	8.3	2			0.0000E+00
61	33.145		0.0000	0.0000%	142169	22587	6.3	2			0.0000E+00
62	33.306		0.0000	0.0000%	587177	78254	7.5	2			0.0000E+00
63	33.748		0.0000	0.0000%	13669	1670	8.2	2			0.0000E+00
64	34.552		0.0000	0.0000%	16828	1335	12.6	1			0.0000E+00
65	35.175		0.0000	0.0000%	7456	899	8.3	2			0.0000E+00
66	35.497		0.0000	0.0000%	107457	12299	8.7	2			0.0000E+00
67	35.731		0.0000	0.0000%	278257	29831	9.3	2			0.0000E+00
68	37.956		0.0000	0.0000%	56183	4841	11.2	1			0.0000E+00
69	40.314	Decachlorobiphenyl	15.0651	0.1458%	170138	12609	13.5	1	69	0	8.8546E-05

TOTAL AMOUNT = 10333.7939

Areas, times, and heights stored in: F:ANOVW5.ATB
ta File = F:ANOVW5.PTS Printed on 11-03-1994 at 12:18:09
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
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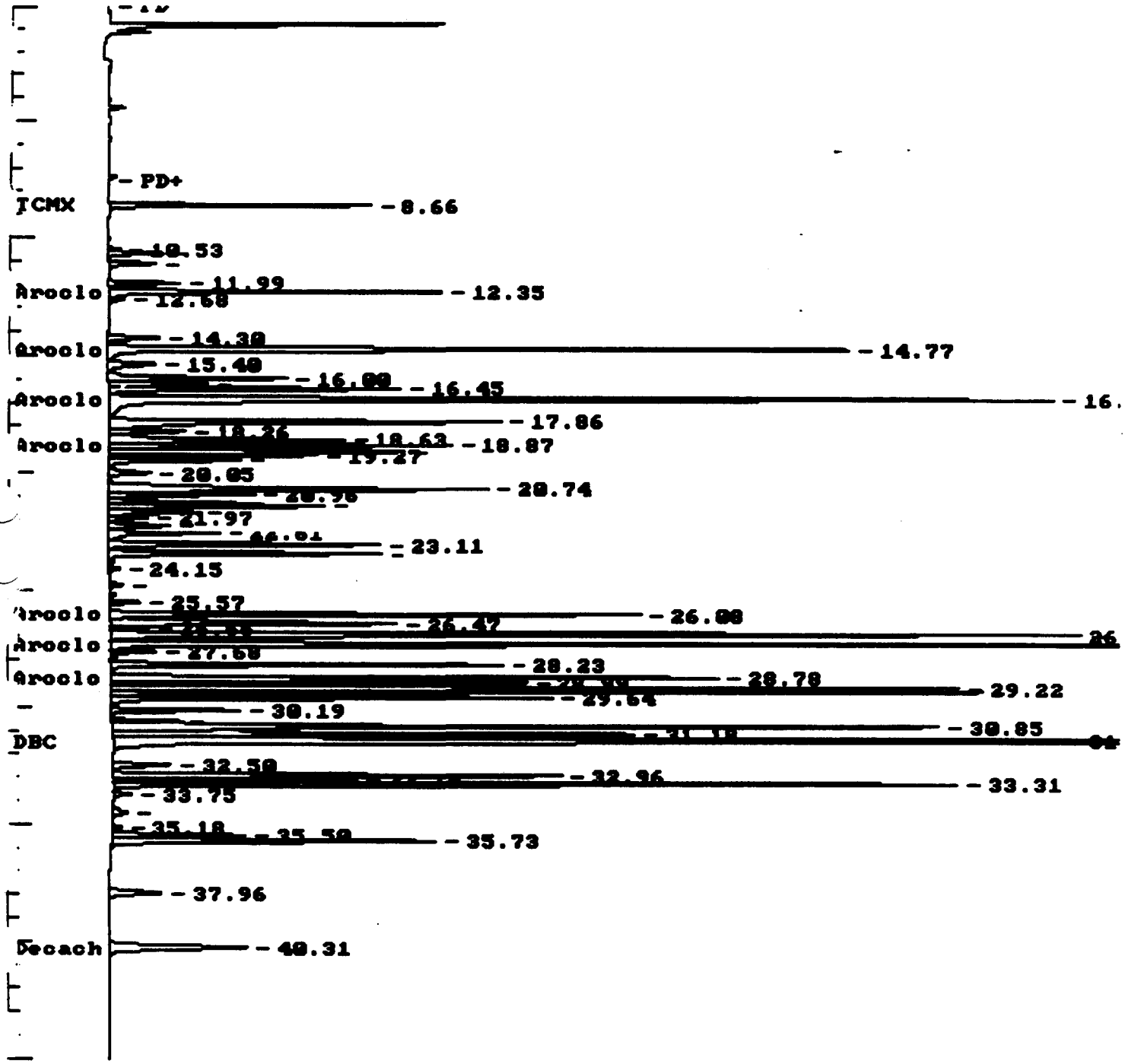

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 12:18:25 Version 5.1.5 **********

Sample Name: AR1060 @ 1000 ug/L Data File: F:BNOVW5

Date: 11-02-1994 22:51:57 Method: E:K1060N1 11-03-1994 12:17:49 # 164

Interface: 1 Cycle#: 5 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

mount injected: 0.50 Dilution factor: 1000.00

ample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	10.077	TCMX	23.5523	0.2325%	172373	22557	7.6	1	68	0	1.3664E-04
7	11.189		0.0000	0.0000%	33506	4671	7.2	1			0.0000E+00
8	11.725		0.0000	0.0000%	45911	6394	7.2	2			0.0000E+00
9	12.027	Aroclor-1016	1000.0012	9.8719%	221804	29994	7.4	2	79	0	4.5085E-03
10	13.085		0.0000	0.0000%	30065	4110	7.3	1			0.0000E+00
	14.278	Aroclor-1016	1000.0006	9.8718%	534765	44925	11.9	2	79	0	1.8700E-03
	14.854		0.0000	0.0000%	39610	4921	8.0	2			0.0000E+00
	15.309	Aroclor-1016	999.9993	9.8718%	276590	36182	7.6	2	68	0	3.6155E-03
5	16.053		0.0000	0.0000%	6672	888	7.5	2			0.0000E+00
6	16.301		0.0000	0.0000%	67625	8501	8.0	2			0.0000E+00
17	16.442		0.0000	0.0000%	36046	5196	6.9	2			0.0000E+00
18	16.810	Aroclor-1016	1000.0000	9.8718%	800283	75964	10.5	2	68	0	1.2496E-03
9	17.380	Aroclor-1016	1000.0013	9.8719%	349097	41216	8.5	2	56	0	2.8645E-03
0	17.795		0.0000	0.0000%	185210	20998	8.8	2			0.0000E+00
1	18.090		0.0000	0.0000%	71135	8420	8.4	2			0.0000E+00
2	18.532		0.0000	0.0000%	28076	3382	8.3	2			0.0000E+00
3	18.787		0.0000	0.0000%	235747	28563	8.3	2			0.0000E+00
4	19.035		0.0000	0.0000%	209137	24618	8.5	2			0.0000E+00
5	19.229		0.0000	0.0000%	172908	18097	9.6	2			0.0000E+00
7	19.946		0.0000	0.0000%	262691	31243	8.4	2			0.0000E+00
8	20.140		0.0000	0.0000%	155856	17606	8.9	2			0.0000E+00
29	20.643		0.0000	0.0000%	286030	29405	9.7	2			0.0000E+00
0	21.105		0.0000	0.0000%	57851	6789	8.5	2			0.0000E+00
1	21.413		0.0000	0.0000%	17229	1852	9.3	2			0.0000E+00
3	21.989		0.0000	0.0000%	27459	3267	8.4	2			0.0000E+00
34	22.197		0.0000	0.0000%	44106	5191	8.5	2			0.0000E+00
5	22.432		0.0000	0.0000%	195685	22211	8.8	2			0.0000E+00
6	22.793		0.0000	0.0000%	8312	982	8.6	2			0.0000E+00
37	23.383		0.0000	0.0000%	24060	2570	9.4	2			0.0000E+00
9	23.685		0.0000	0.0000%	185640	22563	8.2	2			0.0000E+00
	25.011		0.0000	0.0000%	17750	2525	7.0	2			0.0000E+00
4	25.353		0.0000	0.0000%	108618	13897	7.8	2			0.0000E+00
	25.480		0.0000	0.0000%	61707	9544	6.5	2			0.0000E+00
	6.076	Aroclor-1260	1000.0009	9.8719%	267437	36686	7.3	2	79	0	3.7392E-03
	26.277		0.0000	0.0000%	144837	19366	7.5	2			0.0000E+00
48	26.619	Aroclor-1260	999.9999	9.8718%	614417	79983	7.7	2	56	0	1.6276E-03
49	27.095		0.0000	0.0000%	33711	3728	9.0	2			0.0000E+00
0	27.437		0.0000	0.0000%	87812	12514	7.0	2			0.0000E+00

51	27.698	Aroclor-1260	999.9996	9.8718%	885121	98866	9.0 2	56	0	1.1298E-03
[illegible]	28.254		0.0000	0.0000%	411468	39852	10.3 2			0.0000E+00
[illegible]	28.622		0.0000	0.0000%	81870	11168	7.3 2			0.0000E+00
54	28.850	Aroclor-1260	1000.0002	9.8718%	716905	94211	7.6 2	79	0	1.3949E-03
55	29.219		0.0000	0.0000%	98290	13867	7.1 2			0.0000E+00
56	29.560	Aroclor-1260	1000.0001	9.8718%	550031	73305	7.5 2	79	0	1.8181E-03
57	29.761		0.0000	0.0000%	256474	37291	6.9 3			0.0000E+00
58	29.969		0.0000	0.0000%	37327	5460	6.8 4			0.0000E+00
59	30.184		0.0000	0.0000%	70424	10484	6.7 2			0.0000E+00
60	30.485		0.0000	0.0000%	487168	71743	6.8 2			0.0000E+00
61	30.699		0.0000	0.0000%	265868	38675	6.9 2			0.0000E+00
62	30.874		0.0000	0.0000%	176681	24794	7.1 2			0.0000E+00
63	31.142		0.0000	0.0000%	42561	6019	7.1 2			0.0000E+00
64	31.309		0.0000	0.0000%	79033	11544	6.8 2			0.0000E+00
65	31.557		0.0000	0.0000%	1123479	157623	7.1 3			0.0000E+00
66	31.812		0.0000	0.0000%	16142	2647	6.1 4			0.0000E+00
67	32.019		0.0000	0.0000%	51462	6818	7.5 2			0.0000E+00
68	32.307	DBC	91.2969	0.9013%	654311	94591	6.9 2	79	0	1.3953E-04
69	32.689		0.0000	0.0000%	512359	67728	7.6 2			0.0000E+00
70	33.051		0.0000	0.0000%	255545	32672	7.8 2			0.0000E+00
71	33.286		0.0000	0.0000%	288369	36798	7.8 2			0.0000E+00
72	33.915		0.0000	0.0000%	11606	1495	7.8 1			0.0000E+00
73	34.652		0.0000	0.0000%	118699	13452	8.8 2			0.0000E+00
74	35.008		0.0000	0.0000%	8721	923	9.4 2			0.0000E+00
76	35.684		0.0000	0.0000%	264802	27899	9.5 2			0.0000E+00
[illegible]7	35.986		0.0000	0.0000%	15354	1595	9.6 2			0.0000E+00
78	37.942		0.0000	0.0000%	55315	4774	11.6 1			0.0000E+00
[illegible]9	40.120	Decachlorobiphenyl	14.9687	0.1478%	172492	12449	13.9 1	79	0	8.6779E-05

TOTAL AMOUNT = 10129.8213

reas, times, and heights stored in: F:BNOVW5.ATB
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cart time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
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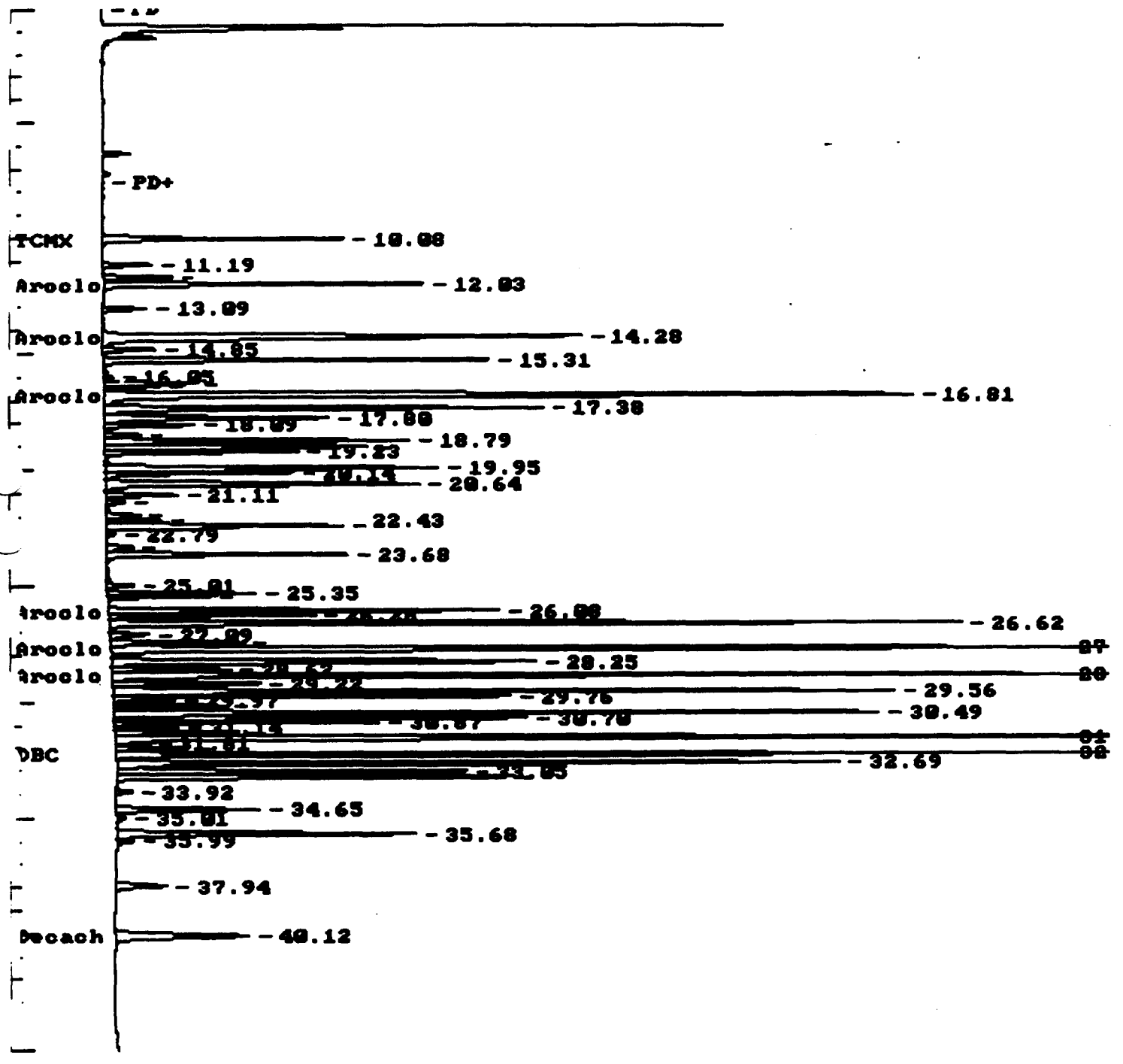


******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:57:20 Version 5.1.5 **********

* Sample Name: AR1221 @ 1000 ug/L Data File: F:ANOVW6 *
* Date: 11-02-1994 23:45:06 Method: E:J1221N1 11-03-1994 11:36:46 # 163*
* Interface: 1 Cycle#: 6 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

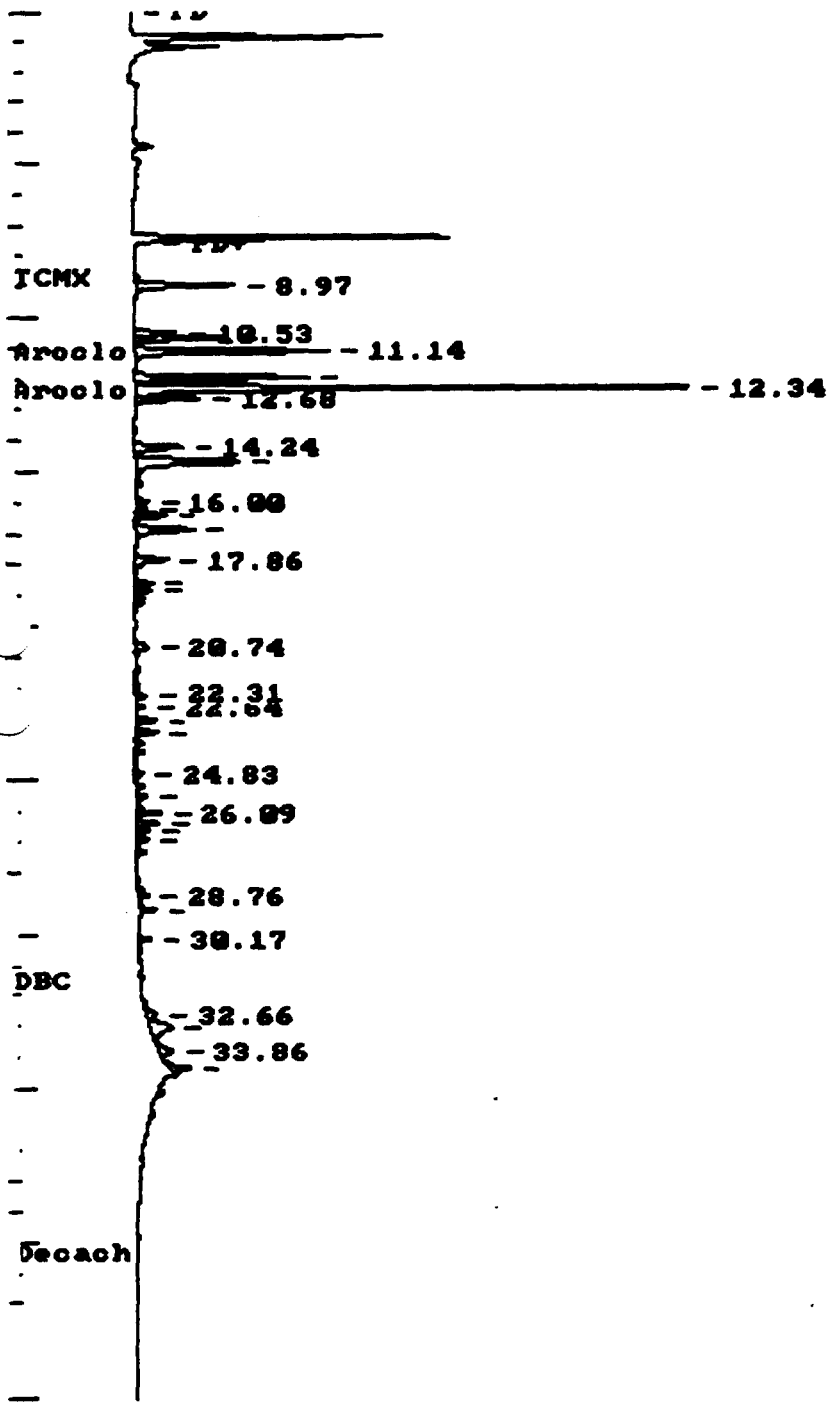
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.971		0.0000	0.0000%	55834	7049	7.9	2			0.0000E+00
4	10.532		0.0000	0.0000%	20834	2941	7.1	2			0.0000E+00
5	10.707		0.0000	0.0000%	52139	6618	7.9	2			0.0000E+00
6	11.135	Aroclor-1221	999.9966	33.3332%	115941	13598	8.5	1	0	0	8.6251E-03
7	11.986	Aroclor-1221	1000.0007	33.3334%	90477	12226	7.4	2	0	0	1.1053E-02
8	12.341	Aroclor-1221	1000.0013	33.3334%	298122	39154	7.6	2	0	0	3.3543E-03
	12.676		0.0000	0.0000%	36351	4546	8.0	2			0.0000E+00
	14.238		0.0000	0.0000%	33305	3351	9.9	2			0.0000E+00
12	14.733		0.0000	0.0000%	97830	7312	13.4	2			0.0000E+00
15	16.000		0.0000	0.0000%	6834	922	7.4	2			0.0000E+00
16	16.234		0.0000	0.0000%	6312	809	7.8	2			0.0000E+00
17	16.448		0.0000	0.0000%	17515	2116	8.3	2			0.0000E+00
18	16.904		0.0000	0.0000%	42338	4158	10.2	1			0.0000E+00
19	17.862		0.0000	0.0000%	22832	2268	10.1	3			0.0000E+00
21	18.639		0.0000	0.0000%	9612	1222	7.9	2			0.0000E+00
22	18.867		0.0000	0.0000%	9386	1146	8.2	2			0.0000E+00
27	20.737		0.0000	0.0000%	12223	968	12.6	2			0.0000E+00
32	22.311		0.0000	0.0000%	6376	792	8.1	2			0.0000E+00
33	22.639		0.0000	0.0000%	5278	614	8.6	2			0.0000E+00
34	23.108		0.0000	0.0000%	10968	1390	7.9	2			0.0000E+00
35	23.497		0.0000	0.0000%	12832	1547	8.3	2			0.0000E+00
38	24.830		0.0000	0.0000%	5866	514	11.4	2			0.0000E+00
40	25.574		0.0000	0.0000%	6110	808	7.6	2			0.0000E+00
42	26.090		0.0000	0.0000%	12519	1733	7.2	2			0.0000E+00
43	26.425		0.0000	0.0000%	11400	1524	7.5	2			0.0000E+00
44	26.673		0.0000	0.0000%	6753	914	7.4	2			0.0000E+00
45	26.927		0.0000	0.0000%	6022	750	8.0	2			0.0000E+00
50	28.763		0.0000	0.0000%	5370	645	8.3	2			0.0000E+00
52	29.219		0.0000	0.0000%	6793	1083	6.3	2			0.0000E+00
54	30.170		0.0000	0.0000%	5772	841	6.9	2			0.0000E+00
[illegible]	32.662		0.0000	0.0000%	10582	678	15.6	2			0.0000E+00
61	33.085		0.0000	0.0000%	31158	1519	20.5	2			0.0000E+00
[illegible]	33.862		0.0000	0.0000%	15343	973	15.8	1			0.0000E+00
	34.391		0.0000	0.0000%	10525	1188	8.9	1			0.0000E+00

TOTAL AMOUNT = 2999.9985

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
TCMX	8.66	DBC
C	31.51	DBC
cachlorobiphenyl	40.32	DBC

reas, times, and heights stored in: F:ANOVW6.ATB
ta File = F:ANOVW6.PTS Printed on 11-03-1994 at 11:57:26
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:57:41 Version 5.1.5 **********

Sample Name: AR1221 @ 1000 ug/L

Date: 11-02-1994 23:45:06 Method: E:K1221N1 Data File: F:BNOVW6 11-03-1994 11:37:22 # 165

Interface: 1 Cycle#: 6 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00

Area reject: 5000

Amount injected: 0.50

Sample Weight: 1.00000

Ending retention time: 45.00

One sample per 0.402 sec.

Dilution factor: 1000.00

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REP PEAK	% DELTA RET TIME	CONC/AREA
4	8.985		0.0000	0.0000%	50350	6822	7.4	2			0.0000E+00
6	9.976		0.0000	0.0000%	58343	8234	7.1	2			0.0000E+00
7	11.189	Aroclor-1221	999.9980	33.3320%	103481	14561	7.1	2	0	0	9.6636E-03
8	11.718	Aroclor-1221	1000.1110	33.3358%	82198	11649	7.1	2	0	0	1.2167E-02
9	12.027	Aroclor-1221	1000.0009	33.3321%	297710	39420	7.6	2	0	0	3.3590E-03
12	14.110		0.0000	0.0000%	26929	3530	7.6	2			0.0000E+00
13	14.405		0.0000	0.0000%	93167	8060	11.6	3			0.0000E+00
	15.309		0.0000	0.0000%	17071	2316	7.4	1			0.0000E+00
	16.455		0.0000	0.0000%	8103	888	9.1	2			0.0000E+00
19	16.817		0.0000	0.0000%	41186	3799	10.8	2			0.0000E+00
20	17.380		0.0000	0.0000%	20855	2575	8.1	2			0.0000E+00
21	17.802		0.0000	0.0000%	9218	1182	7.8	2			0.0000E+00
23	18.787		0.0000	0.0000%	8244	1041	7.9	2			0.0000E+00
24	19.142		0.0000	0.0000%	10500	634	16.6	2			0.0000E+00
26	19.946		0.0000	0.0000%	5181	666	7.8	2			0.0000E+00
27	20.154		0.0000	0.0000%	6686	770	8.7	2			0.0000E+00
32	22.197		0.0000	0.0000%	6306	772	8.2	2			0.0000E+00
33	22.432		0.0000	0.0000%	12489	1416	8.8	2			0.0000E+00
35	23.329		0.0000	0.0000%	5404	524	10.3	2			0.0000E+00
36	23.685		0.0000	0.0000%	13406	1351	9.9	2			0.0000E+00
41	25.004		0.0000	0.0000%	5135	735	7.0	2			0.0000E+00
43	25.487		0.0000	0.0000%	10153	1320	7.7	2			0.0000E+00
46	26.673		0.0000	0.0000%	10046	1026	9.8	1			0.0000E+00
49	27.705		0.0000	0.0000%	5311	758	7.0	2			0.0000E+00
52	28.555		0.0000	0.0000%	7653	846	9.0	2			0.0000E+00
53	28.857		0.0000	0.0000%	6913	887	7.8	1			0.0000E+00
54	29.420		0.0000	0.0000%	23969	3062	7.8	3			0.0000E+00
64	34.639		0.0000	0.0000%	5509	353	15.6	2			0.0000E+00
65	35.095		0.0000	0.0000%	9807	576	17.0	2			0.0000E+00
66	35.577		0.0000	0.0000%	49011	1901	25.8	2			0.0000E+00
67	36.341		0.0000	0.0000%	31728	1203	26.4	2			0.0000E+00
68	36.957		0.0000	0.0000%	28944	1262	22.9	2			0.0000E+00

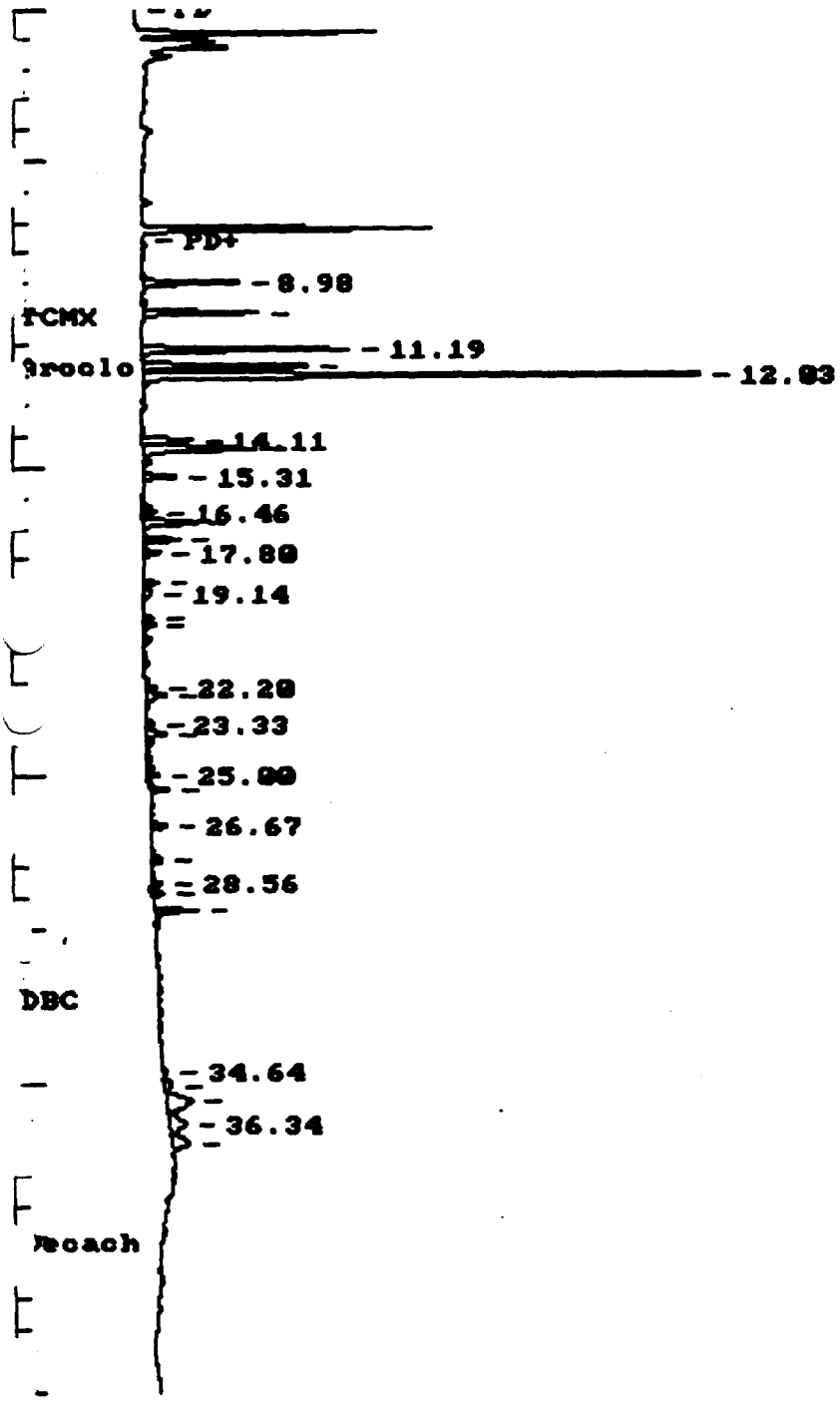
TOTAL AMOUNT = 3000.1099

PEAKS NOT FOUND IN THIS RUN

	ADJUSTED RET.TIME.	REFERENCE PEAK
TCMX	10.08	DBC

DBC	32.31	DBC
ecachlorobiphenyl	40.13	DBC

reas, times, and heights stored in: F:BNOVW6.ATB
a File = F:BNOVW6.PTS Printed on 11-03-1994 at 11:57:47
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



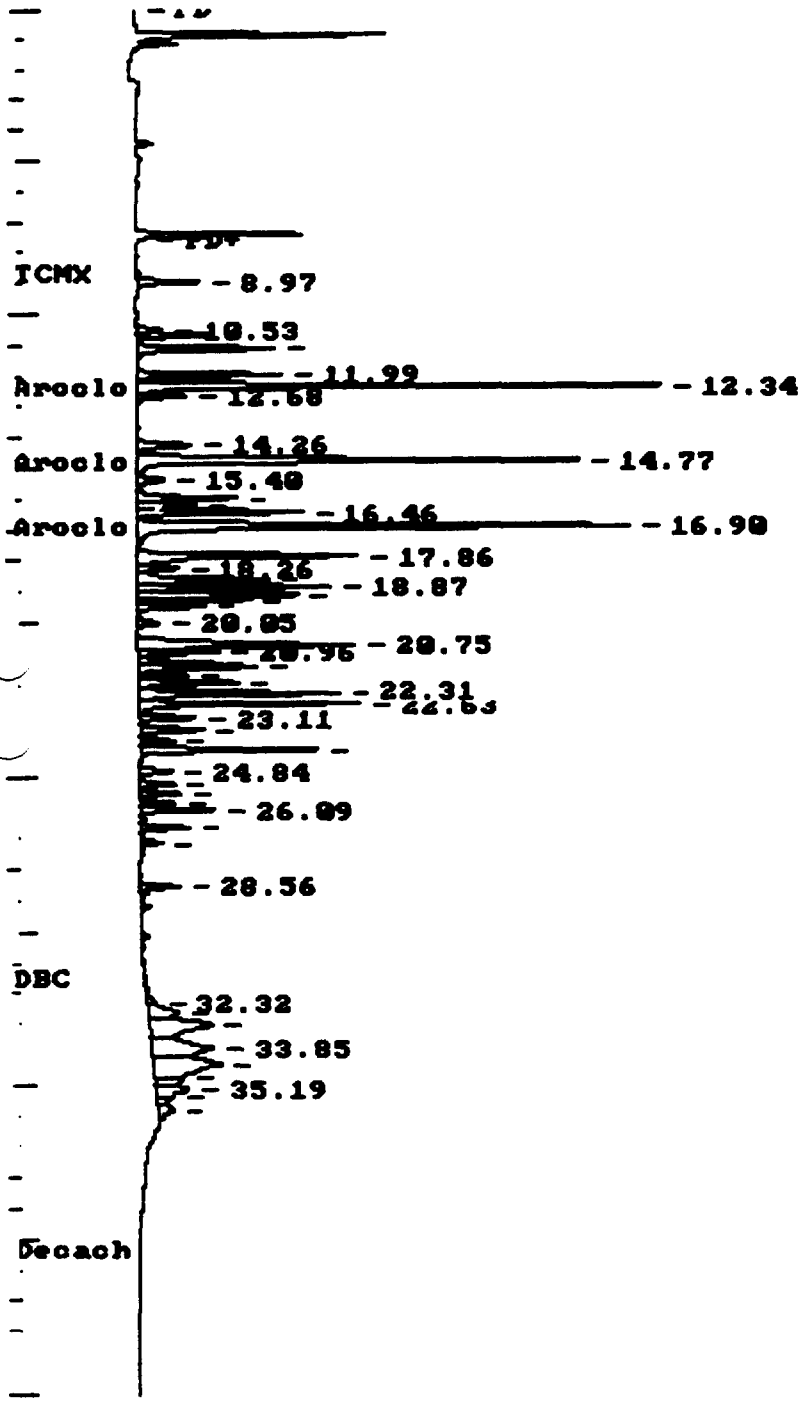
43	26.090	0.0000	0.0000%	38184	5316	7.2	2	0.0000E+00
45	26.673	0.0000	0.0000%	25717	3495	7.4	2	0.0000E+00
[illegible]	27.162	0.0000	0.0000%	10271	1545	6.6	2	0.0000E+00
[illegible]1	28.555	0.0000	0.0000%	20412	2826	7.2	2	0.0000E+00
61	32.321	0.0000	0.0000%	7095	694	10.2	2	0.0000E+00
62	32.669	0.0000	0.0000%	39206	2232	17.6	2	0.0000E+00
63	33.085	0.0000	0.0000%	113368	4414	25.7	2	0.0000E+00
64	33.848	0.0000	0.0000%	118962	4361	27.3	2	0.0000E+00
65	34.378	0.0000	0.0000%	132985	4820	27.6	2	0.0000E+00
66	34.800	0.0000	0.0000%	33118	2104	15.7	2	0.0000E+00
67	35.188	0.0000	0.0000%	35313	2379	14.8	2	0.0000E+00
68	35.430	0.0000	0.0000%	14288	1240	11.5	2	0.0000E+00
69	35.838	0.0000	0.0000%	22496	1103	20.4	2	0.0000E+00

TOTAL AMOUNT = 4000.0054

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
TCMX	8.66	DBC
DBC	31.51	DBC
Decachlorobiphenyl	40.32	DBC

Areas, times, and heights stored in: F:ANOVW7.ATB
Data File = F:ANOVW7.PTS Printed on 11-03-1994 at 11:58:09
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:58:24 Version 5.1.5 **********

* Sample Name: AR1232 @ 1000 ug/L Data File: F:BNOVW7 *
* Date: 11-03-1994 00:38:16 Method: E:K1232N1 11-03-1994 11:42:44 # 165*
* Interface: 1 Cycle#: 7 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	8.991		0.0000	0.0000%	32354	4406	7.3	2			0.0000E+00
6	9.976		0.0000	0.0000%	43278	6204	7.0	1			0.0000E+00
7	11.189		0.0000	0.0000%	73905	10410	7.1	2			0.0000E+00
8	11.718		0.0000	0.0000%	67718	9708	7.0	2			0.0000E+00
9	12.027	Aroclor-1232	999.9988	24.9962%	276274	36674	7.5	2	0	0	3.6196E-03
10	13.085		0.0000	0.0000%	12080	1676	7.2	1			0.0000E+00
	14.117		0.0000	0.0000%	20320	3390	6.0	2			0.0000E+00
	14.284	Aroclor-1232	1000.0017	24.9963%	156817	19708	8.0	2	0	0	6.3769E-03
14	14.392		0.0000	0.0000%	118481	16448	7.2	2			0.0000E+00
15	14.854		0.0000	0.0000%	19456	2174	8.9	2			0.0000E+00
16	15.309	Aroclor-1232	1000.0014	24.9963%	116158	15294	7.6	2	0	0	8.6090E-03
19	16.308		0.0000	0.0000%	27790	3611	7.7	2			0.0000E+00
20	16.442		0.0000	0.0000%	17775	2410	7.4	2			0.0000E+00
21	16.810	Aroclor-1232	1000.0006	24.9963%	326221	30743	10.6	2	0	0	3.0654E-03
22	17.380		0.0000	0.0000%	148885	17526	8.5	2			0.0000E+00
23	17.802		0.0000	0.0000%	78185	8968	8.7	2			0.0000E+00
24	18.097		0.0000	0.0000%	26062	3156	8.3	2			0.0000E+00
25	18.532		0.0000	0.0000%	10518	1313	8.0	2			0.0000E+00
26	18.787		0.0000	0.0000%	99726	12292	8.1	2			0.0000E+00
27	19.035		0.0000	0.0000%	85242	10048	8.5	2			0.0000E+00
28	19.229		0.0000	0.0000%	67331	7139	9.4	2			0.0000E+00
30	19.953		0.0000	0.0000%	110912	13294	8.3	2			0.0000E+00
31	20.147		0.0000	0.0000%	77404	8666	8.9	2			0.0000E+00
32	20.643		0.0000	0.0000%	118335	11993	9.9	2			0.0000E+00
33	21.105		0.0000	0.0000%	27212	3249	8.4	2			0.0000E+00
34	21.420		0.0000	0.0000%	8589	971	8.8	2			0.0000E+00
36	21.989		0.0000	0.0000%	53305	6585	8.1	2			0.0000E+00
37	22.197		0.0000	0.0000%	111692	13290	8.4	2			0.0000E+00
38	22.405		0.0000	0.0000%	126346	14093	9.0	2			0.0000E+00
39	22.800		0.0000	0.0000%	12137	1190	10.2	2			0.0000E+00
	23.309		0.0000	0.0000%	94574	11074	8.5	2			0.0000E+00
	23.678		0.0000	0.0000%	44112	3833	11.5	2			0.0000E+00
42	23.959		0.0000	0.0000%	17814	2288	7.8	2			0.0000E+00
	4.763		0.0000	0.0000%	14591	1909	7.6	2			0.0000E+00
	25.011		0.0000	0.0000%	21117	2774	7.6	2			0.0000E+00
47	25.219		0.0000	0.0000%	11753	1633	7.2	2			0.0000E+00
48	25.487		0.0000	0.0000%	39752	5306	7.5	2			0.0000E+00
49	26.009		0.0000	0.0000%	10353	1418	7.3	2			0.0000E+00

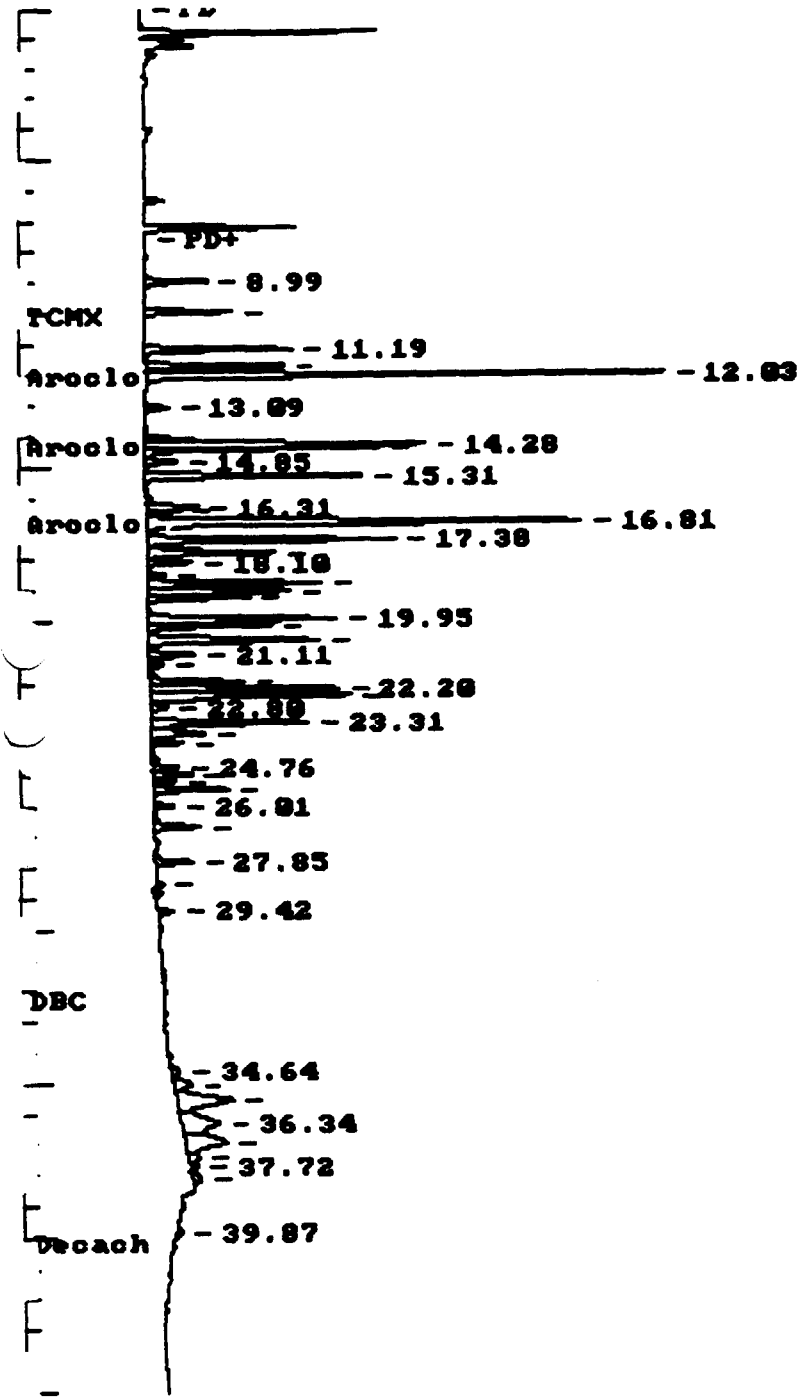
	26.693		0.0000	0.0000%	26703	3323	8.0	2			0.0000E+00
	27.845		0.0000	0.0000%	22129	2669	8.3	2			0.0000E+00
56	28.555		0.0000	0.0000%	5065	595	8.5	1			0.0000E+00
58	29.420		0.0000	0.0000%	8183	1163	7.0	1			0.0000E+00
65	34.639		0.0000	0.0000%	11968	717	16.7	2			0.0000E+00
66	35.081		0.0000	0.0000%	23115	1302	17.7	2			0.0000E+00
67	35.570		0.0000	0.0000%	90338	4003	22.6	2			0.0000E+00
68	36.341		0.0000	0.0000%	79545	2723	29.2	2			0.0000E+00
69	36.964		0.0000	0.0000%	74959	2949	25.4	2			0.0000E+00
70	37.453		0.0000	0.0000%	13250	893	14.8	2			0.0000E+00
71	37.721		0.0000	0.0000%	8206	609	13.5	2			0.0000E+00
72	38.150		0.0000	0.0000%	14008	668	21.0	2			0.0000E+00
74	39.872	Decachlorobiphenyl	0.5983	0.0150%	6895	436	15.8	1	0	-.6510	8.6779E-05

TOTAL AMOUNT = 4000.6008

PEAKS NOT FOUND IN THIS RUN

IAME	ADJUSTED RET.TIME.	REFERENCE PEAK
TCMX	10.08	DBC
DBC	32.31	DBC

Areas, times, and heights stored in: F:BNOVW7.ATB
ta File = F:BNOVW7.PTS Printed on 11-03-1994 at 11:58:31
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



11-3-94

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:58:46 Version 5.1.5 **********

Sample Name: AR1242 @ ~~1000~~ ug/L 800 Data File: F:ANOVW8

Date: 11-03-1994 01:31:21 Method: E:J1242N1 11-03-1994 11:43:43 # 165

Interface: 1 Cycle#: 8 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

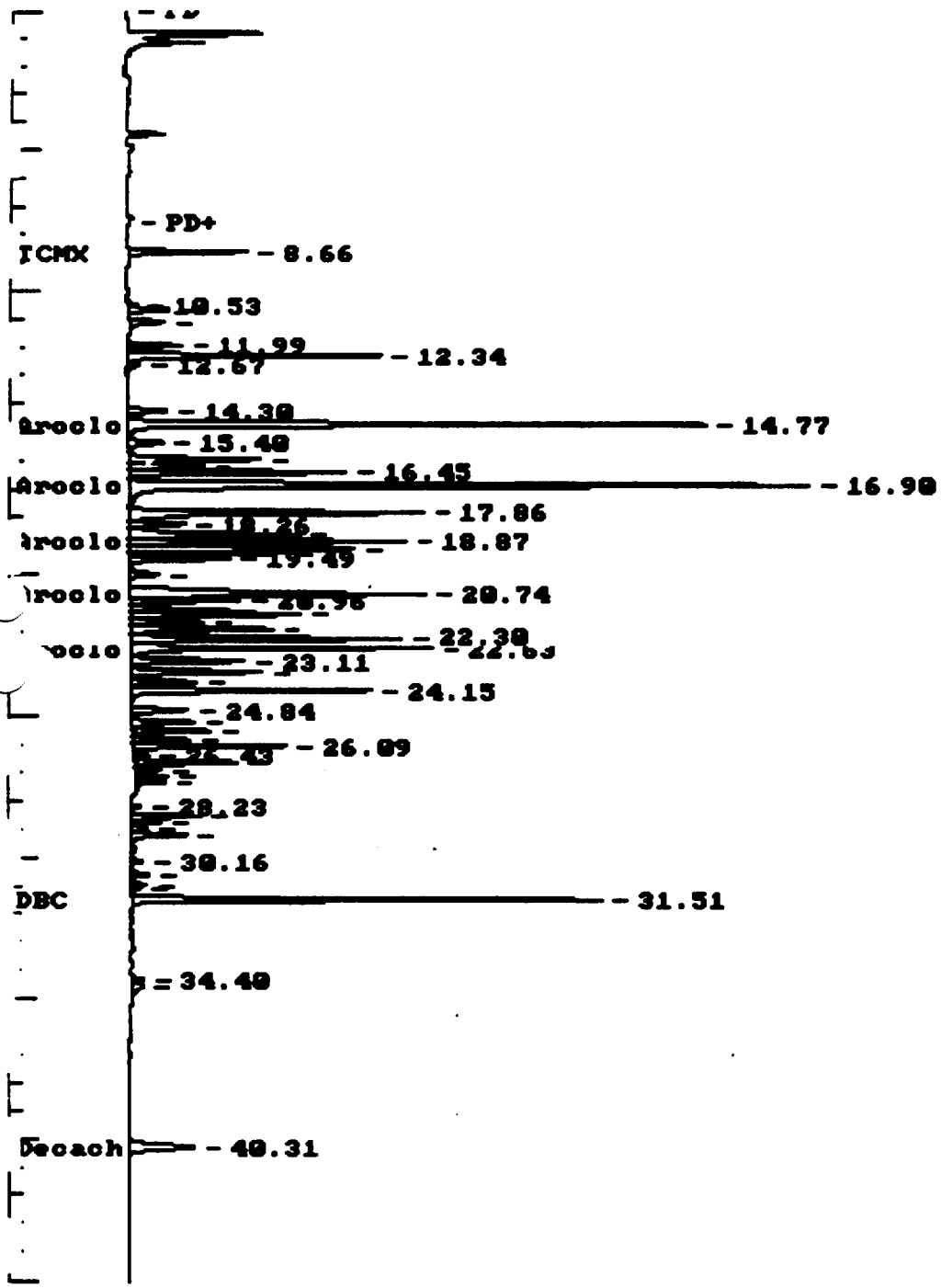
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.656	TCMX	7.3236	0.1808%	57107	9105	6.3	1	60	0	1.2824E-04
3	10.532		0.0000	0.0000%	5317	690	7.7	2			0.0000E+00
4	10.713		0.0000	0.0000%	24928	3213	7.8	2			0.0000E+00
5	11.149		0.0000	0.0000%	26190	2748	9.5	1			0.0000E+00
6	11.986		0.0000	0.0000%	30174	4104	7.4	2			0.0000E+00
7	12.341		0.0000	0.0000%	148557	19386	7.7	3			0.0000E+00
	12.670		0.0000	0.0000%	8339	901	9.3	4			0.0000E+00
	14.305		0.0000	0.0000%	25249	2983	8.5	2			0.0000E+00
11	14.767	Aroclor-1242	799.9994	19.7490%	374517	44456	8.4	2	60	0	2.1361E-03
12	15.403		0.0000	0.0000%	28544	2691	10.6	2			0.0000E+00
13	16.000		0.0000	0.0000%	82648	10203	8.1	2			0.0000E+00
14	16.234		0.0000	0.0000%	44220	5782	7.6	2			0.0000E+00
15	16.448		0.0000	0.0000%	139958	16734	8.4	2			0.0000E+00
16	16.897	Aroclor-1242	800.0004	19.7490%	527658	52393	10.1	2	60	0	1.5161E-03
17	17.856		0.0000	0.0000%	203444	22577	9.0	2			0.0000E+00
18	18.258		0.0000	0.0000%	37089	4326	8.6	2			0.0000E+00
19	18.633		0.0000	0.0000%	115627	13099	8.8	2			0.0000E+00
20	18.867	Aroclor-1242	799.9984	19.7490%	176016	21188	8.3	2	60	0	4.5450E-03
21	19.129		0.0000	0.0000%	154938	17358	8.9	2			0.0000E+00
22	19.269		0.0000	0.0000%	92036	12034	7.6	2			0.0000E+00
23	19.490		0.0000	0.0000%	65814	7754	8.5	2			0.0000E+00
24	20.053		0.0000	0.0000%	21940	2327	9.4	2			0.0000E+00
25	20.743	Aroclor-1242	799.9986	19.7490%	238067	22641	10.5	2	60	0	3.3604E-03
26	20.958		0.0000	0.0000%	71098	8474	8.4	2			0.0000E+00
27	21.333		0.0000	0.0000%	55376	7583	7.3	2			0.0000E+00
28	21.453		0.0000	0.0000%	111649	13068	8.5	2			0.0000E+00
29	21.735		0.0000	0.0000%	47461	5721	8.3	2			0.0000E+00
30	21.969		0.0000	0.0000%	91775	10899	8.4	2			0.0000E+00
31	22.304		0.0000	0.0000%	171939	20724	8.3	2			0.0000E+00
32	22.633	Aroclor-1242	800.0007	19.7490%	206418	23068	8.9	2	60	0	3.8756E-03
	23.108		0.0000	0.0000%	71975	8664	8.3	2			0.0000E+00
34	23.497		0.0000	0.0000%	86143	9964	8.6	2			0.0000E+00
	23.859		0.0000	0.0000%	36518	4973	7.3	2			0.0000E+00
	4.147		0.0000	0.0000%	136677	18267	7.5	2			0.0000E+00
	24.837		0.0000	0.0000%	38506	4411	8.7	1			0.0000E+00
38	25.259		0.0000	0.0000%	41963	4865	8.6	2			0.0000E+00
39	25.567		0.0000	0.0000%	42304	6003	7.0	2			0.0000E+00
40	25.662		0.0000	0.0000%	30933	4429	7.0	2			0.0000E+00

41	26.090		0.0000	0.0000%	81346	11696	7.0	2			0.0000E+00
	26.431		0.0000	0.0000%	9589	1131	8.5	2			0.0000E+00
43	26.666		0.0000	0.0000%	55502	7876	7.0	2			0.0000E+00
44	26.927		0.0000	0.0000%	15159	2070	7.3	2			0.0000E+00
45	27.155		0.0000	0.0000%	15942	2487	6.4	2			0.0000E+00
46	27.356		0.0000	0.0000%	13389	2220	6.0	2			0.0000E+00
49	28.227		0.0000	0.0000%	5307	780	6.8	2			0.0000E+00
50	28.549		0.0000	0.0000%	37031	5326	7.0	2			0.0000E+00
51	28.756		0.0000	0.0000%	17611	2313	7.6	2			0.0000E+00
52	28.991		0.0000	0.0000%	10957	1269	8.6	2			0.0000E+00
53	29.225		0.0000	0.0000%	33806	4278	7.9	2			0.0000E+00
56	30.157		0.0000	0.0000%	7362	892	8.3	2			0.0000E+00
57	30.632		0.0000	0.0000%	11682	1371	8.5	2			0.0000E+00
58	30.987		0.0000	0.0000%	9325	1216	7.7	2			0.0000E+00
59	31.115		0.0000	0.0000%	5170	750	6.9	2			0.0000E+00
60	31.510	DBC	37.6763	0.9301%	251176	35968	7.0	1	60	0	1.5000E-04
64	34.398		0.0000	0.0000%	8220	912	9.0	2			0.0000E+00
65	34.606		0.0000	0.0000%	12556	823	15.3	2			0.0000E+00
66	40.314	Decachlorobiphenyl	5.8376	0.1441%	65927	4897	13.5	1	60	0	8.8546E-05

TOTAL AMOUNT = 4050.8350

eas, times, and heights stored in: F:ANOVW8.ATB
a File = F:ANOVW8.PTS Printed on 11-03-1994 at 11:58:53
cart time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



11-3-94

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:59:08 Version 5.1.5 **********

* Sample Name: AR1242 @ ~~1000~~ ug/L 800 Data File: F:BNOVW8 *
* Date: 11-03-1994 01:31:21 Method: E:K1242N1 11-03-1994 11:44:41 # 166*
* Interface: 1 Cycle#: 8 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: - *
* Misc. Information: *

****

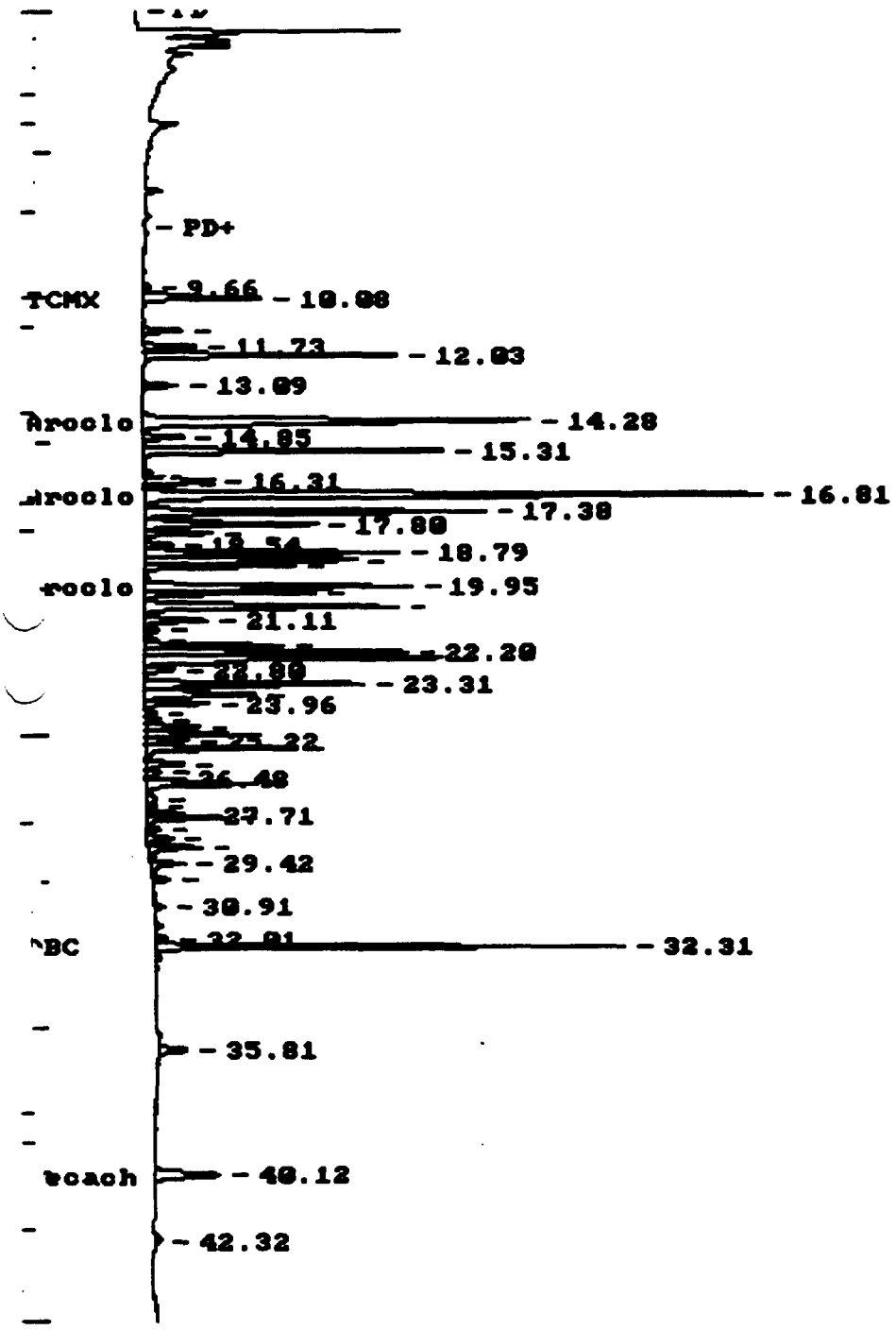
Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	9.661		0.0000	0.0000%	5145	447	11.5	2			0.0000E+00
6	10.077	TCMX	10.6672	0.2633%	78070	8763	8.9	2	68	0	1.3664E-04
7	11.189		0.0000	0.0000%	20772	2888	7.2	1			0.0000E+00
8	11.725		0.0000	0.0000%	27486	3943	7.0	2			0.0000E+00
9	12.027		0.0000	0.0000%	137434	18910	7.3	2			0.0000E+00
10	13.085		0.0000	0.0000%	18677	2568	7.3	1			0.0000E+00
	14.284	Aroclor-1242	800.0009	19.7479%	337898	28868	11.7	2	68	0	2.3676E-03
	14.854		0.0000	0.0000%	23906	2979	8.0	2			0.0000E+00
13	15.309	Aroclor-1242	800.0015	19.7479%	169809	22364	7.6	2	68	0	4.7112E-03
16	16.308		0.0000	0.0000%	41336	5174	8.0	2			0.0000E+00
17	16.442		0.0000	0.0000%	22923	3251	7.1	2			0.0000E+00
18	16.810	Aroclor-1242	799.9998	19.7479%	485601	46375	10.5	2	68	0	1.6474E-03
19	17.380	Aroclor-1242	800.0016	19.7479%	214263	25455	8.4	2	68	0	3.7337E-03
20	17.802		0.0000	0.0000%	112006	12888	8.7	2			0.0000E+00
21	18.097		0.0000	0.0000%	42544	5081	8.4	3			0.0000E+00
23	18.539		0.0000	0.0000%	17246	2096	8.2	2			0.0000E+00
24	18.787		0.0000	0.0000%	154741	19030	8.1	2			0.0000E+00
25	19.035		0.0000	0.0000%	132634	15773	8.4	2			0.0000E+00
26	19.229		0.0000	0.0000%	107566	11265	9.5	2			0.0000E+00
28	19.953	Aroclor-1242	799.9992	19.7479%	166652	19942	8.4	2	68	0	4.8004E-03
29	20.147		0.0000	0.0000%	112802	12823	8.8	2			0.0000E+00
30	20.643		0.0000	0.0000%	183617	18880	9.7	2			0.0000E+00
31	21.105		0.0000	0.0000%	40181	4700	8.5	2			0.0000E+00
32	21.440		0.0000	0.0000%	10286	1119	9.2	2			0.0000E+00
33	21.768		0.0000	0.0000%	7293	935	7.8	2			0.0000E+00
34	21.989		0.0000	0.0000%	83202	10325	8.1	2			0.0000E+00
35	22.197		0.0000	0.0000%	164563	19546	8.4	2			0.0000E+00
36	22.405		0.0000	0.0000%	200403	22164	9.0	2			0.0000E+00
37	22.800		0.0000	0.0000%	23850	2298	10.4	2			0.0000E+00
38	23.309		0.0000	0.0000%	141954	16330	8.7	2			0.0000E+00
39	23.685		0.0000	0.0000%	92211	8252	11.2	2			0.0000E+00
	23.959		0.0000	0.0000%	39002	4760	8.2	2			0.0000E+00
41	24.301		0.0000	0.0000%	7047	764	9.2	2			0.0000E+00
	24.502		0.0000	0.0000%	9508	1133	8.4	2			0.0000E+00
	24.763		0.0000	0.0000%	32430	4021	8.1	2			0.0000E+00
4	25.011		0.0000	0.0000%	48032	6086	7.9	2			0.0000E+00
45	25.219		0.0000	0.0000%	25750	3219	8.0	2			0.0000E+00
46	25.487		0.0000	0.0000%	89423	11155	8.0	2			0.0000E+00

	26.009		0.0000	0.0000%	26669	2918	9.1	2			0.0000E+00
	26.291		0.0000	0.0000%	9797	1119	8.8	2			0.0000E+00
49	26.478		0.0000	0.0000%	6181	1026	6.0	2			0.0000E+00
50	26.686		0.0000	0.0000%	78393	8290	9.5	3			0.0000E+00
51	27.189		0.0000	0.0000%	13430	810	16.6	4			0.0000E+00
52	27.437		0.0000	0.0000%	6487	728	8.9	2			0.0000E+00
53	27.711		0.0000	0.0000%	17704	2832	6.3	2			0.0000E+00
54	27.839		0.0000	0.0000%	53339	6094	8.8	3			0.0000E+00
55	28.234		0.0000	0.0000%	10474	1015	10.3	4			0.0000E+00
56	28.562		0.0000	0.0000%	19704	2030	9.7	2			0.0000E+00
57	28.857		0.0000	0.0000%	35627	4066	8.8	3			0.0000E+00
59	29.420		0.0000	0.0000%	23204	2630	8.8	3			0.0000E+00
61	29.969		0.0000	0.0000%	9819	1304	7.5	2			0.0000E+00
64	30.907		0.0000	0.0000%	5092	740	6.9	2			0.0000E+00
67	32.006		0.0000	0.0000%	7338	902	8.1	2			0.0000E+00
68	32.314	DBC	34.5888	0.8538%	247893	34921	7.1	2	68	0	1.3953E-04
72	35.812		0.0000	0.0000%	23156	2182	10.6	1			0.0000E+00
73	40.120	Decachlorobiphenyl	5.8053	0.1433%	66897	4885	13.7	1	68	0	8.6779E-05
74	42.317		0.0000	0.0000%	8074	502	16.1	1			0.0000E+00

TOTAL AMOUNT = 4051.0642

Areas, times, and heights stored in: F:BNOVW8.ATB
ta File = F:BNOVW8.PTS Printed on 11-03-1994 at 11:59:16
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:59:31 Version 5.1.5 **********

* Sample Name: AR1248 @ 1000 ug/L Data File: F:ANOVW9 *
* Date: 11-03-1994 02:24:30 Method: E:J1248N1 11-03-1994 11:45:38 # 165*
* Interface: 1 Cycle#: 9 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: - *
* Misc. Information: *

****

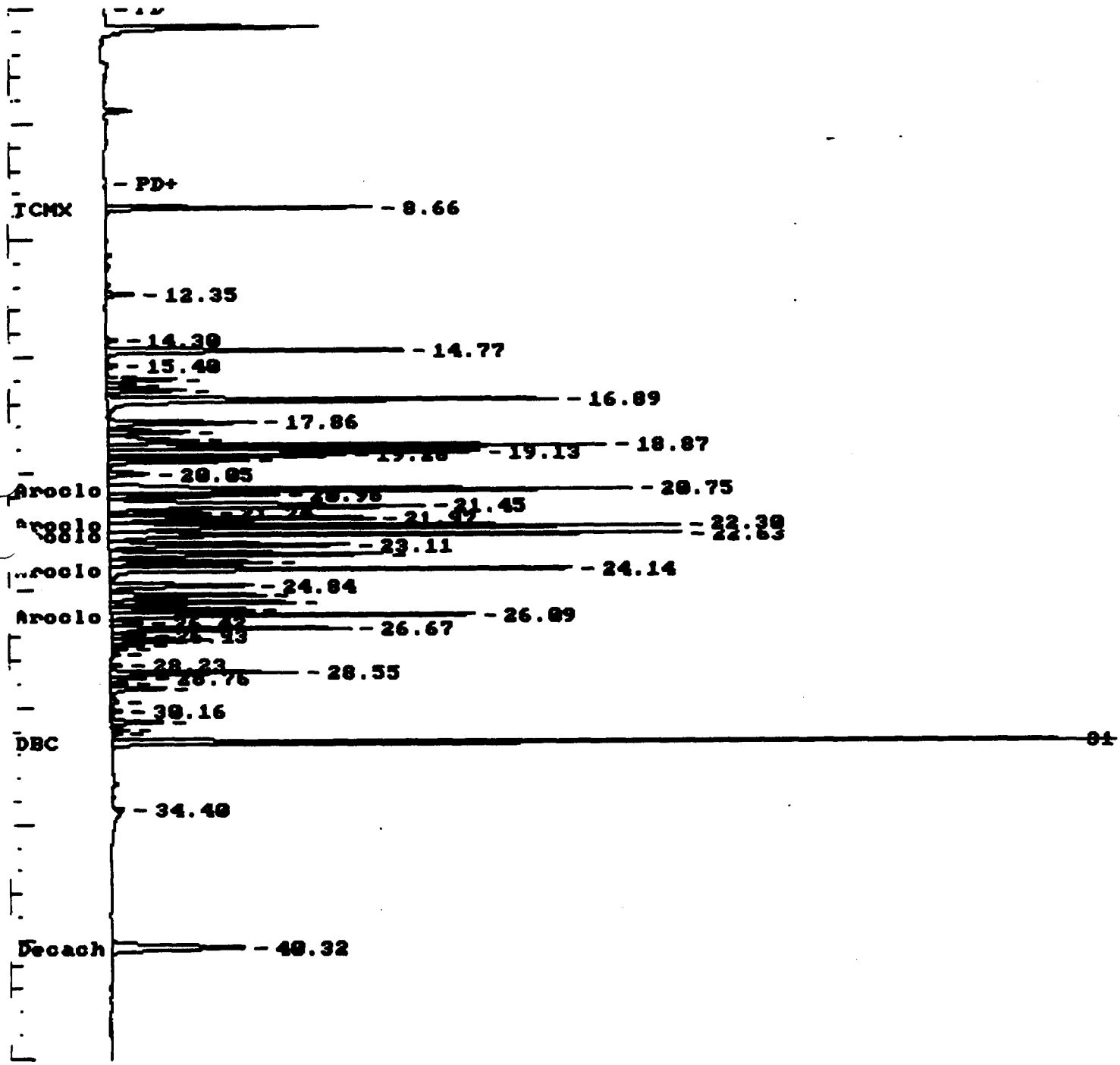
Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.656	TCMX	19.8371	0.3866%	154682	24831	6.2	1	65	0	1.2824E-04
7	12.348		0.0000	0.0000%	19288	2613	7.4	1			0.0000E+00
9	14.305		0.0000	0.0000%	8329	1047	8.0	2			0.0000E+00
10	14.767		0.0000	0.0000%	224024	27615	8.1	2			0.0000E+00
11	15.397		0.0000	0.0000%	8137	952	8.5	2			0.0000E+00
12	16.000		0.0000	0.0000%	50154	6485	7.7	2			0.0000E+00
13	16.234		0.0000	0.0000%	21612	2742	7.9	2			0.0000E+00
	16.455		0.0000	0.0000%	60226	7391	8.1	2			0.0000E+00
[illegible]	16.891		0.0000	0.0000%	425195	42102	10.1	2			0.0000E+00
16	17.856		0.0000	0.0000%	116200	13757	8.4	2			0.0000E+00
17	18.258		0.0000	0.0000%	64524	7706	8.4	2			0.0000E+00
18	18.633		0.0000	0.0000%	85265	8538	10.0	2			0.0000E+00
19	18.867		0.0000	0.0000%	390932	46507	8.4	2			0.0000E+00
20	19.129		0.0000	0.0000%	307314	34532	8.9	2			0.0000E+00
21	19.263		0.0000	0.0000%	165043	22063	7.5	2			0.0000E+00
22	19.490		0.0000	0.0000%	111948	13126	8.5	2			0.0000E+00
23	20.053		0.0000	0.0000%	32371	3823	8.5	2			0.0000E+00
24	20.750	Aroclor-1248	999.9992	19.4887%	443154	48761	9.1	2	65	0	2.2566E-03
25	20.958		0.0000	0.0000%	127845	15865	8.1	2			0.0000E+00
26	21.453		0.0000	0.0000%	356253	29340	12.1	2			0.0000E+00
27	21.741		0.0000	0.0000%	77468	9369	8.3	2			0.0000E+00
28	21.969		0.0000	0.0000%	207870	24638	8.4	2			0.0000E+00
29	22.304	Aroclor-1248	999.9995	19.4887%	439323	53219	8.3	2	65	0	2.2762E-03
30	22.633	Aroclor-1248	999.9990	19.4887%	475461	53369	8.9	2	65	0	2.1032E-03
31	23.108		0.0000	0.0000%	191254	22269	8.6	2			0.0000E+00
32	23.504		0.0000	0.0000%	226353	25377	8.9	2			0.0000E+00
33	23.859		0.0000	0.0000%	115289	15001	7.7	2			0.0000E+00
34	24.140	Aroclor-1248	1000.0012	19.4888%	330720	42995	7.7	2	58	0	3.0237E-03
35	24.837		0.0000	0.0000%	117777	13146	9.0	2			0.0000E+00
36	25.259		0.0000	0.0000%	121899	14341	8.5	2			0.0000E+00
37	25.567		0.0000	0.0000%	121789	17108	7.1	2			0.0000E+00
8	25.882		0.0000	0.0000%	95189	13299	7.2	2			0.0000E+00
39	26.090	Aroclor-1248	999.9985	19.4887%	238542	33738	7.1	2	65	0	4.1921E-03
[illegible]	26.418		0.0000	0.0000%	25757	2880	8.9	2			0.0000E+00
	26.666		0.0000	0.0000%	163998	22172	7.4	2			0.0000E+00
[illegible]	26.927		0.0000	0.0000%	25416	3163	8.0	2			0.0000E+00
43	27.162		0.0000	0.0000%	65177	9313	7.0	2			0.0000E+00
44	27.349		0.0000	0.0000%	20033	3014	6.6	2			0.0000E+00

[illegible]	27.524		0.0000	0.0000%	10041	1482	6.8	2			0.0000E+00
[illegible]	27.758		0.0000	0.0000%	5104	649	7.9	2			0.0000E+00
[illegible]	28.227		0.0000	0.0000%	7263	1066	6.8	2			0.0000E+00
48	28.549		0.0000	0.0000%	117252	17311	6.8	2			0.0000E+00
49	28.756		0.0000	0.0000%	25032	3351	7.5	2			0.0000E+00
[illegible]0	28.991		0.0000	0.0000%	13685	1563	8.8	2			0.0000E+00
[illegible]1	29.219		0.0000	0.0000%	42273	5073	8.3	2			0.0000E+00
52	29.788		0.0000	0.0000%	8147	659	12.4	2			0.0000E+00
53	30.163		0.0000	0.0000%	8466	1068	7.9	2			0.0000E+00
[illegible]4	30.639		0.0000	0.0000%	35613	4729	7.5	2			0.0000E+00
[illegible]6	30.981		0.0000	0.0000%	10469	1578	6.6	2			0.0000E+00
57	31.115		0.0000	0.0000%	6379	872	7.3	2			0.0000E+00
8	31.510	DBC	96.6752	1.8841%	644503	94012	6.9	1	65	0	1.5000E-04
2	34.398		0.0000	0.0000%	5955	739	8.1	1			0.0000E+00
65	40.321	Decachlorobiphenyl	14.6566	0.2856%	165525	12290	13.5	1	65	0	8.8546E-05

TOTAL AMOUNT = 5131.1665

-eas, times, and heights stored in: F:ANOVW9.ATB
.ta File = F:ANOVW9.PTS Printed on 11-03-1994 at 11:59:39
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:59:54 Version 5.1.5 **********

Sample Name: AR1248 @ 1000 ug/L Data File: F:BNOVW9 *

* Date: 11-03-1994 02:24:30 Method: E:K1248N1 11-03-1994 11:46:40 # 167*

Interface: 1 Cycle#: 9 Operator MAC Channel#: 1 Vial#: N.A. *

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *

Solvent Description: DB-1;3.0 u film thickness *

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *

* Detector 0: FID Detector 1: *

* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

mount injected: 0.50 Dilution factor: 1000.00

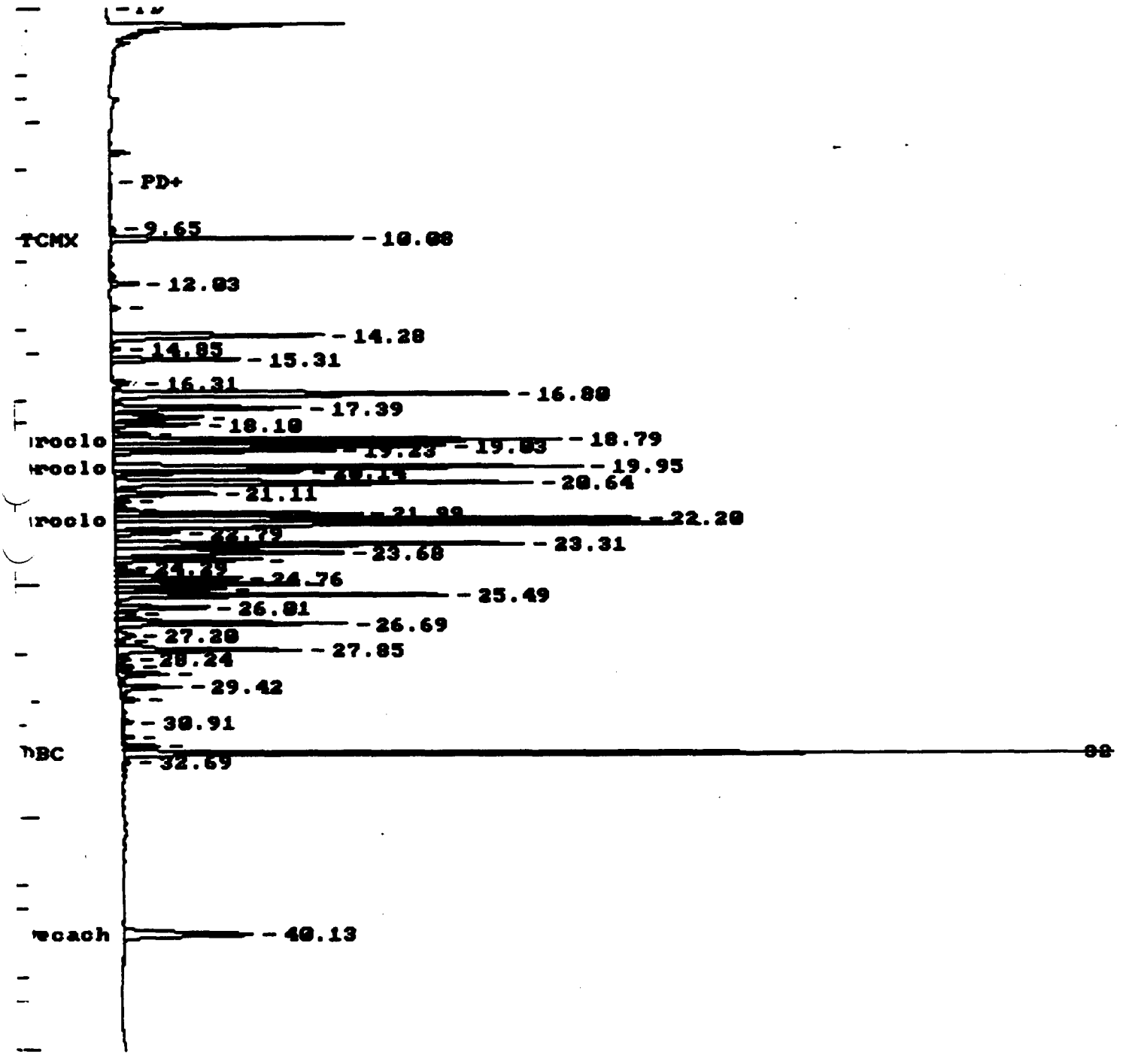
ample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	9.655		0.0000	0.0000%	5006	434	11.5	2			0.0000E+00
5	10.077	TCMX	19.8560	0.3874%	145326	22726	6.4	2	71	-.0448	1.3664E-04
9	12.027		0.0000	0.0000%	18473	2600	7.1	2			0.0000E+00
	13.085		0.0000	0.0000%	6972	963	7.2	1			0.0000E+00
11	14.278		0.0000	0.0000%	199496	19922	10.0	2			0.0000E+00
	14.847		0.0000	0.0000%	7081	926	7.6	2			0.0000E+00
	15.309		0.0000	0.0000%	90341	11984	7.5	1			0.0000E+00
16	16.308		0.0000	0.0000%	11508	1748	6.6	1			0.0000E+00
7	16.797		0.0000	0.0000%	386520	37078	10.4	2			0.0000E+00
8	17.393		0.0000	0.0000%	157046	17523	9.0	2			0.0000E+00
19	17.795		0.0000	0.0000%	80540	8359	9.6	2			0.0000E+00
20	18.097		0.0000	0.0000%	62900	8026	7.8	2			0.0000E+00
1	18.539		0.0000	0.0000%	25519	3348	7.6	2			0.0000E+00
2	18.787	Aroclor-1248	999.9990	19.5105%	347409	41982	8.3	2	71	0	2.8785E-03
23	19.035		0.0000	0.0000%	257249	31100	8.3	2			0.0000E+00
24	19.229		0.0000	0.0000%	192443	20665	9.3	2			0.0000E+00
5	19.953	Aroclor-1248	999.9998	19.5105%	365615	43993	8.3	2	71	0	2.7351E-03
26	20.140		0.0000	0.0000%	146151	17638	8.3	2			0.0000E+00
27	20.643	Aroclor-1248	1000.0009	19.5105%	375417	39230	9.6	2	71	.0152	2.6637E-03
9	21.105		0.0000	0.0000%	78266	9507	8.2	2			0.0000E+00
0	21.433		0.0000	0.0000%	12265	1428	8.6	2			0.0000E+00
31	21.768		0.0000	0.0000%	13649	1860	7.3	2			0.0000E+00
32	21.989		0.0000	0.0000%	187491	23171	8.1	2			0.0000E+00
3	22.197	Aroclor-1248	999.9990	19.5105%	410782	49403	8.3	2	65	0	2.4344E-03
34	22.405	Aroclor-1248	1000.0006	19.5105%	480926	53024	9.1	2	71	0	2.0793E-03
35	22.793		0.0000	0.0000%	55797	6079	9.2	2			0.0000E+00
6	23.309		0.0000	0.0000%	324944	38375	8.5	2			0.0000E+00
7	23.685		0.0000	0.0000%	245272	21310	11.5	2			0.0000E+00
38	23.959		0.0000	0.0000%	108391	13680	7.9	2			0.0000E+00
39	24.294		0.0000	0.0000%	8667	997	8.7	2			0.0000E+00
	24.502		0.0000	0.0000%	21524	2699	8.0	2			0.0000E+00
1	24.763		0.0000	0.0000%	92192	11762	7.8	2			0.0000E+00
	25.011		0.0000	0.0000%	130152	17046	7.6	2			0.0000E+00
	5.219		0.0000	0.0000%	76668	10357	7.4	2			0.0000E+00
4	25.487		0.0000	0.0000%	235028	31154	7.5	2			0.0000E+00
45	26.009		0.0000	0.0000%	67655	8652	7.8	2			0.0000E+00
46	26.298		0.0000	0.0000%	14852	1821	8.2	2			0.0000E+00
7	26.478		0.0000	0.0000%	15173	2284	6.6	2			0.0000E+00

48	26.693		0.0000	0.0000%	178654	21576	8.3	2			0.0000E+00
	27.195		0.0000	0.0000%	24477	1738	14.1	2			0.0000E+00
	27.437		0.0000	0.0000%	6392	814	7.9	2			0.0000E+00
51	27.845		0.0000	0.0000%	152102	17343	8.8	2			0.0000E+00
52	28.241		0.0000	0.0000%	12694	1276	10.0	2			0.0000E+00
53	28.562		0.0000	0.0000%	16470	1630	10.1	2			0.0000E+00
54	28.857		0.0000	0.0000%	41070	4903	8.4	3			0.0000E+00
56	29.420		0.0000	0.0000%	47026	5808	8.1	3			0.0000E+00
58	29.969		0.0000	0.0000%	12113	1635	7.4	2			0.0000E+00
61	30.914		0.0000	0.0000%	7432	966	7.7	2			0.0000E+00
63	31.564		0.0000	0.0000%	8159	1028	7.9	2			0.0000E+00
64	31.986		0.0000	0.0000%	26987	3486	7.7	2			0.0000E+00
65	32.314	DBC	91.1233	1.7779%	653067	94246	6.9	3	71	0	1.3953E-04
66	32.689		0.0000	0.0000%	5415	582	9.3	4			0.0000E+00
71	40.126	Decachlorobiphenyl	14.4694	0.2823%	166738	12151	13.7	1	71	0	8.6779E-05

TOTAL AMOUNT = 5125.4487

Areas, times, and heights stored in: F:BNOVW9.ATB
ta File = F:BNOVW9.PTS Printed on 11-03-1994 at 12:00:02
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 12:00:17 Version 5.1.5 **********

Sample Name: AR1254 @ 1000 ug/L Data File: F:ANOVW10

Date: 11-03-1994 03:17:40 Method: E:J1254N1 11-03-1994 11:47:53 # 165

Interface: 1 Cycle#: 10 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

mount injected: 0.50 Dilution factor: 1000.00

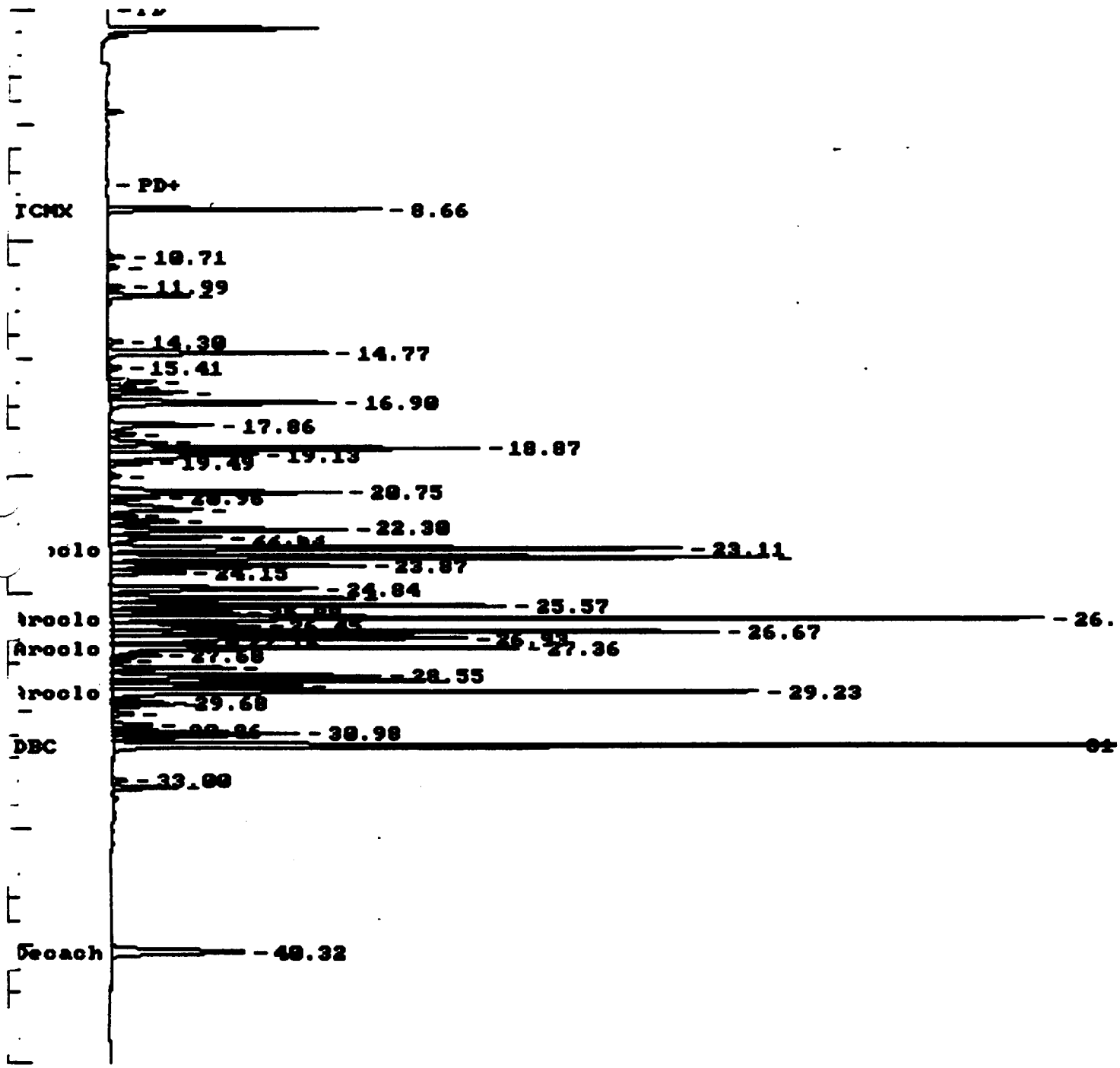
ample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.656	TCMX	20.2108	0.3929%	157596	25395	6.2	1	67	0	1.2824E-04
4	10.713		0.0000	0.0000%	11570	1530	7.6	2			0.0000E+00
5	11.149		0.0000	0.0000%	8180	1030	7.9	1			0.0000E+00
6	11.986		0.0000	0.0000%	11475	1593	7.2	2			0.0000E+00
7	12.348		0.0000	0.0000%	58205	7624	7.6	3			0.0000E+00
9	14.305		0.0000	0.0000%	10799	1326	8.1	2			0.0000E+00
	14.767		0.0000	0.0000%	167220	20363	8.2	2			0.0000E+00
	15.410		0.0000	0.0000%	11058	1126	9.8	2			0.0000E+00
2	16.000		0.0000	0.0000%	35188	4399	8.0	2			0.0000E+00
3	16.234		0.0000	0.0000%	19841	2539	7.8	2			0.0000E+00
14	16.455		0.0000	0.0000%	59715	7325	8.2	2			0.0000E+00
15	16.897		0.0000	0.0000%	208980	20900	10.0	1			0.0000E+00
6	17.862		0.0000	0.0000%	85956	9593	9.0	2			0.0000E+00
7	18.258		0.0000	0.0000%	20849	2455	8.5	2			0.0000E+00
18	18.639		0.0000	0.0000%	45970	5325	8.6	2			0.0000E+00
9	18.867		0.0000	0.0000%	286649	34359	8.3	2			0.0000E+00
0	19.129		0.0000	0.0000%	169398	13687	12.4	2			0.0000E+00
1	19.490		0.0000	0.0000%	32177	3862	8.3	2			0.0000E+00
22	20.053		0.0000	0.0000%	9152	1101	8.3	1			0.0000E+00
3	20.750		0.0000	0.0000%	193559	21458	9.0	2			0.0000E+00
4	20.958		0.0000	0.0000%	37875	4685	8.1	2			0.0000E+00
25	21.460		0.0000	0.0000%	102397	8654	11.8	2			0.0000E+00
26	21.735		0.0000	0.0000%	20305	2493	8.1	2			0.0000E+00
7	21.969		0.0000	0.0000%	53503	6366	8.4	2			0.0000E+00
8	22.304		0.0000	0.0000%	181124	21932	8.3	2			0.0000E+00
29	22.633		0.0000	0.0000%	104049	10278	10.1	2			0.0000E+00
0	23.108	Aroclor-1254	1000.0004	19.4389%	437780	53185	8.2	2	67	0	2.2843E-03
1	23.497	Aroclor-1254	999.9993	19.4388%	520310	61252	8.5	2	67	0	1.9219E-03
32	23.865		0.0000	0.0000%	182587	23569	7.7	2			0.0000E+00
33	24.147		0.0000	0.0000%	54834	6829	8.0	2			0.0000E+00
	24.837		0.0000	0.0000%	165846	19123	8.7	2			0.0000E+00
	25.252		0.0000	0.0000%	183427	22596	8.1	2			0.0000E+00
36	25.574		0.0000	0.0000%	262384	36696	7.2	2			0.0000E+00
	5.875		0.0000	0.0000%	83262	11845	7.0	2			0.0000E+00
	26.090	Aroclor-1254	999.9996	19.4388%	619298	86720	7.1	2	67	0	1.6147E-03
39	26.452		0.0000	0.0000%	140104	13769	10.2	2			0.0000E+00
40	26.666		0.0000	0.0000%	408197	56510	7.2	2			0.0000E+00
1	26.927		0.0000	0.0000%	290451	33003	8.8	2			0.0000E+00

	27.155		0.0000	0.0000%	64642	9708	6.7 2			0.0000E+00
	27.356	Aroclor-1254	999.9987	19.4388%	286915	37754	7.6 3	67	0	3.4854E-03
44	27.678		0.0000	0.0000%	31958	4204	7.6 4			0.0000E+00
45	27.919		0.0000	0.0000%	11217	1626	6.9 2			0.0000E+00
46	28.227		0.0000	0.0000%	75955	11398	6.7 2			0.0000E+00
47	28.549		0.0000	0.0000%	165682	24940	6.6 2			0.0000E+00
48	28.763		0.0000	0.0000%	216411	29019	7.5 2			0.0000E+00
49	28.991		0.0000	0.0000%	142427	17648	8.1 2			0.0000E+00
50	29.225	Aroclor-1254	999.9996	19.4388%	462405	60140	7.7 2	67	0	2.1626E-03
51	29.681		0.0000	0.0000%	34624	4777	7.2 2			0.0000E+00
52	29.788		0.0000	0.0000%	41138	5730	7.2 2			0.0000E+00
53	30.163		0.0000	0.0000%	15755	2024	7.8 2			0.0000E+00
54	30.639		0.0000	0.0000%	28116	3721	7.6 2			0.0000E+00
55	30.860		0.0000	0.0000%	22049	4162	5.3 2			0.0000E+00
56	30.981		0.0000	0.0000%	115023	17164	6.7 2			0.0000E+00
57	31.122		0.0000	0.0000%	77011	10472	7.4 2			0.0000E+00
58	31.510	DBC	109.4448	2.1275%	729634	99270	7.3 2	67	0	1.5000E-04
59	32.998		0.0000	0.0000%	12011	1315	9.1 2			0.0000E+00
60	33.306		0.0000	0.0000%	43384	5938	7.3 2			0.0000E+00
67	40.321	Decachlorobiphenyl	14.6854	0.2855%	165850	12215	13.6 1	67	0	8.8546E-05

TOTAL AMOUNT = 5144.3389

eas, times, and heights stored in: F:ANOVW10.ATB
a File = F:ANOVW10.PTS Printed on 11-03-1994 at 12:00:25
tart time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 12:00:40 Version 5.1.5 **********

* Sample Name: AR1254 @ 1000 ug/L Data File: F:BNOVW10 *
* Date: 11-03-1994 03:17:40 Method: E:K1254N1 11-03-1994 11:48:59 # 167*
* Interface: 1 Cycle#: 10 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
Misc. Information: *

****

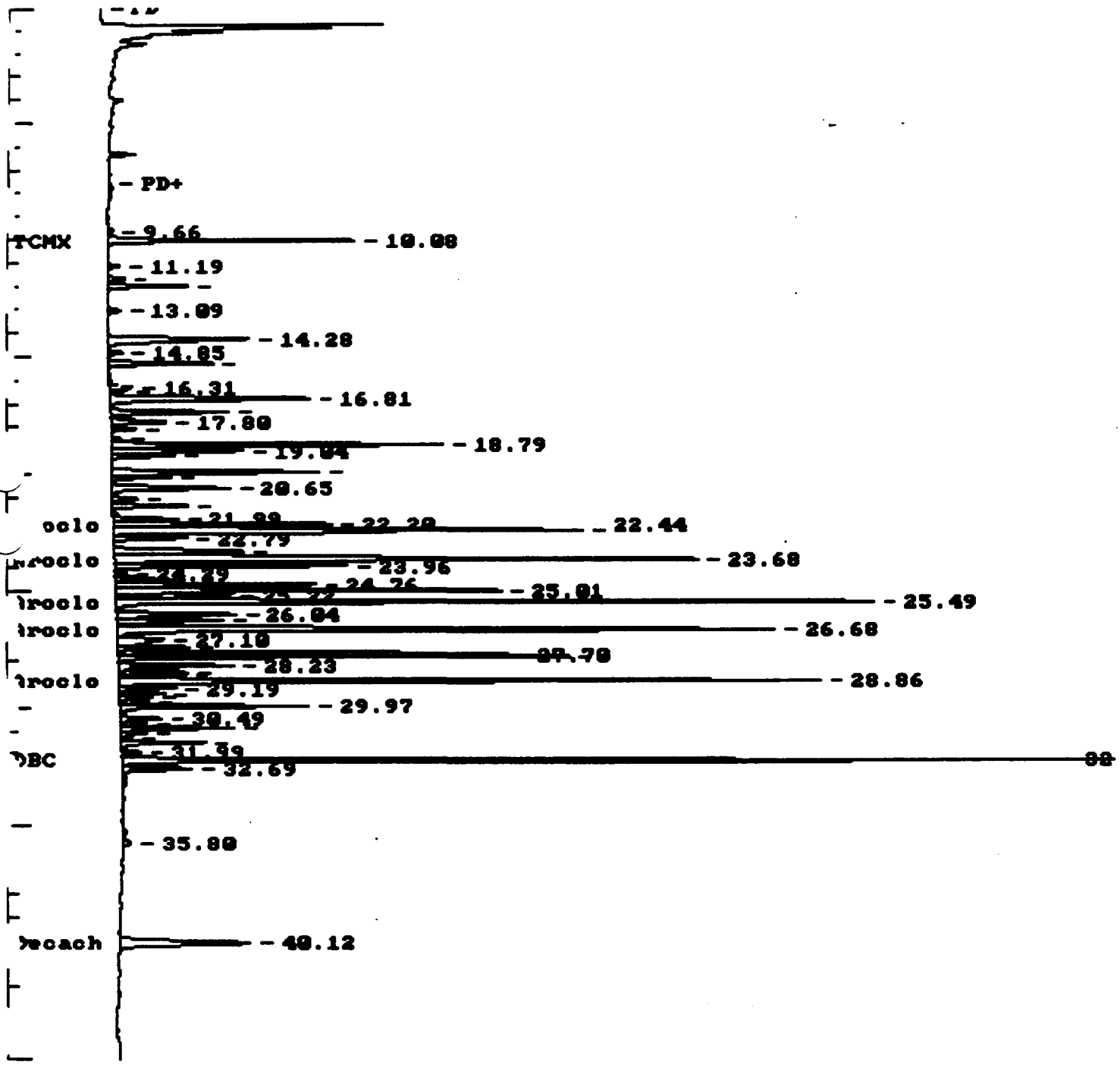
Starting Delay: 0.00 Ending retention time: 45.00
rea reject: 5000 One sample per 0.402 sec.
mount injected: 0.50 Dilution factor: 1000.00
ample Weight: 1.00000

AK UM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	9.661		0.0000	0.0000%	6633	506	13.1	2			0.0000E+00
7	10.083	TCMX	20.8876	0.4072%	152870	22925	6.7	2	81	0	1.3664E-04
8	11.189		0.0000	0.0000%	7628	1080	7.1	1			0.0000E+00
9	11.725		0.0000	0.0000%	11492	1516	7.6	2			0.0000E+00
	12.033		0.0000	0.0000%	52952	7402	7.2	2			0.0000E+00
	13.085		0.0000	0.0000%	8311	1140	7.3	1			0.0000E+00
12	14.284		0.0000	0.0000%	148123	13065	11.3	2			0.0000E+00
13	14.854		0.0000	0.0000%	9683	1256	7.7	2			0.0000E+00
4	15.316		0.0000	0.0000%	72138	9665	7.5	1			0.0000E+00
7	16.308		0.0000	0.0000%	16448	2183	7.5	2			0.0000E+00
18	16.455		0.0000	0.0000%	12938	1596	8.1	2			0.0000E+00
9	16.810		0.0000	0.0000%	197150	18538	10.6	2			0.0000E+00
0	17.387		0.0000	0.0000%	92440	11001	8.4	2			0.0000E+00
21	17.802		0.0000	0.0000%	43930	5119	8.6	2			0.0000E+00
22	18.097		0.0000	0.0000%	17825	2337	7.6	2			0.0000E+00
3	18.539		0.0000	0.0000%	5977	850	7.0	2			0.0000E+00
4	18.787		0.0000	0.0000%	251659	30830	8.2	2			0.0000E+00
25	19.041		0.0000	0.0000%	103501	12276	8.4	2			0.0000E+00
6	19.229		0.0000	0.0000%	53740	5964	9.0	2			0.0000E+00
7	19.953		0.0000	0.0000%	160103	19358	8.3	2			0.0000E+00
28	20.147		0.0000	0.0000%	44715	5560	8.0	2			0.0000E+00
29	20.649		0.0000	0.0000%	104542	10970	9.5	2			0.0000E+00
1	21.112		0.0000	0.0000%	20051	2417	8.3	2			0.0000E+00
2	21.400		0.0000	0.0000%	54678	7011	7.8	2			0.0000E+00
34	21.989		0.0000	0.0000%	48377	6089	7.9	2			0.0000E+00
5	22.197		0.0000	0.0000%	170565	20273	8.4	2			0.0000E+00
5	22.438	Aroclor-1254	999.9988	19.4970%	387338	43759	8.9	2	81	0	2.5817E-03
7	22.793		0.0000	0.0000%	56819	6818	8.3	2			0.0000E+00
38	23.376		0.0000	0.0000%	121518	12032	10.1	2			0.0000E+00
	23.685	Aroclor-1254	999.9993	19.4970%	541556	54377	10.0	2	81	0	1.8465E-03
0	23.959		0.0000	0.0000%	168681	21684	7.8	2			0.0000E+00
	24.288		0.0000	0.0000%	8968	1080	8.3	2			0.0000E+00
	4.509		0.0000	0.0000%	27906	3632	7.7	2			0.0000E+00
	24.763		0.0000	0.0000%	139911	18579	7.5	2			0.0000E+00
4	25.011		0.0000	0.0000%	269870	35878	7.5	2			0.0000E+00
45	25.219		0.0000	0.0000%	79005	10751	7.3	2			0.0000E+00
3	25.487	Aroclor-1254	999.9993	19.4970%	552696	70573	7.8	2	81	.0326	1.8093E-03
	26.036		0.0000	0.0000%	104397	11093	9.4	2			0.0000E+00

	26.284		0.0000	0.0000%	77319	9877	7.8	2			0.0000E+00
49	26.472		0.0000	0.0000%	25716	5120	5.0	2			0.0000E+00
50	26.679	Aroclor-1254	1000.0006	19.4971%	593661	61277	9.7	2	81	.0349	1.6845E-03
51	27.102		0.0000	0.0000%	62421	4357	14.3	2			0.0000E+00
52	27.443		0.0000	0.0000%	48736	6696	7.3	2			0.0000E+00
53	27.705		0.0000	0.0000%	243970	36195	6.7	2			0.0000E+00
54	27.825		0.0000	0.0000%	317094	41988	7.6	2			0.0000E+00
55	28.234		0.0000	0.0000%	81229	10675	7.6	2			0.0000E+00
56	28.542		0.0000	0.0000%	44166	6502	6.8	2			0.0000E+00
57	28.616		0.0000	0.0000%	34586	6217	5.6	2			0.0000E+00
58	28.857	Aroclor-1254	999.9997	19.4970%	511698	65298	7.8	2	81	.0330	1.9543E-03
59	29.192		0.0000	0.0000%	37734	5248	7.2	2			0.0000E+00
60	29.426		0.0000	0.0000%	29564	4199	7.0	2			0.0000E+00
61	29.560		0.0000	0.0000%	21450	3095	6.9	2			0.0000E+00
62	29.768		0.0000	0.0000%	19673	2750	7.2	2			0.0000E+00
63	29.969		0.0000	0.0000%	126390	17489	7.2	3			0.0000E+00
65	30.485		0.0000	0.0000%	27658	3796	7.3	2			0.0000E+00
66	30.699		0.0000	0.0000%	16400	2437	6.7	2			0.0000E+00
67	30.900		0.0000	0.0000%	75854	10553	7.2	2			0.0000E+00
68	31.122		0.0000	0.0000%	17695	2471	7.2	2			0.0000E+00
69	31.309		0.0000	0.0000%	8029	1092	7.4	2			0.0000E+00
70	31.557		0.0000	0.0000%	57702	7796	7.4	3			0.0000E+00
72	31.993		0.0000	0.0000%	16024	1778	9.0	2			0.0000E+00
3	32.314	DBC	93.5027	1.8230%	670119	97411	6.9	2	81	.0337	1.3953E-04
1	32.689		0.0000	0.0000%	51721	6480	8.0	3			0.0000E+00
80	35.798		0.0000	0.0000%	11093	749	14.8	2			0.0000E+00
1	40.120	Decachlorobiphenyl	14.5936	0.2845%	168169	12171	13.8	1	81	0	8.6779E-05

TOTAL AMOUNT = 5128.9814

eas, times, and heights stored in: F:BNOVW10.ATB
ta File = F:BNOVW10.PTS Printed on 11-03-1994 at 12:00:48
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 12:01:03 Version 5.1.5 **********

* Sample Name: TOXAPHENE @ 1000 ug/L Data File: F:ANOVW11 *
* Date: 11-03-1994 04:10:54 Method: E:JTOXN1 11-03-1994 11:53:24 # 327 *
* Interface: 1 Cycle#: 11 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 40 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

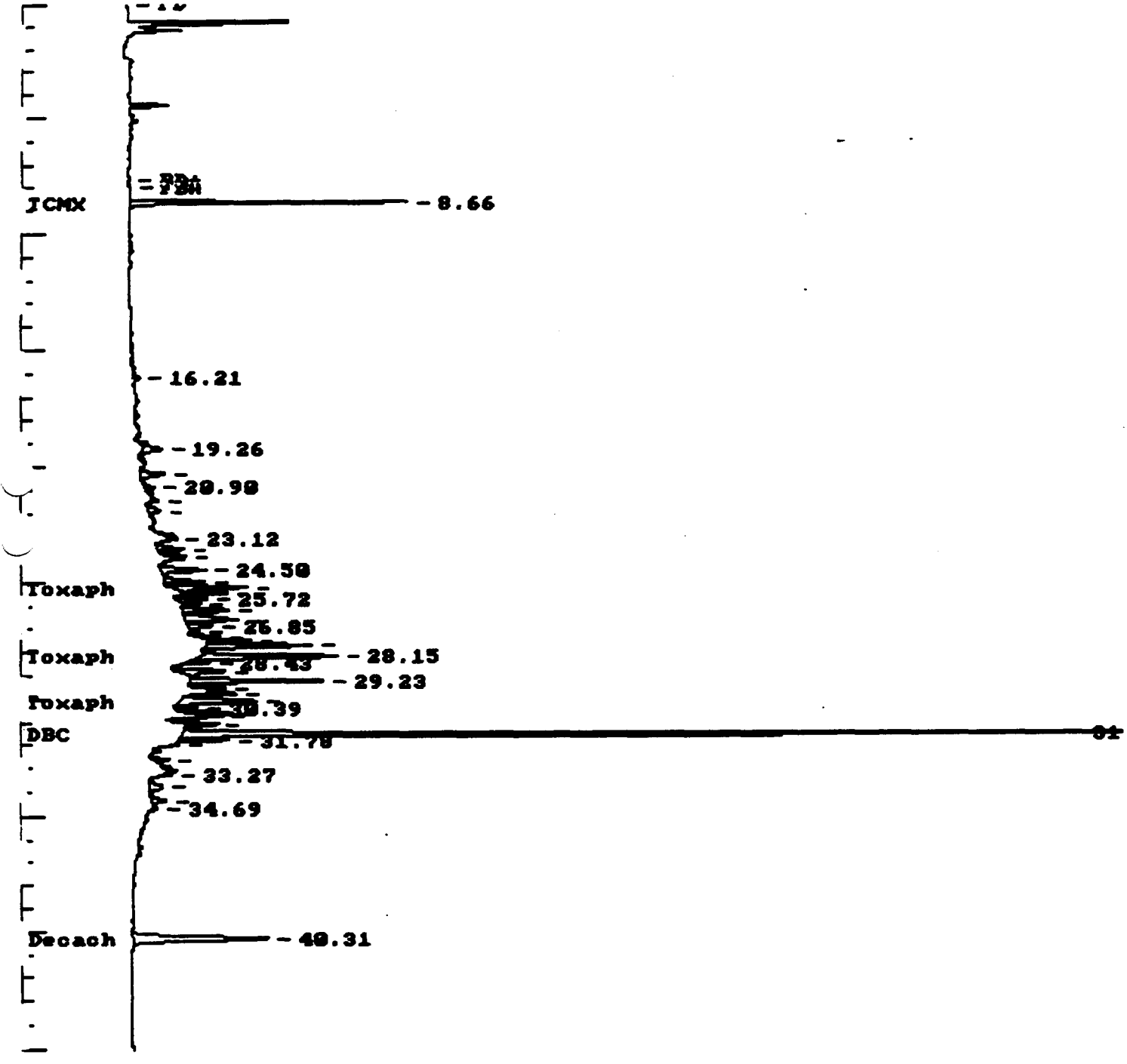
Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.656	TCMX	20.6649	0.4975%	161136	26028	6.2	1	0	0	1.2824E-04
11	16.207		0.0000	0.0000%	7382	643	11.5	1			0.0000E+00
9	19.263		0.0000	0.0000%	25008	1905	13.1	1			0.0000E+00
2	20.328		0.0000	0.0000%	26001	2325	11.2	1			0.0000E+00
23	20.904		0.0000	0.0000%	9059	928	9.8	1			0.0000E+00
[illegible]	21.474		0.0000	0.0000%	8384	984	8.5	1			0.0000E+00
	21.929		0.0000	0.0000%	15889	1129	14.1	1			0.0000E+00
30	23.122		0.0000	0.0000%	7834	713	11.0	1			0.0000E+00
31	23.577		0.0000	0.0000%	21692	2513	8.6	1			0.0000E+00
32	23.879		0.0000	0.0000%	6194	891	7.0	1			0.0000E+00
34	24.495		0.0000	0.0000%	41336	4134	10.0	1			0.0000E+00
35	24.971		0.0000	0.0000%	29558	3817	7.7	1			0.0000E+00
36	25.219	Toxaphene	999.9995	24.0767%	50003	6614	7.6	1	0	0	1.9999E-02
37	25.473		0.0000	0.0000%	28652	4146	6.9	1			0.0000E+00
38	25.721		0.0000	0.0000%	18928	2649	7.1	1			0.0000E+00
39	25.942		0.0000	0.0000%	8897	1650	5.4	1			0.0000E+00
40	26.210		0.0000	0.0000%	39928	4423	9.0	1			0.0000E+00
41	26.619		0.0000	0.0000%	57926	4964	11.7	1			0.0000E+00
42	26.854		0.0000	0.0000%	20367	2333	8.7	1			0.0000E+00
43	27.108		0.0000	0.0000%	5241	972	5.4	1			0.0000E+00
44	27.349		0.0000	0.0000%	8175	1150	7.1	1			0.0000E+00
45	27.490		0.0000	0.0000%	19317	3720	5.2	1			0.0000E+00
46	27.698		0.0000	0.0000%	89832	10044	8.9	1			0.0000E+00
48	28.153	Toxaphene	1000.0014	24.0768%	134975	12870	10.5	1	0	0	7.4088E-03
49	28.435		0.0000	0.0000%	13987	2349	6.0	1			0.0000E+00
50	28.810		0.0000	0.0000%	35153	3777	9.3	1			0.0000E+00
52	29.225	Toxaphene	999.9970	24.0766%	97707	12494	7.8	1	0	0	1.0235E-02
53	29.507		0.0000	0.0000%	9355	1702	5.5	1			0.0000E+00
55	29.781		0.0000	0.0000%	17398	3151	5.5	1			0.0000E+00
5	30.110	Toxaphene	999.9955	24.0766%	92719	7335	12.6	1	0	0	1.0785E-02
7	30.391		0.0000	0.0000%	10226	1985	5.2	1			0.0000E+00
58	30.632		0.0000	0.0000%	19330	2538	7.6	1			0.0000E+00
[illegible]	30.746		0.0000	0.0000%	8170	1674	4.9	1			0.0000E+00
	30.987		0.0000	0.0000%	7400	1621	4.6	1			0.0000E+00
[illegible]	31.122		0.0000	0.0000%	15618	2605	6.0	1			0.0000E+00
62	31.510	DBC	117.5898	2.8312%	783933	105891	7.4	1	0	0	1.5000E-04
63	31.785		0.0000	0.0000%	25655	4733	5.4	1			0.0000E+00
64	31.979		0.0000	0.0000%	5280	801	6.6	1			0.0000E+00

56	32.656		0.0000	0.0000%	8194	1230	6.7	1			0.0000E+00
[illegible]	33.272		0.0000	0.0000%	6415	927	6.9	1			0.0000E+00
71	33.781		0.0000	0.0000%	21115	1225	17.2	1			0.0000E+00
72	34.378		0.0000	0.0000%	13920	1365	10.2	1			0.0000E+00
73	34.686		0.0000	0.0000%	5612	602	9.3	1			0.0000E+00
79	40.314	Decachlorobiphenyl	15.1417	0.3646%	171003	12541	13.6	1	0	0	8.8546E-05

TOTAL AMOUNT = 4153.3896

Areas, times, and heights stored in: F:ANOVW11.ATB
Data File = F:ANOVW11.PTS Printed on 11-03-1994 at 12:01:11
Start time: 0.00 min. Stop time: 45.00 min. Offset: 1 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 12:01:26 Version 5.1.5 **********

Sample Name: TOXAPHENE @ 1000 ug/L Data File: F:BNOVW11

Date: 11-03-1994 04:10:54 Method: E:KTOXN1 11-03-1994 11:54:18 # 329

Interface: 1 Cycle#: 11 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 10 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

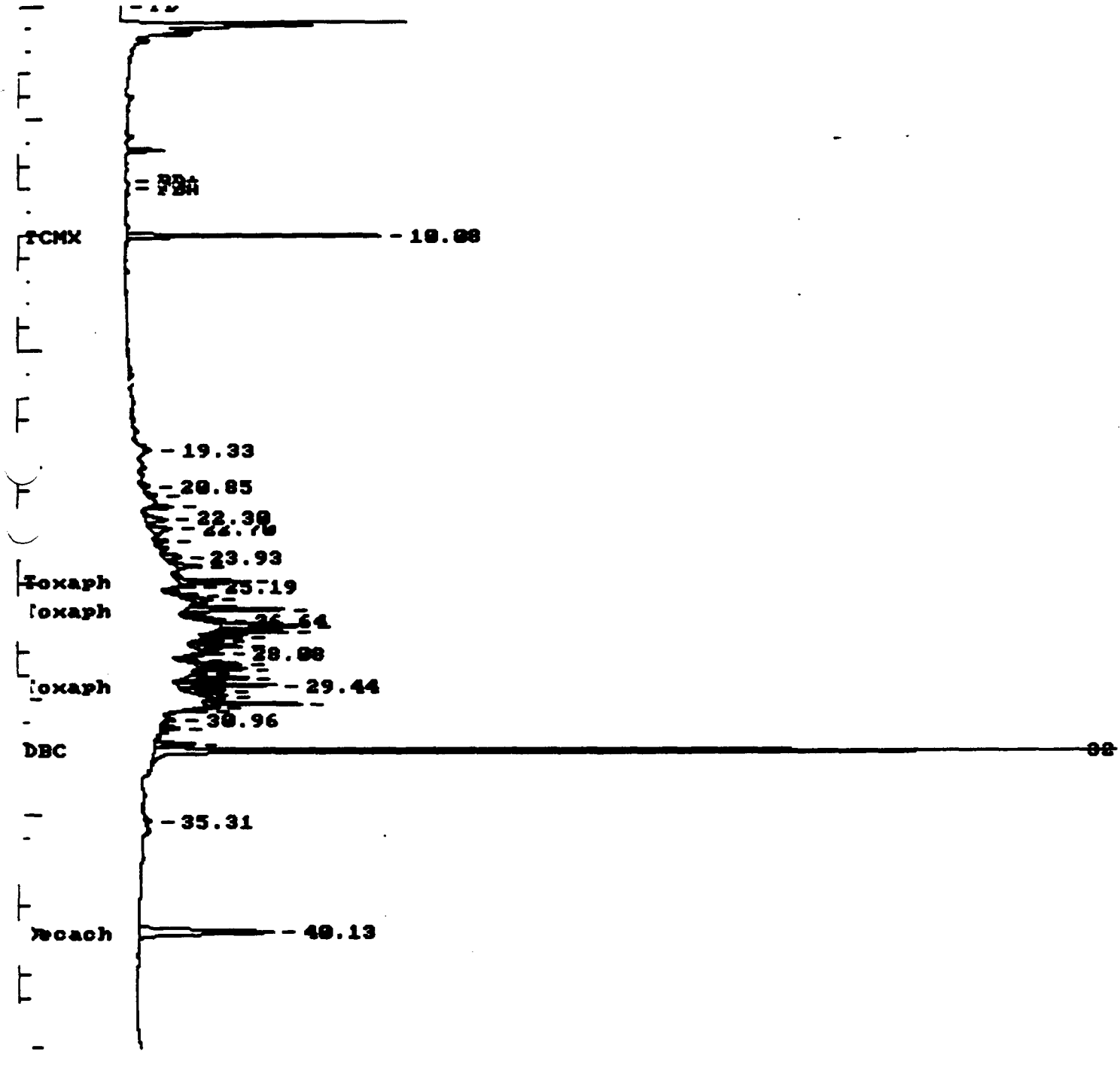
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	10.083	TCMX	19.9352	0.4823%	145900	23718	6.2	1	0	0	1.3664E-04
24	19.330		0.0000	0.0000%	6378	758	8.4	1			0.0000E+00
29	20.850		0.0000	0.0000%	7107	835	8.5	1			0.0000E+00
30	21.239		0.0000	0.0000%	6364	910	7.0	1			0.0000E+00
3	21.755		0.0000	0.0000%	17294	2163	8.0	1			0.0000E+00
34	22.304		0.0000	0.0000%	28252	2060	13.7	1			0.0000E+00
-	22.700		0.0000	0.0000%	20720	1938	10.7	1			0.0000E+00
	23.229		0.0000	0.0000%	11349	1407	8.1	1			0.0000E+00
39	23.926		0.0000	0.0000%	16283	1476	11.0	1			0.0000E+00
41	24.301		0.0000	0.0000%	19043	2382	8.0	1			0.0000E+00
43	24.964	Toxaphene	1000.0036	24.1955%	53021	6286	8.4	1	0	0	1.8860E-02
44	25.185		0.0000	0.0000%	8507	1745	4.9	1			0.0000E+00
46	25.554		0.0000	0.0000%	8122	1538	5.3	1			0.0000E+00
47	25.748		0.0000	0.0000%	11291	1784	6.3	1			0.0000E+00
49	26.164	Toxaphene	1000.0064	24.1955%	77241	9167	8.4	1	0	0	1.2946E-02
50	26.639		0.0000	0.0000%	15337	1092	14.0	1			0.0000E+00
51	26.847	Toxaphene	999.9987	24.1954%	75870	8165	9.3	1	0	0	1.3179E-02
52	27.135		0.0000	0.0000%	50184	7233	6.9	1			0.0000E+00
53	27.356		0.0000	0.0000%	19103	3636	5.3	1			0.0000E+00
54	27.524		0.0000	0.0000%	14436	2345	6.2	1			0.0000E+00
55	27.765		0.0000	0.0000%	29610	4151	7.1	1			0.0000E+00
57	28.080		0.0000	0.0000%	18708	2370	7.9	1			0.0000E+00
58	28.388		0.0000	0.0000%	5852	1213	4.8	1			0.0000E+00
59	28.549		0.0000	0.0000%	28675	4201	6.8	1			0.0000E+00
60	28.743		0.0000	0.0000%	27414	4598	6.0	1			0.0000E+00
61	28.937		0.0000	0.0000%	6901	1383	5.0	1			0.0000E+00
62	29.145		0.0000	0.0000%	43200	5901	7.3	1			0.0000E+00
63	29.440	Toxaphene	999.9987	24.1954%	69286	9194	7.5	1	0	0	1.4433E-02
64	29.681		0.0000	0.0000%	21887	3356	6.5	1			0.0000E+00
65	29.895		0.0000	0.0000%	10167	1640	6.2	1			0.0000E+00
67	30.250		0.0000	0.0000%	49300	8817	5.6	1			0.0000E+00
	30.398		0.0000	0.0000%	5558	1365	4.1	1			0.0000E+00
69	30.565		0.0000	0.0000%	13220	2382	5.6	1			0.0000E+00
	30.961		0.0000	0.0000%	6932	1067	6.5	1			0.0000E+00
	31.323		0.0000	0.0000%	14391	1772	8.1	1			0.0000E+00
75	32.026		0.0000	0.0000%	28887	3763	7.7	1			0.0000E+00
76	32.314	DBC	98.0918	2.3734%	703009	101199	6.9	1	0	0	1.3953E-04
82	35.309		0.0000	0.0000%	6359	567	11.2	1			0.0000E+00

40.126	Decachlorobiphenyl	14.9838	0.3625%	172666	12522	13.8	1	0	0	8.6779E-05

TOTAL AMOUNT = 4133.0181

reas, times, and heights stored in: F:BNOVW11.ATB
ta File = F:BNOVW11.PTS Printed on 11-03-1994 at 12:01:33
tart time: 0.00 min. Stop time: 45.00 min. Offset: 1 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 10:41:32 Version 5.1.5 **********

* Sample Name: INDA-L Data File: F:ANOVW12 *
* Date: 11-03-1994 05:04:01 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 12 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

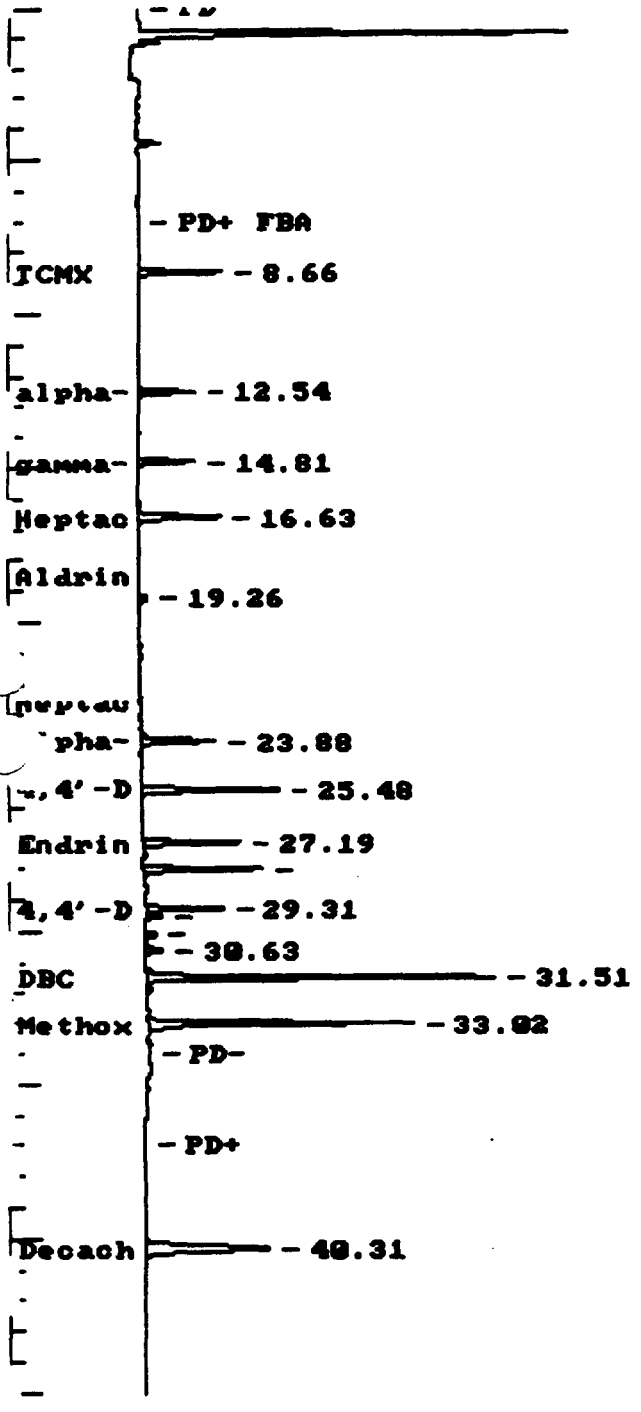
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.656	TCMX	4.8337	3.3289%	37691	5952	6.3	1	0	0	1.2824E-04
3	12.536	alpha-BHC	4.7752	3.2886%	27490	3929	7.0	1	0	0	1.7370E-04
5	14.814	gamma-BHC	4.7267	3.2552%	28962	4038	7.2	1	0	0	1.6320E-04
7	16.629	Heptachlor	5.5224	3.8032%	50812	5770	8.8	1	0	0	1.0868E-04
8	19.263		0.0000	0.0000%	5025	573	8.8	1			0.0000E+00
[illegible]	23.879	Endosulfan I	5.6006	3.8571%	44122	5260	8.4	1	0	0	1.2694E-04
[illegible]	25.480	Dieldrin	10.2405	7.0525%	73921	9558	7.7	1	0	0	1.3853E-04
11	27.189	Endrin	9.7124	6.6889%	48206	6761	7.1	1	0	0	2.0148E-04
13	28.039	4,4'-DDD	9.5852	6.6013%	57337	8333	6.9	1	0	0	1.6717E-04
15	29.306	4,4'-DDT	8.8823	6.1172%	34618	5428	6.4	1	0	0	2.5658E-04
16	29.554	Endrin Aldehyde	1.2051	0.8299%	7033	1135	6.2	1	0	0	1.7136E-04
17	30.116	Endosulfan sulfate	1.2093	0.8329%	7445	774	9.6	1	0	.1546	1.6244E-04
18	30.632		0.0000	0.0000%	9684	1195	8.1	1			0.0000E+00
19	31.510	DBC	26.5188	18.2632%	176791	24530	7.2	1	0	0	1.5000E-04
22	33.018	Methoxychlor	41.8964	28.8538%	137881	18609	7.4	1	0	0	3.0386E-04
24	40.314	Decachlorobiphenyl	10.4940	7.2272%	118514	8638	13.7	1	0	0	8.8546E-05

TOTAL AMOUNT = 145.2023

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
beta-BHC	15.38	DBC
delta-BHC	17.50	DBC
Aldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
gamma-Chlordane	22.92	DBC
alpha-Chlordane	23.84	DBC
4,4'-DDE	25.43	DBC
Endosulfan II	28.07	DBC
Endrin ketone	33.17	DBC

Areas, times, and heights stored in: F:ANOVW12.ATB
Data File = F:ANOVW12.PTS Printed on 11-03-1994 at 10:41:37
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:39:19 Version 5.1.5 **********

Sample Name: INDA-L Data File: F:BNOVW12

Date: 11-03-1994 05:04:01 Method: E:K608N1 11-03-1994 14:33:00 # 794

Interface: 1 Cycle#: 12 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

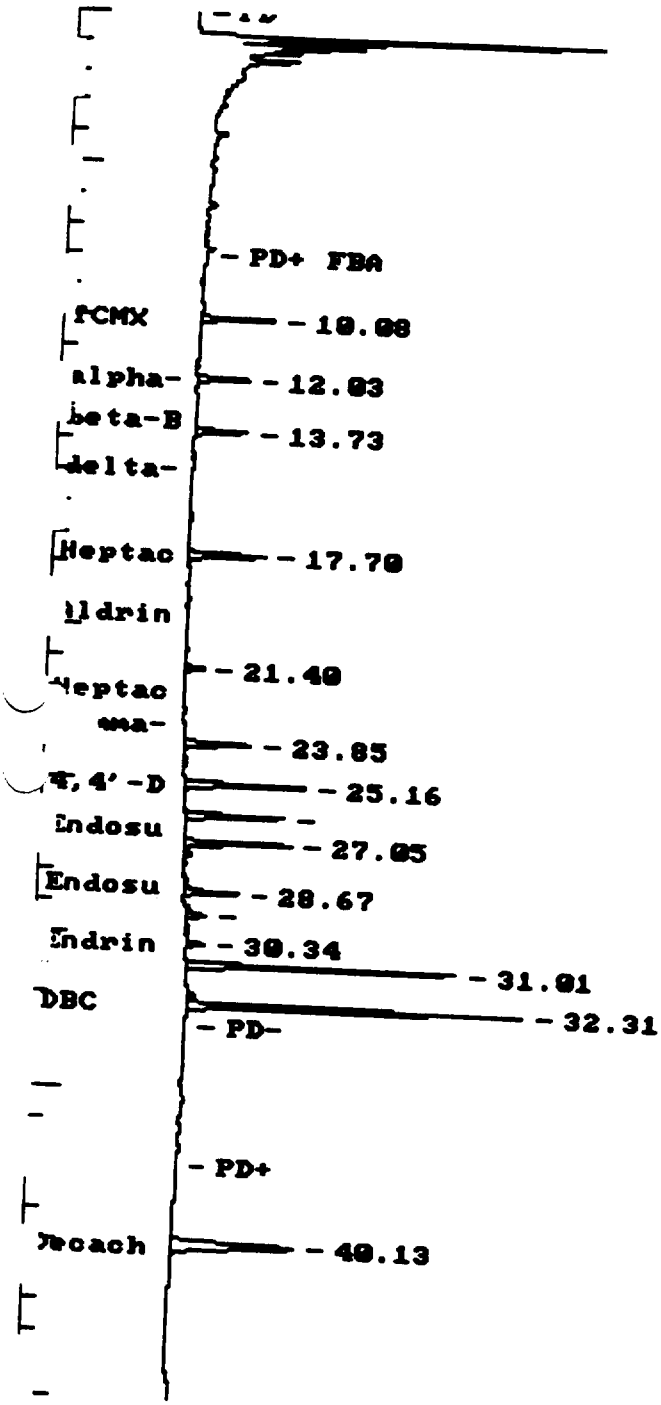
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	10.083	TCMX	4.5076	3.2697%	32990	5173	6.4	1	0	0	1.3664E-04
5	12.033	alpha-BHC	4.4649	3.2387%	24008	3651	6.6	1	0	0	1.8598E-04
6	13.728	gamma-BHC	4.3608	3.1631%	24990	3695	6.8	1	0	0	1.7450E-04
9	17.701	Heptachlor	5.2033	3.7742%	43852	5350	8.2	1	0	0	1.1865E-04
13	21.400		0.0000	0.0000%	10041	1314	7.6	1			0.0000E+00
5	23.852	Endosulfan I	4.9852	3.6161%	36407	4677	7.8	1	0	0	1.3693E-04
	25.159	Dieldrin	9.4024	6.8201%	62788	8496	7.4	1	0	0	1.4975E-04
	26.164	Endrin	9.8767	7.1642%	51385	7045	7.3	1	0	0	1.9221E-04
20	27.055	4,4'-DDD	8.8601	6.4268%	51356	7454	6.9	1	0	0	1.7252E-04
23	28.669	4,4'-DDT	8.2180	5.9611%	29820	3893	7.7	1	0	0	2.7559E-04
25	29.420		0.0000	0.0000%	11447	1385	8.3	1			0.0000E+00
28	30.344	Endrin ketone	1.2598	0.9138%	7950	1236	6.4	1	0	0	1.5847E-04
29	31.014	Methoxychlor	42.9563	31.1589%	118850	19001	6.3	1	0	0	3.6143E-04
32	32.314	DBC	23.5279	17.0663%	168621	23627	7.1	1	0	0	1.3953E-04
33	40.126	Decachlorobiphenyl	10.2391	7.4271%	117991	8663	13.6	1	0	0	8.6779E-05

TOTAL AMOUNT = 137.8620

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
eta-BHC	13.36	Decachlorobiphenyl
elta-BHC	14.94	Decachlorobiphenyl
Aldrin	19.65	Decachlorobiphenyl
eptachlor epoxide	22.16	Decachlorobiphenyl
amma-Chlordane	23.23	Decachlorobiphenyl
alpha-Chlordane	24.03	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
ndosulfan II	26.58	Decachlorobiphenyl
ndrin aldehyde	27.44	Decachlorobiphenyl
ndosulfan sulfate	28.46	Decachlorobiphenyl

reas, times, and heights stored in: F:BNOVW12.ATB
ta File = F:BNOVW12.PTS Printed on 11-03-1994 at 14:39:25
cart time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



** **** EXTERNAL STANDARD TABLE *******

********** ** 11-03-1994 10:41:51 Version 5.1.5 **********

Sample Name: INDB-L Data File: F:ANOVW13 *

* Date: 11-03-1994 05:57:12 Method: E:J608N1 11-03-1994 09:47:31 # 901 *

* Interface: 1 Cycle#: 13 Operator MAC Channel#: 0 Vial#: N.A. *

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *

* Solvent Description: DB-1;3.0 u film thickness *

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *

Detector 0: FID Detector 1: *

* Misc. Information: *

****

tarting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

ample Weight: 1.00000

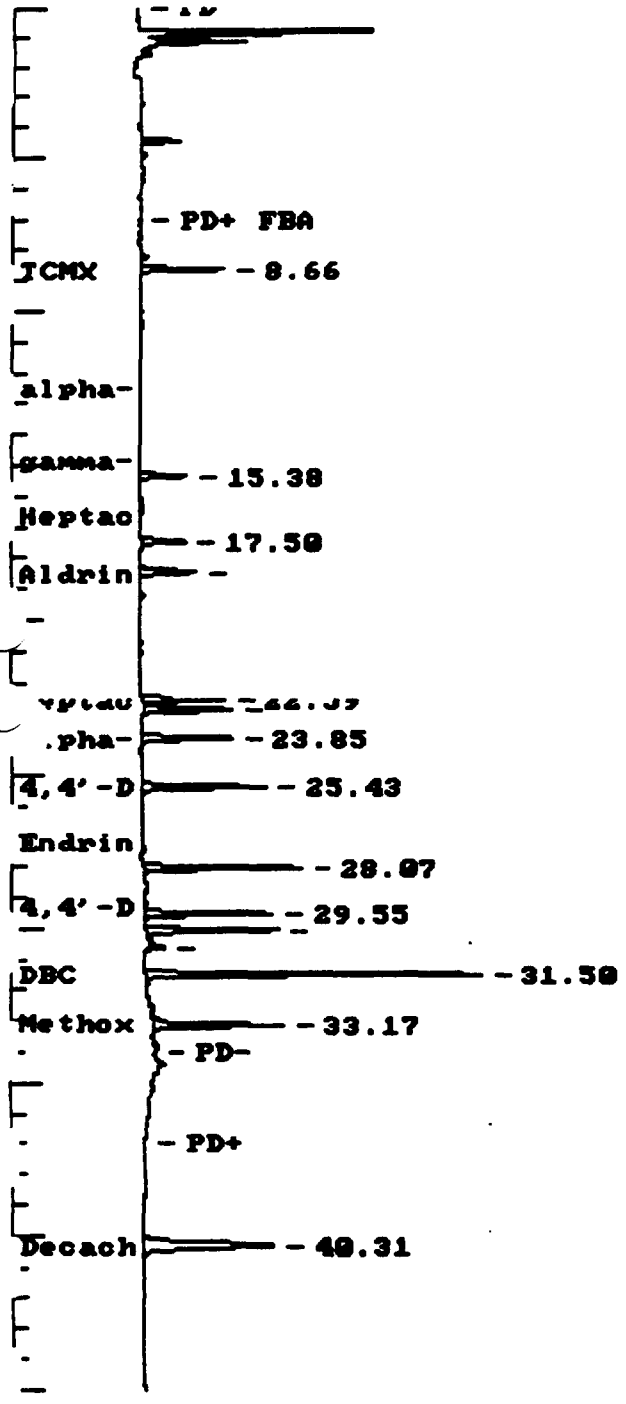
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.656	TCMX	4.8280	3.8948%	37646	5909	6.4	1	0	0	1.2824E-04
6	15.377	beta-BHC	4.9503	3.9935%	22832	3268	7.0	1	0	0	2.1681E-04
9	17.500	delta-BHC	4.4244	3.5692%	22090	3120	7.1	1	0	0	2.0029E-04
0	18.485	Aldrin	5.2183	4.2097%	34604	3943	8.8	1	0	0	1.5080E-04
2	22.586	Heptachlor epoxide	5.5705	4.4938%	48651	5816	8.4	1	0	0	1.1450E-04
3	22.921	gamma-Chlordane	5.7009	4.5990%	54066	6371	8.5	1	0	0	1.0544E-04
	23.845	alpha-Chlordane	5.5764	4.4985%	52456	6411	8.2	1	0	0	1.0631E-04
	25.427	4,4'-DDE	9.9927	8.0612%	63680	8688	7.3	1	0	0	1.5692E-04
17	28.066	Endosulfan II	10.2792	8.2923%	78666	11108	7.1	1	0	0	1.3067E-04
0	29.554	Endrin Aldehyde	10.3712	8.3666%	60524	8935	6.8	1	0	0	1.7136E-04
1	30.076	Endosulfan sulfate	10.7148	8.6438%	65963	9280	7.1	1	0	0	1.6244E-04
23	30.626		0.0000	0.0000%	8729	1160	7.5	1			0.0000E+00
24	31.503	DBC	24.4100	19.6918%	162734	23589	6.9	1	0	0	1.5000E-04
8	33.165	Endrin ketone	11.0527	8.9164%	70602	9158	7.7	1	0	0	1.5655E-04
0	40.314	Decachlorobiphenyl	10.8706	8.7695%	122768	9114	13.5	1	0	0	8.8546E-05

TOTAL AMOUNT = 123.9601

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
lpha-BHC	12.54	DBC
amma-BHC	14.81	DBC
Heptachlor	16.62	DBC
ndosulfan I	23.88	DBC
ieldrin	25.48	DBC
ndrin	27.19	DBC
4,4'-DDD	28.04	DBC
,4'-DDT	29.31	DBC
ethoxychlor	33.02	DBC

Areas, times, and heights stored in: F:ANOVW13.ATB
Data File = F:ANOVW13.PTS Printed on 11-03-1994 at 10:41:57
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:39:39 Version 5.1.5 **********

Sample Name: INDB-L Data File: F:BNOVW13

Date: 11-03-1994 05:57:12 Method: E:K608N1 11-03-1994 14:33:00 # 794

Interface: 1 Cycle#: 13 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

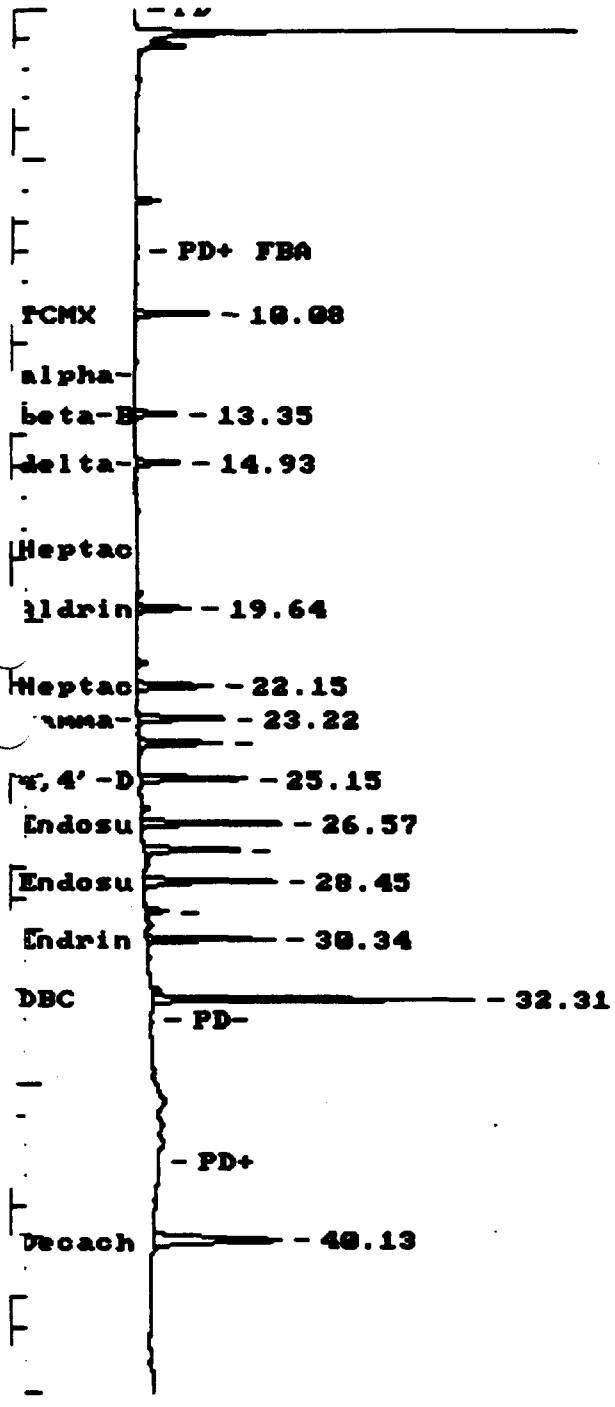
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.083	TCMX	4.4950	3.8198%	32897	5194	6.3	1	0	0	1.3664E-04
5	13.353	beta-BHC	4.8388	4.1120%	20004	2929	6.8	1	0	0	2.4189E-04
6	14.928	delta-BHC	4.5586	3.8739%	21582	3069	7.0	1	0	0	2.1122E-04
1	19.644	Aldrin	4.9856	4.2367%	30784	3740	8.2	1	0	0	1.6196E-04
12	22.150	Heptachlor epoxide	5.3132	4.5151%	44539	5314	8.4	1	0	0	1.1929E-04
13	23.216	gamma-Chlordane	5.5103	4.6827%	50506	6067	8.3	1	0	0	1.0910E-04
	24.026	alpha-Chlordane	5.3072	4.5101%	46129	5867	7.9	1	0	0	1.1505E-04
	25.145	4,4'-DDE	9.3951	7.9839%	56217	7502	7.5	1	0	0	1.6712E-04
18	26.572	Endosulfan II	9.9250	8.4343%	70132	9813	7.1	1	0	0	1.4152E-04
19	27.423	Endrin aldehyde	10.0709	8.5582%	51487	6719	7.7	1	0	0	1.9560E-04
21	28.455	Endosulfan sulfate	10.9080	9.2696%	69726	9199	7.6	1	0	0	1.5644E-04
22	29.426		0.0000	0.0000%	12616	1600	7.9	1			0.0000E+00
24	30.344	Endrin ketone	9.1858	7.8061%	57966	8941	6.5	1	0	0	1.5847E-04
27	32.314	DBC	22.4642	19.0900%	160997	22562	7.1	1	0	0	1.3953E-04
28	40.126	Decachlorobiphenyl	10.7173	9.1075%	123501	8921	13.8	1	0	0	8.6779E-05

TOTAL AMOUNT = 117.6749

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
lpha-BHC	12.03	Decachlorobiphenyl
amma-BHC	13.73	Decachlorobiphenyl
Heptachlor	17.70	Decachlorobiphenyl
Endosulfan I	23.85	Decachlorobiphenyl
ieldrin	25.16	Decachlorobiphenyl
ndrin	26.16	Decachlorobiphenyl
4,4'-DDD	27.06	Decachlorobiphenyl
',4'-DDT	28.68	Decachlorobiphenyl
ethoxychlor	31.02	Decachlorobiphenyl

Areas, times, and heights stored in: F:BNOVW13.ATB
Data File = F:BNOVW13.PTS Printed on 11-03-1994 at 14:39:45
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 10:42:12 Version 5.1.5 **********

Sample Name: INDA-M Data File: F:ANOVW14

Date: 11-03-1994 06:50:19 Method: E:J608N1 11-03-1994 09:47:31 # 901

Interface: 1 Cycle#: 14 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

tarting Delay: 0.00 Ending retention time: 45.00

..rea reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

ample Weight: 1.00000

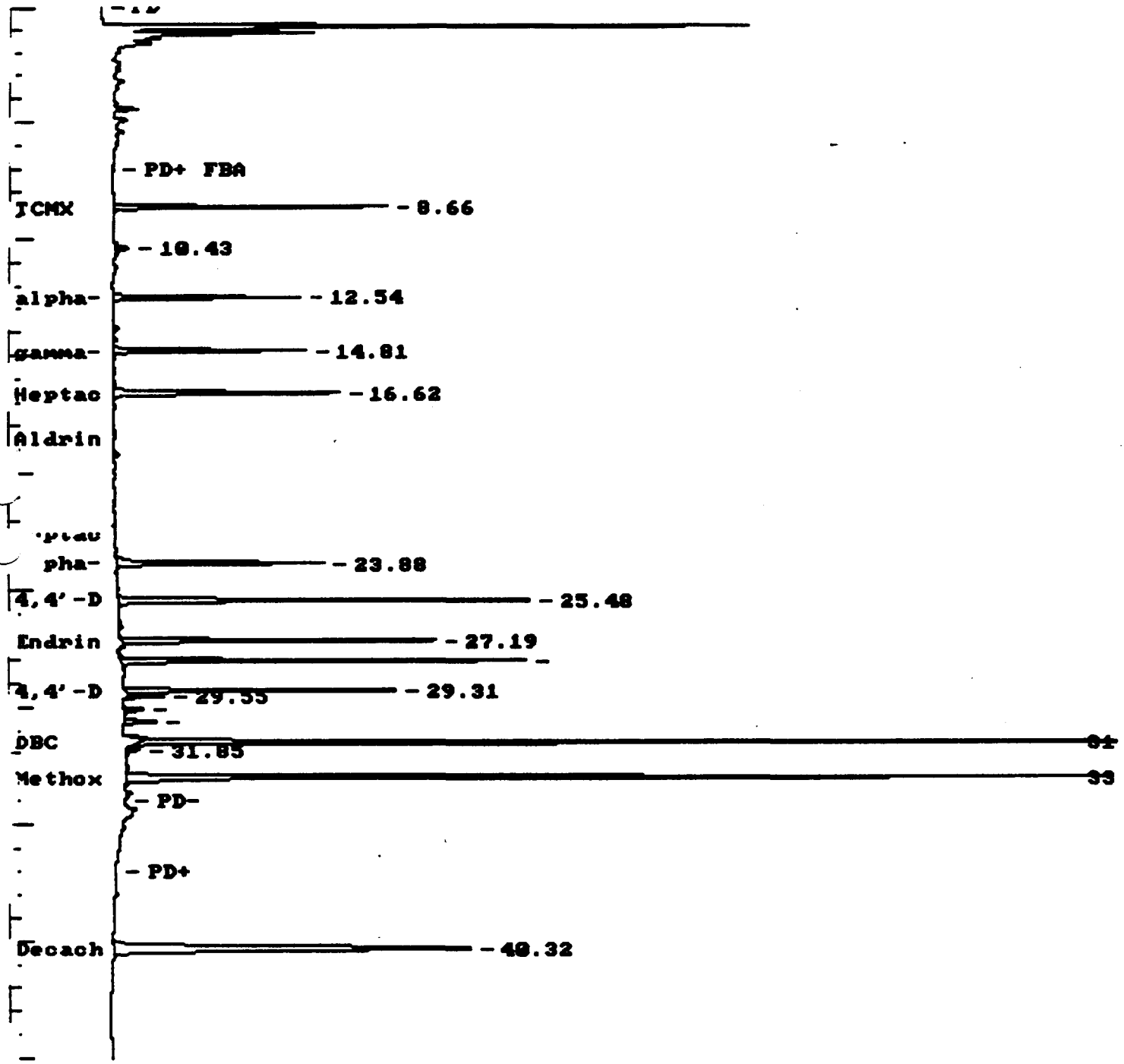
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	8.656	TCMX	20.0000	3.2983%	155952	25403	6.1	1	0	0	1.2824E-04
10	10.425		0.0000	0.0000%	10290	1167	8.8	1			0.0000E+00
3	12.536	alpha-BHC	20.0000	3.2983%	115139	17370	6.6	1	0	0	1.7370E-04
6	14.814	gamma-BHC	20.0000	3.2983%	122546	17845	6.9	1	0	0	1.6320E-04
0	16.623	Heptachlor	20.0000	3.2983%	184023	20900	8.8	1	0	0	1.0868E-04
30	23.879	Endosulfan I	20.0001	3.2983%	157560	19208	8.2	1	0	0	1.2694E-04
	25.480	Dieldrin	40.0000	6.5966%	288741	38306	7.5	1	0	0	1.3853E-04
	27.189	Endrin	40.0000	6.5966%	198535	29084	6.8	1	0	0	2.0148E-04
38	28.039	4,4'-DDD	40.0000	6.5966%	239275	37673	6.4	1	0	0	1.6717E-04
0	29.306	4,4'-DDT	40.0001	6.5966%	155899	25090	6.2	1	0	0	2.5658E-04
1	29.547	Endrin Aldehyde	3.6580	0.6032%	21347	3526	6.1	1	0	0	1.7136E-04
2	30.096	Endosulfan sulfate	2.7184	0.4483%	16735	1916	8.7	1	0	0	1.6244E-04
44	30.632		0.0000	0.0000%	23516	3012	7.8	1			0.0000E+00
7	31.510	DBC	99.9999	16.4914%	666668	101034	6.6	1	0	0	1.5000E-04
8	31.852		0.0000	0.0000%	7422	1147	6.5	1			0.0000E+00
50	33.024	Methoxychlor	200.0001	32.9828%	658200	91389	7.2	1	0	0	3.0386E-04
53	40.321	Decachlorobiphenyl	40.0000	6.5966%	451741	33065	13.7	1	0	0	8.8546E-05

TOTAL AMOUNT = 606.3765

PEAKS NOT FOUND IN THIS RUN

AME	ADJUSTED RET.TIME.	REFERENCE PEAK
eta-BHC	15.38	DBC
delta-BHC	17.50	DBC
ldrin	18.48	DBC
eptachlor epoxide	22.59	DBC
gamma-Chlordane	22.92	DBC
lpha-Chlordane	23.84	DBC
,4'-DDE	25.43	DBC
ndosulfan II	28.07	DBC
drin ketone	33.17	DBC

reas, times, and heights stored in: F:ANOVW14.ATB
ta File = F:ANOVW14.PTS Printed on 11-03-1994 at 10:42:18
tart time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:40:00 Version 5.1.5 **********

* Sample Name: INDA-M Data File: F:BNOVW14 *
* Date: 11-03-1994 06:50:19 Method: E:K608N1 11-03-1994 14:33:00 # 794 *
* Interface: 1 Cycle#: 14 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

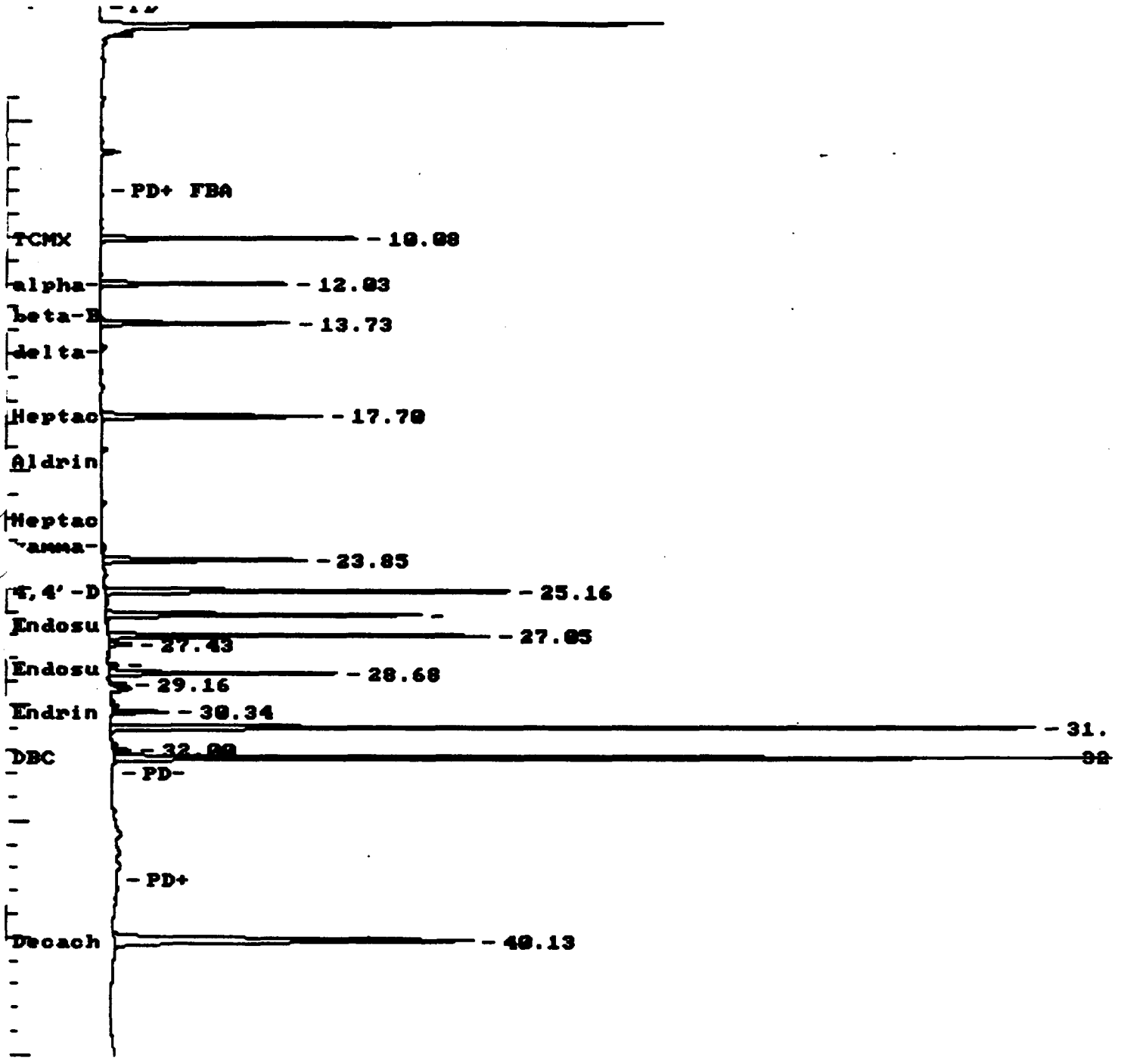
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	10.083	TCMX	20.0000	3.2834%	146374	23900	6.1	1	0	0	1.3664E-04
7	12.033	alpha-BHC	19.9999	3.2834%	107541	17419	6.2	1	0	0	1.8598E-04
8	13.728	gamma-BHC	20.0001	3.2834%	114611	17506	6.5	1	0	0	1.7450E-04
12	17.701	Heptachlor	20.0000	3.2834%	168556	20490	8.2	1	0	0	1.1865E-04
18	23.852	Endosulfan I	20.0001	3.2834%	146061	18945	7.7	1	0	0	1.3693E-04
21	25.159	Dieldrin	40.0001	6.5668%	267115	37792	7.1	1	0	0	1.4975E-04
	26.164	Endrin	40.0000	6.5668%	208108	29295	7.1	1	0	0	1.9221E-04
	27.055	4,4'-DDD	39.9999	6.5668%	231852	35582	6.5	1	0	0	1.7252E-04
27	27.430	Endrin aldehyde	2.7853	0.4573%	14240	1994	7.1	1	0	0	1.9560E-04
28	28.321	Endosulfan sulfate	1.0597	0.1740%	6774	1006	6.7	1	0	-.4957	1.5644E-04
29	28.676	4,4'-DDT	40.0000	6.5668%	145142	21291	6.8	1	0	0	2.7559E-04
30	29.158		0.0000	0.0000%	6587	1208	5.5	1			0.0000E+00
35	30.344	Endrin ketone	5.2817	0.8671%	33330	5202	6.4	1	0	0	1.5847E-04
36	31.021	Methoxychlor	200.0001	32.8339%	553351	86145	6.4	1	0	0	3.6143E-04
39	31.999		0.0000	0.0000%	12017	1694	7.1	1			0.0000E+00
40	32.314	DBC	100.0000	16.4169%	716685	103508	6.9	1	0	0	1.3953E-04
42	40.133	Decachlorobiphenyl	40.0000	6.5668%	460940	33361	13.8	1	0	0	8.6779E-05

TOTAL AMOUNT = 609.1271

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
beta-BHC	13.36	Decachlorobiphenyl
delta-BHC	14.94	Decachlorobiphenyl
Aldrin	19.65	Decachlorobiphenyl
Heptachlor epoxide	22.16	Decachlorobiphenyl
gamma-Chlordane	23.23	Decachlorobiphenyl
alpha-Chlordane	24.03	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
Endosulfan II	26.58	Decachlorobiphenyl

Areas, times, and heights stored in: F:BNOVW14.ATB
Data File = F:BNOVW14.PTS Printed on 11-03-1994 at 14:40:06
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



Areas, times, and heights stored in: F:ANOVW15.ATB
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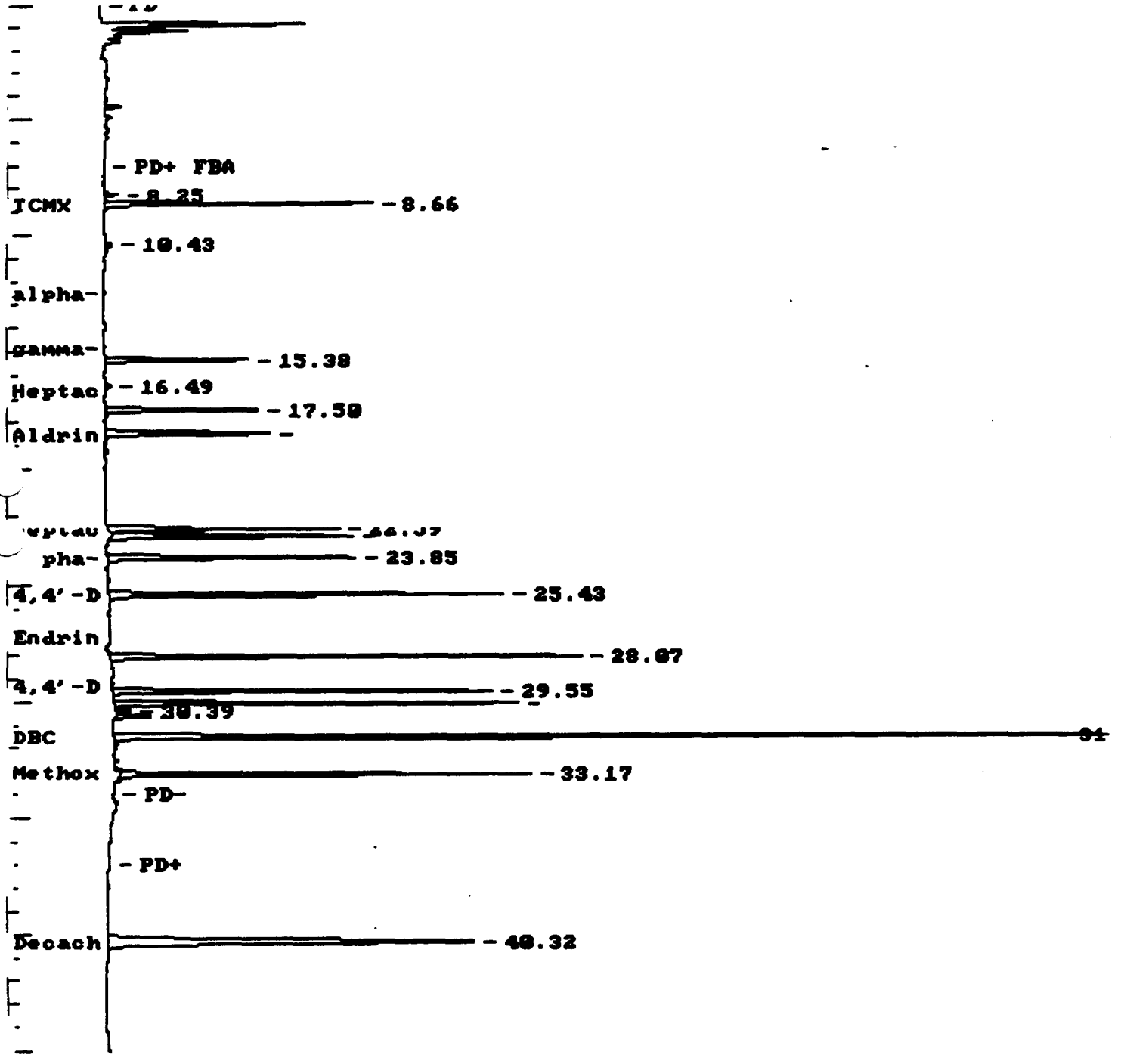
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:40:22 Version 5.1.5 **********

* Sample Name: INDB-M Data File: F:BNOVW15 *
* Date: 11-03-1994 07:43:31 Method: E:K608N1 11-03-1994 14:33:00 # 794 *
* Interface: 1 Cycle#: 15 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

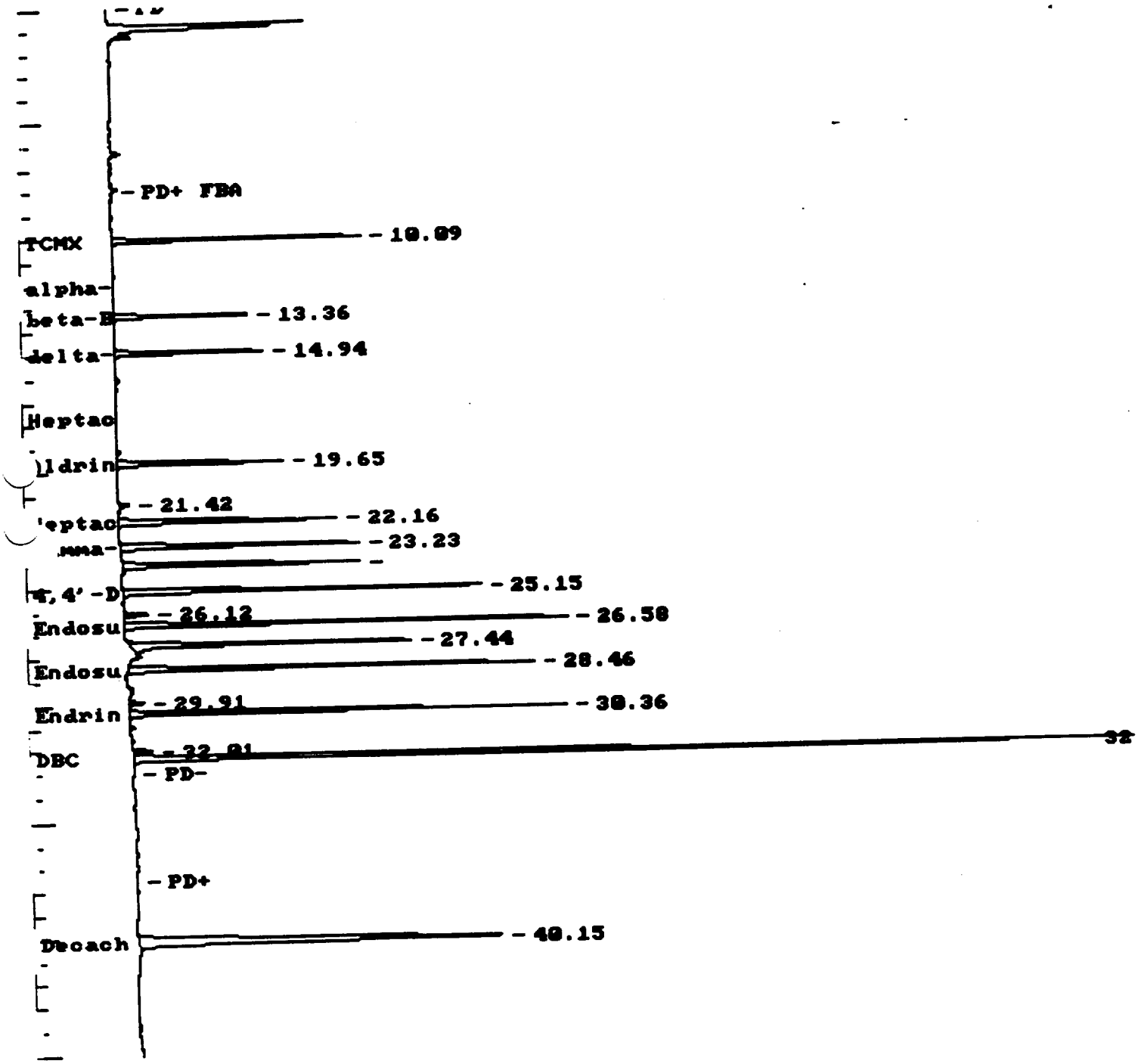
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	RL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.090	TCMX	19.3791	4.0467%	141830	23171	6.1	1	0	0	1.3664E-04
6	13.360	beta-BHC	19.9999	4.1764%	82682	12494	6.6	1	0	0	2.4189E-04
7	14.941	delta-BHC	20.0001	4.1764%	94686	13799	6.9	1	0	0	2.1122E-04
13	19.651	Aldrin	20.0000	4.1764%	123491	15433	8.0	1	0	0	1.6196E-04
14	21.420		0.0000	0.0000%	7160	982	7.3	1			0.0000E+00
16	22.157	Heptachlor epoxide	20.0000	4.1764%	167655	20290	8.3	1	0	0	1.1929E-04
[illegible]	23.229	gamma-Chlordane	20.0000	4.1764%	183315	22258	8.2	1	0	0	1.0910E-04
	24.033	alpha-Chlordane	20.0000	4.1764%	173833	22106	7.9	1	0	0	1.1505E-04
20	25.152	4,4'-DDE	40.0000	8.3528%	239346	33439	7.2	1	0	0	1.6712E-04
21	26.123	Endrin	3.3505	0.6996%	17432	2340	7.4	1	0	-.1555	1.9221E-04
22	26.579	Endosulfan II	39.9999	8.3528%	282649	41364	6.8	1	0	0	1.4152E-04
23	27.437	Endrin aldehyde	40.0000	8.3528%	204497	26133	7.8	1	0	0	1.9560E-04
25	28.462	Endosulfan sulfate	40.0000	8.3528%	255688	37853	6.8	1	0	0	1.5644E-04
30	29.909		0.0000	0.0000%	9914	1360	7.3	1			0.0000E+00
31	30.358	Endrin ketone	40.0000	8.3528%	252414	40678	6.2	1	0	0	1.5847E-04
34	32.006		0.0000	0.0000%	12342	1723	7.2	1			0.0000E+00
35	32.321	DBC	95.6497	19.9735%	685507	99202	6.9	1	0	0	1.3953E-04
37	40.146	Decachlorobiphenyl	40.5035	8.4579%	466742	33727	13.8	1	0	0	8.6779E-05

TOTAL AMOUNT = 478.8828

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.03	Decachlorobiphenyl
gamma-BHC	13.73	Decachlorobiphenyl
Heptachlor	17.70	Decachlorobiphenyl
Endosulfan I	23.85	Decachlorobiphenyl
Dieldrin	25.16	Decachlorobiphenyl
4,4'-DDD	27.06	Decachlorobiphenyl
4,4'-DDT	28.68	Decachlorobiphenyl
Methoxychlor	31.02	Decachlorobiphenyl

'eas, times, and heights stored in: F:BNOVW15.ATB
.ta File = F:BNOVW15.PTS Printed on 11-03-1994 at 14:40:28
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:16:38 Version 5.1.5 **********

Sample Name: INDA-H Data File: F:ANOVW16

Date: 11-03-1994 08:36:44 Method: E:J608N1 11-03-1994 09:47:31 # 901

Interface: 1 Cycle#: 16 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

tarting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

ample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	8.663	TCMX	45.1239	3.3084%	351858	57392	6.1	1	0	0	1.2824E-04
10	12.536	alpha-BHC	46.6900	3.4232%	268792	43368	6.2	1	0	0	1.7370E-04
1	13.856		0.0000	0.0000%	6673	778	8.6	1			0.0000E+00
3	14.814	gamma-BHC	46.2388	3.3901%	283319	43120	6.6	1	0	0	1.6320E-04
16	16.629	Heptachlor	40.9602	3.0031%	376881	43783	8.6	1	0	0	1.0868E-04
[illegible]	19.256		0.0000	0.0000%	7609	863	8.8	1			0.0000E+00
	23.879	Endosulfan I	42.1718	3.0920%	332230	39883	8.3	1	0	0	1.2694E-04
[illegible]	25.480	Dieldrin	89.1302	6.5349%	643389	91141	7.1	1	0	0	1.3853E-04
30	27.189	Endrin	92.6070	6.7898%	459643	67673	6.8	1	0	0	2.0148E-04
1	28.039	4,4'-DDD	92.3242	6.7690%	552272	90131	6.1	1	0	0	1.6717E-04
3	29.306	4,4'-DDT	101.6957	7.4561%	396356	66826	5.9	1	0	0	2.5658E-04
34	29.554	Endrin Aldehyde	7.1658	0.5254%	41818	7017	6.0	1	0	0	1.7136E-04
36	30.096	Endosulfan sulfate	4.1959	0.3076%	25831	3498	7.4	1	0	0	1.6244E-04
8	30.639		0.0000	0.0000%	49472	6536	7.6	1			0.0000E+00
9	31.302		0.0000	0.0000%	10664	2017	5.3	1			0.0000E+00
40	31.510	DBC	218.0279	15.9854%	1453522	219244	6.6	1	0	0	1.5000E-04
1	31.852		0.0000	0.0000%	12940	2100	6.2	1			0.0000E+00
3	33.024	Methoxychlor	455.6540	33.4077%	1499557	202212	7.4	1	0	0	3.0386E-04
45	33.688		0.0000	0.0000%	10354	1252	8.3	1			0.0000E+00
46	37.962		0.0000	0.0000%	5683	541	10.5	1			0.0000E+00
7	40.327	Decachlorobiphenyl	81.9352	6.0073%	925337	67365	13.7	1	0	0	8.8546E-05

TOTAL AMOUNT = 1363.9205

PEAKS NOT FOUND IN THIS RUN

AME	ADJUSTED RET.TIME.	REFERENCE PEAK
beta-BHC	15.38	DBC
elta-BHC	17.50	DBC
ldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
mma-Chlordane	22.92	DBC
pha-Chlordane	23.84	DBC
4'-DDE	25.43	DBC
osulfan II	28.07	DBC
urin ketone	33.17	DBC

reas, times, and heights stored in: F:ANOVW16.ATB
ta File = F:ANOVW16.PTS Printed on 11-03-1994 at 11:16:44
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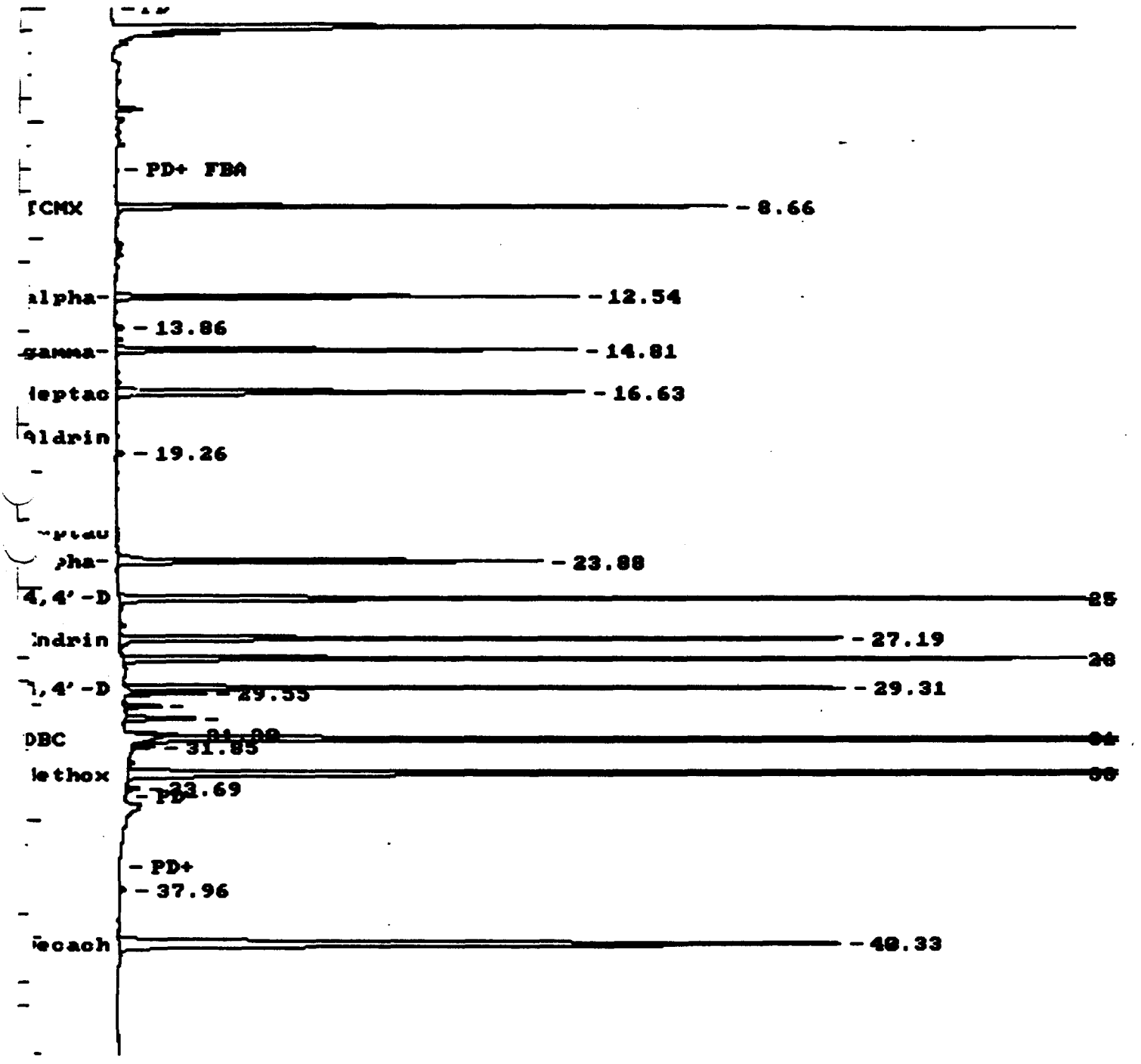
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:40:43 Version 5.1.5 **********

* Sample Name: INDA-H Data File: F:BNOVW16 *
* Date: 11-03-1994 08:36:44 Method: E:K608N1 11-03-1994 14:33:00 # 794 *
* Interface: 1 Cycle#: 16 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

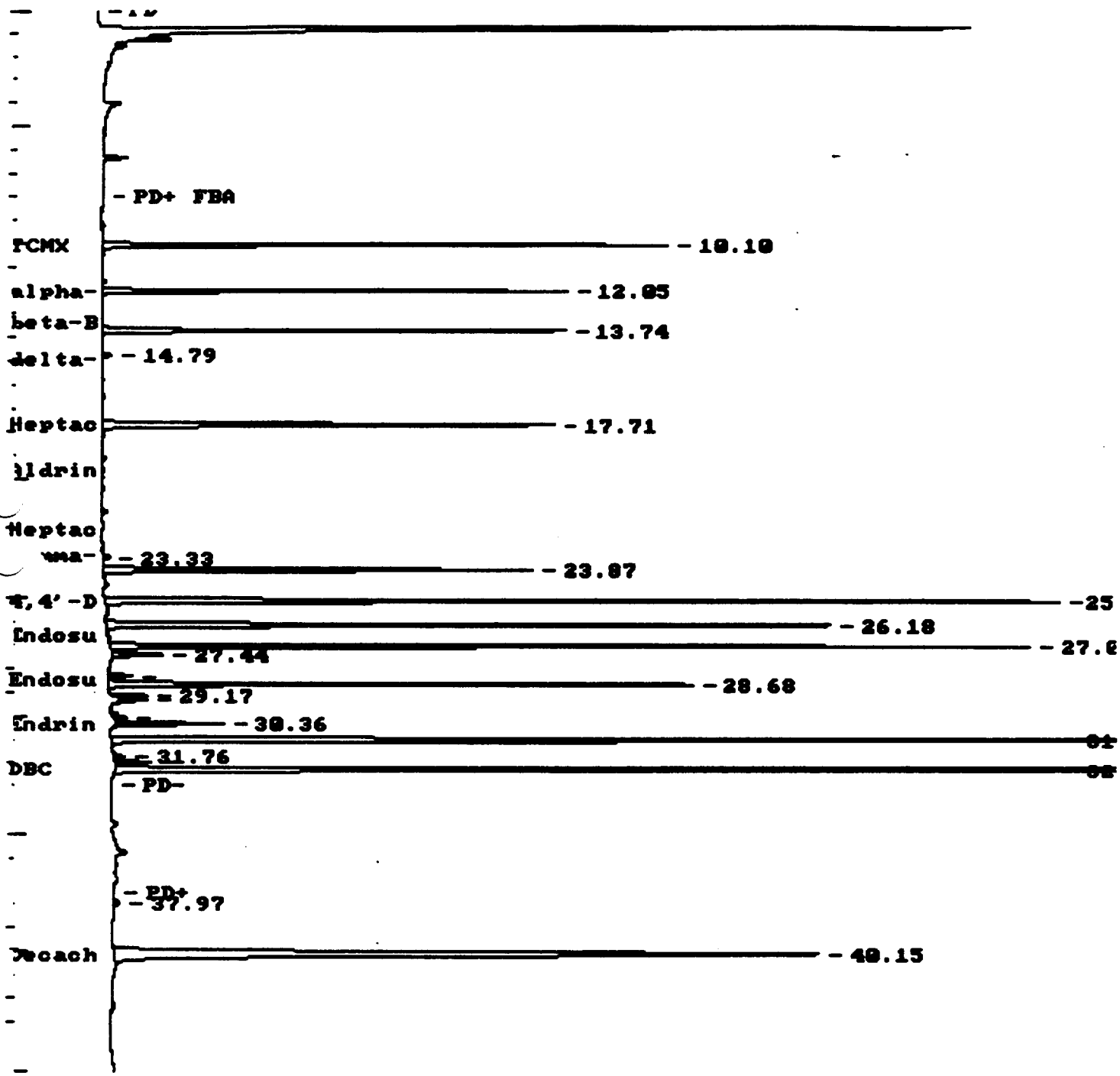
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	10.097	TCMX	43.3360	3.2528%	317163	52426	6.0	1	0	.1378	1.3664E-04
7	12.047	alpha-BHC	46.8089	3.5135%	251694	43137	5.8	1	0	.1130	1.8598E-04
8	13.742	gamma-BHC	46.3139	3.4763%	265404	42982	6.2	1	0	0	1.7450E-04
9	14.794	delta-BHC	1.5705	0.1179%	7435	918	8.1	1	0	-.9865	2.1122E-04
12	17.715	Heptachlor	39.7610	2.9845%	335098	41874	8.0	1	0	0	1.1865E-04
[illegible]	23.329	gamma-Chlordane	0.6220	0.0467%	5701	687	8.3	1	0	.4322	1.0910E-04
[illegible]	23.865	Endosulfan I	40.6598	3.0519%	296941	39749	7.5	1	0	0	1.3693E-04
24	25.172	Dieldrin	90.1031	6.7632%	601697	88304	6.8	1	0	0	1.4975E-04
27	26.177	Endrin	87.4740	6.5658%	455101	67130	6.8	1	0	0	1.9221E-04
29	27.068	4,4'-DDD	91.9906	6.9048%	533205	85123	6.3	1	0	0	1.7252E-04
30	27.437	Endrin aldehyde	6.6394	0.4984%	33943	4721	7.2	1	0	0	1.9560E-04
32	28.334	Endosulfan sulfate	2.3889	0.1793%	15270	2232	6.8	1	0	-.4486	1.5644E-04
33	28.683	4,4'-DDT	93.9049	7.0485%	340739	54060	6.3	1	0	0	2.7559E-04
[illegible]	29.165		0.0000	0.0000%	14835	2730	5.4	1			0.0000E+00
[illegible]	29.333		0.0000	0.0000%	17329	2476	7.0	1			0.0000E+00
[illegible]	30.110		0.0000	0.0000%	7572	1236	6.1	1			0.0000E+00
[illegible]	30.358	Endrin ketone	10.1676	0.7632%	64161	10114	6.3	1	0	0	1.5847E-04
[illegible]	31.028	Methoxychlor	438.6205	32.9230%	1213556	184845	6.6	1	0	0	3.6143E-04
[illegible]	31.765		0.0000	0.0000%	6403	1153	5.6	1			0.0000E+00
[illegible]	31.999		0.0000	0.0000%	23041	3391	6.8	1			0.0000E+00
44	32.327	DBC	212.9309	15.9826%	1526044	220784	6.9	1	0	0	1.3953E-04
45	37.969		0.0000	0.0000%	5564	518	10.8	1			0.0000E+00
46	40.146	Decachlorobiphenyl	78.9712	5.9276%	910024	65276	13.9	1	0	0	8.6779E-05

TOTAL AMOUNT = 1332.2633

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
[illegible]eta-BHC	13.36	Decachlorobiphenyl
[illegible]ldrin	19.65	Decachlorobiphenyl
[illegible]eptachlor epoxide	22.16	Decachlorobiphenyl
[illegible]lpha-Chlordane	24.03	Decachlorobiphenyl
[illegible]4'-DDE	25.15	Decachlorobiphenyl
[illegible]osulfan II	26.58	Decachlorobiphenyl

reas, times, and heights stored in: F:BNOVW16.ATB
a File = F:BNOVW16.PTS Printed on 11-03-1994 at 14:40:50
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



DB-H Processed: 11-03-1994 10:43:34, segment 3, cycle 17
W DATA SAVED IN FILE F:ANOVW17.PTS Second Channel Stored in F:BNOVW17.PTS

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 10:43:43 Version 5.1.5 **********

* Sample Name: INDB-H Data File: F:ANOVW17 *
* Date: 11-03-1994 09:29:55 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 17 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

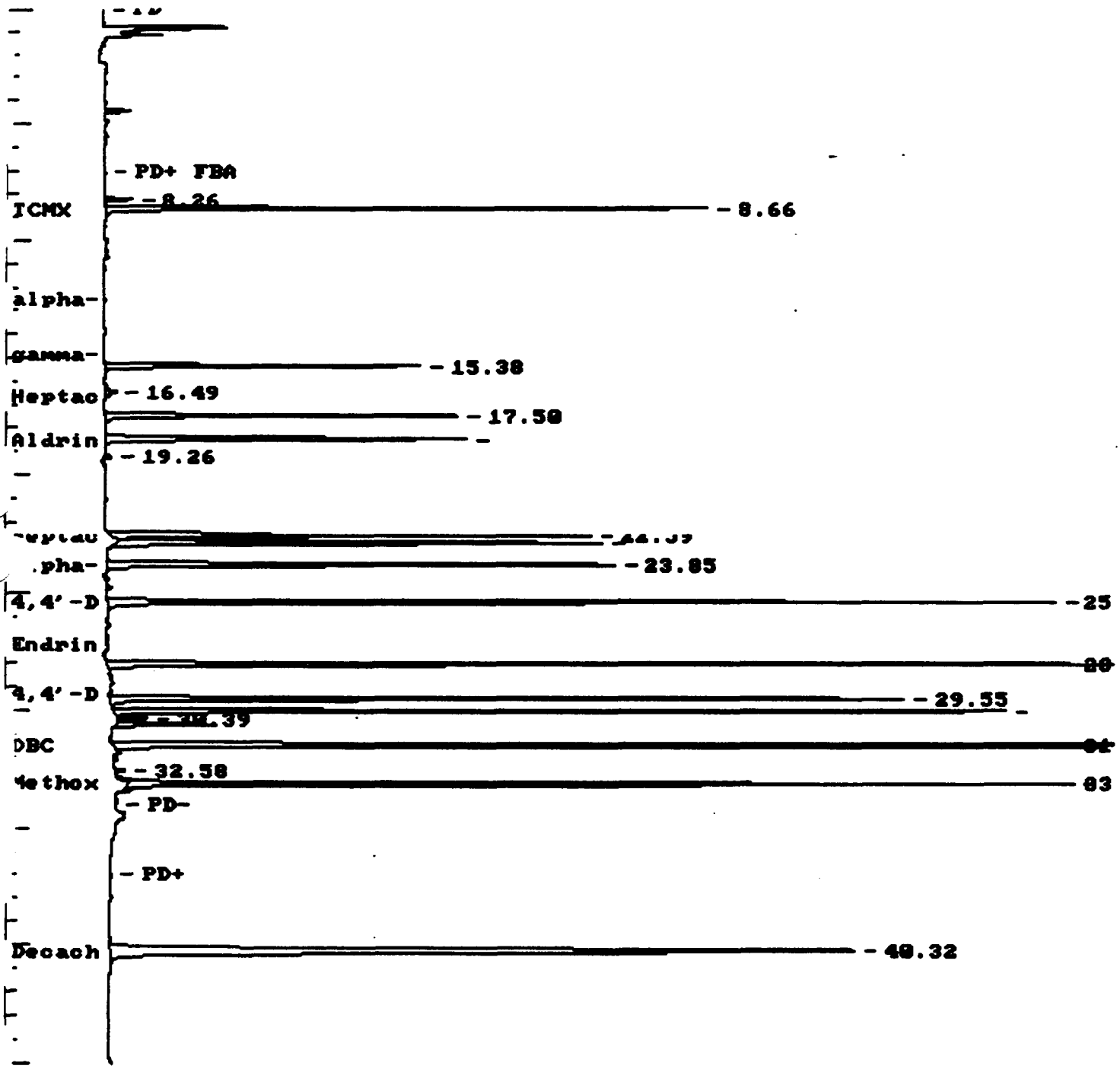
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.261		0.0000	0.0000%	15371	2553	6.0	1			0.0000E+00
3	8.663	TCMX	44.2319	4.2921%	344902	56173	6.1	1	0	0	1.2824E-04
10	15.377	beta-BHC	43.1231	4.1845%	198894	29342	6.8	1	0	0	2.1681E-04
13	16.489	Heptachlor	1.2892	0.1251%	11862	1010	11.7	1	0	-.8079	1.0868E-04
	17.500	delta-BHC	44.7342	4.3409%	223345	32802	6.8	1	0	0	2.0029E-04
	18.485	Aldrin	42.5850	4.1323%	282390	33622	8.4	1	0	0	1.5080E-04
16	19.256		0.0000	0.0000%	6759	752	9.0	1			0.0000E+00
19	22.592	Heptachlor epoxide	40.6275	3.9424%	354832	44276	8.0	1	0	0	1.1450E-04
20	22.927	gamma-Chlordane	39.5843	3.8411%	375409	45157	8.3	1	0	0	1.0544E-04
21	23.845	alpha-Chlordane	40.4827	3.9283%	380814	47267	8.1	1	0	0	1.0631E-04
24	25.427	4,4'-DDE	91.6784	8.8962%	584241	88176	6.6	1	0	0	1.5692E-04
28	28.073	Endosulfan II	84.9202	8.2404%	649888	96102	6.8	1	0	0	1.3067E-04
32	29.554	Endrin Aldehyde	82.6062	8.0159%	482069	73773	6.5	1	0	0	1.7136E-04
33	30.076	Endosulfan sulfate	85.5092	8.2976%	526414	82726	6.4	1	0	0	1.6244E-04
34	30.391		0.0000	0.0000%	15943	2714	5.9	1			0.0000E+00
35	30.632		0.0000	0.0000%	51658	7301	7.1	1			0.0000E+00
36	31.510	DBC	214.8995	20.8533%	1432666	213610	6.7	1	0	0	1.5000E-04
39	32.575		0.0000	0.0000%	6721	936	7.2	1			0.0000E+00
41	33.165	Endrin ketone	90.8545	8.8163%	580356	87834	6.6	1	0	0	1.5655E-04
46	40.321	Decachlorobiphenyl	83.4065	8.0935%	941953	69091	13.6	1	0	0	8.8546E-05

TOTAL AMOUNT = 1030.5322

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
lpha-BHC	12.54	DBC
amma-BHC	14.81	DBC
Endosulfan I	23.88	DBC
eldrin	25.48	DBC
ndrin	27.19	DBC
4'-DDD	28.04	DBC
'-DDT	29.31	DBC
hoxychlor	33.02	DBC

reas, times, and heights stored in: F:ANOVW17.ATB
ta File = F:ANOVW17.PTS Printed on 11-03-1994 at 10:43:50
tart time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:41:06 Version 5.1.5 **********

* Sample Name: INDB-H Data File: F:BNOVW17 *
* Date: 11-03-1994 09:29:55 Method: E:K608N1 11-03-1994 14:33:00 # 794 *
* Interface: 1 Cycle#: 17 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

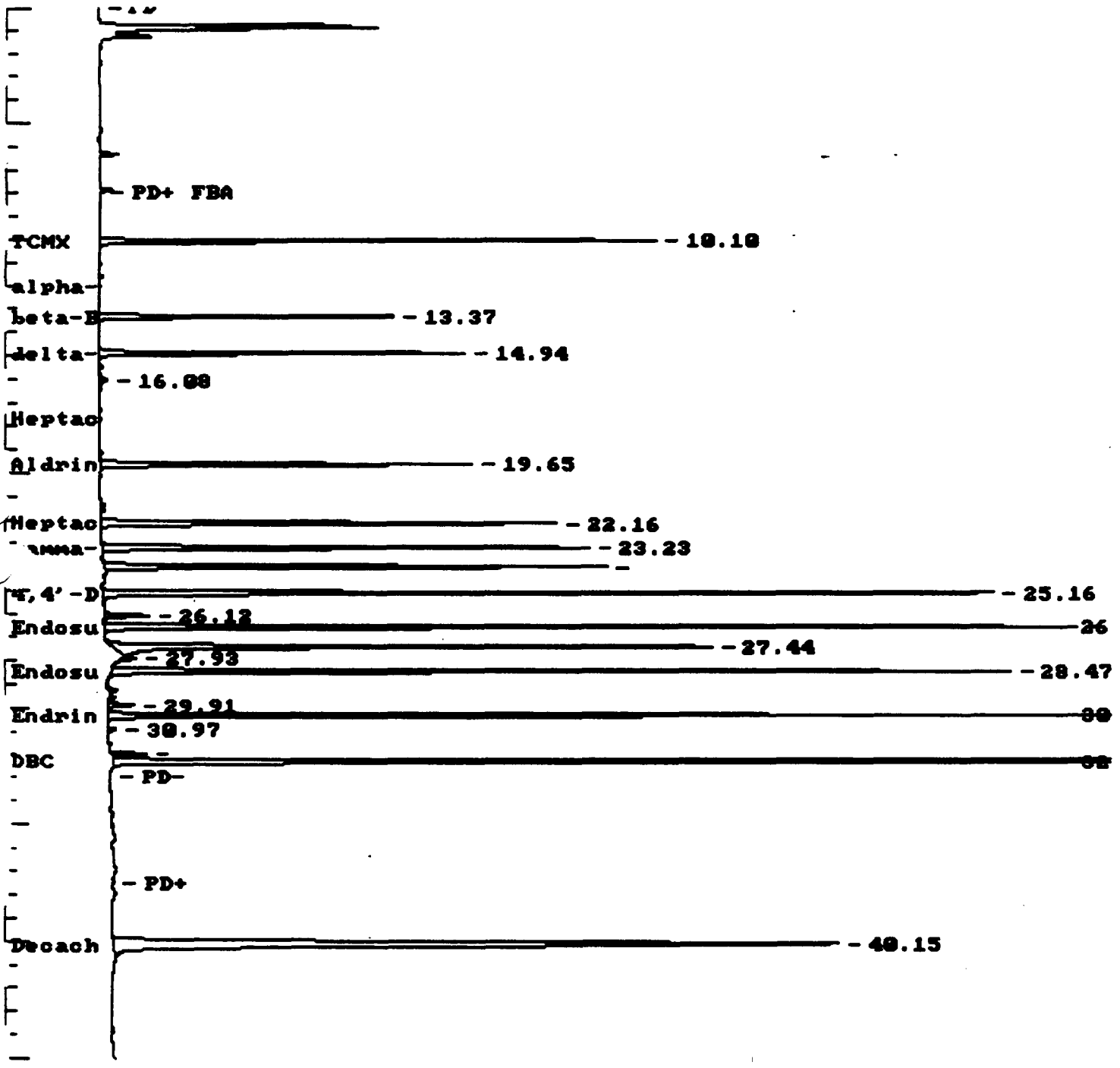
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.097	TCMX	42.9975	4.2014%	314686	51979	6.1	1	0	.1378	1.3664E-04
7	13.366	beta-BHC	43.2840	4.2294%	178940	27395	6.5	1	0	0	2.4189E-04
8	14.941	delta-BHC	46.0628	4.5010%	218075	34086	6.4	1	0	0	2.1122E-04
11	16.080		0.0000	0.0000%	6138	663	9.3	1			0.0000E+00
16	19.651	Aldrin	43.1900	4.2203%	266679	34691	7.7	1	0	0	1.6196E-04
19	22.164	Heptachlor epoxide	41.0186	4.0081%	343849	42495	8.1	1	0	0	1.1929E-04
	23.229	gamma-Chlordane	39.8718	3.8960%	365455	45415	8.0	1	0	0	1.0910E-04
[illegible]	24.040	alpha-Chlordane	40.7733	3.9841%	354387	46845	7.6	1	0	0	1.1505E-04
24	25.159	~~Dieldrin~~ DDE MA 11-4-94	83.6617	8.1749%	558682	82960	6.7	1	0	0	1.4975E-04
26	26.123	Endrin	5.9677	0.5831%	31048	4178	7.4	1	0	-.1555	1.9221E-04
27	26.586	Endosulfan II	86.6667	8.4685%	612407	90682	6.8	1	0	0	1.4152E-04
28	27.437	Endrin aldehyde	81.9255	8.0053%	418838	55779	7.5	1	0	0	1.9560E-04
29	27.932		0.0000	0.0000%	7925	1191	6.7	1			0.0000E+00
30	28.468	Endosulfan sulfate	85.5054	8.3551%	546568	83776	6.5	1	0	0	1.5644E-04
34	29.909		0.0000	0.0000%	17916	2447	7.3	1			0.0000E+00
35	30.358	Endrin ketone	93.2451	9.1113%	588409	96235	6.1	1	0	0	1.5847E-04
36	30.974	Methoxychlor	1.8463	0.1804%	5108	739	6.9	1	0	-.1511	3.6143E-04
38	31.999		0.0000	0.0000%	22912	3293	7.0	1			0.0000E+00
39	32.327	DBC	206.2387	20.1524%	1478082	213469	6.9	1	0	0	1.3953E-04
41	40.146	Decachlorobiphenyl	81.1412	7.9286%	935031	67575	13.8	1	0	0	8.6779E-05

TOTAL AMOUNT = 1023.3963

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.03	Decachlorobiphenyl
gamma-BHC	13.73	Decachlorobiphenyl
Heptachlor	17.70	Decachlorobiphenyl
Endosulfan I	23.85	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
4,4'-DDD	27.06	Decachlorobiphenyl
4,4'-DDT	28.68	Decachlorobiphenyl

Areas, times, and heights stored in: F:BNOVW17.ATB
ta File = F:BNOVW17.PTS Printed on 11-03-1994 at 14:41:13
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



PEM Processed: 11-03-1994 12:02:28, segment 5, cycle 19
W DATA SAVED IN FILE F:ANOVW19.PTS Second Channel Stored in F:BNOVW19.PTS

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 12:02:37 Version 5.1.5 **********

* Sample Name: PEM Data File: F:ANOVW19 *
* Date: 11-03-1994 11:16:07 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 19 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00
rea reject: 5000 One sample per 0.402 sec.
mount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

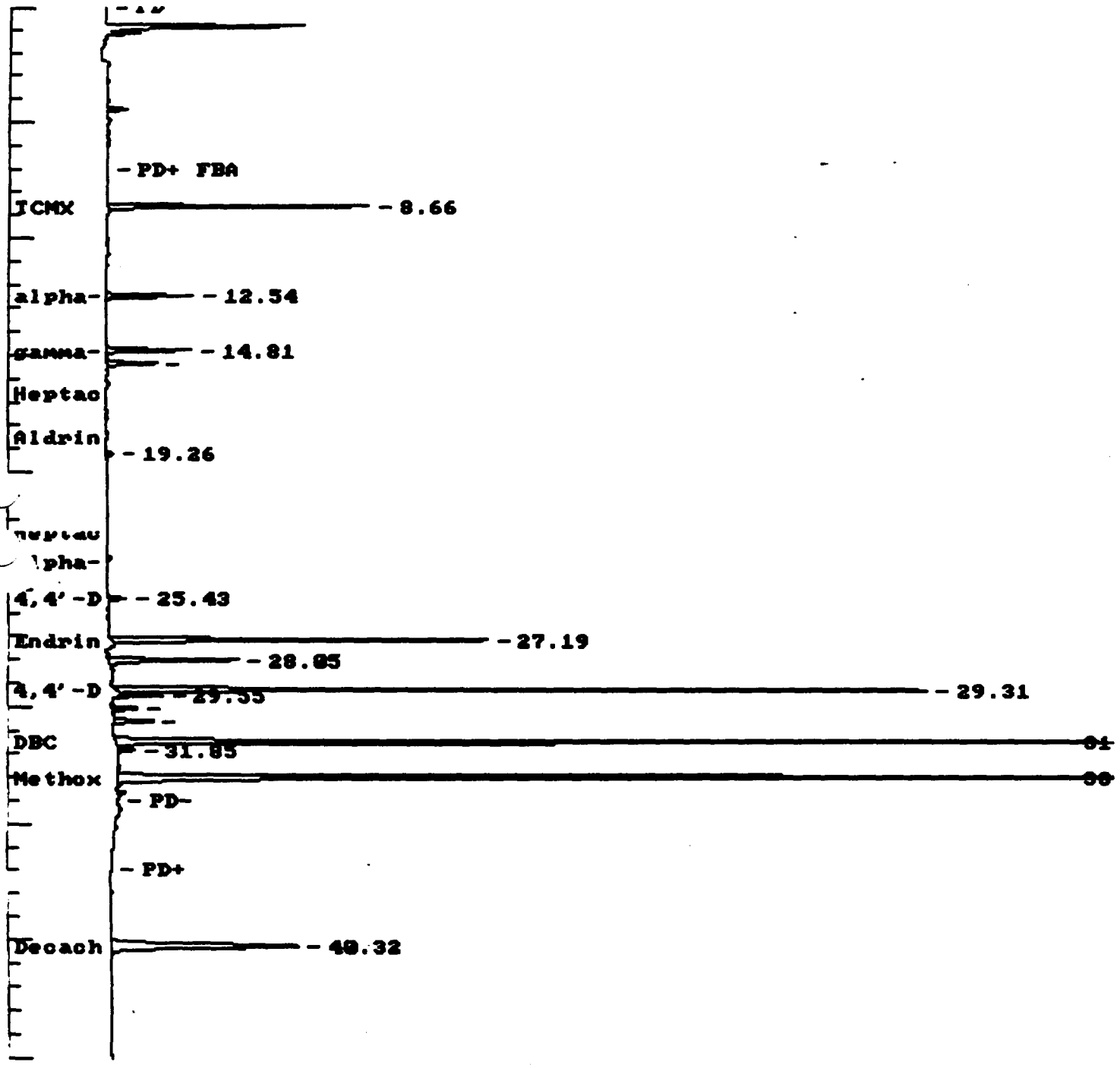
PEAK SUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.656	TCMX	19.5208	3.1656%	152216	24426	6.2	1	0	0	1.2824E-04
7	12.536	alpha-BHC	9.5014	1.5408%	54699	8053	6.8	1	0	0	1.7370E-04
8	14.814	gamma-BHC	9.0992	1.4756%	55754	7860	7.1	1	0	0	1.6320E-04
9	15.377	beta-BHC	7.1659	1.1620%	33051	4650	7.1	1	0	0	2.1681E-04
[illegible]	19.256		0.0000	0.0000%	5266	606	8.7	1			0.0000E+00
[illegible]	25.433	4,4'-DDE	1.8635	0.3022%	11875	1643	7.2	1	0	0	1.5692E-04
18	27.189	Endrin	48.0028	7.7843%	238256	34995	6.8	1	0	0	2.0148E-04
19	28.046	4,4'-DDD	15.0275	2.4369%	89892	11953	7.5	1	0	0	1.6717E-04
21	29.306	4,4'-DDT	115.9428	18.8017%	451884	75394	6.0	1	0	0	2.5658E-04
22	29.554	Endrin Aldehyde	4.0637	0.6590%	23715	4026	5.9	1	0	0	1.7136E-04
23	30.096	Endosulfan sulfate	2.9826	0.4837%	18361	2356	7.8	1	0	0	1.6244E-04
5	30.632		0.0000	0.0000%	28071	3652	7.7	1			0.0000E+00
6	31.510	DBC	101.3864	16.4412%	675911	98970	6.8	1	0	0	1.5000E-04
27	31.852		0.0000	0.0000%	9777	1528	6.4	1			0.0000E+00
29	33.024	Methoxychlor	261.2628	42.3674%	859816	118094	7.3	1	0	0	3.0386E-04
1	40.321	Decachlorobiphenyl	20.8406	3.3796%	235364	17263	13.6	1	0	0	8.8546E-05

TOTAL AMOUNT = 616.6600

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
Heptachlor	16.62	DBC
elta-BHC	17.50	DBC
ldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
amma-Chlordane	22.92	DBC
lpha-Chlordane	23.84	DBC
ndosulfan I	23.88	DBC
Dieldrin	25.48	DBC
dosulfan II	28.07	DBC
drin ketone	33.17	DBC

Areas, times, and heights stored in: F:ANOVW19.ATB
Data File = F:ANOVW19.PTS Printed on 11-03-1994 at 12:02:43
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:41:47 Version 5.1.5 **********

* Sample Name: PEM Data File: F:BNOVW19 *
* Date: 11-03-1994 11:16:07 Method: E:K608N1 11-03-1994 14:33:00 # 794 *
* Interface: 1 Cycle#: 19 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

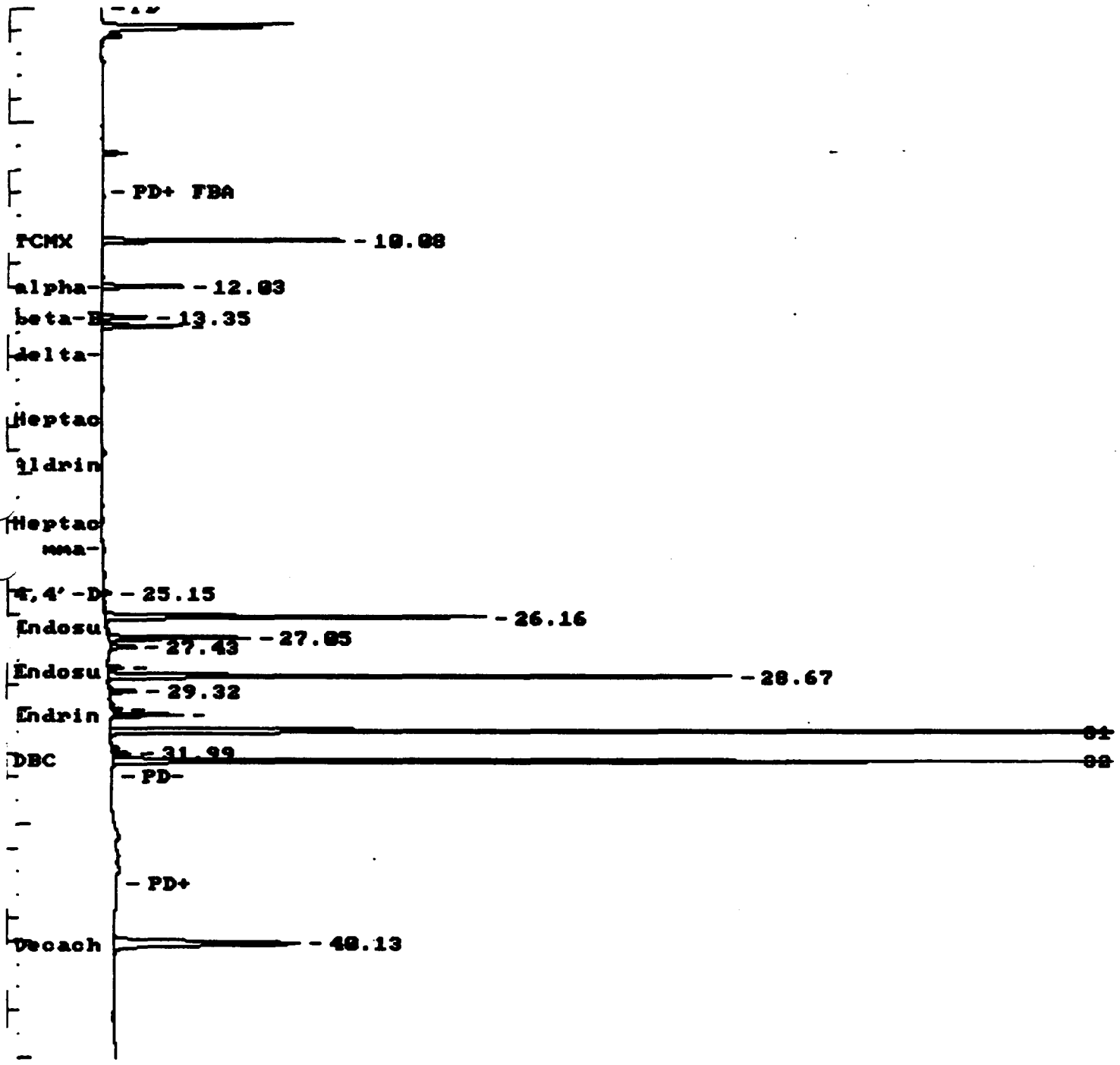
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.083	TCMX	19.0058	3.2466%	139098	22480	6.2	1	0	0	1.3664E-04
5	12.033	alpha-BHC	9.1660	1.5657%	49286	7589	6.5	1	0	0	1.8598E-04
6	13.353	beta-BHC	6.9810	1.1925%	28860	4209	6.9	1	0	0	2.4189E-04
7	13.735	gamma-BHC	8.6348	1.4750%	49482	7324	6.8	1	0	0	1.7450E-04
16	25.152	4,4'-DDE	0.8848	0.1511%	5295	703	7.5	1	0	0	1.6712E-04
17	26.164	Endrin	47.7024	8.1486%	248181	35385	7.0	1	0	0	1.9221E-04
	27.055	4,4'-DDD	15.4995	2.6476%	89840	13059	6.9	1	0	0	1.7252E-04
	27.430	Endrin aldehyde	3.2848	0.5611%	16793	2379	7.1	1	0	0	1.9560E-04
22	28.321	Endosulfan sulfate	1.5101	0.2580%	9653	1448	6.7	1	0	-.4957	1.5644E-04
23	28.669	4,4'-DDT	101.4081	17.3226%	367964	58141	6.3	1	0	0	2.7559E-04
24	29.319		0.0000	0.0000%	19734	2547	7.7	1			0.0000E+00
27	30.096		0.0000	0.0000%	5408	862	6.3	1			0.0000E+00
28	30.344	Endrin ketone	6.5915	1.1260%	41594	6478	6.4	1	0	0	1.5847E-04
29	31.014	Methoxychlor	249.0189	42.5376%	688974	107234	6.4	1	0	0	3.6143E-04
32	31.993		0.0000	0.0000%	12107	1732	7.0	1			0.0000E+00
33	32.314	DBC	95.1159	16.2478%	681681	98952	6.9	1	0	0	1.3953E-04
34	40.126	Decachlorobiphenyl	20.6056	3.5199%	237449	17086	13.9	1	0	0	8.6779E-05

TOTAL AMOUNT = 585.4091

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
delta-BHC	14.94	Decachlorobiphenyl
Heptachlor	17.70	Decachlorobiphenyl
Aldrin	19.65	Decachlorobiphenyl
Heptachlor epoxide	22.16	Decachlorobiphenyl
gamma-Chlordane	23.23	Decachlorobiphenyl
Endosulfan I	23.85	Decachlorobiphenyl
alpha-Chlordane	24.03	Decachlorobiphenyl
Dieldrin	25.16	Decachlorobiphenyl
Endosulfan II	26.58	Decachlorobiphenyl

reas, times, and heights stored in: F:BNOVW19.ATB
ta File = F:BNOVW19.PTS Printed on 11-03-1994 at 14:41:53
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:52:42 Version 5.1.5 **********

Sample Name: INDA-M Data File: F:ANOVW31

Date: 11-03-1994 22:10:09 Method: E:J608N1 11-03-1994 09:47:31 # 901

Interface: 1 Cycle#: 31 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	8.663	TCMX	20.4246	3.3086%	159263	25797	6.2	1	0	0	1.2824E-04
8	12.536	alpha-BHC	20.2035	3.2727%	116310	17624	6.6	1	0	0	1.7370E-04
11	14.820	gamma-BHC	20.0750	3.2519%	123006	17559	7.0	1	0	0	1.6320E-04
14	16.629	Heptachlor	20.1021	3.2693%	185698	21032	8.8	1	0	0	1.0868E-04
18	23.886	Endosulfan I	20.6802	3.3500%	162919	19787	8.2	1	0	0	1.2694E-04
20	25.480	Dieldrin	41.0302	6.6464%	296178	39952	7.4	1	0	0	1.3853E-04
23	27.195	Endrin	40.8484	6.6170%	202746	29240	6.9	1	0	0	2.0148E-04
[illegible]	28.046	4,4'-DDD	41.5450	6.7298%	248517	39573	6.3	1	0	0	1.6717E-04
	29.313	4,4'-DDT	39.6171	6.4175%	154407	25083	6.2	1	0	0	2.5658E-04
28	29.560	Endrin Aldehyde	3.3447	0.5418%	19519	3182	6.1	1	0	0	1.7136E-04
29	30.110	Endosulfan sulfate	2.9296	0.4746%	18035	2011	9.0	1	0	.1323	1.6244E-04
31	30.639		0.0000	0.0000%	26186	3409	7.7	1			0.0000E+00
32	31.517	DBC	108.7144	17.6105%	724764	105241	6.9	1	0	0	1.5000E-04
33	31.858		0.0000	0.0000%	8375	1316	6.4	1			0.0000E+00
35	33.031	Methoxychlor	196.7719	31.8748%	647576	88958	7.3	1	0	0	3.0386E-04
38	40.334	Decachlorobiphenyl	40.9600	6.6351%	462583	34098	13.6	1	0	0	8.8546E-05

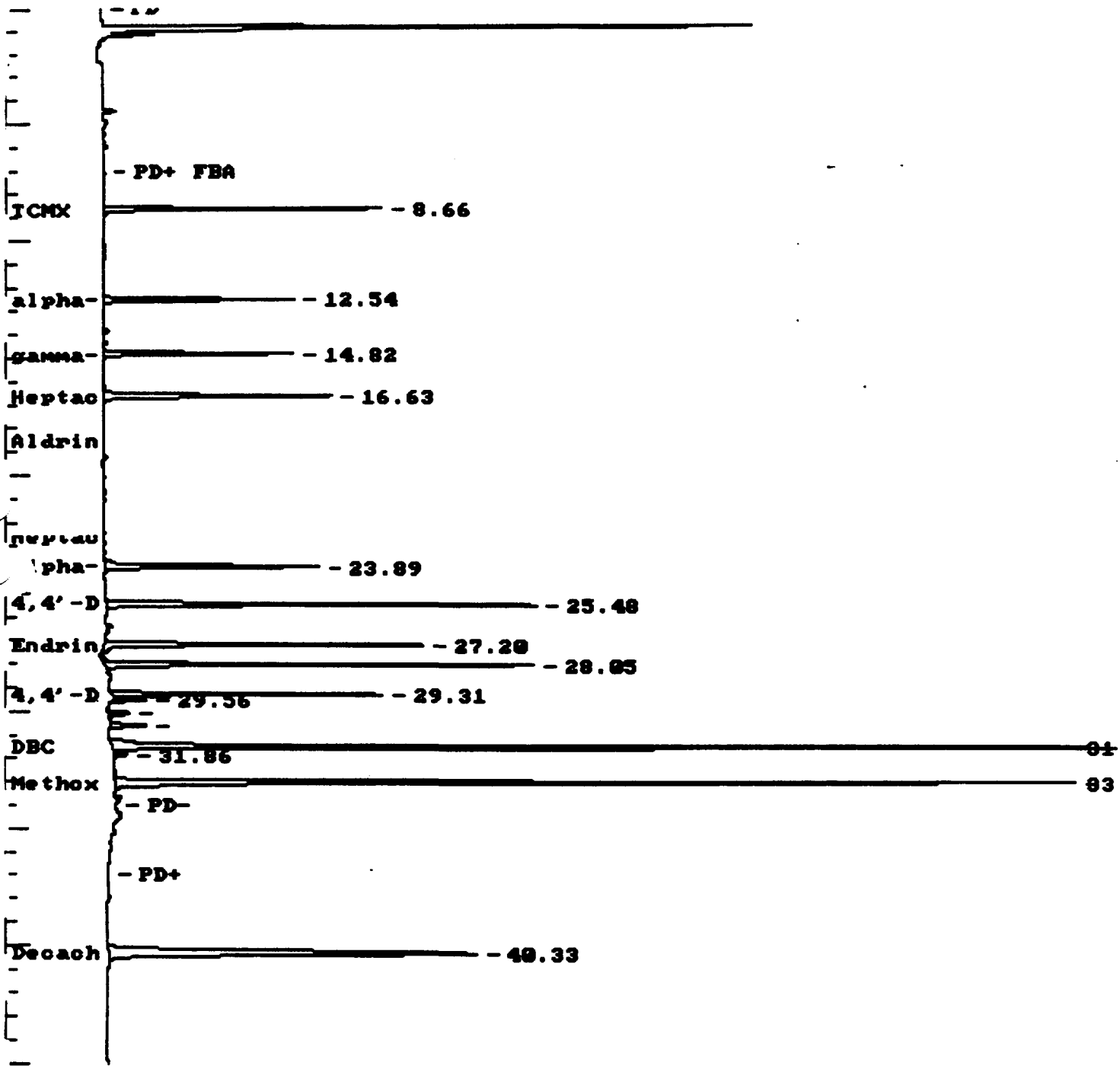
TOTAL AMOUNT = 617.3268

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
beta-BHC	15.38	DBC
delta-BHC	17.50	DBC
Aldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
gamma-Chlordane	22.92	DBC
alpha-Chlordane	23.84	DBC
4,4'-DDE	25.43	DBC
Endosulfan II	28.07	DBC
Endrin ketone	33.17	DBC

Areas, times, and heights stored in: F:ANOVW31.ATB

Areas, times, and heights stored in: F:ANOVW31.ATB
Data File = F:ANOVW31.PTS Printed on 11-04-1994 at 09:09:26
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



START TIME= 27.021 START HEIGHT= 18929
STOP TIME= 27.416 STOP HEIGHT= 19240
EA = 202746
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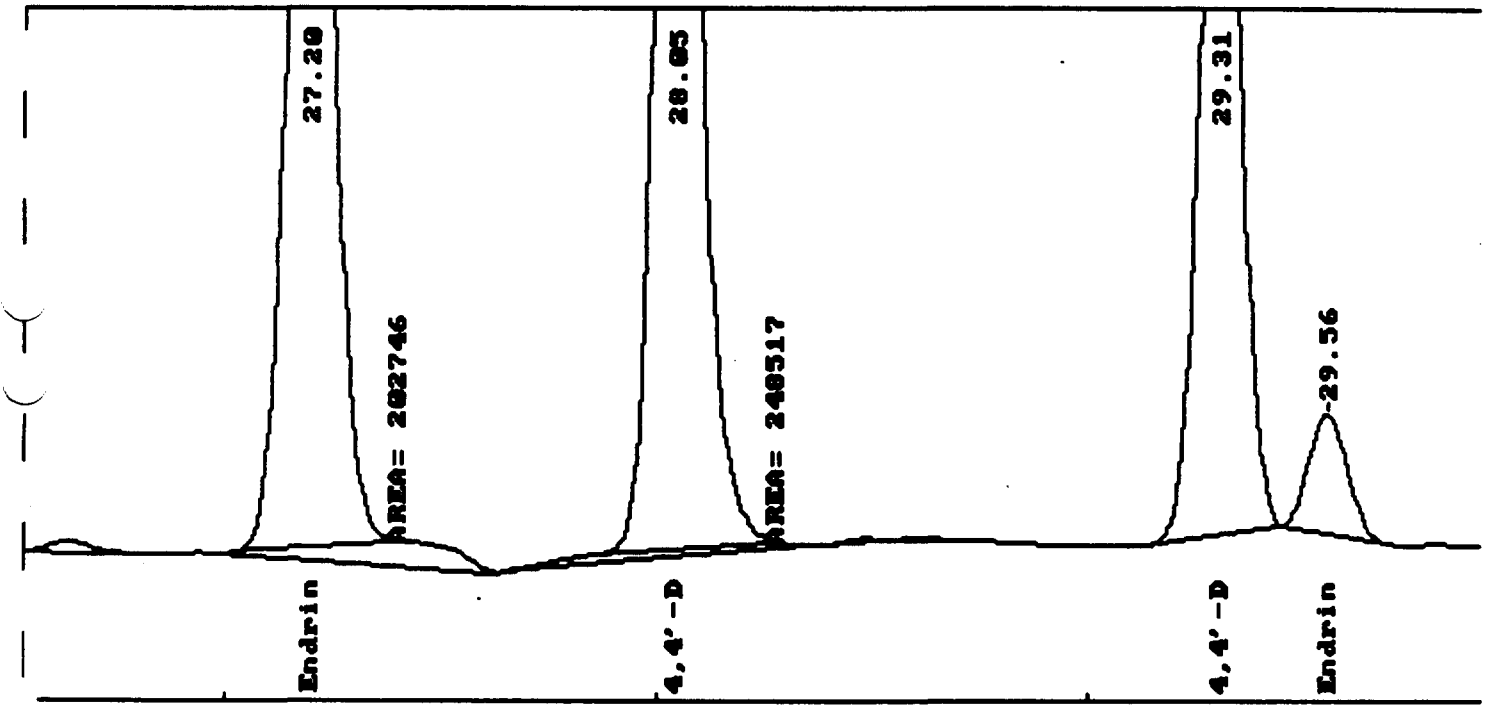
OLD HEIGHT FOR PEAK # 23 = 29559.32 NEW HEIGHT= 29239.64
REPRINT AREA REPORTS FOR NEW TABLES.
START TIME= 27.872 START HEIGHT= 18905
STOP TIME= 28.294 STOP HEIGHT= 19195
AREA = 248517
OLD AREA FOR PEAK# 24 = 256437 NEW AREA= 248517
OLD HEIGHT FOR PEAK # 24 = 39796.89 NEW HEIGHT= 39573.32
REPRINT AREA REPORTS FOR NEW TABLES.
Plot of data file: F:ANOVW31.PTS
Date: 11-04-1994 Time: 09:52:22
Sample Name: INDA-M
Start Time= 26.53Stop Time = 30.09Min. Scale= 18171Max. Scale= 33630



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:21:11 Version 5.1.5 **********

Sample Name: INDA-M Data File: F:BNOVW31

Date: 11-03-1994 22:10:09 Method: E:K608N1 11-03-1994 14:33:00 # 794

Interface: 1 Cycle#: 31 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

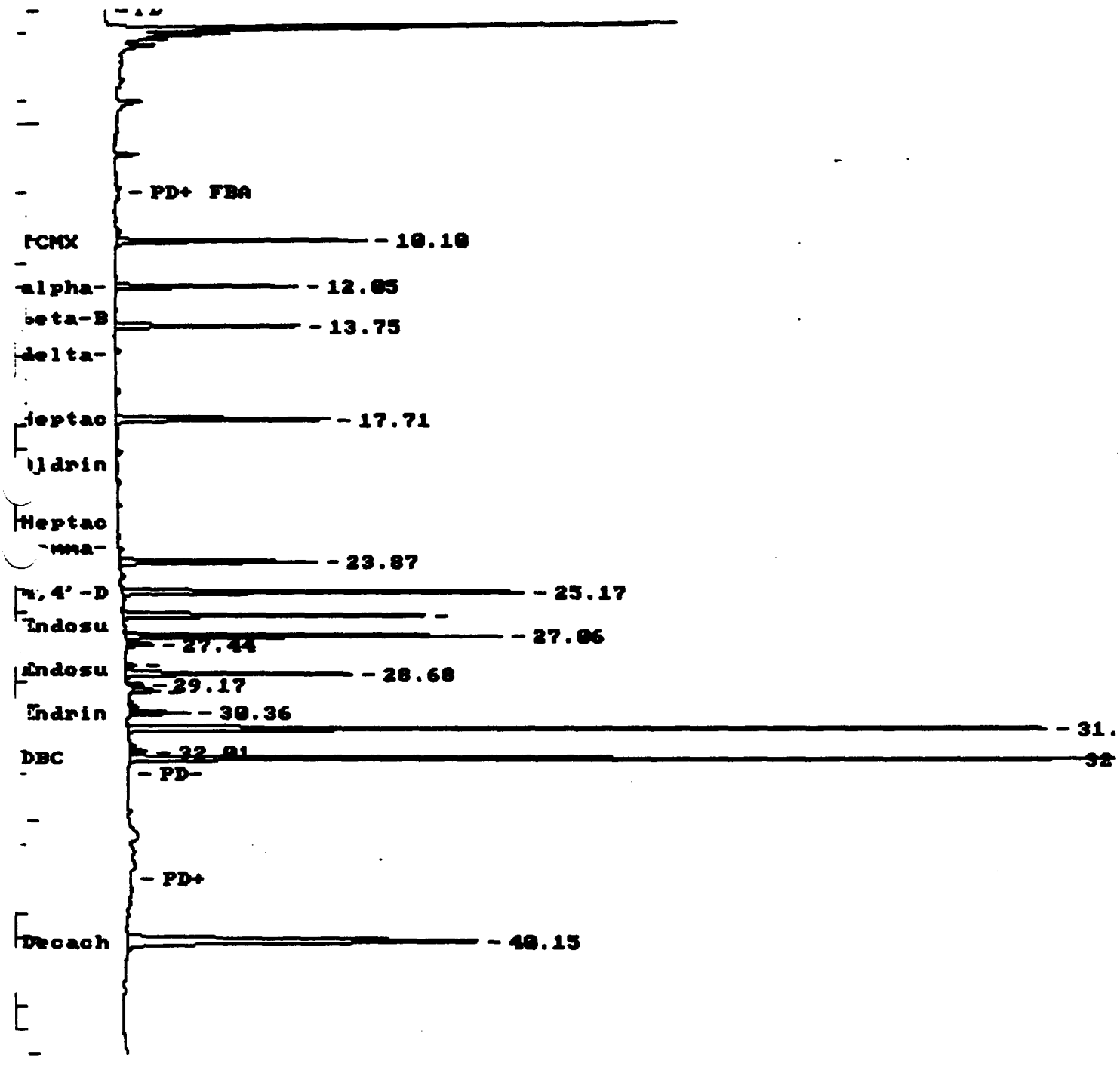
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT RL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	10.097	TCMX	19.4549	3.2517%	142384	23320	6.1 1	0	.1378	1.3664E-04
8	12.047	alpha-BHC	19.5620	3.2696%	105186	16973	6.2 1	0	.1130	1.8598E-04
10	13.748	gamma-BHC	19.4833	3.2564%	111650	17114	6.5 1	0	.1486	1.7450E-04
13	17.715	Heptachlor	19.2490	3.2173%	162226	19043	8.2 1	0	0	1.1865E-04
22	23.865	Endosulfan I	19.3944	3.2416%	141638	18328	7.7 1	0	0	1.3693E-04
25	25.172	Dieldrin	39.7799	6.6488%	265645	37641	7.1 1	0	0	1.4975E-04
28	26.177	Endrin	38.2429	6.3919%	198966	28297	7.0 1	0	0	1.9221E-04
	27.061	4,4'-DDD	39.4027	6.5857%	228390	35286	6.5 1	0	0	1.7252E-04
	27.437	Endrin aldehyde	3.3116	0.5535%	16930	2428	7.0 1	0	0	1.9560E-04
33	28.328	Endosulfan sulfate	1.1572	0.1934%	7397	1107	6.7 1	0	-.4722	1.5644E-04
34	28.683	4,4'-DDT	39.5603	6.6121%	143547	21102	6.8 1	0	0	2.7559E-04
35	29.172		0.0000	0.0000%	6456	1172	5.5 1			0.0000E+00
36	29.426		0.0000	0.0000%	24070	2593	9.3 1			0.0000E+00
40	30.358	Endrin ketone	5.5731	0.9315%	35169	5530	6.4 1	0	0	1.5847E-04
41	31.028	Methoxychlor	196.6627	32.8701%	544117	85989	6.3 1	0	0	3.6143E-04
44	32.006		0.0000	0.0000%	11346	1608	7.1 1			0.0000E+00
45	32.327	DBC	97.9568	16.3725%	702042	102177	6.9 1	0	0	1.3953E-04
47	40.153	Decachlorobiphenyl	39.5112	6.6039%	455308	32731	13.9 1	0	0	8.6779E-05

TOTAL AMOUNT = 598.3020

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
beta-BHC	13.36	Decachlorobiphenyl
delta-BHC	14.94	Decachlorobiphenyl
Aldrin	19.65	Decachlorobiphenyl
Heptachlor epoxide	22.16	Decachlorobiphenyl
gamma-Chlordane	23.23	Decachlorobiphenyl
alpha-Chlordane	24.03	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
Endosulfan II	26.58	Decachlorobiphenyl

reas, times, and heights stored in: F:BNOVW31.ATB
ta File = F:BNOVW31.PTS Printed on 11-04-1994 at 09:21:17
rt time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:09:41 Version 5.1.5 **********

Sample Name: INDB-M Data File: F:ANOVW32

Date: 11-03-1994 23:03:21 Method: E:J608N1 11-03-1994 09:47:31 # 901

Interface: 1 Cycle#: 32 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

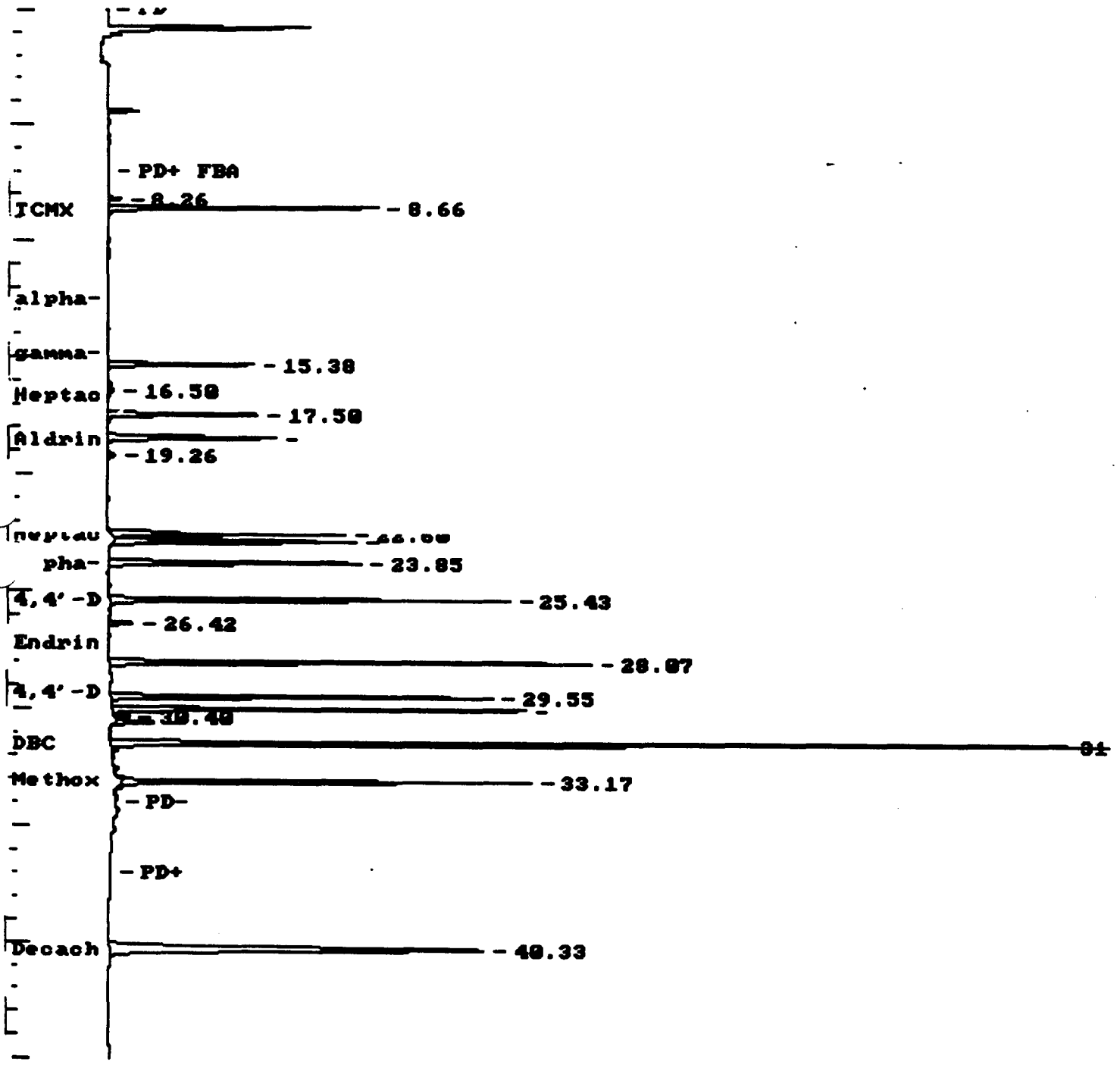
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	8.261		0.0000	0.0000%	7264	1201	6.1	1			0.0000E+00
3	8.663	TCMX	20.0058	4.0773%	155997	25165	6.2	1	0	0	1.2824E-04
8	15.383	beta-BHC	20.1835	4.1136%	93091	13516	6.9	1	0	0	2.1681E-04
10	16.495	Heptachlor	0.6761	0.1378%	6221	546	11.4	1	0	-.7675	1.0868E-04
11	17.500	delta-BHC	20.1753	4.1119%	100729	13989	7.2	1	0	0	2.0029E-04
12	18.492	Aldrin	20.3469	4.1469%	134925	15573	8.7	1	0	.0378	1.5080E-04
	19.263		0.0000	0.0000%	5658	667	8.5	1			0.0000E+00
	22.599	Heptachlor epoxide	20.2937	4.1360%	177241	21710	8.2	1	0	0	1.1450E-04
16	22.927	gamma-Chlordane	20.3189	4.1412%	192700	22670	8.5	1	0	0	1.0544E-04
17	23.852	alpha-Chlordane	20.5228	4.1827%	193055	23506	8.2	1	0	0	1.0631E-04
20	25.433	4,4'-DDE	41.0166	8.3595%	261388	37448	7.0	1	0	0	1.5692E-04
21	26.425		0.0000	0.0000%	14662	2214	6.6	1			0.0000E+00
23	28.073	Endosulfan II	40.7891	8.3132%	312156	45111	6.9	1	0	0	1.3067E-04
26	29.554	Endrin Aldehyde	40.7149	8.2980%	237602	35640	6.7	1	0	0	1.7136E-04
27	30.076	Endosulfan sulfate	41.0019	8.3565%	252417	38544	6.5	1	0	0	1.6244E-04
28	30.405		0.0000	0.0000%	7239	1267	5.7	1			0.0000E+00
29	30.639		0.0000	0.0000%	26597	3794	7.0	1			0.0000E+00
30	31.517	DBC	102.0038	20.7892%	680027	101492	6.7	1	0	0	1.5000E-04
35	33.172	Endrin ketone	40.5772	8.2700%	259197	38140	6.8	1	0	0	1.5655E-04
39	40.334	Decachlorobiphenyl	42.0305	8.5662%	474673	34854	13.6	1	0	0	8.8546E-05

TOTAL AMOUNT = 490.6569

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.54	DBC
gamma-BHC	14.81	DBC
Endosulfan I	23.88	DBC
Dieldrin	25.48	DBC
Endrin	27.19	DBC
4'-DDD	28.04	DBC
4'-DDT	29.31	DBC
Methoxychlor	33.02	DBC

reas, times, and heights stored in: F:ANOVW32.ATB
ta File = F:ANOVW32.PTS Printed on 11-04-1994 at 09:09:47
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:21:33 Version 5.1.5 **********

Sample Name: INDB-M Data File: F:BNOVW32

Date: 11-03-1994 23:03:21 Method: E:K608N1 11-03-1994 14:33:00 # 794

Interface: 1 Cycle#: 32 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1: -

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

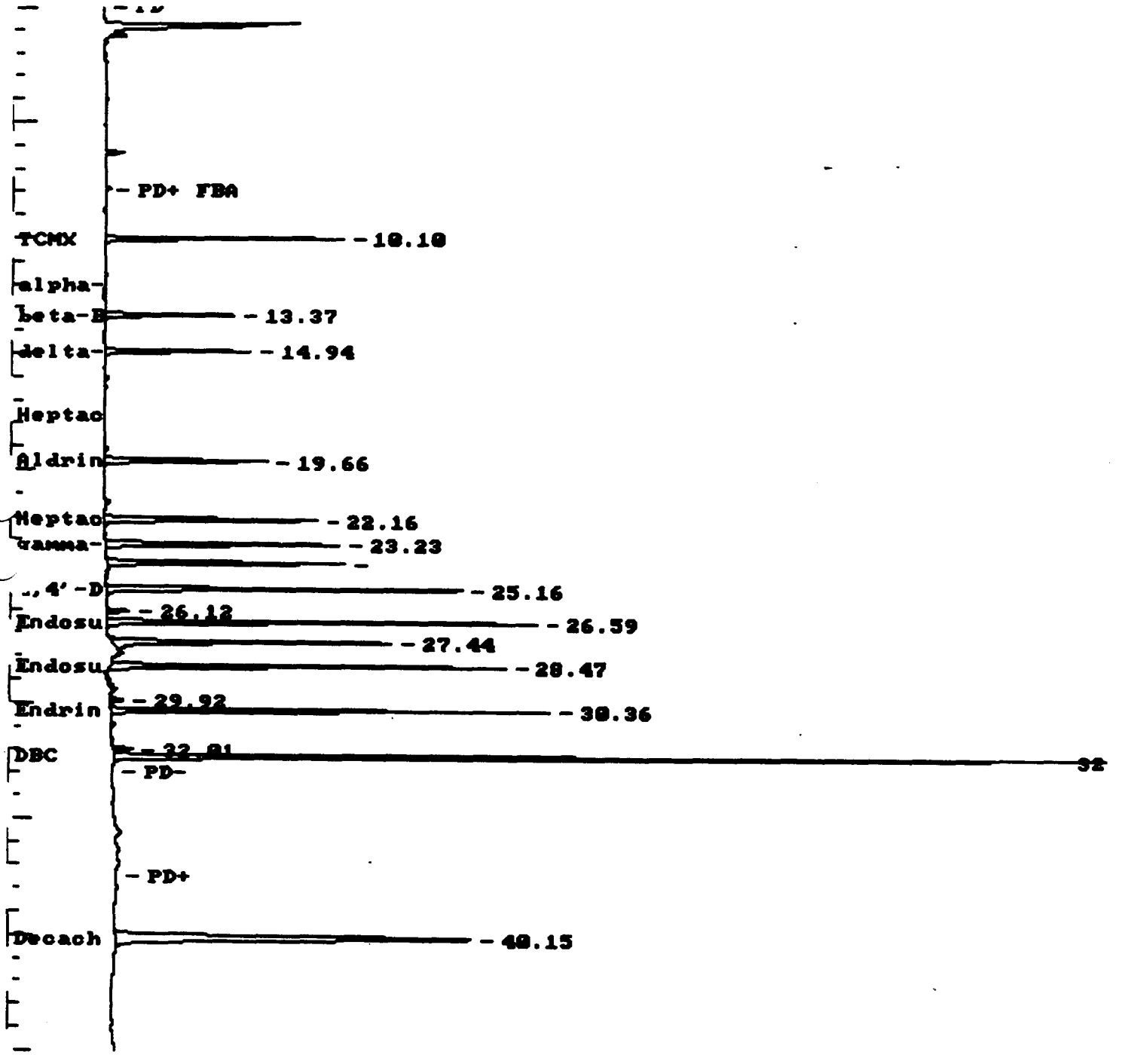
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
2	10.097	TCMX	18.8531	4.0234%	137980	22338	6.2	1	0	.1378	1.3664E-04
5	13.366	beta-BHC	19.5927	4.1813%	80998	12099	6.7	1	0	0	2.4189E-04
6	14.941	delta-BHC	19.6998	4.2041%	93265	13705	6.8	1	0	0	2.1122E-04
12	19.658	Aldrin	19.6630	4.1963%	121410	15215	8.0	1	0	0	1.6196E-04
15	22.164	Heptachlor epoxide	19.7202	4.2085%	165309	19847	8.3	1	0	0	1.1929E-04
16	23.229	gamma-Chlordane	19.7343	4.2115%	180880	21924	8.3	1	0	0	1.0910E-04
	24.040	alpha-Chlordane	19.7043	4.2051%	171263	22181	7.7	1	0	0	1.1505E-04
	25.159	Dieldrin	35.4779	7.5713%	236917	33394	7.1	1	0	0	1.4975E-04
20	26.123	Endrin	3.0743	0.6561%	15995	2132	7.5	1	0	-.1555	1.9221E-04
21	26.586	Endosulfan II	39.4368	8.4162%	278669	40327	6.9	1	0	0	1.4152E-04
22	27.437	Endrin aldehyde	39.4616	8.4215%	201744	26107	7.7	1	0	0	1.9560E-04
24	28.468	Endosulfan sulfate	39.8591	8.5063%	254788	37209	6.8	1	0	0	1.5644E-04
29	29.916		0.0000	0.0000%	9004	1243	7.2	1			0.0000E+00
30	30.358	Endrin ketone	40.0373	8.5443%	252649	41172	6.1	1	0	0	1.5847E-04
33	32.006		0.0000	0.0000%	12821	1767	7.3	1			0.0000E+00
34	32.327	DBC	94.1219	20.0865%	674558	97683	6.9	1	0	0	1.3953E-04
36	40.146	Decachlorobiphenyl	40.1463	8.5676%	462625	33320	13.9	1	0	0	8.6779E-05

TOTAL AMOUNT = 468.5826

PEAKS NOT FOUND IN THIS RUN

AME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.03	Decachlorobiphenyl
gamma-BHC	13.73	Decachlorobiphenyl
eptachlor	17.70	Decachlorobiphenyl
ndosulfan I	23.85	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
4,4'-DDD	27.06	Decachlorobiphenyl
,4'-DDT	28.68	Decachlorobiphenyl
ethoxychlor	31.02	Decachlorobiphenyl

Areas, times, and heights stored in: F:BNOVW32.ATB
Data File = F:BNOVW32.PTS Printed on 11-04-1994 at 09:21:39
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:10:03 Version 5.1.5 **********

Sample Name: AR1060 @ 1000 ug/L Data File: F:ANOVW33 *

Date: 11-03-1994 23:56:33 Method: E:J1060N1 11-03-1994 12:17:27 # 163*

* Interface: 1 Cycle#: 33 Operator MAC Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

****

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *

* Solvent Description: DB-1;3.0 u film thickness *

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *

Detector 0: FID Detector 1: *

* Misc. Information: *

****

tarting Delay: 0.00 Ending retention time: 45.00

rea reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

ample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	19.9534	0.1846%	155588	25153	6.2	1	56	.3163	1.2824E-04
3	10.539		0.0000	0.0000%	7140	1080	6.6	2			0.0000E+00
4	10.720		0.0000	0.0000%	40858	5238	7.8	2			0.0000E+00
5	11.149		0.0000	0.0000%	37271	4623	8.1	1			0.0000E+00
	11.993		0.0000	0.0000%	51088	6975	7.3	2			0.0000E+00
7	12.348	Aroclor-1016	1037.6685	9.5990%	247090	32811	7.5	3	68	0	4.1996E-03
	12.676		0.0000	0.0000%	10507	1346	7.8	4			0.0000E+00
	14.311		0.0000	0.0000%	42889	4904	8.7	2			0.0000E+00
	14.767	Aroclor-1016	1036.0997	9.5845%	615546	71096	8.7	2	68	0	1.6832E-03
11	15.410		0.0000	0.0000%	48556	4520	10.7	2			0.0000E+00
2	16.006		0.0000	0.0000%	141212	17273	8.2	2			0.0000E+00
3	16.241		0.0000	0.0000%	74535	9818	7.6	2			0.0000E+00
14	16.455		0.0000	0.0000%	236066	28284	8.3	2			0.0000E+00
5	16.911	Aroclor-1016	1049.0796	9.7046%	926803	94158	9.8	2	56	.2744	1.1319E-03
6	17.862	Aroclor-1016	1046.1191	9.6772%	352123	38965	9.0	2	56	.2689	2.9709E-03
17	18.264		0.0000	0.0000%	63660	7148	8.9	2			0.0000E+00
18	18.639		0.0000	0.0000%	202376	23392	8.7	2			0.0000E+00
9	18.874	Aroclor-1016	1031.6868	9.5437%	279020	33111	8.4	2	50	0	3.6975E-03
0	19.135		0.0000	0.0000%	253791	28349	9.0	2			0.0000E+00
21	19.276		0.0000	0.0000%	153077	19915	7.7	2			0.0000E+00
2	19.497		0.0000	0.0000%	110803	12912	8.6	2			0.0000E+00
3	20.060		0.0000	0.0000%	39122	3946	9.9	2			0.0000E+00
24	20.757		0.0000	0.0000%	370858	36613	10.1	2			0.0000E+00
25	20.971		0.0000	0.0000%	117232	14012	8.4	2			0.0000E+00
6	21.346		0.0000	0.0000%	84287	12372	6.8	2			0.0000E+00
7	21.460		0.0000	0.0000%	182590	21202	8.6	2			0.0000E+00
28	21.741		0.0000	0.0000%	72227	8567	8.4	2			0.0000E+00
29	21.976		0.0000	0.0000%	33834	3940	8.6	2			0.0000E+00
0	22.318		0.0000	0.0000%	52025	6155	8.5	2			0.0000E+00
1	22.619		0.0000	0.0000%	102818	10898	9.4	2			0.0000E+00
2	23.115		0.0000	0.0000%	213345	25720	8.3	2			0.0000E+00
	23.497		0.0000	0.0000%	214217	26675	8.0	3			0.0000E+00
5	24.154		0.0000	0.0000%	7979	1011	7.9	2			0.0000E+00
	24.837		0.0000	0.0000%	9978	1291	7.7	1			0.0000E+00
	25.581		0.0000	0.0000%	21392	3009	7.1	2			0.0000E+00
	26.083	Aroclor-1260	1045.1086	9.6678%	378881	51222	7.4	2	68	0	2.7584E-03
0	26.472		0.0000	0.0000%	283674	27752	10.2	2			0.0000E+00
41	26.666		0.0000	0.0000%	26054	3965	6.6	2			0.0000E+00

42	26.934	Aroclor-1260	1043.6442	9.6543%	782421	93970	8.3	2	50	0	1.3339E-03
	27.363	Aroclor-1260	1048.8046	9.7020%	809943	112887	7.2	2	50	.0029	1.2949E-03
	27.684		0.0000	0.0000%	27826	3968	7.0	2			0.0000E+00
46	28.234		0.0000	0.0000%	254684	38943	6.5	2			0.0000E+00
48	28.783	Aroclor-1260	1044.2456	9.6598%	505065	58979	8.6	2	68	0	2.0675E-03
49	28.998		0.0000	0.0000%	278174	40150	6.9	2			0.0000E+00
50	29.225	Aroclor-1260	1076.1119	9.9546%	642544	83509	7.7	2	68	0	1.6748E-03
51	29.386		0.0000	0.0000%	579009	84473	6.9	2			0.0000E+00
52	29.654		0.0000	0.0000%	304349	42457	7.2	2			0.0000E+00
53	30.197		0.0000	0.0000%	86040	12563	6.8	2			0.0000E+00
54	30.860		0.0000	0.0000%	630898	81361	7.8	2			0.0000E+00
55	31.195		0.0000	0.0000%	447958	50619	8.8	2			0.0000E+00
56	31.436	DBC	315.9918	2.9231%	2106617	219429	9.6	3	68	-.1996	1.5000E-04
58	32.508		0.0000	0.0000%	53305	5577	9.6	1			0.0000E+00
59	32.964		0.0000	0.0000%	361578	43801	8.3	2			0.0000E+00
60	33.152		0.0000	0.0000%	148183	23431	6.3	2			0.0000E+00
61	33.319		0.0000	0.0000%	625305	83182	7.5	2			0.0000E+00
62	33.761		0.0000	0.0000%	14442	1768	8.2	2			0.0000E+00
63	34.559		0.0000	0.0000%	13262	1210	11.0	1			0.0000E+00
64	35.188		0.0000	0.0000%	8328	966	8.6	2			0.0000E+00
65	35.510		0.0000	0.0000%	114321	13124	8.7	2			0.0000E+00
66	35.738		0.0000	0.0000%	295390	32359	9.1	2			0.0000E+00
67	37.976		0.0000	0.0000%	56551	5049	11.2	1			0.0000E+00
68	40.327	Decachlorobiphenyl	15.6539	0.1448%	176788	12934	13.7	1	68	0	8.8546E-05

TOTAL AMOUNT = 10810.1689

reas, times, and heights stored in: F:ANOVW33.ATB
ta File = F:ANOVW33.PTS Printed on 11-04-1994 at 09:10:11
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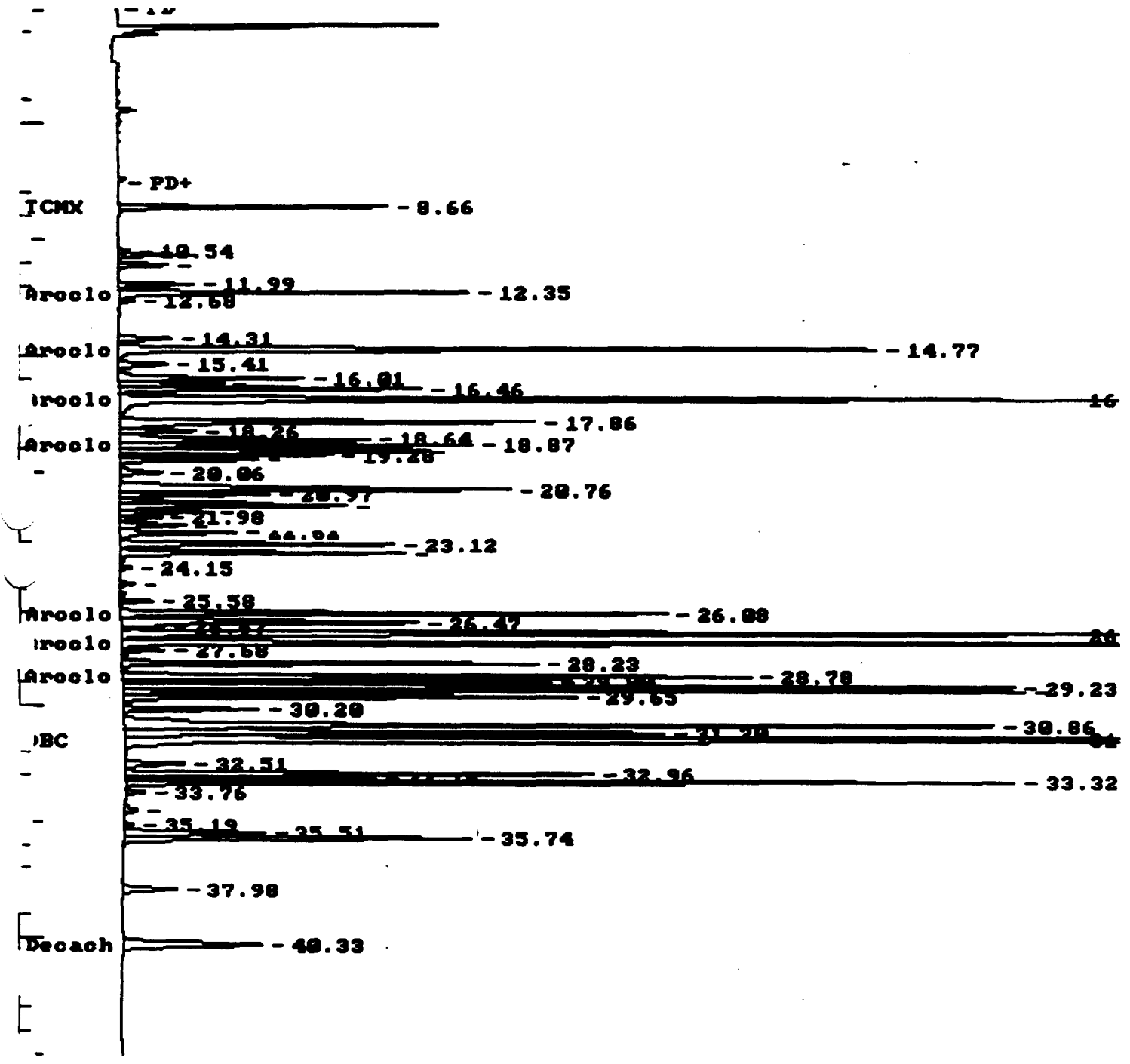
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:21:55 Version 5.1.5 **********

Sample Name: AR1060 @ 1000 ug/L Data File: F:BNOVW33

Date: 11-03-1994 23:56:33 Method: E:K1060N1 11-03-1994 12:17:49 # 164

Interface: 1 Cycle#: 33 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1: -

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

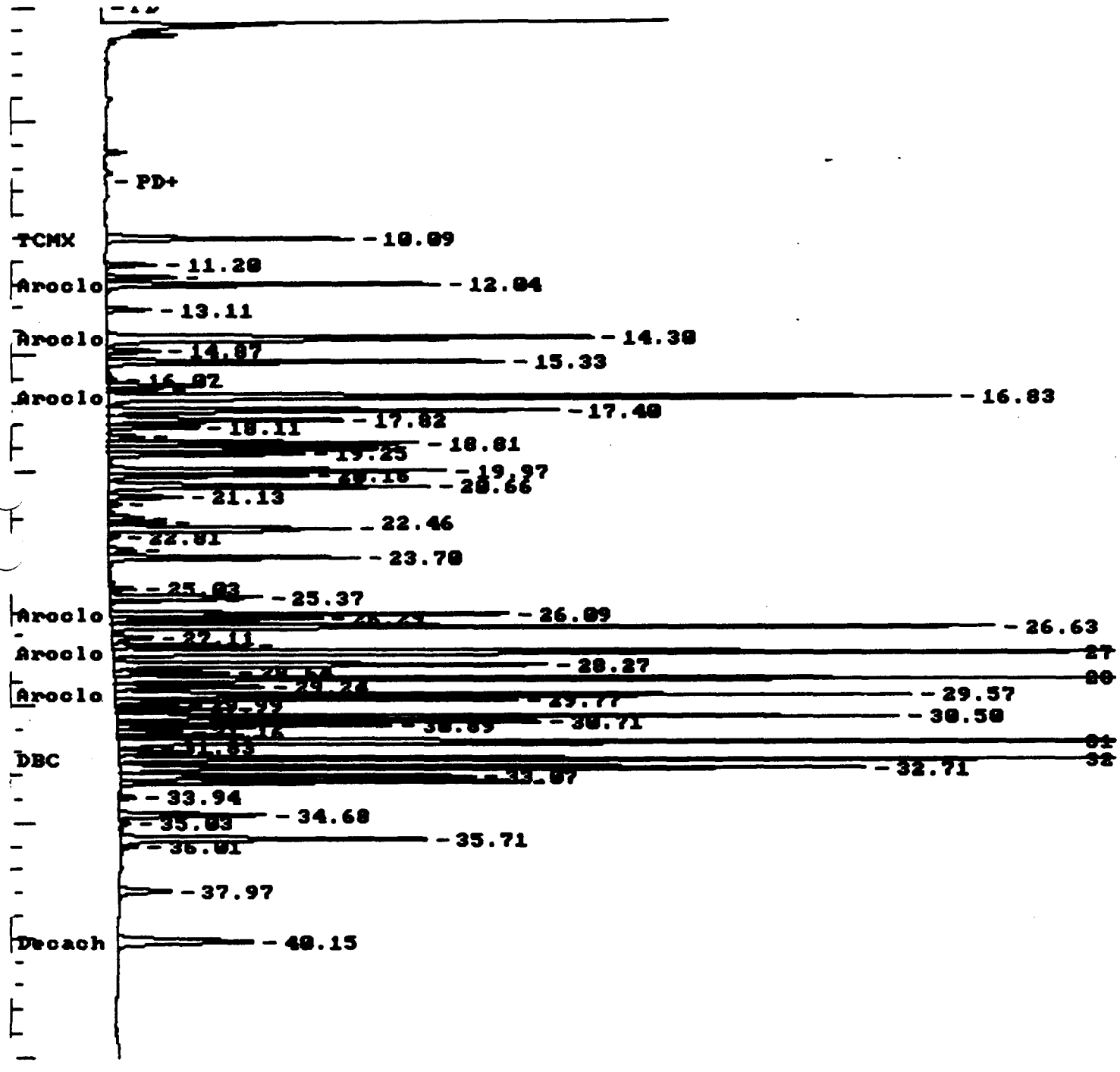
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	10.090	TCMX	23.9317	0.2325%	175149	23059	7.6	1	67	.0296	1.3664E-04
6	11.202		0.0000	0.0000%	33995	4792	7.1	1			0.0000E+00
7	11.738		0.0000	0.0000%	46614	6528	7.1	2			0.0000E+00
8	12.040	Aroclor-1016	1026.7068	9.9737%	227728	31085	7.3	2	79	0	4.5085E-03
9	13.105		0.0000	0.0000%	30310	4133	7.3	1			0.0000E+00
10	14.298	Aroclor-1016	1016.8885	9.8783%	543796	45501	12.0	2	79	0	1.8700E-03
	14.874		0.0000	0.0000%	39348	4943	8.0	2			0.0000E+00
	15.330	Aroclor-1016	1014.9377	9.8594%	280722	37159	7.6	2	67	0	3.6155E-03
14	16.073		0.0000	0.0000%	6656	890	7.5	2			0.0000E+00
15	16.321		0.0000	0.0000%	68566	8658	7.9	2			0.0000E+00
16	16.462		0.0000	0.0000%	35161	5167	6.8	2			0.0000E+00
17	16.830	Aroclor-1016	1031.2399	10.0177%	825284	78917	10.5	2	67	0	1.2496E-03
18	17.400	Aroclor-1016	1021.6041	9.9241%	356639	42215	8.4	2	55	0	2.8645E-03
19	17.815		0.0000	0.0000%	189030	21995	8.6	2			0.0000E+00
20	18.110		0.0000	0.0000%	70841	8458	8.4	2			0.0000E+00
21	18.552		0.0000	0.0000%	27717	3371	8.2	2			0.0000E+00
22	18.807		0.0000	0.0000%	239333	29042	8.2	2			0.0000E+00
23	19.055		0.0000	0.0000%	210718	25148	8.4	2			0.0000E+00
24	19.249		0.0000	0.0000%	173552	18332	9.5	2			0.0000E+00
26	19.973		0.0000	0.0000%	266562	31595	8.4	2			0.0000E+00
27	20.160		0.0000	0.0000%	161321	18598	8.7	2			0.0000E+00
28	20.663		0.0000	0.0000%	290738	29979	9.7	2			0.0000E+00
29	21.125		0.0000	0.0000%	58746	6889	8.5	2			0.0000E+00
30	21.447		0.0000	0.0000%	11119	1184	9.4	2			0.0000E+00
32	22.010		0.0000	0.0000%	28148	3364	8.4	2			0.0000E+00
33	22.217		0.0000	0.0000%	45138	5343	8.4	2			0.0000E+00
34	22.458		0.0000	0.0000%	198448	22574	8.8	2			0.0000E+00
35	22.814		0.0000	0.0000%	8403	962	8.7	2			0.0000E+00
36	23.403		0.0000	0.0000%	24490	2580	9.5	2			0.0000E+00
37	23.705		0.0000	0.0000%	189165	23332	8.1	2			0.0000E+00
42	25.031		0.0000	0.0000%	17813	2536	7.0	2			0.0000E+00
	25.373		0.0000	0.0000%	110149	14123	7.8	2			0.0000E+00
44	25.500		0.0000	0.0000%	61775	9808	6.3	2			0.0000E+00
	26.090	Aroclor-1260	1017.2465	9.8818%	272049	37147	7.3	2	79	0	3.7392E-03
	26.291		0.0000	0.0000%	145923	19656	7.4	2			0.0000E+00
47	26.633	Aroclor-1260	1016.5962	9.8755%	624614	82437	7.6	2	55	0	1.6276E-03
48	27.108		0.0000	0.0000%	33920	3770	9.0	2			0.0000E+00
49	27.457		0.0000	0.0000%	88925	12773	7.0	2			0.0000E+00

50	27.718	Aroclor-1260	1020.7869	9.9162%	903520	101492	8.9	2	55	.0251	1.1298E-03
	28.267		0.0000	0.0000%	417481	40488	10.3	2			0.0000E+00
	28.636		0.0000	0.0000%	76207	10699	7.1	2			0.0000E+00
53	28.870	Aroclor-1260	997.8237	9.6931%	715345	94861	7.5	2	79	0	1.3949E-03
54	29.239		0.0000	0.0000%	97903	13900	7.0	2			0.0000E+00
55	29.574	Aroclor-1260	999.5778	9.7102%	549799	74305	7.4	2	79	0	1.8181E-03
56	29.775		0.0000	0.0000%	260879	37510	7.0	3			0.0000E+00
57	29.989		0.0000	0.0000%	37402	5497	6.8	4			0.0000E+00
58	30.204		0.0000	0.0000%	70083	10551	6.6	2			0.0000E+00
59	30.498		0.0000	0.0000%	496179	72987	6.8	2			0.0000E+00
60	30.713		0.0000	0.0000%	266060	39455	6.7	2			0.0000E+00
61	30.887		0.0000	0.0000%	182388	25524	7.1	2			0.0000E+00
62	31.155		0.0000	0.0000%	42272	6010	7.0	2			0.0000E+00
63	31.323		0.0000	0.0000%	79754	11707	6.8	2			0.0000E+00
64	31.570		0.0000	0.0000%	1151575	161301	7.1	3			0.0000E+00
65	31.825		0.0000	0.0000%	15996	2570	6.2	4			0.0000E+00
66	32.039		0.0000	0.0000%	49692	6692	7.4	2			0.0000E+00
67	32.327	DBC	91.7114	0.8909%	657282	95327	6.9	2	79	0	1.3953E-04
68	32.709		0.0000	0.0000%	526197	69602	7.6	2			0.0000E+00
69	33.071		0.0000	0.0000%	258762	32994	7.8	2			0.0000E+00
70	33.299		0.0000	0.0000%	291979	37483	7.8	2			0.0000E+00
71	33.936		0.0000	0.0000%	11787	1529	7.7	1			0.0000E+00
72	34.679		0.0000	0.0000%	120285	13610	8.8	2			0.0000E+00
73	35.028		0.0000	0.0000%	8798	946	9.3	2			0.0000E+00
75	35.711		0.0000	0.0000%	272018	28351	9.6	2			0.0000E+00
5	36.013		0.0000	0.0000%	14386	1516	9.5	2			0.0000E+00
78	37.969		0.0000	0.0000%	56651	4779	11.9	1			0.0000E+00
79	40.153	Decachlorobiphenyl	15.1005	0.1467%	174011	12573	13.8	1	79	0	8.6779E-05

TOTAL AMOUNT = 10294.1514

Areas, times, and heights stored in: F:BNOVW33.ATB
Data File = F:BNOVW33.PTS Printed on 11-04-1994 at 09:22:03
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:10:27 Version 5.1.5 **********

* Sample Name: AR1254 @ 1000 µg/L 04-4-94 Data File: F:ANOVW34 *
* Date: 11-04-1994 00:49:40 Method: E:J1254N1 11-03-1994 11:47:53 # 165*
* Interface: 1 Cycle#: 34 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: - *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
8	8.663	TCMX	20.1065	0.3850%	156782	25471	6.2	2	74	.0497	1.2824E-04
12	10.720		0.0000	0.0000%	11677	1520	7.7	2			0.0000E+00
13	11.156		0.0000	0.0000%	8090	1015	8.0	1			0.0000E+00
14	11.993		0.0000	0.0000%	11449	1594	7.2	2			0.0000E+00
15	12.355		0.0000	0.0000%	57983	7660	7.6	3			0.0000E+00
17	14.311		0.0000	0.0000%	10865	1323	8.2	2			0.0000E+00
18	14.774		0.0000	0.0000%	168142	20314	8.3	2			0.0000E+00
	15.410		0.0000	0.0000%	10876	1119	9.7	2			0.0000E+00
20	16.006		0.0000	0.0000%	35232	4405	8.0	2			0.0000E+00
21	16.241		0.0000	0.0000%	20659	2660	7.8	2			0.0000E+00
22	16.462		0.0000	0.0000%	59946	7364	8.1	2			0.0000E+00
23	16.904		0.0000	0.0000%	211908	21298	9.9	1			0.0000E+00
24	17.869		0.0000	0.0000%	87251	9707	9.0	2			0.0000E+00
25	18.264		0.0000	0.0000%	20938	2475	8.5	2			0.0000E+00
26	18.646		0.0000	0.0000%	47319	5527	8.6	2			0.0000E+00
27	18.874		0.0000	0.0000%	290770	34822	8.4	2			0.0000E+00
28	19.135		0.0000	0.0000%	174007	13963	12.5	2			0.0000E+00
29	19.497		0.0000	0.0000%	33548	3981	8.4	2			0.0000E+00
30	20.060		0.0000	0.0000%	9911	1120	8.9	2			0.0000E+00
31	20.757		0.0000	0.0000%	195743	21740	9.0	2			0.0000E+00
32	20.971		0.0000	0.0000%	38812	4782	8.1	2			0.0000E+00
33	21.467		0.0000	0.0000%	103649	8957	11.6	2			0.0000E+00
34	21.748		0.0000	0.0000%	20554	2503	8.2	2			0.0000E+00
35	21.976		0.0000	0.0000%	54726	6517	8.4	2			0.0000E+00
36	22.318		0.0000	0.0000%	184987	22607	8.2	2			0.0000E+00
37	22.639		0.0000	0.0000%	105868	10595	10.0	2			0.0000E+00
38	23.122	Aroclor-1254	1012.7673	19.3929%	443369	54053	8.2	2	74	0	2.2843E-03
39	23.504	Aroclor-1254	1015.0526	19.4366%	528142	62432	8.5	2	74	0	1.9219E-03
40	23.872		0.0000	0.0000%	185748	24098	7.7	2			0.0000E+00
41	24.160		0.0000	0.0000%	56484	7018	8.0	2			0.0000E+00
42	24.844		0.0000	0.0000%	167788	19699	8.5	2			0.0000E+00
	25.266		0.0000	0.0000%	186177	22820	8.2	2			0.0000E+00
44	25.581		0.0000	0.0000%	265624	37526	7.1	2			0.0000E+00
[illegible]	25.889		0.0000	0.0000%	83741	12207	6.9	2			0.0000E+00
	26.097	Aroclor-1254	1015.5972	19.4471%	628957	87686	7.2	2	74	0	1.6147E-03
47	26.458		0.0000	0.0000%	139020	13823	10.1	2			0.0000E+00
48	26.679		0.0000	0.0000%	417632	58286	7.2	2			0.0000E+00
49	26.934		0.0000	0.0000%	295872	33446	8.8	2			0.0000E+00

50	27.162		0.0000	0.0000%	64810	9811	6.6	2			0.0000E+00
	27.363	Aroclor-1254	1011.6368	19.3712%	290254	38564	7.5	3	74	0	3.4854E-03
	27.691		0.0000	0.0000%	32523	4291	7.6	4			0.0000E+00
53	27.932		0.0000	0.0000%	11389	1648	6.9	2			0.0000E+00
54	28.234		0.0000	0.0000%	76767	11551	6.6	2			0.0000E+00
55	28.555		0.0000	0.0000%	169813	25951	6.5	2			0.0000E+00
56	28.770		0.0000	0.0000%	221090	29526	7.5	2			0.0000E+00
57	28.998		0.0000	0.0000%	142592	17962	7.9	2			0.0000E+00
58	29.232	Aroclor-1254	1020.2986	19.5371%	471791	60625	7.8	2	74	0	2.1626E-03
59	29.688		0.0000	0.0000%	35173	4897	7.2	2			0.0000E+00
60	29.795		0.0000	0.0000%	42046	5729	7.3	2			0.0000E+00
61	30.177		0.0000	0.0000%	16559	2127	7.8	2			0.0000E+00
62	30.646		0.0000	0.0000%	29494	3839	7.7	2			0.0000E+00
63	30.867		0.0000	0.0000%	21867	4226	5.2	2			0.0000E+00
64	30.994		0.0000	0.0000%	117173	17738	6.6	2			0.0000E+00
65	31.122		0.0000	0.0000%	79471	10748	7.4	2			0.0000E+00
66	31.510	DBC	111.8905	2.1425%	745938	102308	7.3	2	74	0	1.5000E-04
67	33.004		0.0000	0.0000%	12551	1337	9.4	2			0.0000E+00
68	33.319		0.0000	0.0000%	44177	5991	7.4	2			0.0000E+00
71	34.666		0.0000	0.0000%	5671	485	11.7	2			0.0000E+00
74	40.334	Decachlorobiphenyl	15.0199	0.2876%	169627	12571	13.5	1	74	0	8.8546E-05

TOTAL AMOUNT = 5222.3696

reas, times, and heights stored in: F:ANOVW34.ATB
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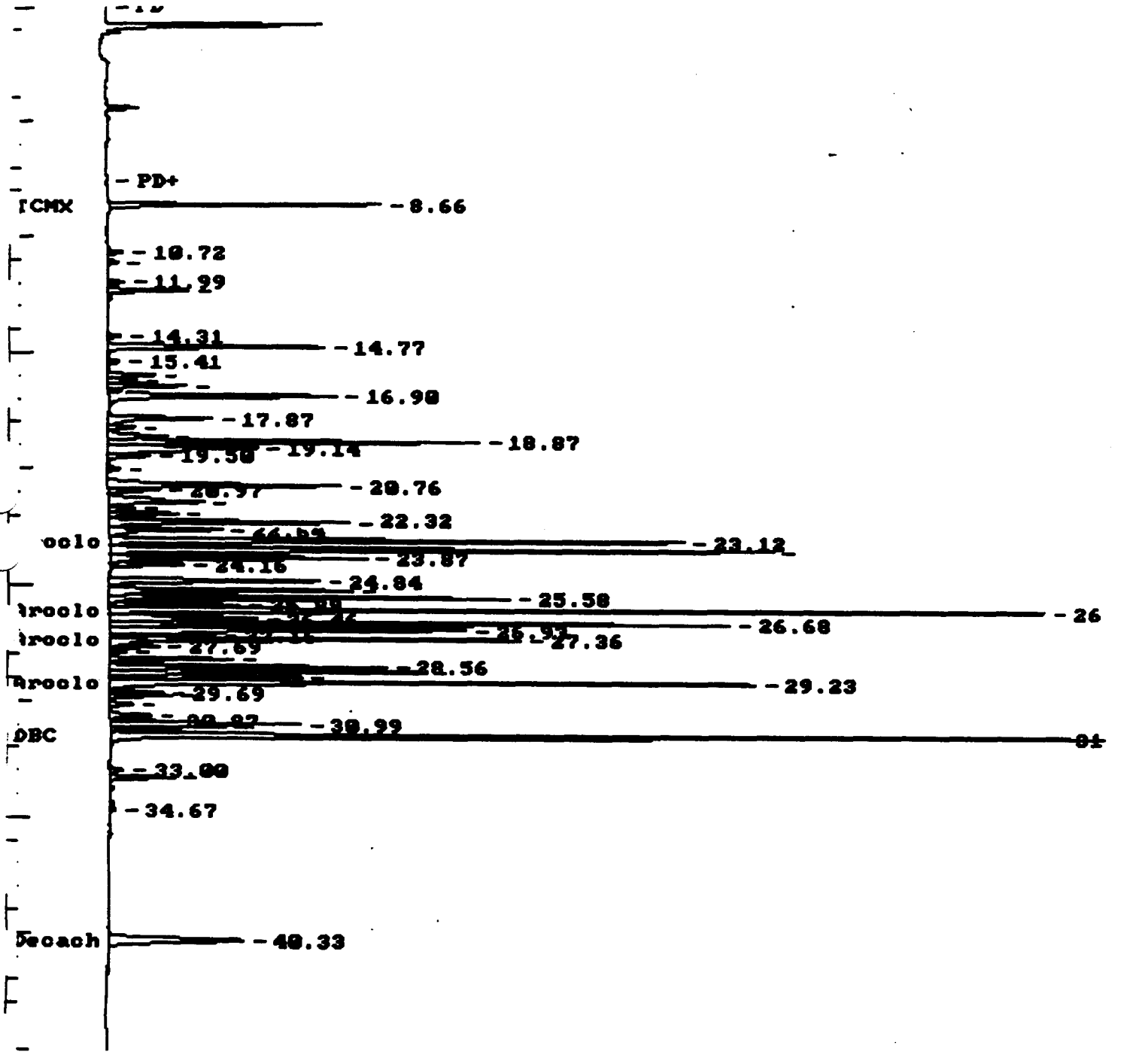
.art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:22:19 Version 5.1.5 **********

Sample Name: AR1254 @ 1000 µg/L Data File: F:BNOVW34

Date: 11-04-1994 00:49:40 Method: E:K1254N1 11-03-1994 11:48:59 # 167

Interface: 1 Cycle#: 34 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

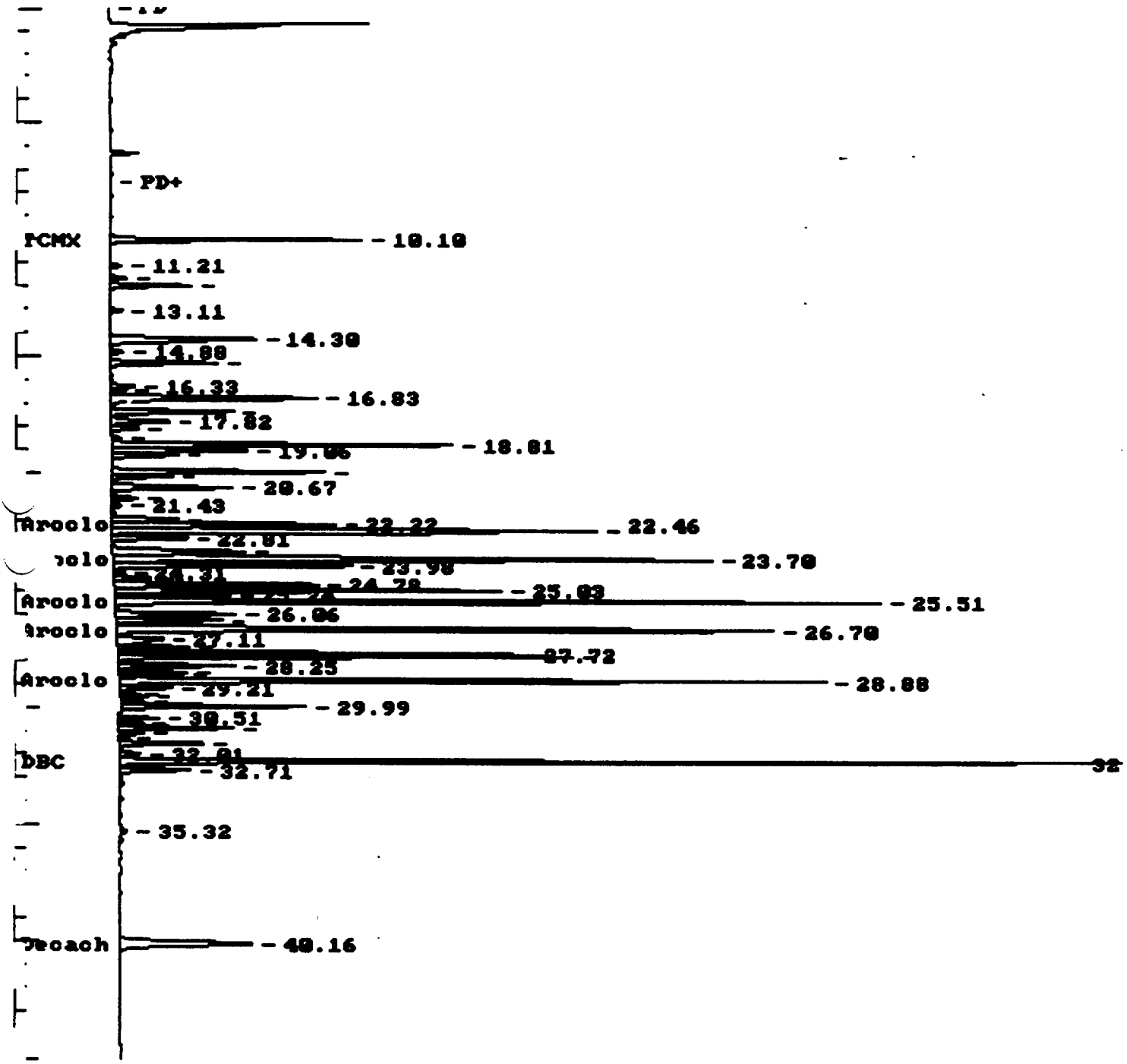
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
5	10.097	TCMX	21.0083	0.4040%	153753	23430	6.6	1	78	0	1.3664E-04
6	11.209		0.0000	0.0000%	7809	1100	7.1	1			0.0000E+00
7	11.745		0.0000	0.0000%	12070	1561	7.7	2			0.0000E+00
	12.053		0.0000	0.0000%	55135	7572	7.3	2			0.0000E+00
9	13.112		0.0000	0.0000%	8539	1183	7.2	1			0.0000E+00
10	14.305		0.0000	0.0000%	154497	13608	11.4	2			0.0000E+00
	14.881		0.0000	0.0000%	10197	1306	7.8	2			0.0000E+00
	15.336		0.0000	0.0000%	75342	9990	7.5	1			0.0000E+00
15	16.328		0.0000	0.0000%	17445	2240	7.8	2			0.0000E+00
16	16.469		0.0000	0.0000%	10564	1475	7.2	2			0.0000E+00
17	16.830		0.0000	0.0000%	204484	19135	10.7	2			0.0000E+00
18	17.407		0.0000	0.0000%	98114	11402	8.6	2			0.0000E+00
19	17.822		0.0000	0.0000%	48477	5411	9.0	2			0.0000E+00
20	18.117		0.0000	0.0000%	20524	2541	8.1	2			0.0000E+00
21	18.559		0.0000	0.0000%	7102	960	7.4	2			0.0000E+00
22	18.807		0.0000	0.0000%	260224	31739	8.2	2			0.0000E+00
23	19.062		0.0000	0.0000%	109147	12662	8.6	2			0.0000E+00
24	19.249		0.0000	0.0000%	54750	6172	8.9	2			0.0000E+00
25	19.973		0.0000	0.0000%	163674	19806	8.3	2			0.0000E+00
26	20.167		0.0000	0.0000%	46769	5670	8.2	2			0.0000E+00
27	20.670		0.0000	0.0000%	107037	11275	9.5	2			0.0000E+00
29	21.132		0.0000	0.0000%	21140	2495	8.5	2			0.0000E+00
30	21.433		0.0000	0.0000%	8205	976	8.4	2			0.0000E+00
32	22.016		0.0000	0.0000%	49237	6226	7.9	2			0.0000E+00
33	22.217		0.0000	0.0000%	174862	20737	8.4	2			0.0000E+00
34	22.458	Aroclor-1254	1029.0770	19.7895%	398601	45215	8.8	2	78	.0241	2.5817E-03
35	22.814		0.0000	0.0000%	58301	6942	8.4	2			0.0000E+00
36	23.396		0.0000	0.0000%	123249	12284	10.0	2			0.0000E+00
37	23.705	Aroclor-1254	1021.3921	19.6417%	553141	55866	9.9	2	78	0	1.8465E-03
38	23.979		0.0000	0.0000%	171971	22102	7.8	2			0.0000E+00
	24.308		0.0000	0.0000%	7762	984	7.9	2			0.0000E+00
	24.529		0.0000	0.0000%	25739	3455	7.4	2			0.0000E+00
41	24.783		0.0000	0.0000%	141660	18904	7.5	2			0.0000E+00
	5.031		0.0000	0.0000%	271444	36033	7.5	2			0.0000E+00
	5.239		0.0000	0.0000%	79189	10758	7.4	2			0.0000E+00
44	25.507	Aroclor-1254	1005.7517	19.3409%	555875	71345	7.8	2	78	0	1.8093E-03
45	26.056		0.0000	0.0000%	102410	11136	9.2	2			0.0000E+00
46	26.304		0.0000	0.0000%	77182	9835	7.8	2			0.0000E+00

7	26.492		0.0000	0.0000%	25410	5007	5.1	2			0.0000E+00
	26.700	Aroclor-1254	1011.4725	19.4509%	600472	61210	9.8	2	78	0	1.6845E-03
	27.115		0.0000	0.0000%	57986	4199	13.8	2			0.0000E+00
50	27.457		0.0000	0.0000%	45835	6602	6.9	2			0.0000E+00
51	27.725		0.0000	0.0000%	239510	36693	6.5	2			0.0000E+00
52	27.839		0.0000	0.0000%	324930	42311	7.7	2			0.0000E+00
53	28.254		0.0000	0.0000%	76916	10716	7.2	2			0.0000E+00
54	28.562		0.0000	0.0000%	40144	6292	6.4	2			0.0000E+00
55	28.636		0.0000	0.0000%	34149	6020	5.7	2			0.0000E+00
56	28.877	Aroclor-1254	1003.5527	19.2986%	513516	65813	7.8	2	78	0	1.9543E-03
57	29.205		0.0000	0.0000%	32538	4814	6.8	2			0.0000E+00
58	29.460		0.0000	0.0000%	7650	1403	5.5	2			0.0000E+00
59	29.574		0.0000	0.0000%	16910	2490	6.8	2			0.0000E+00
60	29.781		0.0000	0.0000%	13223	2165	6.1	2			0.0000E+00
61	29.989		0.0000	0.0000%	118270	17084	6.9	2			0.0000E+00
62	30.505		0.0000	0.0000%	25065	3709	6.8	2			0.0000E+00
63	30.720		0.0000	0.0000%	14975	2301	6.5	2			0.0000E+00
64	30.921		0.0000	0.0000%	76240	10694	7.1	2			0.0000E+00
65	31.142		0.0000	0.0000%	15964	2333	6.8	2			0.0000E+00
66	31.329		0.0000	0.0000%	5914	885	6.7	2			0.0000E+00
67	31.577		0.0000	0.0000%	54693	7808	7.0	3			0.0000E+00
69	32.013		0.0000	0.0000%	16863	2043	8.3	2			0.0000E+00
70	32.327	DBC	93.2153	1.7926%	668060	97097	6.9	2	78	0	1.3953E-04
71	32.709		0.0000	0.0000%	51279	6538	7.8	3			0.0000E+00
76	35.316		0.0000	0.0000%	7148	670	10.7	2			0.0000E+00
	40.160	Decachlorobiphenyl	14.6517	0.2818%	168839	12232	13.8	1	78	0	8.6779E-05

TOTAL AMOUNT = 5200.1216

reas, times, and heights stored in: F:BNOVW34.ATB
ta File = F:BNOVW34.PTS Printed on 11-04-1994 at 09:22:27
rt time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



EM Processed: 11-04-1994 10:27:03, segment 2, cycle 44
W DATA SAVED IN FILE F:ANOVW44.PTS Second Channel Stored in F:BNOVW44.PTS

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 10:27:13 Version 5.1.5 **********

* Sample Name: PEM Data File: F:ANOVW44 *
* Date: 11-04-1994 09:41:14 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 44 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	8.663	TCMX	19.8328	3.1837%	154649	25015	6.2	1	0	0	1.2824E-04
10	12.542	alpha-BHC	9.6325	1.5463%	55454	8090	6.9	1	0	0	1.7370E-04
13	14.820	gamma-BHC	9.3150	1.4953%	57076	8028	7.1	1	0	0	1.6320E-04
14	15.383	beta-BHC	7.1369	1.1457%	32917	4705	7.0	1	0	0	2.1681E-04
7	19.269		0.0000	0.0000%	7556	876	8.6	1			0.0000E+00
	25.440	4,4'-DDE	1.8767	0.3013%	11960	1644	7.3	1	0	0	1.5692E-04
23	27.195	Endrin	47.9449	7.6964%	237968	35209	6.8	1	0	0	2.0148E-04
24	28.053	Endosulfan II	11.6684	1.8731%	89297	12110	7.4	1	0	0	1.3067E-04
27	29.313	4,4'-DDT	118.7361	19.0602%	462771	76897	6.0	1	0	0	2.5658E-04
28	29.560	Endrin Aldehyde	4.6399	0.7448%	27077	4576	5.9	1	0	0	1.7136E-04
29	30.103	Endosulfan sulfate	3.0679	0.4925%	18887	2491	7.6	1	0	.1100	1.6244E-04
31	30.639		0.0000	0.0000%	26558	3412	7.8	1			0.0000E+00
32	31.517	DBC	103.4317	16.6034%	689546	102169	6.7	1	0	0	1.5000E-04
33	31.858		0.0000	0.0000%	11412	1805	6.3	1			0.0000E+00
35	33.031	Methoxychlor	264.4182	42.4459%	870200	119037	7.3	1	0	0	3.0386E-04
37	40.341	Decachlorobiphenyl	21.2520	3.4115%	240010	17733	13.5	1	0	0	8.8546E-05

TOTAL AMOUNT = 622.9528

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
Heptachlor	16.62	DBC
delta-BHC	17.50	DBC
aldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
gamma-Chlordane	22.92	DBC
alpha-Chlordane	23.84	DBC
Endosulfan I	23.88	DBC
Dieldrin	25.48	DBC
4'-DDD	28.04	DBC
Endrin ketone	33.17	DBC

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 10:27:33 Version 5.1.5 **********

Sample Name: PEM Data File: F:BNOVW44

Date: 11-04-1994 09:41:14 Method: E:K608N1 11-03-1994 14:33:00 # 794

Interface: 1 Cycle#: 44 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

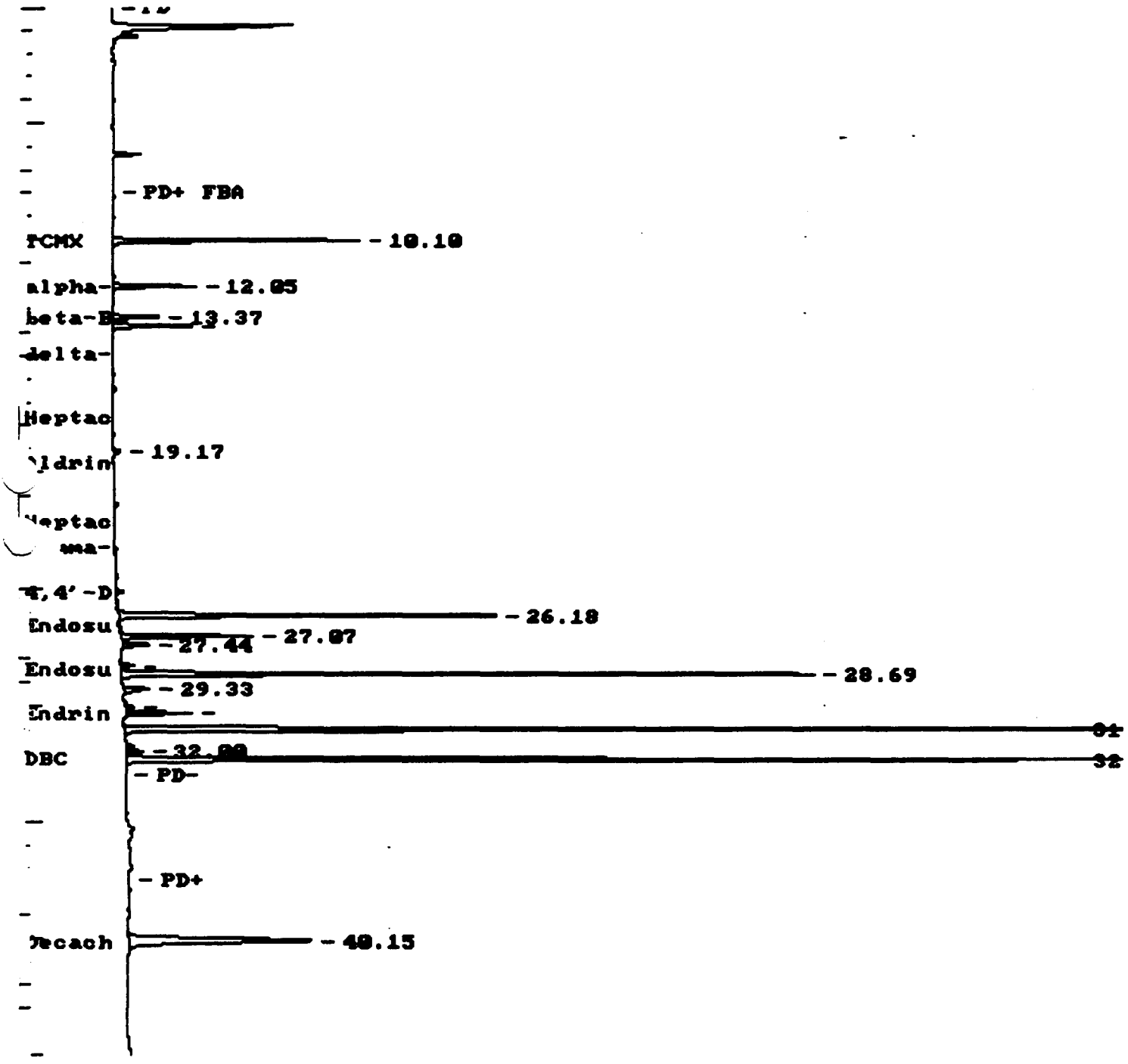
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	AREA/ HEIGHT	HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.097	TCMX	19.3268	3.1750%	141447	22971	6.2	1	0	.1378	1.3664E-04
5	12.053	alpha-BHC	9.2745	1.5236%	49869	7720	6.5	1	0	.1687	1.8598E-04
6	13.366	beta-BHC	7.0488	1.1580%	29141	4290	6.8	1	0	0	2.4189E-04
7	13.748	gamma-BHC	8.7127	1.4313%	49929	7423	6.7	1	0	.1486	1.7450E-04
10	19.169		0.0000	0.0000%	5850	677	8.6	1			0.0000E+00
	26.184	Endrin	47.9605	7.8791%	249524	35230	7.1	1	0	0	1.9221E-04
	27.068	4,4'-DDD	14.4613	2.3757%	83822	12276	6.8	1	0	0	1.7252E-04
19	27.443	Endrin aldehyde	3.3335	0.5476%	17042	2428	7.0	1	0	0	1.9560E-04
21	28.334	Endosulfan sulfate	1.2803	0.2103%	8184	1220	6.7	1	0	-.4486	1.5644E-04
22	28.689	4,4'-DDT	112.7886	18.5292%	409259	64701	6.3	1	0	0	2.7559E-04
23	29.333		0.0000	0.0000%	22496	2478	9.1	1			0.0000E+00
26	30.110		0.0000	0.0000%	5375	861	6.2	1			0.0000E+00
27	30.358	Endrin ketone	6.2003	1.0186%	39126	6117	6.4	1	0	0	1.5847E-04
28	31.028	Methoxychlor	262.4432	43.1148%	726116	113437	6.4	1	0	0	3.6143E-04
31	31.999		0.0000	0.0000%	10847	1550	7.0	1			0.0000E+00
32	32.327	DBC	95.2471	15.6474%	682622	99169	6.9	1	0	0	1.3953E-04
33	40.146	Decachlorobiphenyl	20.6309	3.3893%	237740	16980	14.0	1	0	0	8.6779E-05

TOTAL AMOUNT = 608.7084

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
delta-BHC	14.94	Decachlorobiphenyl
eptachlor	17.70	Decachlorobiphenyl
ldrin	19.65	Decachlorobiphenyl
Heptachlor epoxide	22.16	Decachlorobiphenyl
gamma-Chlordane	23.23	Decachlorobiphenyl
ndosulfan I	23.85	Decachlorobiphenyl
lpha-Chlordane	24.03	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
ldrin	25.16	Decachlorobiphenyl
ndosulfan II	26.58	Decachlorobiphenyl

eas, times, and heights stored in: F:BNOVW44.ATB
a File = F:BNOVW44.PTS Printed on 11-04-1994 at 10:27:41
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



1254 @ 1 Processed: 11-04-1994 11:20:08, segment 3, cycle 45
N DATA SAVED IN FILE F:ANOVW45.PTS Second Channel Stored in F:BNOVW45.PTS

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 11:20:18 Version 5.1.5 **********
* Sample Name: AR1254 @ 1000 ug/L Data File: F:ANOVW45 *
* Date: 11-04-1994 10:34:20 Method: E:J1254N1 11-03-1994 11:47:53 # 165*
* Interface: 1 Cycle#: 45 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 40 *
****
* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *
****

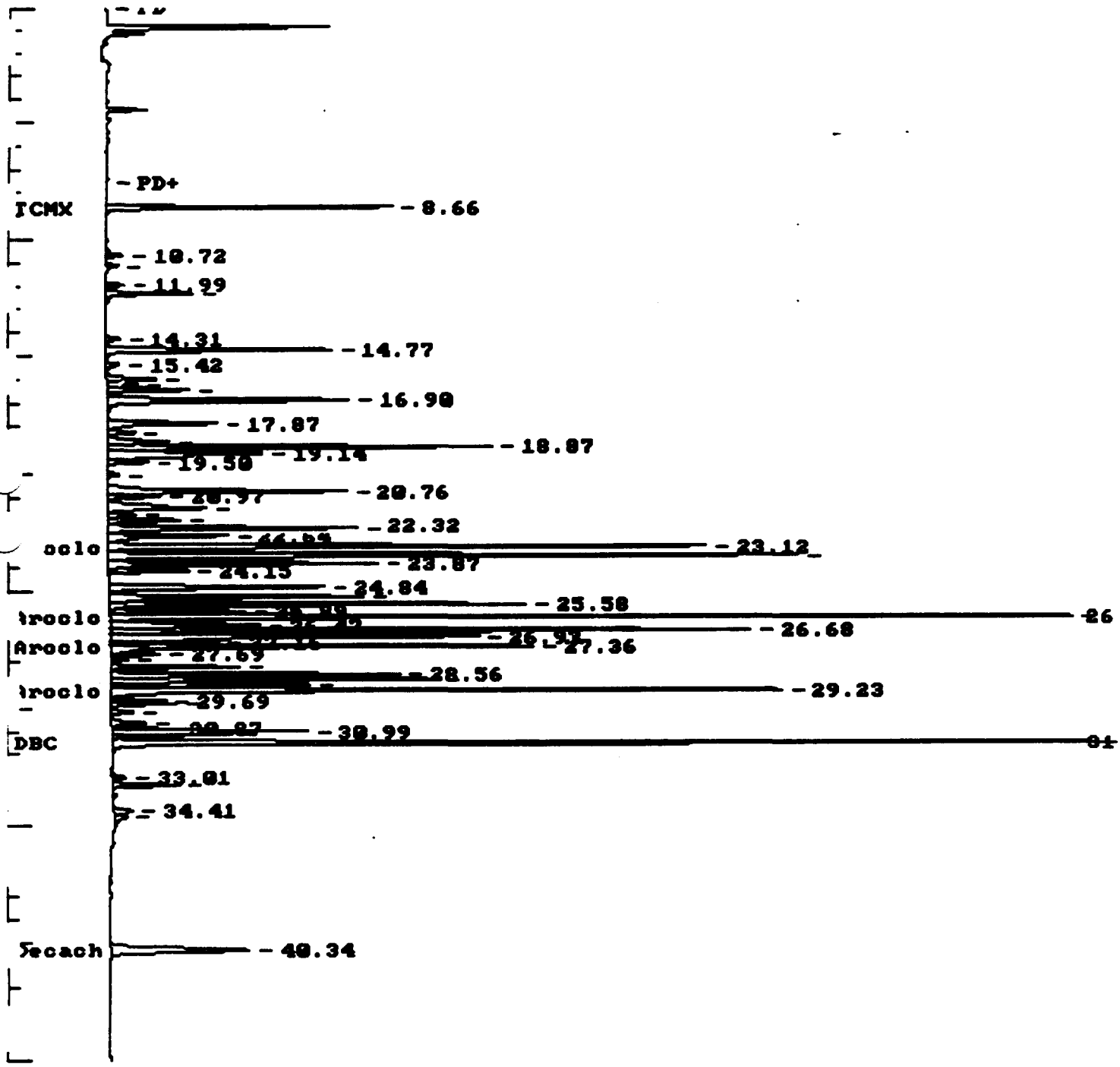
Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	20.9800	0.3915%	163594	26535	6.2	1	67	0	1.2824E-04
4	10.720		0.0000	0.0000%	12058	1577	7.6	2			0.0000E+00
5	11.156		0.0000	0.0000%	10006	1114	9.0	1			0.0000E+00
6	11.993		0.0000	0.0000%	11956	1678	7.1	2			0.0000E+00
	12.355		0.0000	0.0000%	60787	8078	7.5	3			0.0000E+00
	14.311		0.0000	0.0000%	11100	1356	8.2	1			0.0000E+00
10	14.774		0.0000	0.0000%	173683	20908	8.3	2			0.0000E+00
11	15.417		0.0000	0.0000%	11425	1178	9.7	2			0.0000E+00
12	16.006		0.0000	0.0000%	36649	4585	8.0	2			0.0000E+00
13	16.241		0.0000	0.0000%	21901	2820	7.8	2			0.0000E+00
14	16.462		0.0000	0.0000%	62240	7600	8.2	2			0.0000E+00
15	16.904		0.0000	0.0000%	220388	22401	9.8	1			0.0000E+00
16	17.869		0.0000	0.0000%	90314	10131	8.9	2			0.0000E+00
17	18.271		0.0000	0.0000%	21353	2544	8.4	2			0.0000E+00
18	18.646		0.0000	0.0000%	49941	5772	8.7	2			0.0000E+00
19	18.874		0.0000	0.0000%	297771	35727	8.3	2			0.0000E+00
20	19.135		0.0000	0.0000%	177216	14395	12.3	2			0.0000E+00
21	19.504		0.0000	0.0000%	31475	3810	8.3	2			0.0000E+00
22	20.060		0.0000	0.0000%	10505	1180	8.9	2			0.0000E+00
23	20.757		0.0000	0.0000%	202028	22221	9.1	2			0.0000E+00
24	20.971		0.0000	0.0000%	39656	4878	8.1	2			0.0000E+00
25	21.467		0.0000	0.0000%	107400	9135	11.8	2			0.0000E+00
26	21.748		0.0000	0.0000%	21675	2629	8.2	2			0.0000E+00
27	21.976		0.0000	0.0000%	57956	6812	8.5	2			0.0000E+00
28	22.318		0.0000	0.0000%	191709	23221	8.3	2			0.0000E+00
29	22.639		0.0000	0.0000%	112335	11190	10.0	2			0.0000E+00
30	23.122	Aroclor-1254	1041.7321	19.4395%	456050	55716	8.2	2	67	0	2.2843E-03
31	23.504	Aroclor-1254	1044.3258	19.4879%	543373	64241	8.5	2	67	0	1.9219E-03
32	23.872		0.0000	0.0000%	192322	25032	7.7	2			0.0000E+00
33	24.154		0.0000	0.0000%	57453	7467	7.7	2			0.0000E+00
35	24.844		0.0000	0.0000%	171782	19951	8.6	2			0.0000E+00
	25.266		0.0000	0.0000%	190542	23560	8.1	2			0.0000E+00
	25.581		0.0000	0.0000%	273137	38744	7.0	2			0.0000E+00
38	25.889		0.0000	0.0000%	85852	12496	6.9	2			0.0000E+00
39	26.103	Aroclor-1254	1039.7278	19.4021%	643901	89424	7.2	2	67	0	1.6147E-03
40	26.465		0.0000	0.0000%	140188	13837	10.1	2			0.0000E+00
41	26.679		0.0000	0.0000%	430224	59636	7.2	2			0.0000E+00

	26.934		0.0000	0.0000%	301142	34252	8.8	2			0.0000E+00
	27.162		0.0000	0.0000%	65813	10005	6.6	2			0.0000E+00
.4	27.363	Aroclor-1254	1030.9647	19.2385%	295799	39281	7.5	3	67	0	3.4854E-03
.5	27.691		0.0000	0.0000%	32451	4307	7.5	4			0.0000E+00
46	27.926		0.0000	0.0000%	11201	1656	6.8	2			0.0000E+00
.7	28.234		0.0000	0.0000%	78792	11929	6.6	2			0.0000E+00
.8	28.555		0.0000	0.0000%	175926	26780	6.6	2			0.0000E+00
49	28.770		0.0000	0.0000%	226099	30188	7.5	2			0.0000E+00
50	28.998		0.0000	0.0000%	145925	18456	7.9	2			0.0000E+00
1	29.232	Aroclor-1254	1050.6355	19.6056%	485819	62355	7.8	2	67	0	2.1626E-03
2	29.688		0.0000	0.0000%	35491	5045	7.0	2			0.0000E+00
53	29.795		0.0000	0.0000%	43543	6002	7.3	2			0.0000E+00
4	30.177		0.0000	0.0000%	16108	2034	7.9	2			0.0000E+00
5	30.646		0.0000	0.0000%	24405	3164	7.7	2			0.0000E+00
56	30.867		0.0000	0.0000%	22185	4260	5.2	2			0.0000E+00
57	30.994		0.0000	0.0000%	119990	18081	6.6	2			0.0000E+00
8	31.122		0.0000	0.0000%	81362	11038	7.4	2			0.0000E+00
9	31.517	DBC	115.1213	2.1482%	767477	105437	7.3	2	67	0	1.5000E-04
60	33.011		0.0000	0.0000%	12760	1371	9.3	2			0.0000E+00
61	33.319		0.0000	0.0000%	45285	6158	7.4	2			0.0000E+00
3	34.411		0.0000	0.0000%	17557	1743	10.1	2			0.0000E+00
.6	34.652		0.0000	0.0000%	19449	1208	16.1	2			0.0000E+00
67	40.341	Decachlorobiphenyl	15.3670	0.2868%	173548	12901	13.5	1	67	0	8.8546E-05

TOTAL AMOUNT = 5358.8545

:eas, times, and heights stored in: F:ANOVW45.ATB
:ta File = F:ANOVW45.PTS Printed on 11-04-1994 at 11:20:27
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 11:20:42 Version 5.1.5 **********

Sample Name: AR1254 @ 1000 ug/L Data File: F:BNOVW45

Date: 11-04-1994 10:34:20 Method: E:K1254N1 11-03-1994 11:48:59 # 167

Interface: 1 Cycle#: 45 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

tarting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

mount injected: 0.50 Dilution factor: 1000.00

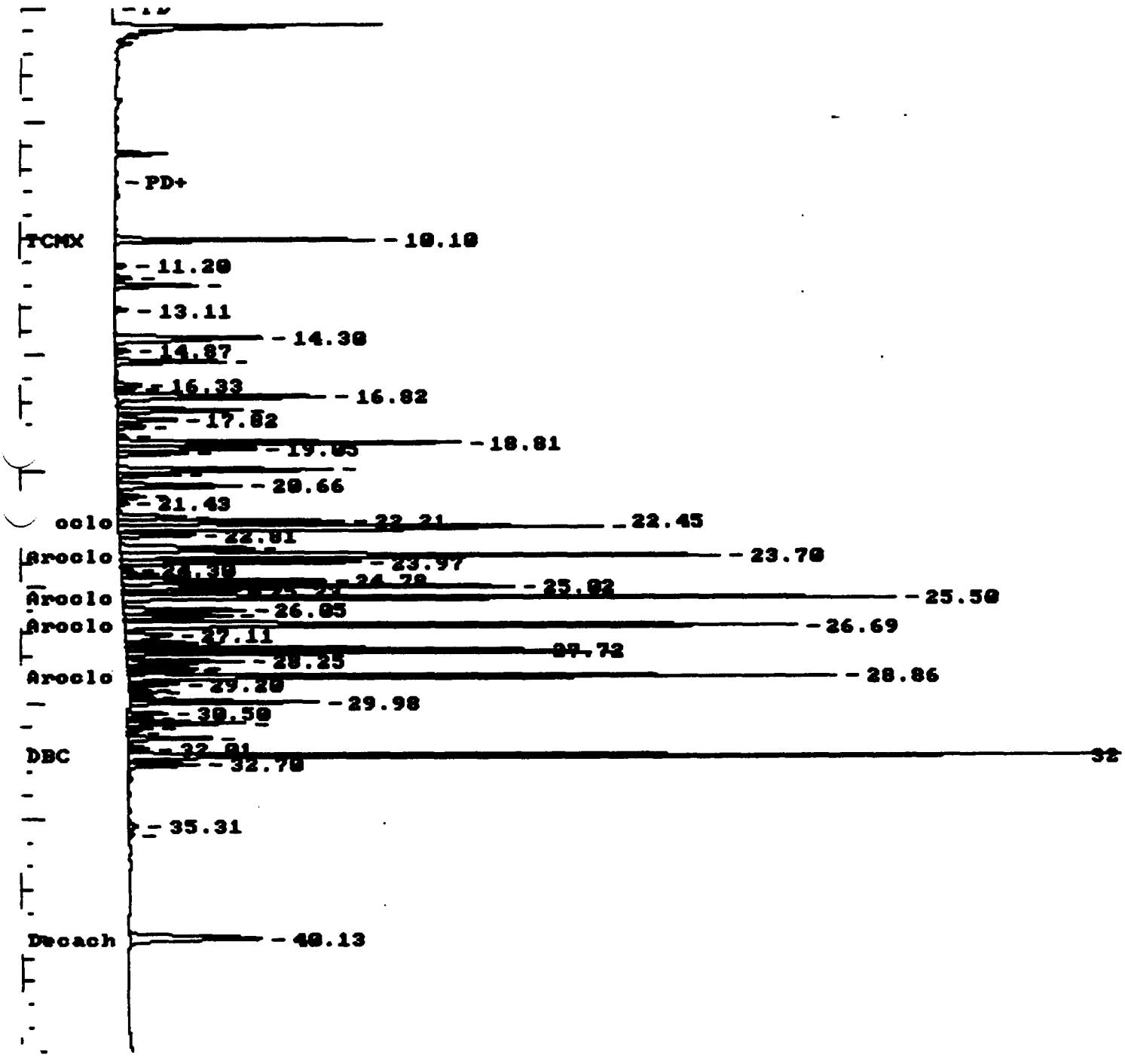
ample Weight: 1.00000

PEAK UM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	10.097	TCMX	21.4449	0.4070%	156949	24268	6.5	1	80	.1378	1.3664E-04
7	11.202		0.0000	0.0000%	7940	1126	7.0	1			0.0000E+00
8	11.738		0.0000	0.0000%	12298	1596	7.7	2			0.0000E+00
9	12.047		0.0000	0.0000%	55935	7773	7.2	2			0.0000E+00
10	13.105		0.0000	0.0000%	8897	1224	7.3	1			0.0000E+00
	14.298		0.0000	0.0000%	156685	13770	11.4	2			0.0000E+00
	14.874		0.0000	0.0000%	10364	1324	7.8	2			0.0000E+00
13	15.330		0.0000	0.0000%	76339	10259	7.4	1			0.0000E+00
15	16.328		0.0000	0.0000%	17612	2305	7.6	2			0.0000E+00
17	16.462		0.0000	0.0000%	14401	1900	7.6	2			0.0000E+00
18	16.824		0.0000	0.0000%	208455	19556	10.7	2			0.0000E+00
19	17.400		0.0000	0.0000%	99442	11694	8.5	2			0.0000E+00
20	17.815		0.0000	0.0000%	49144	5545	8.9	2			0.0000E+00
21	18.110		0.0000	0.0000%	20496	2574	8.0	2			0.0000E+00
22	18.552		0.0000	0.0000%	7246	969	7.5	2			0.0000E+00
23	18.807		0.0000	0.0000%	263607	32145	8.2	2			0.0000E+00
24	19.055		0.0000	0.0000%	114384	12954	8.8	2			0.0000E+00
25	19.236		0.0000	0.0000%	58471	6571	8.9	2			0.0000E+00
26	19.966		0.0000	0.0000%	166710	20091	8.3	2			0.0000E+00
27	20.160		0.0000	0.0000%	47540	5811	8.2	2			0.0000E+00
28	20.663		0.0000	0.0000%	108745	11566	9.4	2			0.0000E+00
30	21.125		0.0000	0.0000%	21393	2541	8.4	2			0.0000E+00
31	21.427		0.0000	0.0000%	8061	958	8.4	2			0.0000E+00
33	22.003		0.0000	0.0000%	50507	6377	7.9	2			0.0000E+00
34	22.211		0.0000	0.0000%	178237	21113	8.4	2			0.0000E+00
35	22.452	Aroclor-1254	1040.3480	19.7458%	402966	45450	8.9	2	80	0	2.5817E-03
36	22.807		0.0000	0.0000%	58798	7069	8.3	2			0.0000E+00
37	23.390		0.0000	0.0000%	125486	12519	10.0	2			0.0000E+00
38	23.698	Aroclor-1254	1034.0883	19.6270%	560017	56415	9.9	2	80	0	1.8465E-03
39	23.973		0.0000	0.0000%	173744	22462	7.7	2			0.0000E+00
	24.301		0.0000	0.0000%	8511	1073	7.9	2			0.0000E+00
	24.522		0.0000	0.0000%	26167	3518	7.4	2			0.0000E+00
	24.777		0.0000	0.0000%	143486	19058	7.5	2			0.0000E+00
	25.025		0.0000	0.0000%	272653	36693	7.4	2			0.0000E+00
	25.232		0.0000	0.0000%	81556	10856	7.5	2			0.0000E+00
	25.500	Aroclor-1254	1019.3511	19.3473%	563391	72578	7.8	2	80	0	1.8093E-03
46	26.050		0.0000	0.0000%	103619	11333	9.1	2			0.0000E+00
	26.298		0.0000	0.0000%	78068	10005	7.8	2			0.0000E+00

	26.485		0.0000	0.0000%	23708	5055	4.7	2			0.0000E+00
	26.693	Aroclor-1254	1029.9352	19.5482%	611432	63114	9.7	2	80	0	1.6845E-03
50	27.108		0.0000	0.0000%	58103	4249	13.7	2			0.0000E+00
51	27.450		0.0000	0.0000%	46083	6626	7.0	2			0.0000E+00
52	27.718		0.0000	0.0000%	244012	37142	6.6	2			0.0000E+00
53	27.832		0.0000	0.0000%	328131	43533	7.5	2			0.0000E+00
54	28.247		0.0000	0.0000%	77165	10771	7.2	2			0.0000E+00
55	28.549		0.0000	0.0000%	41344	6533	6.3	2			0.0000E+00
56	28.629		0.0000	0.0000%	34133	6146	5.6	2			0.0000E+00
57	28.864	Aroclor-1254	1013.9965	19.2456%	518860	66461	7.8	2	80	0	1.9543E-03
58	29.199		0.0000	0.0000%	31197	4682	6.7	2			0.0000E+00
59	29.447		0.0000	0.0000%	9850	1658	5.9	2			0.0000E+00
60	29.567		0.0000	0.0000%	16585	2524	6.6	2			0.0000E+00
61	29.775		0.0000	0.0000%	13512	2215	6.1	2			0.0000E+00
62	29.976		0.0000	0.0000%	120023	17497	6.9	2			0.0000E+00
63	30.498		0.0000	0.0000%	25185	3711	6.8	2			0.0000E+00
64	30.706		0.0000	0.0000%	15081	2317	6.5	2			0.0000E+00
65	30.914		0.0000	0.0000%	77701	11005	7.1	2			0.0000E+00
66	31.128		0.0000	0.0000%	16194	2384	6.8	2			0.0000E+00
67	31.316		0.0000	0.0000%	6201	926	6.7	2			0.0000E+00
68	31.564		0.0000	0.0000%	56050	7883	7.1	3			0.0000E+00
70	32.006		0.0000	0.0000%	17033	2023	8.4	2			0.0000E+00
71	32.321	DBC	94.6882	1.7972%	678616	98685	6.9	2	80	0	1.3953E-04
72	32.696		0.0000	0.0000%	51802	6598	7.9	3			0.0000E+00
77	35.309		0.0000	0.0000%	11189	872	12.8	2			0.0000E+00
8	35.678		0.0000	0.0000%	5746	396	14.5	2			0.0000E+00
80	40.133	Decachlorobiphenyl	14.8554	0.2820%	171186	12366	13.8	1	80	0	8.6779E-05

TOTAL AMOUNT = 5268.7075

eas, times, and heights stored in: F:BNOVW45.ATB
ata File = F:BNOVW45.PTS Printed on 11-04-1994 at 11:20:51
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 12:50:22 Version 5.1.5 **********

Sample Name: AR1060 @ 1000 ug/L Data File: F:ANOVW46

Date: 11-04-1994 11:27:28 Method: E:J1060N1 11-03-1994 12:17:27 # 163

Interface: 1 Cycle#: 46 Operator MAC Channel#: 0 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

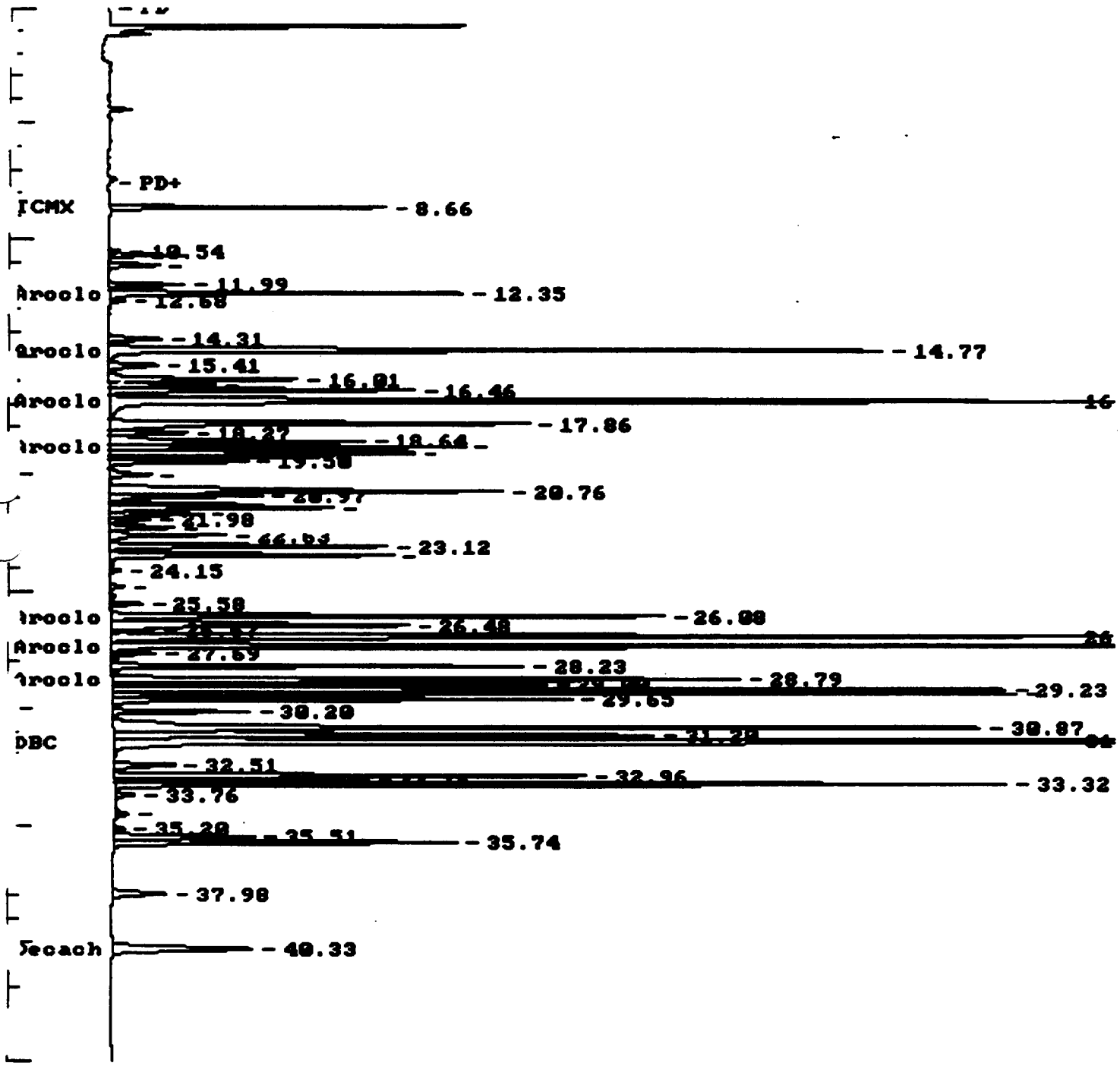
Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	20.2631	0.1877%	158004	25714	6.1	1	58	.2949	1.2824E-04
4	10.539		0.0000	0.0000%	6962	1070	6.5	2			0.0000E+00
5	10.720		0.0000	0.0000%	41270	5297	7.8	2			0.0000E+00
6	11.149		0.0000	0.0000%	38576	4744	8.1	1			0.0000E+00
7	11.993		0.0000	0.0000%	51550	7066	7.3	2			0.0000E+00
8	12.348	Aroclor-1016	1049.4064	9.7207%	249885	33019	7.6	3	70	0	4.1996E-03
	12.683		0.0000	0.0000%	10727	1379	7.8	4			0.0000E+00
	14.311		0.0000	0.0000%	42950	4956	8.7	2			0.0000E+00
11	14.774	Aroclor-1016	1041.6851	9.6492%	618864	72186	8.6	2	70	0	1.6832E-03
.2	15.410		0.0000	0.0000%	49253	4572	10.8	2			0.0000E+00
.3	16.006		0.0000	0.0000%	141886	17492	8.1	2			0.0000E+00
14	16.241		0.0000	0.0000%	75278	9921	7.6	2			0.0000E+00
15	16.462		0.0000	0.0000%	237726	28478	8.3	2			0.0000E+00
.6	16.904	Aroclor-1016	1055.7825	9.7798%	932725	94711	9.8	2	58	.2133	1.1319E-03
.7	17.862	Aroclor-1016	1051.7151	9.7421%	354006	39199	9.0	2	58	.2475	2.9709E-03
18	18.271		0.0000	0.0000%	64123	7269	8.8	2			0.0000E+00
19	18.639		0.0000	0.0000%	205672	23788	8.6	2			0.0000E+00
20	18.874	Aroclor-1016	1025.4857	9.4992%	277343	33064	8.4	2	52	0	3.6975E-03
21	19.135		0.0000	0.0000%	254096	28418	8.9	2			0.0000E+00
22	19.276		0.0000	0.0000%	158176	20182	7.8	2			0.0000E+00
.3	19.497		0.0000	0.0000%	109238	12914	8.5	2			0.0000E+00
24	20.060		0.0000	0.0000%	39765	3968	10.0	2			0.0000E+00
25	20.757		0.0000	0.0000%	373818	36712	10.2	2			0.0000E+00
26	20.971		0.0000	0.0000%	117281	14267	8.2	2			0.0000E+00
27	21.346		0.0000	0.0000%	82893	12403	6.7	2			0.0000E+00
28	21.467		0.0000	0.0000%	184183	20924	8.8	2			0.0000E+00
29	21.741		0.0000	0.0000%	72468	8622	8.4	2			0.0000E+00
0	21.976		0.0000	0.0000%	33973	3896	8.7	2			0.0000E+00
1	22.318		0.0000	0.0000%	52350	6154	8.5	2			0.0000E+00
32	22.626		0.0000	0.0000%	103256	10937	9.4	2			0.0000E+00
	23.115		0.0000	0.0000%	213405	25900	8.2	2			0.0000E+00
4	23.504		0.0000	0.0000%	214546	26447	8.1	3			0.0000E+00
6	24.154		0.0000	0.0000%	8269	1023	8.1	2			0.0000E+00
	24.844		0.0000	0.0000%	10030	1289	7.8	1			0.0000E+00
	25.581		0.0000	0.0000%	21398	3019	7.1	2			0.0000E+00
1	26.083	Aroclor-1260	1042.4384	9.6562%	377913	51586	7.3	2	70	0	2.7584E-03
42	26.478		0.0000	0.0000%	281127	27663	10.2	2			0.0000E+00
43	26.666		0.0000	0.0000%	26326	3992	6.6	2			0.0000E+00
4	26.934	Aroclor-1260	1039.4690	9.6287%	779291	93199	8.4	2	52	0	1.3339E-03

	27.363	Aroclor-1260	1043.2675	9.6639%	805667	111484	7.2	2	52	0	1.2949E-03
	27.691		0.0000	0.0000%	29989	4135	7.3	2			0.0000E+00
48	28.234		0.0000	0.0000%	254075	38291	6.6	2			0.0000E+00
50	28.790	Aroclor-1260	1036.9952	9.6058%	501558	58419	8.6	2	70	0	2.0675E-03
51	29.004		0.0000	0.0000%	281905	40396	7.0	2			0.0000E+00
52	29.232	Aroclor-1260	1059.2632	9.8120%	632484	82991	7.6	2	70	0	1.6748E-03
53	29.393		0.0000	0.0000%	578816	84044	6.9	2			0.0000E+00
54	29.654		0.0000	0.0000%	302740	42687	7.1	2			0.0000E+00
55	30.197		0.0000	0.0000%	87982	12656	7.0	2			0.0000E+00
56	30.867		0.0000	0.0000%	621279	80497	7.7	2			0.0000E+00
57	31.195		0.0000	0.0000%	445199	50235	8.9	2			0.0000E+00
58	31.443	DBC	314.1483	2.9100%	2094326	218155	9.6	3	70	-.1949	1.5000E-04
60	32.508		0.0000	0.0000%	53116	5576	9.5	1			0.0000E+00
61	32.964		0.0000	0.0000%	358040	43726	8.2	2			0.0000E+00
62	33.158		0.0000	0.0000%	153857	23459	6.6	2			0.0000E+00
63	33.319		0.0000	0.0000%	617058	82743	7.5	2			0.0000E+00
64	33.761		0.0000	0.0000%	14380	1765	8.1	2			0.0000E+00
65	34.565		0.0000	0.0000%	14975	1268	11.8	1			0.0000E+00
66	35.195		0.0000	0.0000%	8129	952	8.5	2			0.0000E+00
67	35.510		0.0000	0.0000%	114982	13004	8.8	2			0.0000E+00
68	35.745		0.0000	0.0000%	293496	31739	9.2	2			0.0000E+00
69	37.982		0.0000	0.0000%	56564	5005	11.3	1			0.0000E+00
70	40.334	Decachlorobiphenyl	15.6243	0.1447%	176453	13035	13.5	1	70	0	8.8546E-05

TOTAL AMOUNT = 10795.5439

eas, times, and heights stored in: F:ANOVW46.ATB
ta File = F:ANOVW46.PTS Printed on 11-04-1994 at 12:50:31
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 12:50:47 Version 5.1.5 **********

Sample Name: AR1060 @ 1000 ug/L Data File: F:BNOVW46

Date: 11-04-1994 11:27:28 Method: E:K1060N1 11-03-1994 12:17:49 # 164

Interface: 1 Cycle#: 46 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 40

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ug/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
6	10.083	TCMX	24.2062	0.2332%	177158	23467	7.5	1	68	0	1.3664E-04
7	11.196		0.0000	0.0000%	34372	4886	7.0	1			0.0000E+00
8	11.732		0.0000	0.0000%	47001	6606	7.1	2			0.0000E+00
9	12.033	Aroclor-1016	1036.5801	9.9855%	229918	31493	7.3	2	79	0	4.5085E-03
10	13.092		0.0000	0.0000%	30491	4152	7.3	1			0.0000E+00
	14.291	Aroclor-1016	1025.9260	9.8829%	548629	46013	11.9	2	79	.1084	1.8700E-03
	14.861		0.0000	0.0000%	39327	4937	8.0	2			0.0000E+00
13	15.316	Aroclor-1016	1022.5785	9.8506%	282835	37177	7.6	2	68	.0467	3.6155E-03
15	16.060		0.0000	0.0000%	6589	894	7.4	2			0.0000E+00
16	16.315		0.0000	0.0000%	68456	8664	7.9	2			0.0000E+00
17	16.448		0.0000	0.0000%	36973	5322	6.9	2			0.0000E+00
18	16.824	Aroclor-1016	1041.2948	10.0309%	833331	80098	10.4	2	68	.0811	1.2496E-03
19	17.387	Aroclor-1016	1026.8098	9.8914%	358456	42708	8.4	2	56	0	2.8645E-03
20	17.809		0.0000	0.0000%	190234	22257	8.5	2			0.0000E+00
21	18.103		0.0000	0.0000%	70574	8443	8.4	2			0.0000E+00
22	18.546		0.0000	0.0000%	27371	3361	8.1	2			0.0000E+00
23	18.793		0.0000	0.0000%	239648	29469	8.1	2			0.0000E+00
24	19.041		0.0000	0.0000%	212505	25256	8.4	2			0.0000E+00
25	19.236		0.0000	0.0000%	175703	18484	9.5	2			0.0000E+00
27	19.959		0.0000	0.0000%	267215	31794	8.4	2			0.0000E+00
28	20.147		0.0000	0.0000%	162536	18943	8.6	2			0.0000E+00
29	20.649		0.0000	0.0000%	291681	30371	9.6	2			0.0000E+00
30	21.112		0.0000	0.0000%	57965	6889	8.4	2			0.0000E+00
31	21.427		0.0000	0.0000%	12143	1321	9.2	2			0.0000E+00
33	21.996		0.0000	0.0000%	28131	3409	8.3	2			0.0000E+00
34	22.204		0.0000	0.0000%	45045	5385	8.4	2			0.0000E+00
35	22.445		0.0000	0.0000%	198904	22694	8.8	2			0.0000E+00
36	22.800		0.0000	0.0000%	8247	956	8.6	2			0.0000E+00
37	23.390		0.0000	0.0000%	24508	2578	9.5	2			0.0000E+00
39	23.691		0.0000	0.0000%	188426	23127	8.1	2			0.0000E+00
	25.018		0.0000	0.0000%	18452	2604	7.1	2			0.0000E+00
4	25.360		0.0000	0.0000%	108872	14135	7.7	2			0.0000E+00
	25.487		0.0000	0.0000%	62071	9872	6.3	2			0.0000E+00
	26.083	Aroclor-1260	1014.3668	9.7715%	271279	37133	7.3	2	79	0	3.7392E-03
7	26.284		0.0000	0.0000%	145912	19558	7.5	2			0.0000E+00
48	26.619	Aroclor-1260	1017.4977	9.8017%	625168	82724	7.6	2	56	0	1.6276E-03
49	27.095		0.0000	0.0000%	33820	3747	9.0	2			0.0000E+00
0	27.443		0.0000	0.0000%	88545	12661	7.0	2			0.0000E+00

	27.705	Aroclor-1260	1020.4509	9.8302%	903223	101516	8.9	2	56	0	1.1298E-03
	28.254		0.0000	0.0000%	417270	40439	10.3	2			0.0000E+00
53	28.622		0.0000	0.0000%	83451	11271	7.4	2			0.0000E+00
54	28.857	Aroclor-1260	1034.8881	9.9692%	741916	98403	7.5	2	79	0	1.3949E-03
55	29.225		0.0000	0.0000%	99036	14044	7.1	2			0.0000E+00
56	29.567	Aroclor-1260	1009.3294	9.7230%	555162	74646	7.4	2	79	0	1.8181E-03
57	29.768		0.0000	0.0000%	258918	37784	6.9	3			0.0000E+00
58	29.976		0.0000	0.0000%	38160	5517	6.9	4			0.0000E+00
59	30.190		0.0000	0.0000%	71092	10565	6.7	2			0.0000E+00
60	30.485		0.0000	0.0000%	496698	73802	6.7	2			0.0000E+00
61	30.699		0.0000	0.0000%	265794	39393	6.7	2			0.0000E+00
62	30.874		0.0000	0.0000%	186306	25686	7.3	2			0.0000E+00
63	31.142		0.0000	0.0000%	44837	6173	7.3	2			0.0000E+00
64	31.309		0.0000	0.0000%	80210	11833	6.8	2			0.0000E+00
65	31.557		0.0000	0.0000%	1155754	162482	7.1	3			0.0000E+00
66	31.812		0.0000	0.0000%	17102	2653	6.4	4			0.0000E+00
67	32.026		0.0000	0.0000%	50546	6725	7.5	2			0.0000E+00
68	32.314	DBC	91.9115	0.8854%	658716	95373	6.9	2	79	0	1.3953E-04
69	32.696		0.0000	0.0000%	528424	70250	7.5	2			0.0000E+00
70	33.058		0.0000	0.0000%	259073	32985	7.9	2			0.0000E+00
71	33.286		0.0000	0.0000%	292338	37253	7.8	2			0.0000E+00
72	33.922		0.0000	0.0000%	11781	1516	7.8	1			0.0000E+00
73	34.659		0.0000	0.0000%	119545	13611	8.8	2			0.0000E+00
74	35.014		0.0000	0.0000%	8441	907	9.3	2			0.0000E+00
5	35.302		0.0000	0.0000%	7690	714	10.8	2			0.0000E+00
76	35.691		0.0000	0.0000%	270271	28746	9.4	2			0.0000E+00
77	35.999		0.0000	0.0000%	14290	1533	9.3	2			0.0000E+00
	37.949		0.0000	0.0000%	53944	4730	11.4	1			0.0000E+00
	40.126	Decachlorobiphenyl	14.9874	0.1444%	172707	12535	13.8	1	79	0	8.5779E-05

TOTAL AMOUNT = 10380.8262

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK20

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: PBLK5626

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ANOVW20

% Moisture: 0. decanted: (Y/N) N Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 11/03/94

Injection Volume: .5 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	33.	U
11104-28-2	Aroclor-1221	67.	U
11141-16-5	Aroclor-1232	33.	U
53469-21-9	Aroclor-1242	33.	U
12672-29-6	Aroclor-1248	33.	U
11097-69-1	Aroclor-1254	33.	U
11096-82-5	Aroclor-1260	33.	U

.SB5626 Processed: 11-03-1994 12:55:01, segment 6, cycle 20
RAW DATA SAVED IN FILE F:ANOVW20.PTS Second Channel Stored in F:BNOVW20.PTS

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 12:55:10 Version 5.1.5 **********
* Sample Name: PPSB5626 Data File: F:ANOVW20 *
* Date: 11-03-1994 12:09:12 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 20 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *
****

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 10.00
Sample Weight: 0.03000

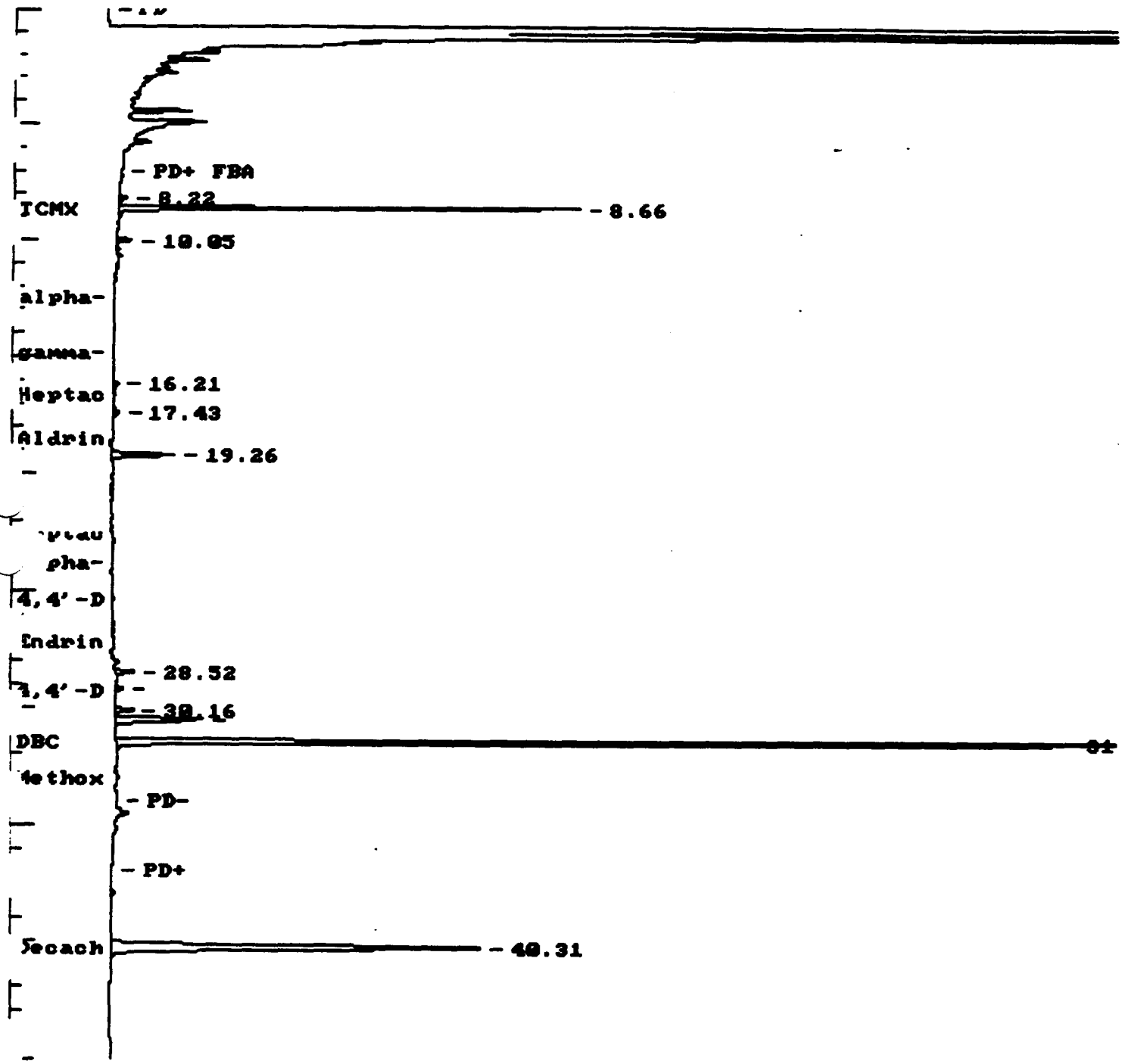
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	8.221		0.0000	0.0000%	5750	688	8.4	1			0.0000E+00
4	8.656	TCMX	11.2059	11.6409%	262138	43018	6.1	1	0	0	4.2748E-05
5	10.050		0.0000	0.0000%	10055	1353	7.4	1			0.0000E+00
	16.214		0.0000	0.0000%	5448	470	11.6	1			0.0000E+00
	17.433	delta-BHC	0.4223	0.4387%	6325	514	12.3	1	0	-.3805	6.6764E-05
13	19.256		0.0000	0.0000%	52869	5849	9.0	1			0.0000E+00
22	28.522		0.0000	0.0000%	13803	1704	8.1	1			0.0000E+00
23	29.232	4,4'-DDT	0.4562	0.4740%	5335	681	7.8	1	0	-.2521	8.5525E-05
24	30.163	Endosulfan sulfate	0.7429	0.7717%	13719	1689	8.1	1	0	.3106	5.4146E-05
25	30.532		0.0000	0.0000%	95200	8058	11.8	1			0.0000E+00
26	31.510	DBC	69.7287	72.4356%	1394576	207609	6.7	1	0	0	5.0000E-05
30	40.314	Decachlorobiphenyl	13.7070	14.2392%	464402	34199	13.6	1	0	0	2.9515E-05

TOTAL AMOUNT = 96.2630

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.54	DBC
amma-BHC	14.81	DBC
eta-BHC	15.38	DBC
Heptachlor	16.62	DBC
ldrin	18.48	DBC
leptachlor epoxide	22.59	DBC
gamma-Chlordane	22.92	DBC
alpha-Chlordane	23.84	DBC
ndosulfan I	23.88	DBC
,4'-DDE	25.43	DBC
Dieldrin	25.48	DBC
drin	27.19	DBC
,4'-DDD	28.04	DBC
osulfan II	28.07	DBC
rin Aldehyde	29.55	DBC
ethoxychlor	33.02	DBC
ndrin ketone	33.17	DBC

Areas, times, and heights stored in: F:ANOVW20.ATB
Data File = F:ANOVW20.PTS Printed on 11-03-1994 at 12:55:17
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:42:08 Version 5.1.5 **********

* Sample Name: PPSB5626 Data File: F:BNOVW20 *
* Date: 11-03-1994 12:09:12 Method: E:K608N1 11-03-1994 14:33:00 # 794 *
* Interface: 1 Cycle#: 20 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

****

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 10.00
Sample Weight: 0.03000

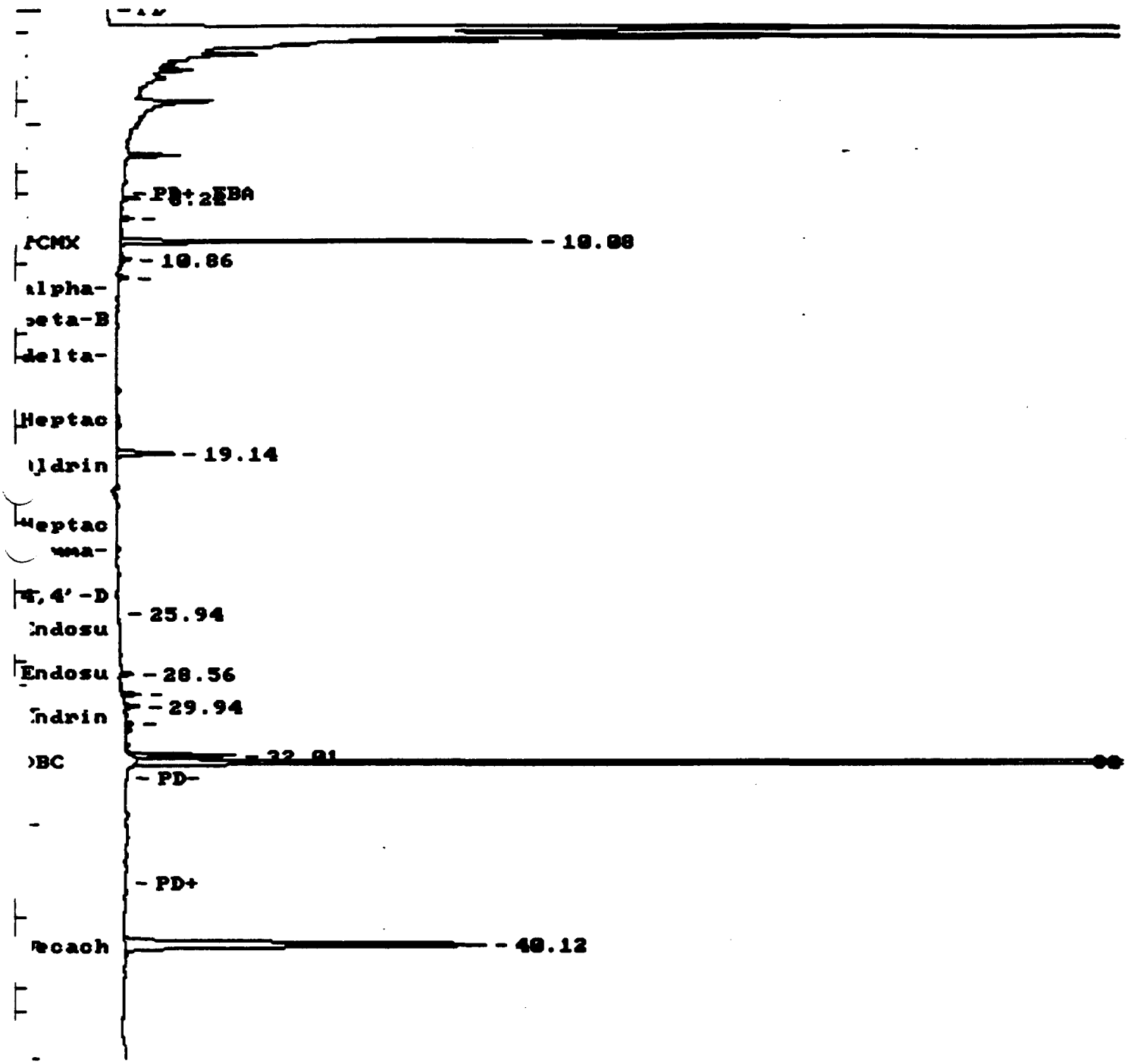
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.221		0.0000	0.0000%	11099	1648	6.7	1			0.0000E+00
3	9.105		0.0000	0.0000%	8209	1204	6.8	1			0.0000E+00
5	10.083	TCMX	10.6891	11.9102%	234692	38332	6.1	1	0	0	4.5545E-05
7	10.861		0.0000	0.0000%	7693	954	8.1	1			0.0000E+00
9	11.625		0.0000	0.0000%	6865	956	7.2	1			0.0000E+00
14	19.142		0.0000	0.0000%	45668	5222	8.7	1			0.0000E+00
	25.936	Endrin	0.3239	0.3609%	5056	57	88.2	1	0	-.8725	6.4069E-05
	28.555	Endosulfan sulfate	0.4812	0.5361%	9227	1214	7.6	1	0	.3281	5.2147E-05
28	29.420		0.0000	0.0000%	11597	1662	7.0	1			0.0000E+00
29	29.936		0.0000	0.0000%	10254	1326	7.7	1			0.0000E+00
31	30.666		0.0000	0.0000%	6652	813	8.2	1			0.0000E+00
34	32.013		0.0000	0.0000%	70087	9466	7.4	1			0.0000E+00
35	32.314	DBC	64.8901	72.3028%	1395172	204308	6.8	1	0	0	4.6510E-05
37	40.120	Decachlorobiphenyl	13.3633	14.8899%	461977	33359	13.8	1	0	0	2.8926E-05

TOTAL AMOUNT = 89.7476

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.03	Decachlorobiphenyl
eta-BHC	13.36	Decachlorobiphenyl
gamma-BHC	13.73	Decachlorobiphenyl
delta-BHC	14.94	Decachlorobiphenyl
Heptachlor	17.70	Decachlorobiphenyl
ldrin	19.65	Decachlorobiphenyl
Heptachlor epoxide	22.16	Decachlorobiphenyl
gamma-Chlordane	23.23	Decachlorobiphenyl
ndosulfan I	23.85	Decachlorobiphenyl
lpha-Chlordane	24.03	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
eldrin	25.16	Decachlorobiphenyl
dosulfan II	26.58	Decachlorobiphenyl
.4'-DDD	27.06	Decachlorobiphenyl
rin aldehyde	27.44	Decachlorobiphenyl
'-DDT	28.68	Decachlorobiphenyl
ndrin ketone	30.36	Decachlorobiphenyl
Methoxychlor	31.02	Decachlorobiphenyl

reas, times, and heights stored in: F:BNOVW20.ATB
ta File = F:BNOVW20.PTS Printed on 11-03-1994 at 14:42:13
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK18

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: PIBLK18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ANOVW18

% Moisture: 0. decanted: (Y/N) N Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume:10000.0 (uL) Date Analyzed: 11/03/94

Injection Volume: .5 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17.	U
11104-28-2	Aroclor-1221	33.	U
11141-16-5	Aroclor-1232	17.	U
53469-21-9	Aroclor-1242	17.	U
12672-29-6	Aroclor-1248	17.	U
11097-69-1	Aroclor-1254	17.	U
11096-82-5	Aroclor-1260	17.	U

ST. BLK. Processed: 11-03-1994 11:08:50, segment 4, cycle 18
AW DATA SAVED IN FILE F:ANOVW18.PTS Second Channel Stored in F:BNOVW18.PTS

******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 11:08:58 Version 5.1.5 **********
* Sample Name: INST. BLK. Data File: F:ANOVW18 *
* Date: 11-03-1994 10:23:01 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 18 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *
****
* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *
****

Starting Delay: 0.00 Ending retention time: 45.00
rea reject: 5000 One sample per 0.402 sec.
mount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

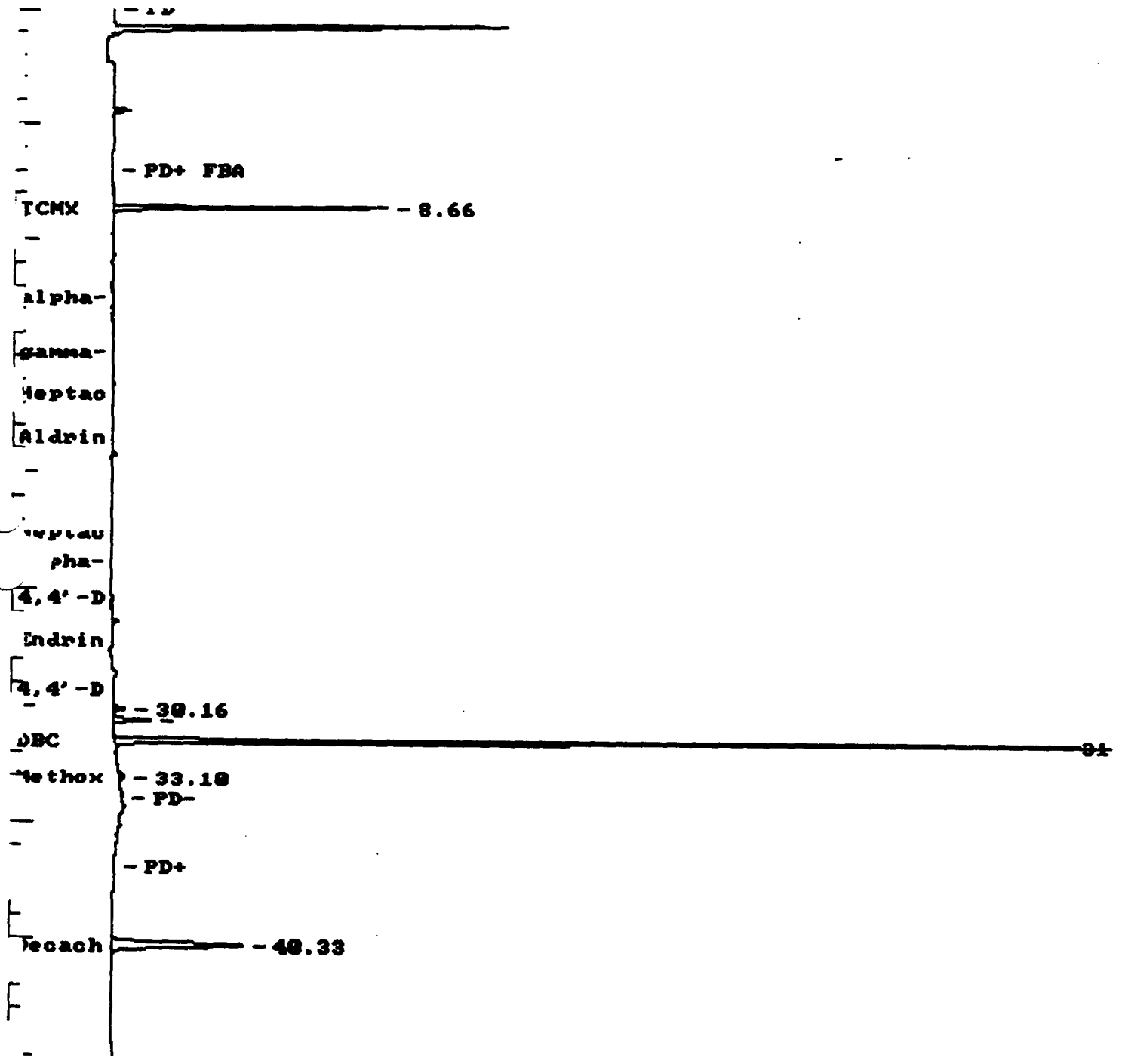
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	20.3424	14.7295%	158622	25665	6.2	1	0	0	1.2824E-04
1	30.163	Endosulfan sulfate	1.4131	1.0232%	8699	1102	7.9	1	0	.3106	1.6244E-04
12	30.639		0.0000	0.0000%	26807	3448	7.8	1			0.0000E+00
1	31.510	DBC	100.4631	72.7432%	669755	99788	6.7	1	0	0	1.5000E-04
	33.105	Endrin ketone	1.1900	0.8617%	7601	465	16.4	1	0	-.1818	1.5655E-04
1	40.327	Decachlorobiphenyl	14.6979	10.6424%	165991	12139	13.7	1	0	0	8.8546E-05

TOTAL AMOUNT = 138.1064

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
lpha-BHC	12.54	DBC
amma-BHC	14.81	DBC
eta-BHC	15.38	DBC
eptachlor	16.62	DBC
elta-BHC	17.50	DBC
Aldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
amma-Chlordane	22.92	DBC
lpha-Chlordane	23.84	DBC
Endosulfan I	23.88	DBC
',4'-DDE	25.43	DBC
ieldrin	25.48	DBC
ndrin	27.19	DBC
4,4'-DDD	28.04	DBC
ndosulfan II	28.07	DBC
,4'-DDT	29.31	DBC
ndrin Aldehyde	29.55	DBC
thoxychlor	33.02	DBC

.reas, times, and heights stored in: F:ANOVW18.ATB
:ta File = F:ANOVW18.PTS Printed on 11-03-1994 at 11:09:05
.art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
'ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-03-1994 14:41:28 Version 5.1.5 **********

Sample Name: INST. BLK. Data File: F:BNOVW18

Date: 11-03-1994 10:23:01 Method: E:K608N1 11-03-1994 14:33:00 # 794

Interface: 1 Cycle#: 18 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

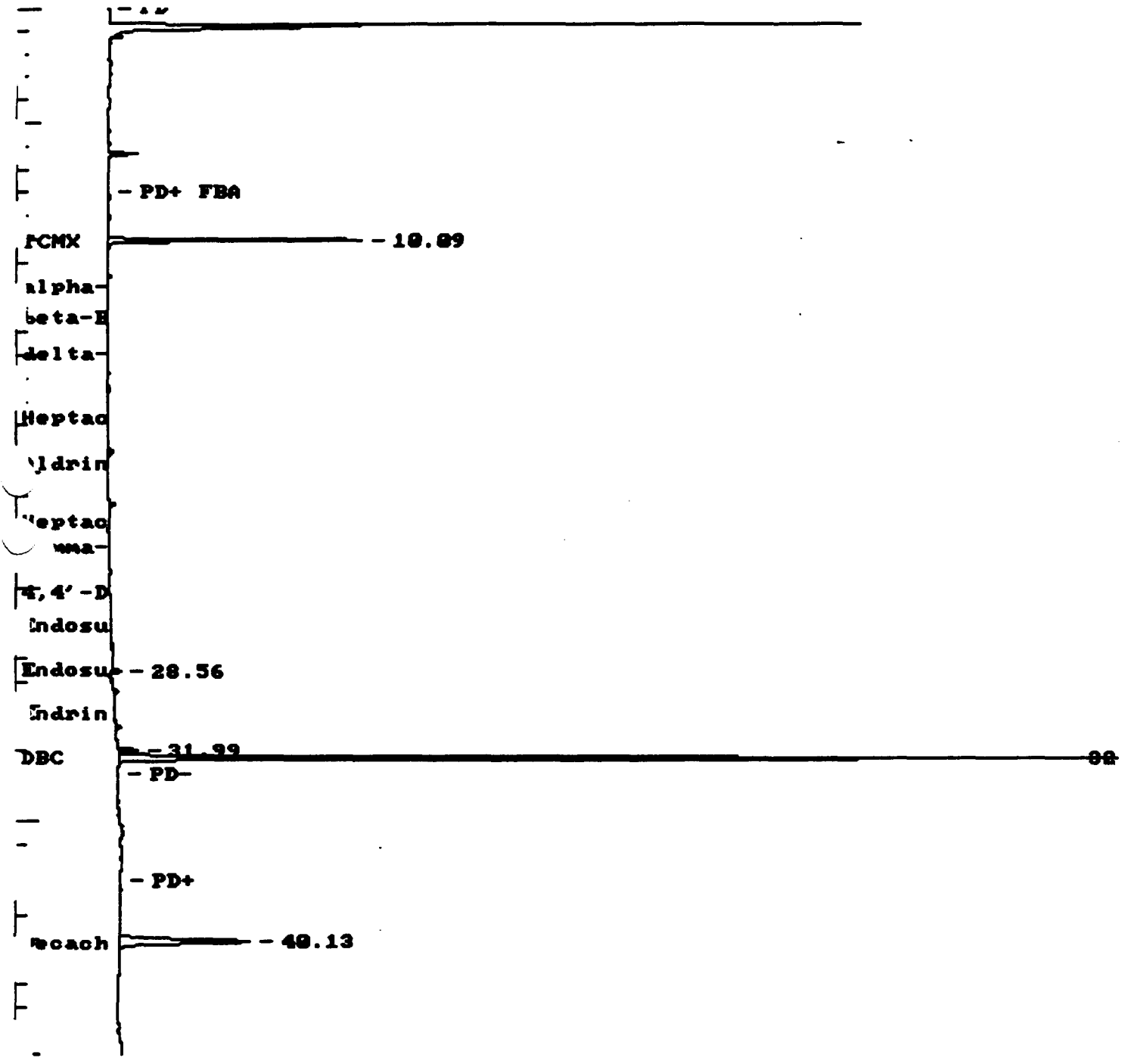
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.090	TCMX	19.7650	15.2114%	144654	23669	6.1	1	0	0	1.3664E-04
8	28.562	Endosulfan sulfate	1.2286	0.9455%	7853	929	8.5	1	0	.3517	1.5644E-04
13	31.993		0.0000	0.0000%	13235	1815	7.3	1			0.0000E+00
14	32.314	DBC	94.4204	72.6672%	676697	98879	6.8	1	0	0	1.3953E-04
15	40.126	Decachlorobiphenyl	14.5214	11.1759%	167338	12130	13.8	1	0	0	8.6779E-05

TOTAL AMOUNT = 129.9354

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.03	Decachlorobiphenyl
beta-BHC	13.36	Decachlorobiphenyl
gamma-BHC	13.73	Decachlorobiphenyl
delta-BHC	14.94	Decachlorobiphenyl
Heptachlor	17.70	Decachlorobiphenyl
Aldrin	19.65	Decachlorobiphenyl
Heptachlor epoxide	22.16	Decachlorobiphenyl
gamma-Chlordane	23.23	Decachlorobiphenyl
Endosulfan I	23.85	Decachlorobiphenyl
alpha-Chlordane	24.03	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
Dieldrin	25.16	Decachlorobiphenyl
Endrin	26.16	Decachlorobiphenyl
Endosulfan II	26.58	Decachlorobiphenyl
4,4'-DDD	27.06	Decachlorobiphenyl
Endrin aldehyde	27.44	Decachlorobiphenyl
4,4'-DDT	28.68	Decachlorobiphenyl
Endrin ketone	30.36	Decachlorobiphenyl
Methoxychlor	31.02	Decachlorobiphenyl

reas, times, and heights stored in: F:BNOVW18.ATB
ta File = F:BNOVW18.PTS Printed on 11-03-1994 at 14:41:33
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK30

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: PIBLK30

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ANOVW30

% Moisture: 0. decanted: (Y/N) N Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 11/03/94

Injection Volume: .5 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17.	U
11104-28-2	Aroclor-1221	33.	U
11141-16-5	Aroclor-1232	17.	U
53469-21-9	Aroclor-1242	17.	U
12672-29-6	Aroclor-1248	17.	U
11097-69-1	Aroclor-1254	17.	U
11096-82-5	Aroclor-1260	17.	U

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:09:00 Version 5.1.5 **********

Sample Name: INST. BLK. Data File: F:ANOVW30 *

Date: 11-03-1994 21:16:59 Method: E:J608N1 11-03-1994 09:47:31 # 901 *

* Interface: 1 Cycle#: 30 Operator MAC Channel#: 0 Vial#: N.A. *

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *

* Solvent Description: DB-1;3.0 u film thickness *

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *

Detector 0: FID Detector 1: *

* Misc. Information: *

****

tarting Delay: 0.00 Ending retention time: 45.00

rea reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

ample Weight: 1.00000

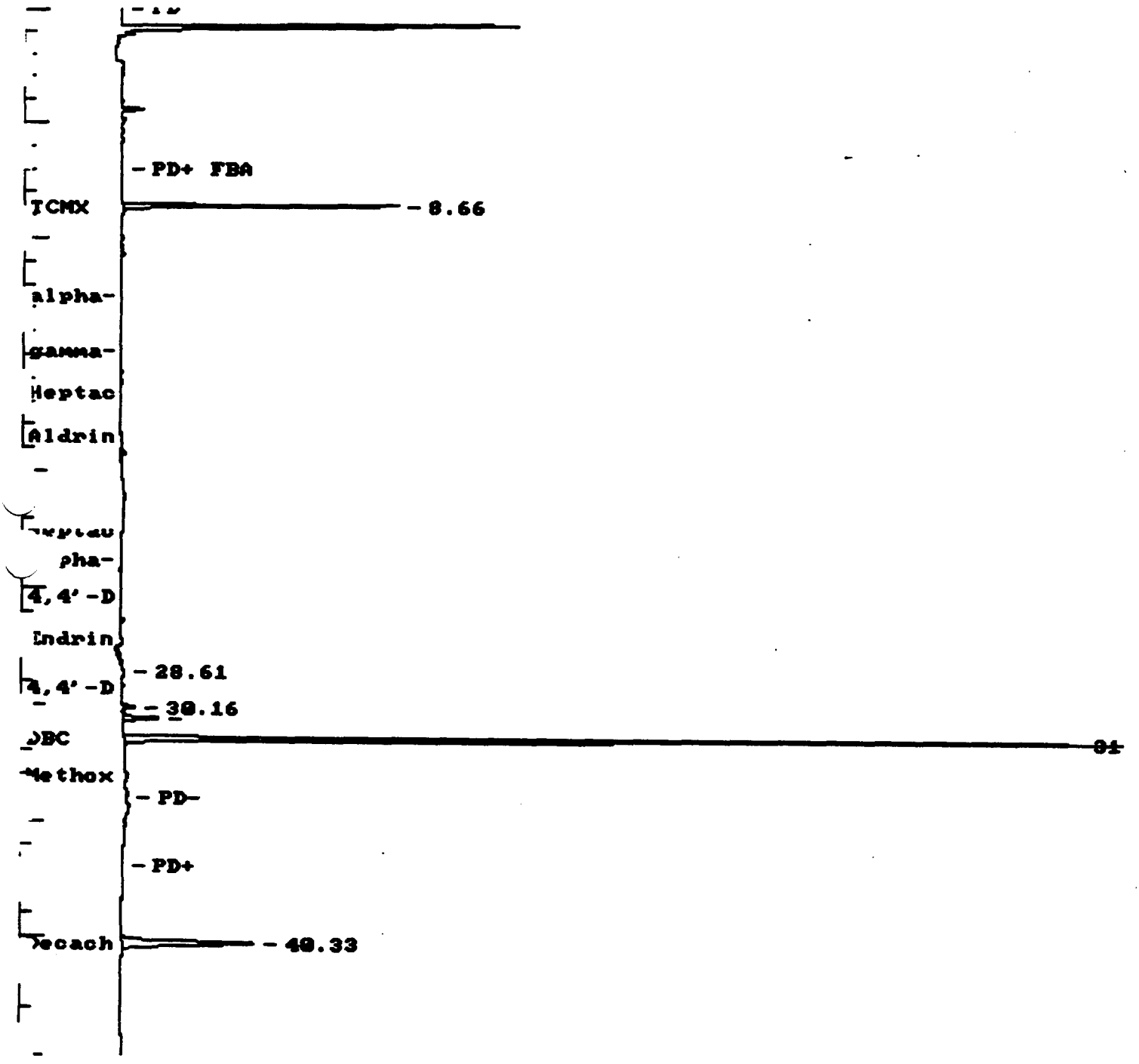
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	20.4868	14.9030%	159748	25815	6.2	1	0	0	1.2824E-04
11	28.609		0.0000	0.0000%	7888	104	76.0	1			0.0000E+00
3	30.157	Endosulfan sulfate	1.4770	1.0744%	9093	1182	7.7	1	0	.2883	1.6244E-04
	30.639		0.0000	0.0000%	25591	3357	7.6	1			0.0000E+00
15	31.517	DBC	100.7244	73.2714%	671498	100171	6.7	1	0	0	1.5000E-04
19	40.327	Decachlorobiphenyl	14.7793	10.7511%	166910	12322	13.5	1	0	0	8.8546E-05

TOTAL AMOUNT = 137.4676

PEAKS NOT FOUND IN THIS RUN

AME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.54	DBC
gamma-BHC	14.81	DBC
eta-BHC	15.38	DBC
eptachlor	16.62	DBC
ielta-BHC	17.50	DBC
ldrin	18.48	DBC
eptachlor epoxide	22.59	DBC
amma-Chlordane	22.92	DBC
lpha-Chlordane	23.84	DBC
ndosulfan I	23.88	DBC
,4'-DDE	25.43	DBC
Dieldrin	25.48	DBC
Endrin	27.19	DBC
,4'-DDD	28.04	DBC
ndosulfan II	28.07	DBC
4,4'-DDT	29.31	DBC
ndrin Aldehyde	29.55	DBC
ethoxychlor	33.02	DBC
ndrin ketone	33.17	DBC

reas, times, and heights stored in: F:ANOVW30.ATB
ta File = F:ANOVW30.PTS Printed on 11-04-1994 at 09:09:05
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:20:50 Version 5.1.5 **********

Sample Name: INST. BLK. Data File: F:BNOVW30

Date: 11-03-1994 21:16:59 Method: E:K608N1 11-03-1994 14:33:00 # 794

Interface: 1 Cycle#: 30 Operator MAC Channel#: 1 Vial#: N.A.

Starting Peak Width: 5 Threshold: 1 Area Threshold: 100

Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID

Solvent Description: DB-1;3.0 u film thickness

Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN.

Detector 0: FID Detector 1:

Misc. Information:

Starting Delay: 0.00 Ending retention time: 45.00

Area reject: 5000 One sample per 0.402 sec.

Amount injected: 0.50 Dilution factor: 1000.00

Sample Weight: 1.00000

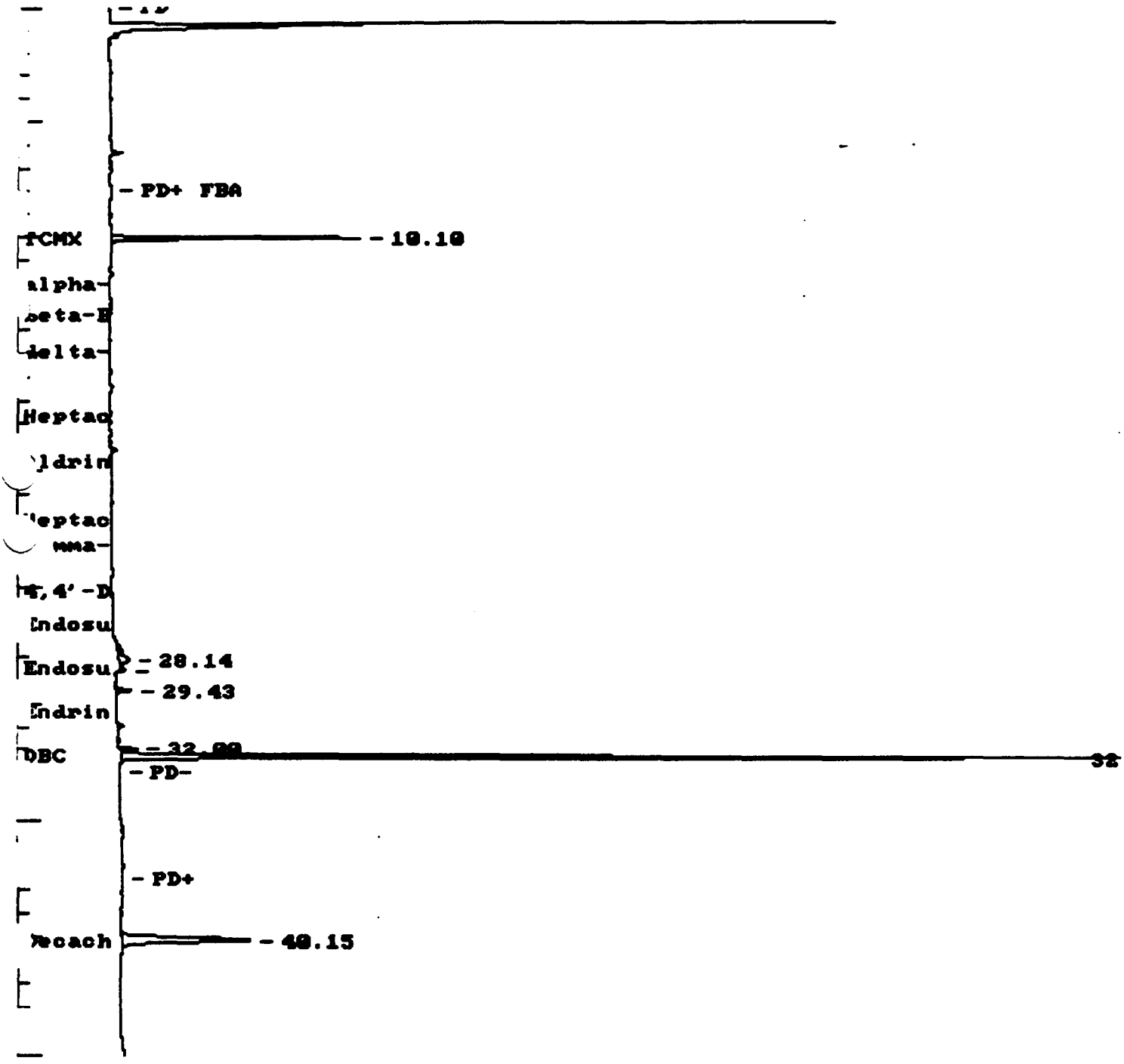
PEAK #	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
3	10.097	TCMX	19.5099	15.1601%	142787	23293	6.1	1	0	.1378	1.3664E-04
	28.140		0.0000	0.0000%	31750	967	32.8	1			0.0000E+00
	28.569	Endosulfan sulfate	0.8416	0.6540%	5380	726	7.4	1	0	.3752	1.5644E-04
	29.433		0.0000	0.0000%	11655	1545	7.5	1			0.0000E+00
17	31.999		0.0000	0.0000%	11970	1650	7.3	1			0.0000E+00
	32.321	DBC	93.8935	72.9596%	672920	98580	6.8	1	0	0	1.3953E-04
	0.146	Decachlorobiphenyl	14.4474	11.2263%	166485	11983	13.9	1	0	0	8.6779E-05

TOTAL AMOUNT = 128.6924

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
.pha-BHC	12.03	Decachlorobiphenyl
:ta-BHC	13.36	Decachlorobiphenyl
amma-BHC	13.73	Decachlorobiphenyl
elta-BHC	14.94	Decachlorobiphenyl
:ptachlor	17.70	Decachlorobiphenyl
.drin	19.65	Decachlorobiphenyl
eptachlor epoxide	22.16	Decachlorobiphenyl
.mma-Chlordane	23.23	Decachlorobiphenyl
I ıdosulfan I	23.85	Decachlorobiphenyl
alpha-Chlordane	24.03	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
I .eldrin	25.16	Decachlorobiphenyl
I ıdrin	26.16	Decachlorobiphenyl
Endosulfan II	26.58	Decachlorobiphenyl
4 4'-DDD	27.06	Decachlorobiphenyl
I .drin aldehyde	27.44	Decachlorobiphenyl
4,4'-DDT	28.68	Decachlorobiphenyl
Endrin ketone	30.36	Decachlorobiphenyl
I hoxychlor	31.02	Decachlorobiphenyl

reas, times, and heights stored in: F:BNOVW30.ATB
ta File = F:BNOVW30.PTS Printed on 11-04-1994 at 09:20:56
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
ull Range: 100 millivolts



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK43

Lab Name: Law Environmental, Inc. Contract: SEE COC

Lab Code: LENL-P Case No.: 63450 SAS No.: SDG No.: 63450

Matrix: (soil/water) SOIL Lab Sample ID: PIBLK43

Sample wt/vol: 30.0 (g/mL) G Lab File ID: ANOVW43

% Moisture: 0. decanted: (Y/N) N Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 10/25/94

Concentrated Extract Volume: 10000.0 (uL) Date Analyzed: 11/04/94

Injection Volume: .5 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	17.	U
11104-28-2	Aroclor-1221	33.	U
11141-16-5	Aroclor-1232	17.	U
53469-21-9	Aroclor-1242	17.	U
12672-29-6	Aroclor-1248	17.	U
11097-69-1	Aroclor-1254	17.	U
11096-82-5	Aroclor-1260	17.	U

INST. BLK. Processed: 11-04-1994 09:33:55, segment 1, cycle 43
W DATA SAVED IN FILE F:ANOVW43.PTS Second Channel Stored in F:BNOVW43.PTS

******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:34:04 Version 5.1.5 **********

* Sample Name: INST. BLK. Data File: F:ANOVW43 *
* Date: 11-04-1994 08:48:07 Method: E:J608N1 11-03-1994 09:47:31 # 901 *
* Interface: 1 Cycle#: 43 Operator MAC Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

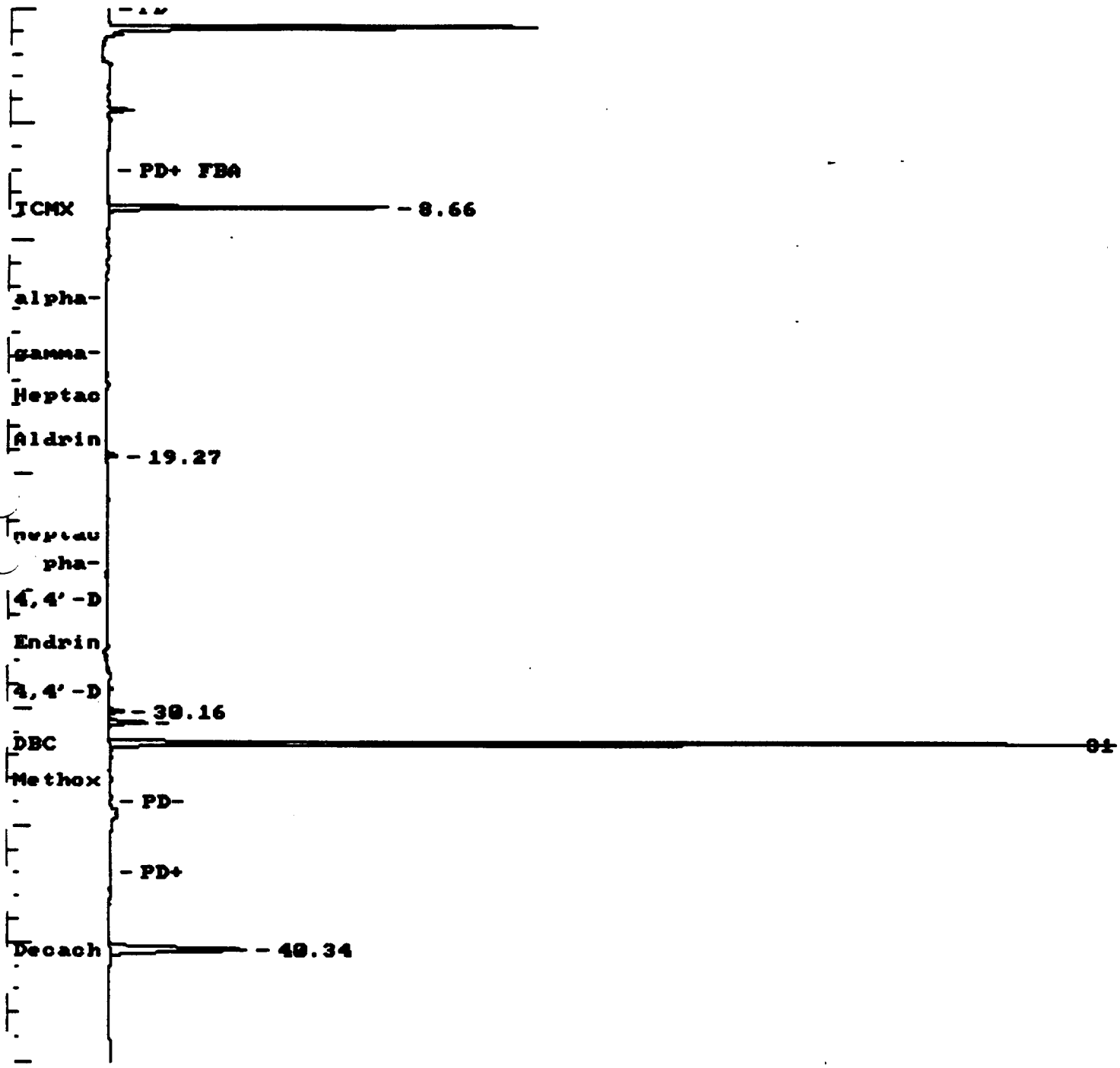
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	8.663	TCMX	20.6497	14.7996%	161018	26029	6.2	1	0	0	1.2824E-04
8	19.269		0.0000	0.0000%	9282	1069	8.7	1			0.0000E+00
5	30.163	Endosulfan sulfate	1.6027	1.1487%	9867	1276	7.7	1	0	.3106	1.6244E-04
16	30.646		0.0000	0.0000%	26019	3480	7.5	1			0.0000E+00
7	31.517	DBC	102.2335	73.2702%	681558	102044	6.7	1	0	0	1.5000E-04
	40.341	Decachlorobiphenyl	15.0434	10.7815%	169893	12619	13.5	1	0	0	8.8546E-05

TOTAL AMOUNT = 139.5294

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
lpha-BHC	12.54	DBC
amma-BHC	14.81	DBC
eta-BHC	15.38	DBC
Heptachlor	16.62	DBC
elta-BHC	17.50	DBC
ldrin	18.48	DBC
Heptachlor epoxide	22.59	DBC
amma-Chlordane	22.92	DBC
lpha-Chlordane	23.84	DBC
ndosulfan I	23.88	DBC
4,4'-DDE	25.43	DBC
ieldrin	25.48	DBC
ndrin	27.19	DBC
4,4'-DDD	28.04	DBC
ndosulfan II	28.07	DBC
,4'-DDT	29.31	DBC
ndrin Aldehyde	29.55	DBC
ethoxychlor	33.02	DBC
drin ketone	33.17	DBC

Areas, times, and heights stored in: F:ANOVW43.ATB
ata File = F:ANOVW43.PTS Printed on 11-04-1994 at 09:34:10
art time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



******* EXTERNAL STANDARD TABLE *******

********** 11-04-1994 09:34:24 Version 5.1.5 **********

* Sample Name: INST. BLK. Data File: F:BNOVW43 *
* Date: 11-04-1994 08:48:07 Method: E:K608N1 11-03-1994 14:33:00 # 794 *
* Interface: 1 Cycle#: 43 Operator MAC Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 SERIES II Column Type: CAP.;30M+0.53mm ID *
* Solvent Description: DB-1;3.0 u film thickness *
* Conditions: 35 C;HOLD-3MIN.;6/MIN;240 C;HOLD 25 MIN. *
* Detector 0: FID Detector 1: - *
* Misc. Information: *

Starting Delay: 0.00 Ending retention time: 45.00
Area reject: 5000 One sample per 0.402 sec.
Amount injected: 0.50 Dilution factor: 1000.00
Sample Weight: 1.00000

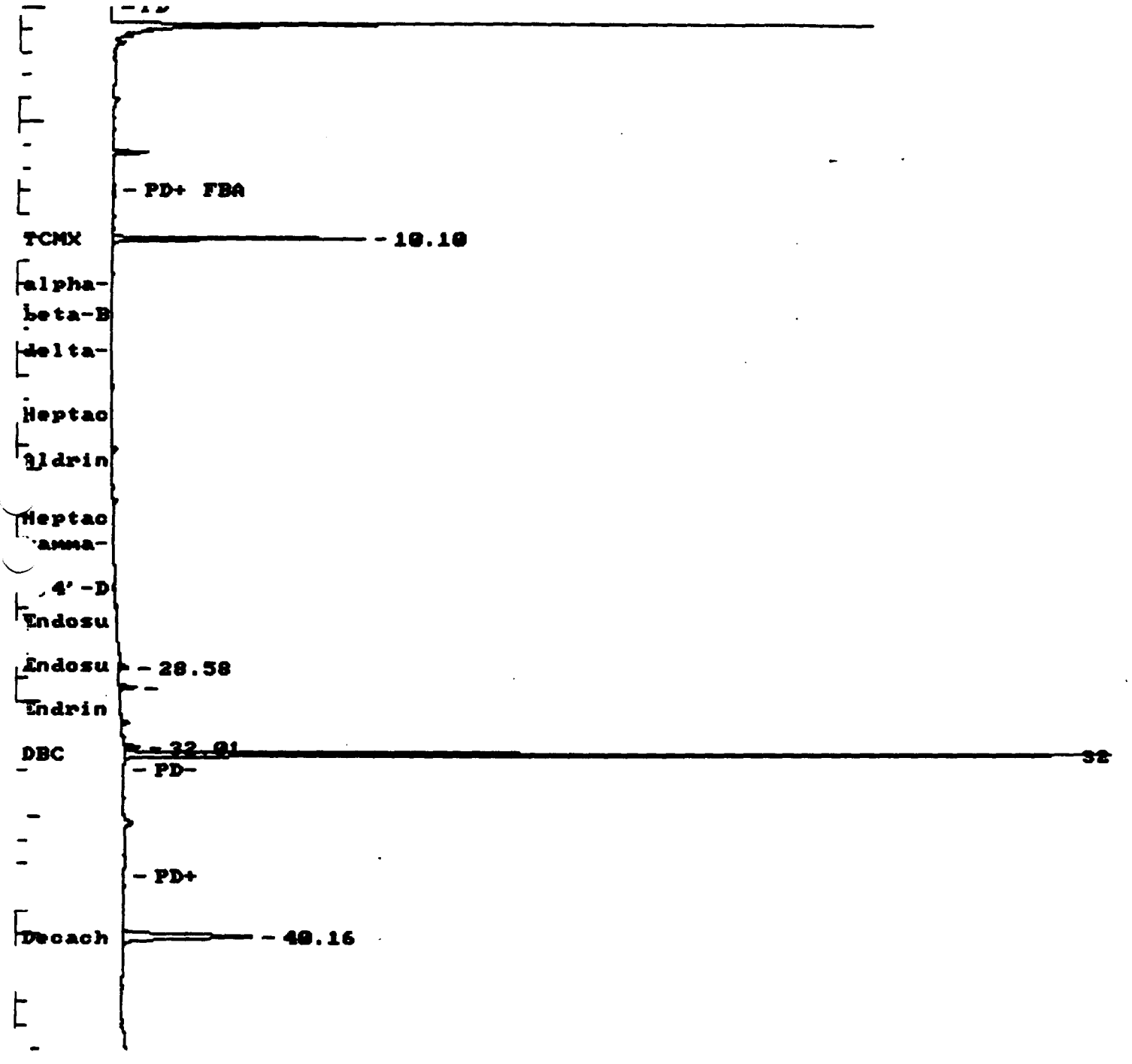
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in ppb	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
4	10.104	TCMX	19.7276	15.2419%	144381	23620	6.1	1	0	.2043	1.3664E-04
14	28.576	4,4'-DDT	1.7771	1.3731%	6448	837	7.7	1	0	-.3504	2.7559E-04
15	29.440		0.0000	0.0000%	11218	1565	7.2	1			0.0000E+00
18	32.013		0.0000	0.0000%	10461	1408	7.4	1			0.0000E+00
19	32.334	DBC	93.5314	72.2640%	670326	97680	6.9	1	0	0	1.3953E-04
20	40.160	Decachlorobiphenyl	14.3939	11.1210%	165868	12042	13.8	1	0	0	8.6779E-05

TOTAL AMOUNT = 129.4301

PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
alpha-BHC	12.03	Decachlorobiphenyl
beta-BHC	13.36	Decachlorobiphenyl
gamma-BHC	13.73	Decachlorobiphenyl
delta-BHC	14.94	Decachlorobiphenyl
Heptachlor	17.70	Decachlorobiphenyl
Aldrin	19.65	Decachlorobiphenyl
Heptachlor epoxide	22.16	Decachlorobiphenyl
gamma-Chlordane	23.23	Decachlorobiphenyl
Endosulfan I	23.85	Decachlorobiphenyl
alpha-Chlordane	24.03	Decachlorobiphenyl
4,4'-DDE	25.15	Decachlorobiphenyl
Dieldrin	25.16	Decachlorobiphenyl
Endrin	26.16	Decachlorobiphenyl
Endosulfan II	26.58	Decachlorobiphenyl
4,4'-DDD	27.06	Decachlorobiphenyl
Endrin aldehyde	27.44	Decachlorobiphenyl
Endosulfan sulfate	28.46	Decachlorobiphenyl
Endrin ketone	30.36	Decachlorobiphenyl
Methoxychlor	31.02	Decachlorobiphenyl

Areas, times, and heights stored in: F:BNOVW43.ATB
Data File = F:BNOVW43.PTS Printed on 11-04-1994 at 09:34:30
Start time: 0.00 min. Stop time: 45.00 min. Offset: 0 mv.
Full Range: 100 millivolts



Organics Extract Bench Sheet

LENL Pensacola, FL

DV: 030494

Run Log 51C - 5626

Start: 10/25/94 13:00

Client Bridgestone, Firestone Case: SDG: 63450

Type BNA / PP / TPH / Other - PCB only Matrix: SOIL - ORGANIC End 10/25/94 / 1612

Sonc / Diltn / Tumble SURR: 157C-19 1mL Spike: ~~157C-14 1mL~~ SSC

Balance: 004 74A-59 Oven: 001 120B-4 pH: 001

Analysts: Prep SSC Surr SSC Extr SSC Dry SSC Conc

Reagents: MeCl2 54A-44-15 Acetone 54A-43-16 Na2SO4 -54A-43-18

	Seq	Sample #	Vol / Wt	End Vol	pH	% Sol.	Dish	Wet	Dry	Appearance		Comments
m	1	BLK 5L2Lo	30.00	10 ml							Cu/Cl	
m	2	LCS-C	30.00								Cu/Cl	157C-14 1016/1260 (1mL)
ll	3	M63450	30.33	25.78		87%	1.30	7.41	6.50	Br	Cu/Cl	
ll	4	M63450 MS	30.08	25.57		85%	1.31	8.10	7.07	Br	Cu/Cl	157C-14 1016/1260 (1mL)
ll	5	M63450 MSD	30.18	25.65						Br	Cu/Cl	157C-14 1016/1260 (1mL)
ll	6	AA 63451	30.48	26.02		88	1.31	7.79	7.02	Br	Y/Cl	~~157C-14 1016/1260 (1mL)~~ SSC
ll	7	AA 63452	30.45	26.49		87	1.31	7.80	6.98	Br	Cu/Cl	
ll	8	AA 63453	30.14	21.40		71	1.31	10.38	7.78	Br	Cu/Cl	
ll	9	AA 63454	30.18	26.24		87	1.34	8.44	7.53	Br	Cu/Cl	
ll	10	AA 63455	30.11	25.89		86	1.34	8.28	7.34	Br	Cu/Cl	
m	11	LCS-A	30.00								Cu/Cl	IND A 157C-8 1mL
m	12	LCS-B	30.00								Cu/Cl	IND B 157C-9 1mL
m	13	M63460	30.20	10 ml		83	1.25	8.49	7.29	Br	Y/Cl	
	14											
	15											
	16											
	17											
	18											
	19											
	20											
	21											
	22											
	23											

78 0253 000221

DV020492

ORGANIC CHECKOUT FORM
LENL-PENSACOLA, FL

Client: COOPER TIRE Case: 414537 SDG: 63450

Location: ALBANY GA Calib. Ref.: _____ Form Initiated 10/20/94

S=Sample CHECKED OUT X=Extract						Y=Yes CHECKED IN N=No				
Type S/X	Date	Time	Removal Purpose*	Taken By	Cust. App.	Date	Time	Return By	Cust. App.	Complete Y/N-S/X
S	10-21-94	14:05	PCB	LEB CM		10-21-94	14:40	CM		S/Y
① S	10-25-94	10:00	PCB G	SSC		10-25-94	12:00	SSC		S/Y
X			G			10-25-94	17:00	[illegible]		X Y

*** REMOVAL PURPOSE**

PREPARATION	ANALYSES	DISPOSITION
A - pH / % Moisture	K - Screening	V - Storage
B - Extract SV - TPH	L - VOA - GC	W - Return
C - Extract SV - Acids	M - VOA - GC/MS	X - Consumed/ Disposal
D - Extract SV - B/N's	N - VOA - TPH	
E - Extract SV - B/N/A's	O - SV - GC/MS	
F - Extract TRPH	P - SV - GC/MS	
G - Extract Pest/PCB's	Q - Pest/PCB - GC	
H - Clean-up SV	R - GC/MS Confirmation	
I - Clean-up Pest/PCB's	T - HPLC	
J - Extract - HPLC	U - TRPH	
Y - TCLP Extract - VOA's		Z - OTHER (List on Back)

SAMPLES CONSTITUTING THIS BATCH

Matrix: SO Level:

Laboratory Sample ID	Laboratory Sample ID
01. AA63450	11.
02. AA63451	12.
03. AA63452	13.
04. AA63453	14.
05. AA63454	15.
06. AA63455	16.
07.	17.
08.	18.
09.	19.
10.	20.

DVC20492

ORGANIC CHECKOUT FORM
LENL-PENSACOLA, FL

Client: _____ Case: _____ SDG: _____

Form Initiated___/___/___

Continued From First Page

S=Sample CHECKED OUT X=Extract						Y=Yes CHECKED IN N=No				
Type S/X	Date	Time	Removal Purpose*	Taken By	Cust. App.	Date	Time	Return By	Cust. App.	Complete Y/N-S/X

SAMPLES CONSTITUTING THIS BATCH - CONTINUED

Matrix: Level:

Laboratory Sample ID	Laboratory Sample ID
21.	26.
22.	27.
23.	28.
24.	29.
25.	30.

COMMENTS

1) PCB only - bb SSC ~~63450 only~~

LAW ENVIRONMENTAL, INC.
NATIONAL LABORATORY
112 TOWNPARK DRIVE
KENNESAW, GEORGIA 30144
(404) 421-3306

CHAIN OF CUST[illegible]DY RECORD

№ 2[illegible]77

SAMPLING INFORMATION
NAME OF FACILITY: COOPER TIRE
STREET ADDRESS:
CITY / STATE: ALBANY, GA
ZIP

PROJECT NAME: BRIDGESTONE / FIRESTONE
JOB NO.: 41-4537
SAMPLERS (SIGNATURE): Albert S. Sacchetta
SAMPLERS INITIALS (PRINT): ASS
SAMPLING DATE: 10/18 - 10/19/94

CONTAINER TYPE: G = GLASS PL = PLASTIC

TIME	GRAB	COMP	* MATRIX	SAMPLE STATION DESCRIPTION	TOTAL NO. OF CONTAINERS	40 ml G VOA Vial (HCl)	40 ml G VOA Vial	1 L G Amber Bottle	500 ml G Amber Bottle (H_2SO_4)	1 L PL Bottle	1 L PL Amber Bottle	1 L PL Bottle (HNO_3)	1 L PL Bottle (H_2SO_4)	1 L PL Bottle (Ascorbic Acid + NaOH)	1 L PL Bottle (Zn Acetate + NaOH)	250 ml PL Bottle	Teflon Bottle	32 oz. G Jar	8 oz. G Jar	4 oz. G Jar	2 oz. G SEPTA Jar			FOR LAB USE ONLY
16:25		✓	SO	FLE-011 (Nan) 10/18	1													1						AA63450
13:13		✓	SO	FLW-012	1													1						AA63451
16:21		✓	SO	WLS-014	1													1						AA63452
16:13		✓	SO	WLE-015	1													1						AA63453
15:28		✓	SO	WLW-016 10/18	2														2					AA63454
12:04		✓	SO	WLN-027 10/19	2														2					AA63455

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	RELINQUISHED BY	RECEIVED BY LABORATORY	DATE / TIME
Albert S. Sacchetta (SIGNATURE)	10/19/94 12:30	(SIGNATURE)		(SIGNATURE)	Deborah Miller (SIGNATURE)	10/20/94 0815

*MATRIX

WATER W
SLUDGE SL
SOIL / SEDIMENT SO
OTHER NA

DISTRIBUTION: ORIGINAL AND YELLOW COPIES ACCOMPANY SAMPLE SHIPMENT TO LABORATORY. TEMP. BLANK
PINK COPY RETAINED BY SAMPLERS. YELLOW COPY RETAINED BY LABORATORY.

REMARKS: ANALYSES PCBs 8080 CLP DATA Cooler temp 5°C 5°C
CONTACT ERIC KELLER 404-421-3394 UPON RECIPT TO VERIFY ANALYSES

Are Custody Seals Present? Yes ☐ No ☐ [illegible] Only
Date:

7 8 0256
000224

DM
10/20/94

NO DISCREPANCY'S

Deborah Miller
10/20/94

COOLER RECEIPT FORM

LIMS# _____

Contractor Cooler 25077

NRD Cooler # _____

Number of Coolers 1 OF 1

PROJECT: BRIDGESTONE/FIRESTONE Date received: 10/20/94

USE OTHER SIDE OF THIS FORM TO NOTE DETAILS CONCERNING CHECK-IN PROBLEMS.

A. PRELIMINARY EXAMINATION PHASE: Date cooler was opened: _____

by (print) DEBORAH MILLER (sign) Deborah Miller

1. Did cooler come with a shipping slip (air bill, etc.)? ..... YES NO

If YES, enter carrier name & air bill number here: FEDEX 9476083691

2. Were custody seals on outside of cooler? ..... YES NO

How many & where: 1 IN FRONT, seal date: 10/19/94, seal name ALBERT SACHETTA

3. Were custody seals unbroken and intact at the date and time of arrival? ..... YES NO
4. Did you screen samples for radioactivity using the Geiger Counter..... YES NO
5. Were custody papers sealed in a plastic bag & taped inside to the lid? ..... YES NO
6. Were custody papers filled out properly (ink, signed, etc.)? ..... YES NO
7. Did you sign custody papers in the appropriate place? ..... YES NO
8. Was project identifiable from custody papers? If YES, enter project name at the top of this form. YES NO
9. If required, was enough ice used? ..... Type of ice: Wet ..... YES NO
10. Have designated person initial here to acknowledge receipt of cooler: DM (date) 10/20/94

B. LOG-IN PHASE: Date samples were logged-in: 10/20/94

by (print) DEBORAH MILLER (sign) Deborah Miller

11. Describe type of packing in cooler: Bubble bags, Bubble wrap
12. Were all bottles sealed in separate plastic bags? ..... YES NO
13. Did all bottles arrive unbroken & were labels in good condition? ..... YES NO
14. Were all bottle labels complete (ID, date, time, signature, preservative, etc.)? ..... YES NO
15. Did all bottle labels agree with custody papers? ..... YES NO
16. Were correct containers used for the tests indicated? ..... YES NO
17. Were correct preservatives added to samples? ..... YES NO
18. Was a sufficient amount of sample sent for tests indicated? ..... YES NO
19. Were bubbles absent in VOA samples? If NO, list by GAS: N/A YES NO
20. Was the project manager called and status discussed? If YES, give details on the back of this form. YES NO

21. Who was called ? _____ By whom ? _____ (date) _____

CLP SAMPLE DELIVERY GROUP (SDG)

Lab Name: LENL-Pensacola, FL Contract Number: 25077

Project Name: BRIDGESTONE FIRESTONE Project Number: 414537

SDG No./First Sample in SDG: 63450 Sample Receipt Date: 10/20/94

Last Sample in SDG: 63455 Sample Receipt Date: 10/20/94

Sample Numers in the SDG:

	Sample ID	Lab ID		Sample ID	Lab ID
01.	FLE 011	AA63450	11.		
02.	FLW 012	AA63451	12.		
03.	WLS 014	AA63452	13.		
04.	WLE 015	AA63453	14.		
05.	WLW 016	AA63454	15.		
06.	WLN 027	AA63455	16.		
07.			17.		
08.			18.		
09.			19.		
10.			20.		

Note: There is a maximum of 20 field samples in an SDG.
Sample numbers must be no more than six characters long.

Attach Chain of Custody to this form.

Deborah Miller
Sample Custodian

10/20/94
Date

NAT... LABORATORY
112 TOWNPARK DRIVE
KENNESAW, GEORGIA 30144
(404) 421-3306

KENNESAW REQUES... OR ANALYSIS

PROJECT NAME BRIDGESTONE / FIRESTONE PROJECT #: 41-4537 TASK#: 62

PROJECT MANAGER ERIC KELLER TURNAROUND TIME (3 WKS) RUSH 2 WKS DAYS (INCURS RUSH FEE)

SAMPLE I.D. FLE-011, FLW-012, WLS-014, WLE-015, WLW-016, WLN-027

METALS (CIRCLE ELEMENT REQUESTED & ONE METHOD PER ELEMENT)

TOTAL OR DISSOLVED

ELEMENT	ICP/FLAME	FURNACE	ELEMENT	ICP/FLAME	FURNACE
ALUMINUM	6010	—	MOLYBDENUM	6010	—
ANTIMONY	6010/7041	—	MERCURY	7470/7471	AA COLD VAPOR
ARSENIC	6010	7060	NICKEL	6010/7520	7521/249.2
BARIUM	6010	—	POTASSIUM	6010	—
BERYLLIUM	6010/7090	7091	SELENIUM	6010	7740
CADMIUM	6010/7130	7131	SILVER	6010/7760	7761
CALCIUM	6010	—	SODIUM	6010	—
CHROMIUM	6010/7190	7191	STRONTIUM	6010	—
COBALT	6010	7201	THALLIUM	6010	7841
COPPER	6010/7210	—	TIN	6010	—
IRON	6010	—	TITANIUM	6010	—
LEAD	6010/7420	7421/239.2	VANADIUM	6010	7911
MAGNESIUM	6010	—	ZINC	6010/7950	—
MANGANESE	6010/7460	—	8 RCRA METALS*		

*As (7060), Ba (6010), Cd (6010), Cr (6010), Pb (6010), Hg (CV), Se (7740), Ag (6010)

INORGANICS (PLEASE COMPLETE BELOW):

2 WK TAT BASED ON Phone CONVERSATION. IF POSSIBLE QUICKER TAT

ADDITIONAL ANALYSIS (PLEASE COMPLETE BELOW):

PCB'S - 8080 CLP DATA

FORM COMPLETED BY Albert S. Sacchetta DATE: 10/19/94

GC (CIRCLE ANALYSES REQUESTED)	WATER/SOIL	WATER
HALOGENATED VOLATILE ORGANICS	8010	601
AROMATIC VOLATILE ORGANICS	8020	602
PHENOLS (NON-DERIVATED)	8040	604
PESTICIDES AND/OR PCB'S	8080	608
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8100	610
HERBICIDES (2,4-D & 2, 4, 5-TP)	8150	—
ETHYLENE DIBROMIDE (EDB)	—	504

GC/MS (CIRCLE ANALYSES REQUESTED)	WATER/SOIL	WATER
VOLATILE ORGANICS	8240	624
ACID EXTRACTABLES	8270	625
BASE NEUTRAL EXTRACTABLES	8270	625

PRIORITY POLLUTANT ANALYSIS (CIRCLE ANALYSIS REQUESTED)
PRIORITY POLLUTANT SCAN
PRIORITY POLLUTANT ORGANICS
PRIORITY POLLUTANT INORGANICS

RCRA HAZARDOUS WASTE IDENTIFICATION (CIRCLE ANALYSIS REQUESTED)	
TCLP METALS	IGNITABILITY
TCLP HERBICIDES	CORROSIVITY (pH)
TCLP PESTICIDES	REACTIVITY (HCN, H2S)
TCLP ACID EXTRACTABLES	EP TOX METALS
TCLP BASE NEUTRALS EXTRACTABLES	EP TOX PESTICIDES
TCLP VOLATILES	EP TOX HERBICIDES

78 0260 000229