ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D930001187 Cooler # 226

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: ZG7030
PROJECT NAME: HOD Landfill RI/FS(O)
SAMPLERS: (Signature) Linda Knorz

LOW CONCENTRATION GROUNDWATER
SHEET 1 OF 6

REMARKS: SF1187

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA (HCL)	Extractable	Metals (HNO3)	Cyanide (NaOH)	Mercury (Kaolin + HNO3)	Alkalinity (Chloride/Sulfate)	Hardness (HNO3)	TOC (H2SO4)	Nitrate/Nitrite (H2SO4)	Ammonia/Nitrogen (H2SO4)	TDS	TAG NUMBERS
ZE33526	5/12/93	0900		X	WTD + MSD	24	8	8	1	1	1	1	1	1	1	1		031601-17 / 031619-25

METALS ARE Filtered

CRL Tracking FORM IN COOLER II 236

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Linda Knorz	5/12/93 1600	William Sanger			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Sanger	Date / Time 5/13/93 4:35pm	Remarks Hand Delivered Custody Seals: 32437-38	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5- 00631

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D93000187

COOLER # E102

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: ZG7030
PROJECT NAME: HOD Landfill RI/FS (O)
SAMPLERS: (Signature) Linda Knotz

Low Concentration Groundwater
SHEET 2 OF 6

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA (HCL)	Extractable	Metals (HNO3)	Cyanide (NaOH)	Mercury (K2Cr2O7 + HNO3)	Alkalinity/Chloride/Sulfate (TDS)	TOC (H2SO4)	Hardness (HNO3)	Nitrate/Nitrite (H2SO4)	Ammonia/Nitrogen (H2SO4)	REMARKS SF1187 Tag numbers
ZE33537	5/12/93	1100		X	VS6D	14	3	3	1	1	1	1	1	1	1	1	031626-28 / 031634-49
ZE8L6R61	5/12/93	0805		X	MWTB01	2	2										031731-32

METALS ARE Filtered

CRL Tracking Form in COOLER # 236

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Linda Knotz	5/12/93 1600	William Snyder			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Snyder	Date / Time 5/13/93 4:35 pm	Remarks Hand Delivered Custody Seals: 32443-44	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D93000187

COOLER # E161

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: ZG7030
PROJECT NAME: HeID Landfill RI/FS (2)
SAMPLERS: (Signature) Linda Knorz

REMARKS: LOW CONCENTRATION Groundwater SHEET 3 OF 6 SF1187

STA. NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA (HCL)	Extractable	Metals (HNO3)	Cyanide (NaOH)	Mercury (K2Cr2O7 HNO3)	Alkalinity (Sulfate)	Hardness (HNO3)	TOC (H2SO4)	Nitrate (Nitrite) (H2SO4)	Ammonia (Nitrogen) (H2SO4)	TAG NUMBERS
ZE33D37	5/12/93	1100		X	DUSLD	14	3	3	1	1	1	1	1	1	1	1	031650-52/031658-60/031666-73

Metals ARE FILTERED

CRL Tracking FORM IN COOLER # 236

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
L. Knorz	5/12/93 1600	William Smyth			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		William Smyth	5/13/93 4:35pm	Hand Delivered Custody Seals · 32441-42	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D93000 1187 Cooler # 234

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.: ZG7030
PROJECT NAME: HOD Landfill RI/FS (U)
SAMPLERS: (Signature) Linda Knors

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA (HCL)	Extractable	Metals (HNO3)	Cyanide (NaOH)	Mercury (K2Cr2O7 + H2SO4)	Alkalinity/Sulfate/Chloride	Hardness (HNO3)	TOC (H2SO4)	Nitrate/Nitrite (H2SO4)	Ammonia/Nitrogen (H2SO4)	REMARKS
ZE06R60	5/12/93	1330		X	MWFB01	14	3	3	1	1	1	1					031674-87
																	METALS ARE Filtered
																	CRL Tracking form in Cooler # 234

Low Concentration Groundwater SHEET 4 of 6
SF 1187 Tag Numbers

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Linda Knors	5/12/93 1600	William Sanger			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) William Sanger	Date / Time 5/13/93 4:35pm	Remarks Hand Delivered Custody Seals 32439-40	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D93000 1187 Cooler # 62

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: ZG7030
PROJECT NAME: HOD Landfill RI/FS (0)
SAMPLERS: (Signature) Linda Knorz

LOW Concentration Groundwater
SHEET 5 OF 6

REMARKS: SF1187

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA (HCL)	Extractable	Metals (HNO3)	Cyanide (NaOH)	Mercury (K2Cr2O7 HNO3)	Alkalinity/Chloride/Sulfate	Hardness (HNO3)	TOC (H2SO4)	Nitrate/Nitrite (H2SO4)	Ammonia/Nitrogen (H2SO4)	TDS	TAG NUMBERS
2E33539	5/12/93	1630		X	L1 + MSD	24	8	8	1	1	1	1	1			1		031688-031700/031629-33
																		031733, 031637-41

Metals are Filtered

CRL Tracking Form in Cooler # 62

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Linda Knorz	5/12/93 1800	William Sugg Jr			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		William Sugg Jr	5/13/93 4:35pm	HAND DELIVERED	

Custody Seals: 32447-48

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

D930001187 Cooler # 44

CHAIN OF CUSTODY RECORD

REGION 5
230 South Dearborn Street
Chicago, Illinois 60604

PROJ. NO.: ZG7030
PROJECT NAME: Hoi Landfill RI/FS (0)
SAMPLERS: (Signature) Linda Kors

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOA (HCl)	Extractable Metals (HNO3)	Cyanide (NaOH)	Mercury (K2Cr2O7 HNO3)	Alkalinity/Sulfate/Chloride	Hardness (HNO3)	TDS	TDC (H2SO4)	Nitrate/Nitrogen (H2SO4)	Ammonia/Nitrogen (H2SO4)	REMARKS
ZE33D39	5/12/93			X	LID	14	3	3	1	1	1	1	1	1	1	1	031701-14
ZE00R65	5/12/93	0800		X	LTB01	2	2										031729-30

Low Concentrations Groundwater
SHEET 6 OF 6
SF 1187
TAG NUMBERS

METALS ARE Filtered

CRL Tracking Form in Cooler # 62

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Linda Kors	5/12/93 1800	William Smyth			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
		William Smyth	5/13/93 4:35pm	HAND DELIVERED Custody Seals: 32449-50	

Distribution: White — Accompanies Shipment; Pink — Coordinator Field Files; Yellow — Laboratory File

5- 00638

D93000 1187

TFA301 DAY1

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/~~02~~ 3/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	TOTAL METALS WATER Cd UG/L	TOTAL METALS WATER TOTAL ICAP UG/L MET111	TOTAL METALS WATER AS UG/L MET101	TOTAL METALS WATER PB UG/L MET1191	TOTAL METALS WATER SB UG/L MET1201	TOTAL METALS WATER SE UG/L MET1211	TOTAL METALS WATER TL UG/L MET1221	
93ZE33536	W7D	X	X	X	X	X	X	X	5031617
37	U56D	X	X	X	X	X	X	X	5031642
D37	DU56D	X	X	X	X	X	X	X	5031666
93ZE06R60	MWFB01	X	X	X	X	X	X	X	5031681

D930001187

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: METALS

TFA301 DAY1

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/3/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	TOTAL METALS WATER Cd UG/L	TOTAL METALS WATER TOTAL ICAP UG/L MET111	TOTAL METALS WATER AS UG/L MET161	TOTAL METALS WATER PB UG/L MET1191	TOTAL METALS WATER SB UG/L MET1201	TOTAL METALS WATER SE UG/L MET1211	TOTAL METALS WATER TL UG/L MET1721	
93ZE33539	L1+MSD	X	X	X	X	X	X	X	5-031-694
↓ D39	L1D	X	X	X	X	X	X	X	5-031-707
~~93ZE06R64~~	~~LFBD1~~	X	X	X	X	X	X	X	LK

D930001187

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

TFA301 DAY 1

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/~~2~~3/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. LANDFILL PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
93ZE33S36	W7D +MSD		X	X	5-031610-611	5-031614-15-16
37	US6D		X	X	5-031635-	636
D37	DUS6D		X	X	5-031659-	660
93ZE06R60	MWFB01		X	X	5-031678-	679

D93000187

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

TFA301 DA1

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/~~2~~3/93

DU NUMBER 1187. DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
93ZE33S39	L1 + MSD		X	X	5-031692-693	5-031634-40-41
↓ D39	L1D		X	X	5-031705-706	
LK ~~93ZE06R64~~	~~LFB01~~		~~X~~	~~X~~		

D930001187 TFA301 DM1

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS - NUTRIENTS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/3/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR E&E —

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER PHENOLICS UG PHENOL/L MIN 74818	WATER CYANIDE UG CN/L MIN 74919	WATER GROSS ALPHA P CI/L MIN 75020	WATER CR^{+6} UG CR^{+6}/L MIN 74616	WATER MERCURY UG HG/L MIN 74717
93ZE33S36	5-031-620 W7D+MSD		X			
37	USGD 5-031643		X			
D37	DUSGD 5-013668		X			
93ZE06R60	MWFB01 5-013-682		X			
93ZE33S36	W7D+MSD 5-031619					X
93ZE33S37	USGD 5-031644					X
93ZE33D37	DUSGD 5-031667					X
93ZE06R60	MWFB01 5-013680					X
	SHIPMENT	IS NOT	COMPLETE			

D930001187

TFA301 DAY1

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS - NUTRIENTS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/3/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER PHENOLICS UG PHENOL/L MIN 74818	WATER CYANIDE UG CN/L MIN 74919	WATER GROSS ALPHA P CI/L MIN 75020	WATER CR^{+6} UG CR^{+6}/L MIN 74616	WATER MERCURY UG HG/L MIN 74717
93ZE33S39	5-031695 L1 + MSD		X			
↓ D39	5-031708 L1D		X			
LK ~~93ZE06R61~~	~~L.FB01~~		X			
93ZE33S39	L1+MSD 5-031696					X
93ZE33D39	L1D 5-031709					X

Shipment Not Complete

D930001187 TFA301 DAY 1 3

(3)

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAMS MINERALS-NUTRIENTS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLING DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/12/93

SU NUMBER TFA DATASET NUMBER 1187 STUDY H.O.D. LANDFILL PRIORITY N CONTRACTOR E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER HARDNESS	WATER TDS	WATER ALKALINITY MG CACO3/L MIN74011	WATER SULFATE MG SO4/L MIN74112	WATER CHLORIDE MG CL/L MIN74213	
93ZE33536	W7D	X	■	■	■	■	5-031622
37	US6D	X	■	■	■	■	5-031646
D37	DUS6D	X	■	■	■	■	5-031670
93ZE06R60	MWFB01	X	■	■	■	■	5-031684
93ZE33539	L1+MSD	X				■	5-031697
93ZE33039	L1D	X					5-031711

D930001187

TFA301

DM1

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ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAMS MINERALS-NUTRIENTS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLING DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/13/93

DU NUMBER TFA DATASET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY N CONTRACTOR E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER HARDNESS	WATER TDS	WATER ALKALINITY MG CACO3/L MIN70811	WATER SULFATE MG SO4/L MIN70112	WATER CHLORIDE MG CL/L MIN70213	
93ZE33S39	L1 +MSD		X	X	X	X	5031733
↓ D39	L1D		X	X	X	X	5031710
~~93ZE06R4~~	LFB01		X	X	X	X	LK
93ZE33S36	W7D		X	X	X	X	5031621
93ZE33S37	US6D		X	X	X	X	5031645
93ZE33D37	DUS6D		X	X	X	X	5031669
93ZE06R60	MWFB01		X	X	X	X	5031683

D93000 1187 TFA301 DM1 (2)

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS-NUTRIENTS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLING DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/3/93

DU NUMBER TFA DATASET NUMBER 1187 STUDY H.O.D. LANDFILL PRIORITY N CONTRACTOR E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER CHEMICAL OXYGEN DEMAND MG COD/L MIN7336	WATER TOTAL ORGANIC C ARBON MG C/L MIN7307	WATER BIOCHEMICAL OXY GEN DEMAND MG BOD5/L MIN7356	WATER RESIDUE-FILTERA BLE MG/L MIN7342	WATER RESIDUE-NONFILT ERABLE MG/L MIN7372
93ZE33536	W7Δ		X			
37	U56Δ		X			
D37	ΔU56Δ		X			
93ZE06R60	MWFB01		X			

5-031623
5-031647
5-031671
5-031685

CRL V.3: 1/89

D93000 1187

TFA301 DAY1

(2)

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS-NUTRIENTS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLING DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/~~2~~3/93

DU NUMBER TFA DATASET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY N CONTRACTOR E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER CHEMICAL OXYGEN DEMAND MG COD/L MIN7336	WATER TOTAL ORGANIC C ARBON MG C/L MIN7347	WATER BIOCHEMICAL OXYGEN DEMAND MG BOD5/L MIN7356	WATER RESIDUE-FILTERABLE MG/L MIN7362	WATER RESIDUE-NONFILTERABLE MG/L MIN7372	
93ZE33539	L1 + MSD		X				5031698
↓ D39	L1D		X				5031712
~~93ZE06R64~~	~~LFB01~~		X				LK

CRL V.3: 1/89

D93000 1187 TFA301 DM1 ①

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS-PATHIENTS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLING DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/23/93

NUMBER TFA DATASET NUMBER 1187 STUDY H.O.d. Landfill PRIORITY N CONTRACTOR E&E

CRL LAB SAMPLE	SAMPLE DESCRIPTION	WATER NITRATE & Nitrite N MG N/L MIN7294	WATER AMMONIA MG N/L MIN7290	WATER [redacted] MG N/L MIN7380	WATER TOTAL PHOSPHORUS P MG P/L MIN7315	WATER TOTAL DISSOLVED PHOSPHORUS MG P/L MIN7325	
93ZE33S36	W7D	X	[redacted]				5-031624
37	U56D	X	[redacted]				5-031648
D37	DU56D	X	[redacted]				5-031672
93ZE06R60	MWFB01	X	[redacted]				5-031686
[redacted]							
93ZE33S39	L1+MSD	X					5-031699
93ZE33D39	L1D	X					5-031713

PAGE.15

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D930001187 TFA301 DAY 1 ①

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: MINERALS-NUTRIENTS

DIVISION/BRANCH ARCS/SUPERFUND SAMPLING DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/3/93

DW NUMBER TFA DATASET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY N CONTRACTOR F&E

CRL LNG NUMBER	SAMPLE DESCRIPTION	WATER NITRATE & Nitrite TL MG N/L MIN7284	WATER AMMONIA MG N/L MIN7294	WATER NITROGEN MG N/L MIN7304	WATER TOTAL PHOSPHORUS MG P/L MIN7315	WATER TOTAL DISSOLVED PHOSPHORUS MG P/L MIN7325	
93ZE33S39	L1 FMSD		X	X			5-031700
V, D39	L1D		X	X			5-031714
~~93ZE06R64~~	~~LFB01~~	X	X				LK
93ZE33S36	W7D		X	X			5-031625
93ZE33S37	US6D		X	X			5-031649
93ZE33D37	DUS6D		X	X			5-031673
93ZE06R60	MWFB01		X	X			5-031687

D93000 1187

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES

TFA301 DM1

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/~~12~~ 3/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17564	WATER ABN ORGANICS SCAN UG/L TOX 17574	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93ZE33S36	W7D 5-031601-2-3-604-5-6-7-8	X			
37	U56D 5-031626-7-8	X			
D37	DU56D 5-031650-1-2	X			
93ZE06R60	MWFB01 5-031674-6	X			
93ZE06R61	MWTB01 5-031731-2	X			
93ZE06R65	LTB01 5-031724-730	X			
93ZE33S39	LTMSD 5-031624-30-31-32-33 5-031688-89-90	X			
93ZE33D39	LD 5-031701-02-03	X			

D93000 1187

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: TOXIC SUBSTANCES

TFA301 DAM 1

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/~~2~~3/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER VOLATILE ORGANICS SCAN UG/L TOX 17564	WATER ABN ORGANICS SCAN UG/L TOX 17574	SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622	SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722
93ZE33539	5-031691 5-031637-8 L1 + MSD		X		
↓ D39	5-031704 L1D		X		
~~93ZE06R64~~	~~LFB01~~	X	X		
~~93ZE06R05~~	~~LFB01~~				
93ZE33536	W7D 5-031609 5-031612-613		X		
93ZE33537	US6D 5-031634		X		
93ZE33037	DUS6D 5-031658		X		
93ZE06R60	MWFB01 5-031677		X		

LK

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JUL 1 2 1993

Subject: Review of Region 5 Data for SF 1187 H. O. D. LANDFILL

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To:

Attached are the results for SF 1187 H. O. D. LANDFILL
CRL request number D930001187
for analyses for PCB/PESTICIDES
Results are reported for sample designations: 93ZE33S36 - S39; D37 - D39;
93ZE06R60; R62; R64

Results Status:
(X) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

( ) Sewer Disposal Criteria Met; Exceptions: none

Comments on Data Quality by Reviewer

Instrument audits were generally acceptable. MS/MSD recovery data for both pesticides and PCB spiking compounds were acceptable. TCMX surrogate recoveries were low ranging from 22 - 57 % while DCB surrogate recoveries were acceptable for all samples except for one sample (S39) which was slightly below the 50 - 150 % range, at 48 %. TCMX, being a low-boiling compound could have been lost during the sample preparation steps while concentrating the samples. Samples S39 and D39 were positive for p,p'-DDD at 0.056 & 0.065 ug/L, respectively and for p,p'-DDT at 0.081 & 0.07 ug/L, respectively. The out-of-control TCMX recoveries had no negative impact on the quality of the reported data for p,p'-DDD and p,p'-DDT since these two compounds are high boiling compounds similar to DCB surrogate for

which the recoveries in the samples were acceptable. No other samples were positive for analytes of interest.

Data are acceptable for use.

Comments by Laboratory Director or Quality Control Coordinator

Review Record for SF 1187 H. O. D. LANDFILL

Erlinda Evangelista E. Evangelista 7/7/93

Team Leader and Date (X) Reviewed ( ) Unreviewed

Chi M. Tang Chi Tang 7/8/93

Section Chief and Date ( ) Reviewed (✓) Unreviewed

James Adams, Jr. James H. Adams, Jr. 7/9/93

QC Coordinator and Date ( ) Reviewed (✓) Unreviewed

Sylvia Griffin 7-12-93

Data Management Coordinator and Date Received

Date Transmitted JUL 1 2 1993

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
SL - 10C

Received by and Date

Comments:

ENVIRONMENTAL PROTECTION AGENCY, REGION V

IVISION: Superfund SAMPLING DATE: 5/13/93 ARRIVAL DATE: 5/14/93 ANALYSIS DUE DATE: 6/04/93

DATA SET #: SF 1187 ACTIVITY #: TFA 301 STUDY: H.O.D. Landfill

REPORTING UNITS ARE: µg/L Sample Type: Water, Sediments, Oil, Sludge, Wipes

Pesticide / Sample #	Y-BHC Lindane	Heptachlor	Aldrin	Heptachlor Epoxide	Endosulfan I	Dieldrin	Endrin	Endosulfan II	pp-DDE	Beta-BHC	Delta-BHC	Alpha-BHC	pp-DDD	pp-DDT	Methoxychlor	Endosulfan Sulfate	Endrin Aldehyde	Endrin Ketone	alpha-Chlordane	gamma-Chlordane
1. 93ZE06R60	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.040 U	0.020 U	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
2. 93ZE06R62	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.040 U	0.020 U	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
3. 93ZE06R64	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.040 U	0.020 U	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
4. 93ZE33S36	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.040 U	0.020 U	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
5. 93ZE33S37	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.040 U	0.020 U	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
6. 93ZE33D37	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.040 U	0.020 U	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
7. 93ZE33S38	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.040 U	0.020 U	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
8. 93ZE33D38	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.040 U	0.020 U	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
9. 93ZE33S39	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.056	0.081	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U
10. 93ZE33D39	0.020 U	0.030 U	0.020 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.020 U	0.020 U	0.020 U	0.020 U	0.065	0.070	0.020 U	0.13 U	0.050 U	0.030 U	0.025 U	0.025 U

Cryptyne Hincock
6-26-93

Form 1D

ENVIRONMENTAL PROTECTION AGENCY, REGION V

DIVISION: Superfund SAMPLING DATE: 5/13/93 ARRIVAL DATE: 5/14/93 ANALYSIS DUE DATE: 6/4/93

DATA SET #: 5F1187 ACTIVITY #: TFA 301 STUDY: H.O.D. Landfill

REPORTING UNITS ARE: ug/L Sample Type: Water, Sediments, Oil, Sludge, Wipes

#	Sample #	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Toxaphene	T-Chlordane	
1.	93ZE06R60	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
2.	93ZE06R62	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
3.	93ZE06R64	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
4.	93ZE33S36	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
5.	93ZE33S37	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
6.	93ZE33D37	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
7.	93ZE33S38	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
8.	93ZE33D38	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
9.	93ZE33S39	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	
10.	93ZE33D39	0.20 u	0.20 u	0.20 u	0.20 u	1.0 u	0.20 u	

Unptyne Mineral
5-27-93

LOCKHEED ESAT CONTRACT
DATA SET CUSTODY TRANSFER FORM

DATA SET NUMBER SF 1187 CHARGE NUMBER 232-51-106

SITE NAME: H.O.D Landfill TID NUMBER 05-93-05-12

PARAMETER: Pesticide/PCB's MATRIX: Water

SF DU/ACT NO: TFA 301 Y _____ /C _____

SAMPLE NUMBERS: 93ZE06R60, 93ZE06R62, 93ZE06R64, 93ZE33S36, 93ZE33S37, 93ZE33S38, 93ZE33D37, 93ZE33D38, 93ZE33S39, 93ZE33D39

NUMBER OF SAMPLES: 10

ESAT APPROVALS:

Krystyna Hinczuk	6-03-93	[illegible]	6-16-93
Analyst	Date	Task Group Leader	Date
[illegible]	6/16/93	[illegible]	6-16-93
QA/QC Coordinator	Date	ESAT Team Manager	Date

COMMENTS: _____

The above identified data set was transferred from ESAT custody to the custody of the U.S. EPA Region V Central Regional Laboratory in its entirety on the indicated date relinquished.

Krystyna Hinczuk	6-16-93	J. Evangelista	6-16-93
Relinquished by	Date	Received by	Date

EPA APPROVALS:

J. Evangelista	7/7/93
EPA Task Monitor	Date

[ ] Reviewed
[ ] Unreviewed
[ ] Accepted
[ ] Rejected
[✓] Returned: 6/22/93 Date

COMMENTS: S39 & D39 - could sulfur be present? Were these samples cleaned-up? Also, hits were reported for S39 but not for D39. Please address/comment.

[illegible]	7/8/93	[ ] Reviewed	[✓] Unreviewed
Section Chief	Date		
[illegible]	7.8.93	____/____/____	
ESAT DPO	Date	DATA COORDINATOR/RECD/TRANSMTD	

A COPY OF THIS CUSTODY TRANSFER FORM WITH A RECEIVED BY EPA SIGNATURE IS TO BE FILED WITH THE AOC IN THE TID FILE. THE ORIGINAL CUSTODY TRANSFER ACCOMPANIES THE DATA SET TO BE APPROVED BY THE EPA AND A COMPLETED COPY RETURNED TO ESAT.

D930001187

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

TFA301 DM1

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/~~12~~ 3/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. LANDFILL PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
93ZE33S36	W7D +MSD		X	X	5-031610-611	5-031614-616
37	U56D		X	X	5-031635-	636
D37	DU56D		X	X	5-031659-	660
93ZE06R60	MWFB01		X	X	5-031678-	679

D93000187

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

TFA301 DM1

DIVISION/BRANCH ARCS/SUPERFUND SAMPLE DATE 5/12/93 LAB ARRIVAL DATE 5/13/93 DUE DATE 6/3/93

DU NUMBER 1187. DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
93ZE33S39	L1 + MSD		X	X	5-031692-693	5-031634-4041
↓ D39	L1D		X	X	5-031705-706	
K 93ZEN6R64	LFB01		X	X		

D93000187 TFA301 DAY 2

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

DIVISION/BRANCH ARCS SUPERFUND SAMPLE DATE 5/13/93 LAB ARRIVAL DATE 5/14/93 DUE DATE 6/28/93 4

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. LANDFILL PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
93ZE33S38	5-0317-45-6-7-8-SW1+MSD		X	X		
↓ D38	SW1D 5-0317-57-758		X	X		
93ZE06R62	SWFB01 5-031766-5-031767		X	X		

D930001187

TFA301 DAY 2

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM: PESTICIDES AND PCB'S

DIVISION/BRANCH ARCS / SUPERFUND SAMPLE DATE 5/13/93 LAB ARRIVAL DATE 5/14/93 DUE DATE 6/4/93

DU NUMBER TFA DATA SET NUMBER 1187 STUDY H.O.D. Landfill PRIORITY — CONTRACTOR — E&E

CRL LOG NUMBER	SAMPLE DESCRIPTION	WATER TRIHALOMETHANES UG/L PES17414	WATER POLYCHLORINATED BIPHENYLS UG/L PES 17144	WATER CHLORINATED PESTICIDES UG/L PES 17134	WATER HERBICIDES UG/L PES 17424	WATER OIL AND GREASE MG/L PES 17439
93ZE33539	L1 + MSD		X	X		
↓ D39	L1D		X	X		
93ZEN6R64	LFBD1 5-013719-720		X	X		

LOCKHEED ENGINEERING & SCIENCES COMPANY

PESTICIDE/PCB DELIVERABLES CHECK-OFF LIST

DATA SET NUMBER: SF1187 CHARGE NUMBER: 232-51-106

PRESENT	NOT REQD	ITEM
[ ]	[X]	SAMPLE REPORT LOG
[X]	[ ]	DATA SET CUSTODY TRANSFER FORM
[ ]	[X]	METHODS PRINTOUT
[X]	[ ]	PESTICIDE RESULTS SUMMARY
[X]	[ ]	PCB RESULTS SUMMARY
[X]	[ ]	NARRATIVE
[X]	[ ]	EXTRACTION/BENCH SHEET
[X]	[ ]	RUN SEQUENCE
[X]	[ ]	SURROGATE RECOVERY
[X]	[ ]	SURROGATE RT %D
[X]	[ ]	LINEARITY CHECK %RSD
[X]	[ ]	PESTICIDE MS/MSD
[X]	[ ]	MS/MSD RAW DATA
[X]	[ ]	ENDRIN BREAKDOWN
[ ]	[X]	SAMPLE TAGS
[X]	[ ]	DDT BREAKDOWN
[X]	[ ]	INSTRUMENT STANDARDS AREAS
[X]	[ ]	ENDRIN/DDT BREAKDOWN RAW DATA
[X]	[ ]	CCV
[X]	[ ]	METHOD BLANK
		QUANTITATION COLUMN (5PT.)
[X]	[ ]	PEST A [CON]LEVEL1-5
[X]	[ ]	PEST B [CON]LEVEL1-5
[ ]	[X]	1016 1 PT. [CONC]
[ ]	[X]	1232 1 PT. [CONC]
[X]	[ ]	1242 [CON] LEVEL1-5
[ ]	[X]	1248 [CON] LEVEL1-5
[ ]	[X]	1254 [CON] LEVEL1-5
[ ]	[X]	1260 [CON] LEVEL1-5
		SECONDARY COLUMN (5PT.)
[X]	[ ]	PEST A[CON] LEVEL1-5
[X]	[ ]	PEST B[CON] LEVEL1-5
[ ]	[X]	1016 1 PT. [CONC]
[ ]	[X]	1232 1 PT. [CONC]
[X]	[ ]	1242 [CON] LEVEL1-5
[ ]	[X]	1248 [CON] LEVEL1-5
[ ]	[X]	1254 [CON] LEVEL1-5
[ ]	[X]	1260 [CON] LEVEL1-5
[ ]	[X]	ARCHIVE REFERENCE
[X]	[ ]	SAMPLE RESULTS & RAW DATA

PART I
FORMS
FOR PESTICIDES AND PCBS

A. **Sample Analysis Request Sheet**

B. **Sample Report Forms**
   - (i) Pesticide
   - (ii) PCBs

C. **Data Set Narrative**

D. **Sample Preparation Bench Sheets**

E. **GC Run Sequence**
   - (i) Primary
   - (ii) Secondary

F. **Internal Standard Response and Retention Time table**
   - (i) Primary
   - (ii) Secondary

G. **Endrin and DDT Degradation Forms**
   - (i) Primary
   - (ii) Secondary

H. **Initial and Continuing Calibration Forms**
   - (i) Standard Pesticide Mix A
     - (a) Primary
     - (b) Secondary
   - (ii) Standard Pesticide Mix B
     - (a) Primary
     - (b) Secondary
   - (iii) Standard Aroclor 1242
     - (a) Primary
     - (b) Secondary

I. **Matrix Spike (AQC) Forms**
   - (i) Primary
   - (ii) Secondary

K. **Surrogate Spike Recovery Form**
   - (i) Primary
   - (ii) Secondary

To: Jay Thakkar EPA RPO

For: Transmittal to Task Monitor: Linda S. Evangelista
EPA Organic Section Leader

Thru: Dennis Miller, ESAT Team Manager

From: Krystyna Minczuk / ESAT Chemist KM

Date: 06/03/93

Subject: Pesticide/PCB Analysis for data set SF 1187
(TID # 05-93-05-12)

Method number: 608DNS Site name: H. O. D Landfill

Date generated: ~~05/13/93~~ 06.03.93 KM Charge Number: 232-51-106

Author: Krystyna Minczuk TID Number: 05-93-05-12

CASE NARRATIVE

Ten (10) water samples were received under chain-of-custody on 05/13/93 for Pesticide/PCB analysis by CRL method 608 DNS. Samples were extracted on 05/19/93. A total of fifteen (15) samples including a method blank, pesticide matrix spike/matrix spike duplicate (MS/MSD) and PCB matrix spike/matrix spike duplicate (MS/MSD) were analyzed on May 25 to May 27, 1993 and an additional sulfur clean-up reanalysis of two (2) samples on June 24,1993. The samples were extracted within the holding time of seven (7) days. The extracts were analyzed within forty (40) days following the extraction. Two samples 93ZE33S39 and 93ZE33D39 (field duplicate) had yellow color with black sediment. The extracts of these samples were yellowish.

After the first analysis, sulfur clean-up with mercury was performed on 06-24-93 for both noted above samples 93ZE33S39 and 93ZE33D39 due to high baselines observed in these samples.
During the clean-up, the mercury turned black indicating the presence of sulfur. However, since not all of the mercury was converted to mercury sulfide during the first clean-up, further clean-up was conducted.

The sulfur clean-up improved baseline of samples 93ZE33S39 and 93ZE33D39 but secondary column baseline indicated some contamination in these samples. (The presence of sulfur and hydrocarbons were found in the GC/MS BNA analysis).
Both analyses results are included for review, but only the final sample results were reported from the 06-24-93 analysis.

GC SYSTEM PERFORMANCE

The Endrin degradation values in primary column (DB-608 megabore capillary) were acceptable at < 10%. The value for 4,4'-DDT on the primary column was greater than 10% with value of 13.8%, 13.7% and 12.8%.

The Endrin degradation value in the secondary column (DB-5 megabore capillary was slightly higher than 10% with values 11.4% for the first Endrin breakdown. The 4,4'-DDT degradation in the secondary column met the QC limit of < 10%.

BLANKS

The method blank and solvent blanks for the samples of SF 1187 did not contain target compounds above CRL Method 608DNS detection limits.

Three (3) field blanks were provided with this data set which was identified as 93ZE06R60, 93ZE06R62 and 93ZE06R64. None of the Pesticide/PCB target compounds were found above the CRL Method 608DNS detection limits in the field blanks.

SURROGATE RECOVERIES

The TCMX surrogate recoveries on the primary column ranged from 22.4% to 57.6%. The secondary column TCMX recoveries are in agreement with the primary column values, ranging from 24.3% to 71.4%.

The DCB surrogate recoveries on the primary column ranged from 35.4% to 90.4%. The secondary column DCB recoveries are in agreement with the primary values, ranging from 35.0% to 88.4%.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Sample 93ZE33S38 was designated as the pesticide and PCB matrix spike/matrix spike duplicate (MS/MSD). The pesticide matrix spike/matrix spike duplicate recoveries from the primary column were all acceptable with exception of a high recovery for Methoxychlor (134%; QC limits 70-130%) in the MSD sample.
The RPDs were also acceptable with the exception of gamma-Chlordane (30.6%; QC limits 30%), Dieldrin (21%; QC limits 20%) and Methoxychlor (21.2%; QC limits 20%).

The results from the secondary column were all acceptable.
Recoveries for Endosulfan Sulfate and 4,4'-DDT in the MS and MSD samples are invalid due to coelution of these pesticides in the secondary column. All RPDs were acceptable.

The PCB matrix spike/matrix spike duplicate recoveries on the primary and secondary columns were within the QC limits.
The RPDs were all also acceptable on the primary and secondary columns.

INTERNAL STANDARD SUMMARY

All samples and standards were quantitated using internal standard methods, with the exception of Pesticide Mix B on the primary column due to coelution of Endrin Ketone with Mirex.

The internal standard (Mirex) area counts on the primary column were within the ± 2 standard deviation (SD) units of the mean, with the exception of Hexane #1 which was low and Endrin #2, Endrin #3 and Pest A L3 #4 which were high.

The internal standard (Mirex) area counts on the secondary column were within the ± 2 standard deviation (SD) units of the mean, with the exception of 93ZE33D39 which was low and Pest A L3 #4, Pest B L3 #4 and 93ZE33S39 Sulfur clean-up which were high.

The % RSD for both the primary (12.73%) and secondary (11.91%) columns were acceptable.

The Mirex retention times on the primary and secondary columns were within ± 2 SD units of the mean. The %RSD of 0.67 on the primary column and 0.14 on the secondary column are acceptable.

INITIAL CALIBRATION

For the primary column, the initial calibration for Pesticide Mix A, Pesticide Mix B and Aroclor 1242 were acceptable with correlation coefficients of 0.995 or higher. The only exception was Heptachlor (0.9926 in Pest A Mix).

For the secondary column, the initial calibration for Pesticide Mix A, Pesticide Mix B and Aroclor 1242 were acceptable with the correlation coefficients of 0.995 or higher.

CONTINUING CALIBRATIONS

Primary Column

Pesticide Mix A: All analytes in the first continuing calibration standard met the CRL QC requirements (RPD ≤ 15%) with the exception of 4,4'-DDT (RPD=16.4%) and Metoxychlor (RPD=21.5%). All analytes in the second continuing calibration standard met the CRL QC limit (RPD ≤ 15%) with the exception of Endrin (16.2%), 4,4'-DDT (RPD=26.9%) and Methoxychlor (RPD=25.6%). All analytes in the third continuing calibration standard met the CRL QC limit (RPD ≤ 15%) with the exception of Endrin (19.4%), 4,4'-DDT (RPD=23.3%) and Methoxychlor (RPD=33.2%). All analytes in the fourth continuing calibration standard met the CRL QC limit (RPD ≤ 15%) with the exception of Endrin (20.9%), 4,4'-DDT (RPD=21.3%) and Methoxychlor (RPD=15.4%).

Pesticide Mix B: All analytes in the first continuing calibration standard met CRL QC requirements (RPD≤ 15%). All analytes in the second continuing calibration standard met the CRL QC limit (RPD ≤ 15%) with the exception of 4,4'-DDD (23.7%) and Endrin Ketone (RPD=16.5%).

All analytes in the third continuing calibration standard met the CRL QC limit (RPD ≤ 15%) with the exception of delta-BHC (17.2%), 4,4'-DDD (RPD=30.0%), Endrin Ketone (RPD=20.8%) and Endosulfan Sulfate (RPD=17.4%). All analytes in the fourth continuing calibration standard met CRL QC requirements (RPD≤ 15%).

Aroclor 1242: All peaks in the continuing calibration standard met the CRL QC requirements (RPD ≤ 15%) except for 1242-3 (RPD=18.2%).

Secondary Column

Pesticide Mix A: All analytes in the first, second and third continuing calibration standard met the CRL QC requirements (RPD ≤ 15%). In the fourth continuing calibration standard all analytes met the QC limit (RPD ≤ 15%) with the exception of Methoxychlor (RPD=31.1%).

Pesticide Mix B: All analytes in the continuing calibration standard met the CRL QC requirements (RPD ≤ 15%).

Aroclor 1242: All peaks met the CRL QC requirements (RPD ≤ 15%) in the continuing calibration standards.

SAMPLE RESULTS

4,4'-DDD and 4,4'-DDT were detected above the CRL detection limit in sample 93ZE33S39 and field duplicate of this sample 93ZE33D39. After performing the sulfur clean-up the values of 0.056 µg/L 4,4'-DDD, 0.081 µg/L 4,4'-DDT and 0.065 µg/L 4,4'-DDD, 0.070 µg/L 4,4'-DDT were reported in samples 93ZE33S39 and 93ZE33D39 respectively. The values of these compounds are from the primary column. The secondary column values for 4,4'-DDT are not in agreement with the primary column due to the elevated base line.

It should be noted that in the original non-compliant run, where samples were run before sulfur clean-up, there were confirmed hits for 4,4'-DDD and 4,4'-DDT in sample 93ZE33S39. The positive hits were also in the field duplicate sample 93ZE33D39 however high differences were observed between primary and secondary column values for these compounds.

No target compounds were detected above the CRL Method 608DNS detection limits in the other samples of this data set.

ENVIRONMENTAL PROTECTION AGENCY, REGION V

ESAT-5-036.1

DIVISION: Superfund SAMPLING DATE: 5/13/93 ARRIVAL DATE: 5/14/93 ANALYSIS DUE DATE: 6/04/93

DATA SET#: SF 1187 ACTIVITY#: TFA 3011 STUDY: H.O.D Landfill

REPORTING UNITS: ug/L SAMPLE TYPE: Water, Sediments, Oil, Sludge, Wipes (Circle Matrix)

Pest/PCB Sample #	93ZE06R60	93ZE06R62	93ZE06R64	93ZE33S36	93ZE33S37
γ-BHC Lindane	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Heptachlor	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Aldrin	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Heptachlor Epoxide	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Endosulfan I	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Dieldrin	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Endrin	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Endosulfan II	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
p,p'-DDE	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
ß-BHC	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
δ-BHC	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
α-BHC	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
p,p'-DDD	0.040 U	0.040 U	0.040 U	0.040 U	0.040 U
p,p'-DDT	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Methoxychlor	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Endosulfan Sulfate	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Endrin Aldehyde	0.05 U	0.05 U	0.050 U	0.050 U	0.050 U
Endrin Ketone	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
α-Chlorodane	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
γ-Chlorodane	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Aroclor 1242	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor 1248	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor 1254	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor 1260	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toxaphene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tech. Chlordane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

ENVIRONMENTAL PROTECTION AGENCY, REGION V

ESAT-5-036.1

DIVISION: Superfund SAMPLING DATE: 5/13/93 ARRIVAL DATE: 5/14/93 ANALYSIS DUE DATE: 6/04/93

DATA SET#: SF 1187 ACTIVITY#: TFA 3011 STUDY: H.O.D Landfill

REPORTING UNITS: ug/L SAMPLE TYPE: Water, Sediments, Oil, Sludge, Wipes (Circle Matrix)

Pest/PCB Sample #	93ZE33D37	93ZE33S38	93ZE33D38	93ZE33S39	93ZE33D39
γ-BHC Lindane	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
H9eptachlor	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
Aldrin	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Heptachlor Epoxide	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Endosulfan I	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Dieldrin	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Endrin	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Endosulfan II	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
p,p'-DDE	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
ß-BHC	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
δ-BHC	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
α-BHC	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
p,p'-DDD	0.040 U	0.040 U	0.040 U	0.056	0.065
p,p'-DDT	0.020 U	0.020 U	0.020 U	0.081	0.070
Methoxychlor	0.020 U	0.020 U	0.020 U	0.020 U	0.020 U
Endosulfan Sulfate	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U
Endrin Aldehyde	0.05 U	0.05 U	0.050 U	0.050 U	0.050 U
Endrin Ketone	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U
α-Chlorodane	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
γ-Chlorodane	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Aroclor 1242	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor 1248	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor 1254	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Aroclor 1260	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Toxaphene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tech. Chlordane	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

FORM 1C
PCB/PESTICDE EXTRACTION

DATA SET(S) SF1197 DATE EXTRACTED 5-19-93

SAMPLE TYPE(S) Water DATE CONCENTRATED 5-20-93

EXTRACTION SYSTEM Sep. Funnel DATE COMPLETED 5-21-93

SOLVENT SYSTEM $MeCl_2$ VOLUMES USED 3 x 60 mls

SAMPLE NUMBER	SAMPLE AMOUNT	pH	CON. EXTRACT	DILUTION 1ST	DILUTION 2ND	DILUTION 3RD	FINAL VOLUME	INSTDS MRX/OTHER
Meth. blank	1000	5.5					10 ml	
93ZE06R60	1010	5.5					↓	
R62	1050	5.5						
R64	980	5.5						
93ZE33S36	940	6.0						
S37	1000	6.0						
D37	1000	6.0						
S38	1000	6.0						
D38	1020	6.0						
* S39	1030	7.0						
* D39	1025	7.0						
S38 Pest MS	1000	6.0						
S38 Pest MSD	950	6.0						
S38 PCB MS	1050	6.0						
S38 PCB MSD	1050	6.0						

* Both sample yellow with black sediment.

SAMPLE DESCRIPTION	CONCENTRATION OF SOLUTION	VOLUME OF SPIKE	PREPARATION DATE	COMMENTS
PESTICIDE SPIKE SOLN		1000 µL	11/91	
PCB SPIKE SOLUTION		1000 µl	11/91	
SURROGATES: TCMX/DCB		1000 µl	11/91	

PREP. CHEMIST R. Wenig K. Hinczak ANALYST Krystyna Hinczak

DATE 5-19-93 to 5-21-93 DATE 6-02-93

Data set : SF 1187
Task no : 232-51-106

PRIMARY COLUMN

SEQUENCE RECORDED IN J:1HOD.SEQ

	SAMPLE NAME	METHOD NAME	DATA FILE	AMOUNT INJECTED	INT.STD. AMOUNT	DILUTION FACTOR	SAMPLE WEIGHT
1	HEXANE #1	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
2	END DEG #1	J:1ENDBD	J:1HOD	1.0000	1.0000	1.00	1.000
3	DDT DEG #1	J:1DDTBD	J:1HOD	1.0000	1.0000	1.00	1.000
4	PEST A L1	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
5	PEST A L2	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
6	PEST A L3	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
7	PEST A L4	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
8	PEST A L5	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
9	PEST B L1	J:1PESTB	J:1HOD	1.0000	1.0000	1.00	1.000
10	PEST B L2	J:1PESTB	J:1HOD	1.0000	1.0000	1.00	1.000
11	PEST B L3	J:1PESTB	J:1HOD	1.0000	1.0000	1.00	1.000
12	PEST B L4	J:1PESTB	J:1HOD	1.0000	1.0000	1.00	1.000
13	PEST B L5	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
14	1242 L1	J:1_1242	J:1HOD	1.0000	1.0000	1.00	1.000
15	1242 L2	J:1_1242	J:1HOD	1.0000	1.0000	1.00	1.000
16	1242 L3	J:1_1242	J:1HOD	1.0000	1.0000	1.00	1.000
17	1242 L4	J:1_1242	J:1HOD	1.0000	1.0000	1.00	1.000
18	1242 L5	J:1_1242	J:1HOD	1.0000	1.0000	1.00	1.000
19	END DEG #2	J:1ENDBD	J:1HOD	1.0000	1.0000	1.00	1.000
20	DDT DEG 32	J:1DDTBD	J:1HOD	1.0000	1.0000	1.00	1.000
21	HEXANE #2	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
22	SF 1187 METHOD BLANK	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.000
23	93ZE06R60 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.010
24	93ZE06R62 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.050
25	93ZE06R64 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	0.980
26	93ZE33S39 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	0.940
27	PEST A L3 #1	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
28	PEST B L3 #1	J:1PESTB	J:1HOD	1.0000	1.0000	1.00	1.000
29	1242 L3 #1	J:1_1242	J:1HOD	1.0000	1.0000	1.00	1.000
30	93ZE33S37 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.000
31	93ZE33D37 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.000
32	93ZE33S38 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.000
33	93ZE33D38 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.020
34	93ZE33S39 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.030
35	PEST A L3 #2	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
36	PEST B L3 #2	J:1PESTB	J:1HOD	1.0000	1.0000	1.00	1.000
37	1242 L3 #2	J:1_1242	J:1HOD	1.0000	1.0000	1.00	1.000
38	93ZE33D39 SF 1187	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.250
39	93ZE33S38 PEST MS	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	1.250
40	93ZE33S38 PEST MSD	J:1PESTAI	J:1HOD	1.0000	1.0000	10.00	0.950
41	93ZE33S38 PCB MS	J:1_1242	J:1HOD	1.0000	1.0000	10.00	1.050
42	93ZE33S38 PCB MSD	J:1_1242	J:1HOD	1.0000	1.0000	10.00	1.050
43	PEST A L3 #3	J:1PESTAI	J:1HOD	1.0000	1.0000	1.00	1.000
44	PEST B L3 #3	J:1PESTB	J:1HOD	1.0000	1.0000	1.00	1.000
45	1242 L3 #3	J:1_1242	J:1HOD	1.0000	1.0000	1.00	1.000
46	END DEG #3	J:1ENDBD	J:1HOD	1.0000	1.0000	1.00	1.000
47	DDT DEG 33	J:1DDTBD	J:1HOD	1.0000	1.0000	1.00	1.000
48	PEST A L3 #4	J:1PESTAK	J:1HOD	1.0000	1.0000	1.00	1.000
49	PEST B L3 #4	J:1PESTBK	J:1HOD	1.0000	1.0000	1.00	1.000
50	93ZE33S39 SULFUR CLE	J:1PESTAK	J:1HOD	1.0000	1.0000	10.00	1.030
51	93ZE33D39 SULFUR CLE	J:1PESTAK	J:1HOD	1.0000	1.0000	10.00	1.025

Dataset : SF1187
Task no : 232-51-106

SECONDARY COLUMN

SEQUENCE RECORDED IN J:2HOD.SEQ

	SAMPLE NAME	METHOD NAME	DATA FILE	AMOUNT INJECTED	INT.STD. AMOUNT	DILUTION FACTOR	SAMPLE WEIGHT
1	NO INJECTION	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
2	HEXANE #1	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
3	END DEG #1	J:2ENDBD	J:2HOD	1.0000	1.0000	1.00	1.000
4	DDT DEG #1	J:2DDTBD	J:2HOD	1.0000	1.0000	1.00	1.000
5	PEST A L1	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
6	PEST A L2	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
7	PEST A L3	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
8	PEST A L4	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
9	PEST A L5	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
10	PEST B L1	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
11	PEST B L2	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
12	PEST B L3	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
13	PEST B L4	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
14	PEST B L5	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
15	1242 L1	J:2_1242	J:2HOD	1.0000	1.0000	1.00	1.000
16	1242 L2	J:2_1242	J:2HOD	1.0000	1.0000	1.00	1.000
17	1242 L3	J:2_1242	J:2HOD	1.0000	1.0000	1.00	1.000
18	1242 L4	J:2_1242	J:2HOD	1.0000	1.0000	1.00	1.000
19	1242 L5	J:2_1242	J:2HOD	1.0000	1.0000	1.00	1.000
20	END DEG #2	J:2ENDBD	J:2HOD	1.0000	1.0000	1.00	1.000
21	DDT DEG #2	J:2DDTBD	J:2HOD	1.0000	1.0000	1.00	1.000
22	HEXANE #2	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
23	SF 1187 METHOD BLANK	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	1.000
24	93ZE06R60 SF 1187	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	1.010
25	93ZE06R62 SF 1187	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	1.050
26	93ZE06R64 SF 1187	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	0.980
27	93ZE33S36 SF 1187	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	0.940
28	PEST A L3 #1	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
29	PEST B L3 #1	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
30	1242 L3 #1	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
31	93ZE33S37 SF 1187	J:2PESTBI	J:2HOD	1.0000	1.0000	10.00	1.000
32	93ZE33D37 SF 1187	J:2PESTBI	J:2HOD	1.0000	1.0000	10.00	1.000
33	93ZE33S38 SF 1187	J:2PESTBI	J:2HOD	1.0000	1.0000	10.00	1.000
34	93ZE33D38 SF 1187	J:2PESTBI	J:2HOD	1.0000	1.0000	10.00	1.020
35	93ZE33S39 SF 1187	J:2PESTBI	J:2HOD	1.0000	1.0000	10.00	1.030
36	PEST A L3 #2	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
37	PEST B L3 #2	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
38	1242 L3 #2	J:2_1242	J:2HOD	1.0000	1.0000	1.00	1.000
39	93ZE33D39 SF 1187	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	1.025
40	93ZE33S38 PEST MS	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	1.025
41	93ZE33S38 PEST MSD	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	0.950
42	93ZE33S38 PCB MS	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	1.050
43	93ZE33S38 PCB MSD	J:2PESTAI	J:2HOD	1.0000	1.0000	10.00	1.050
44	PEST A L3 #3	J:2PESTAI	J:2HOD	1.0000	1.0000	1.00	1.000
45	PEST B L3 #3	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
46	1242 L3 #3	J:2_1242	J:2HOD	1.0000	1.0000	1.00	1.000
47	END DEG #3	J:2ENDBD	J:2HOD	1.0000	1.0000	1.00	1.000
48	DDT DEG #3	J:2DDTBD	J:2HOD	1.0000	1.0000	1.00	1.000
49	PEST A L3 #4	J:2PESTA	J:2HOD	1.0000	1.0000	1.00	1.000
50	PEST B L3 #4	J:2PESTBI	J:2HOD	1.0000	1.0000	1.00	1.000
51	93ZE33S39 SULFUR CLE	J:2PESTBI	J:2HOD	1.0000	1.0000	10.00	1.030
52	93ZE33D39 SULFUR CLE	J:2PESTBI	J:2HOD	1.0000	1.0000	10.00	1.025

INTERNAL STANDARD SUMMARY

DATASET: SF 1187 DATE: 05-31-93

PRIMARY COLUMN SAMPLE ID	FILE NAME	AREA	MIREX RT	CONFIRMATORY COLUMN SAMPLE ID	FILE NAME	AREA	MIREX RT
HEXANE #1	1HOD1	95179	21.02	HEXANE #1	2HOD2	362981	18.80
END DEG #1	1HOD2	162680	21.00	END DEG #1	2HOD3	406848	18.78
DDT #1	1HOD3	137610	21.00	DDT #1	2HOD4	455229	18.80
PEST A L1	1HOD4	145004	21.00	PEST A L1	2HOD5	463697	18.80
PEST A L2	1HOD5	150866	21.00	PEST A L2	2HOD6	464385	18.78
PEST A L3	1HOD6	159529	20.99	PEST A L3	2HOD7	471803	18.78
PEST A L4	1HOD7	166266	20.99	PEST A L4	2HOD8	479344	18.80
PEST A L5	1HOD8	174311	21.00	PEST A L5	2HOD9	488838	18.80
PEST B L1	1HOD9			PEST B L1	2HOD10	477271	18.78
PEST B L2	1HOD10			PEST B L2	2HOD11	481618	18.78
PEST B L3	1HOD11			PEST B L3	2HOD12	477312	18.80
PEST B L4	1HOD12			PEST B L4	2HOD13	477580	18.78
PEST B L5	1HOD13			PEST B L5	2HOD14	478328	18.78
1242 L1	1HOD14	152658	20.99	1242 L1	2HOD15	462375	18.80
1242 L2	1HOD15	160437	21.00	1242 L2	2HOD16	487089	18.80
1242 L3	1HOD16	160963	21.02	1242 L3	2HOD17	482608	18.80
1242 L4	1HOD17	164199	21.02	1242 L4	2HOD18	489669	18.80
1242 L5	1HOD18	165826	21.02	1242 L5	2HOD19	494858	18.80
END DEG #2	1HOD19	211204	21.02	END DEG #2	2HOD20	492548	18.81
DDT DEG #2	1HOD20	160246	21.02	DDT DEG #2	2HOD21	470604	18.81
HEXANE #2	1HOD21	140177	21.02	HEXANE #2	2HOD22	417524	18.81
SF 1187 METHOD BLANK	1HOD22	162057	21.02	SF 1187 METHOD BLANK	2HOD23	476078	18.80
93ZE06R60 SF 1187	1HOD23	160550	21.00	93ZE06R60 SF 1187	2HOD24	471549	18.80
93ZE06R62 SF 1187	1HOD24	157438	21.02	93ZE06R62 SF 1187	2HOD25	466602	18.80
93ZE06R64 SF 1187	1HOD25	158326	21.00	93ZE06R64 SF 1187	2HOD26	466999	18.78
93ZE33S36 SF 1187	1HOD26	163176	21.00	93ZE33S36 SF 1187	2HOD27	478565	18.78
PEST A L3 #1	1HOD27	174745	21.00	PEST A L3 #1	2HOD28	491438	18.78
PEST B L3 #1	1HOD28			PEST B L3 #1	2HOD29	477802	18.78
1242 L3 #1	1HOD29	166611	20.99	1242 L3 #1	2HOD30	492465	18.78
93ZE33S37 SF 1187	1HOD30	172844	20.99	93ZE33S37 SF 1187	2HOD31	474494	18.78
93ZE33D37 SF 1187	1HOD31	163020	20.99	93ZE33D37 SF 1187	2HOD32	475490	18.78
93ZE33S38 SF 1187	1HOD32	172701	20.99	93ZE33S38 SF 1187	2HOD33	481772	18.78
93ZE33D38 SF 1187	1HOD33	167329	20.99	93ZE33D38 SF 1187	2HOD34	472707	18.78
93ZE33S39 SF 1187	1HOD34	148233	21.00	93ZE33S39 SF 1187	2HOD35	395851	18.76
PEST A L3 #2	1HOD35	158353	20.99	PEST A L3 #2	2HOD36	414820	18.76
PEST B L3 #2	1HOD36			PEST B L3 #2	2HOD37	454160	18.76
1242 L3 #2	1HOD37	166313	20.99	1242 L3 #2	2HOD38	473839	18.76
93ZE33D39 SF 1187	1HOD38	133474	20.99	93ZE33D39 SF 1187	2HOD39	271035	18.75
93ZE33S38 PEST MS	1HOD39	160275	20.97	93ZE33S38 PEST MS	2HOD40	455826	18.75
93ZE33S38 PEST MSD	1HOD40	175668	20.95	93ZE33S38 PEST MSD	2HOD41	456754	18.75
93ZE33S38 PCB MS	1HOD41	168134	20.95	93ZE33S38 PCB MS	2HOD42	475860	18.75
93ZE33S38 PCB MSD	1HOD42	168409	20.95	93ZE33S38 PCB MSD	2HOD43	482822	18.75
PEST A L3 #3	1HOD43	167928	20.95	PEST A L3 #3	2HOD44	453964	18.75
PEST B L3 #3	1HOD44			PEST B L3 #3	2HOD45	463984	18.75
1242 L3 #3	1HOD45	168241	20.95	1242 L3 #3	2HOD46	478907	18.75

INTERNAL STANDARD SUMMARY

DATASET: SF 1187 DATE: 05-31-93

PRIMARY COLUMN				CONFIRMATORY COLUMN			
SAMPLE ID	FILE NAME	AREA	MIREX RT	SAMPLE ID	FILE NAME	AREA	MIREX RT
END DEG #3	1HOD46	203193	20.95	END DEG #3	2HOD47	476716	18.75
DDT DEG #3	1HOD47	165462	20.95	DDT DEG #3	2HOD48	471539	18.75
PEST A L3 #4	1HOD48	224870	20.90	PEST A L3 #4	2HOD49	621083	18.71
PEST B L3 #4	1HOD49			PEST B L3 #4	2HOD50	672914	18.71
93ZE33S39 SULFUR CLEAN-UP	1HOD50	202959	20.89	93ZE33S39 SULFUR CLEAN-UP	2HOD51	621482	18.71
93ZE33D39 SULFUR CLEAN-UP	1HOD51	184881	20.10	93ZE33D39 SULFUR CLEAN-UP	2HOD52	467855	18.71

INTERNAL STANDARD SUMMARY

DATASET: SF 1187 DATE: 05-31-93

PRIMARY COLUMN SAMPLE ID	FILE NAME	AREA	MIREX RT	CONFIRMATORY COLUMN SAMPLE ID	FILE NAME	AREA	MIREX RT
	SD(N-1)	20982	0.14		SD(N-1)	56319	0.03
	SD(N)	20731	0.14		SD(N)	55764	0.03
	MEAN	164818	20.97		MEAN	472900	18.77
	MIN	95179	20.10		MIN	271035	18.71
	MAX	224870	21.02		MAX	672914	18.81
	COUNT	42	42		COUNT	51	51
	2*SD(N-1)	41964	0.28		2*SD(N-1)	112637	0.05
	HIGH	206781	21.25		HIGH	585537	18.83
	LOW	122854	20.69		LOW	360263	18.72
	%RSD(N-1)	12.73	0.67		%RSD(N-1)	11.91	0.14

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

ENDRIN AND DDT DEGRADATION

DATA SET: SF 1187 DATA SET NAME: H.O.D LANDFILL

DATE: 05-31-93 COLUMN TYPE: CAPILLARY DB-608 GC # 5

$$\text{PERCENT ENDRIN DEGRADATION} = \frac{\text{AREA OF END ALD + END KETONE}}{\text{AREA OF END ALD + END KET + ENDRIN}} \times 100$$

CALIBRATION	DATE ANALYZED	FILE NAME	AREA OF END ALD	AREA OF END KET	AREA OF ENDRIN	% DEG
INITIAL	05-25-93	1HOD2	50793	0	518426	8.9
CONTINUING	05-26-93	1HOD19	62866	0	620187	9.2
CONTINUING	05-26-93	1HOD46	54275	0	713602	7.1

$$\text{PERCENT DDT DEGRADATION} = \frac{\text{AREA OF DDE + DDD}}{\text{AREA OF DDE + DDD + DDT}} \times 100$$

CALIBRATION	DATE ANALYZED	FILE NAME	AREA OF DDE	AREA OF DDD	AREA OF DDT	% DEG
INITIAL	05-25-93	1HOD3	17976	43540	388204	13.7
CONTINUING	05-26-93	1HOD20	21370	60337	510294	13.8
CONTINUING	05-27-93	1HOD47	12855	70989	569321	12.8

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

ENDRIN AND DDT DEGRADATION

DATA SET: SF 1187 DATA SET NAME: H.O.D LANDFILL

DATE: 06-01-93 COLUMN TYPE: CAPILLARY DB-5 GC # 5

$$\text{PERCENT ENDRIN DEGRADATION} = \frac{\text{AREA OF END ALD + END KETONE}}{\text{AREA OF END ALD + END KET + ENDRIN}} \times 100$$

CALIBRATION	DATE ANALYZED	FILE NAME	AREA OF END ALD	AREA OF END KET	AREA OF ENDRIN	% DEG
INITIAL	05-25-93	2HOD3	139828	116146	1985716	11.4
CONTINUING	05-26-93	2HOD20	154971	95361	2152370	10.4
CONTINUING	05-27-93	2HOD47	79445	62584	2289324	5.8

$$\text{PERCENT DDT DEGRADATION} = \frac{\text{AREA OF DDE + DDD}}{\text{AREA OF DDE + DDD + DDT}} \times 100$$

CALIBRATION	DATE ANALYZED	FILE NAME	AREA OF DDE	AREA OF DDD	AREA OF DDT	% DEG
INITIAL	05-25-93	2HOD4	53192	104129	1728561	8.3
CONTINUING	05-26-93	2HOD21	47964	70988	1899638	5.9
CONTINUING	05-27-93	2HOD48	31306	129776	1863802	8.0

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

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INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 1187 DATE: 05-28-93

GC#/COLUMN TYPE: 5 / MEGABORE,DB608 VERSION #: 327

STANDARD NAME: PESTICIDE MIX A (LEVEL 3)

COMPOUND	FILENAME 1H0D6 INITIAL AREA	FILENAME 1H0D27 CONTINUING AREA-1	RPD	FILENAME 1H0D35 CONTINUING AREA-2	RPD	FILENAME 1H0D43 CONTINUING AREA-3	RPD	FILENAME 1H0D48 CONTINUING AREA-4	RPD
ALPHA-BHC	141368	147266	4.1	153754	8.4	160409	12.6	133932	5.4
LINDANE	124627	132051	5.8	138079	10.2	144013	14.4	116440	6.8
HEPTACHLOR	101589	116164	13.4	113083	10.7	109017	7.1	100295	1.3
ALDRIN	112147	117848	5.0	121027	7.6	122710	9.0	116431	3.7
HEPTACHLOR EPOXIDE	114860	120185	4.5	119483	3.9	124984	8.4	112147	2.4
ENDOSULFAN I	162547	166057	2.1	167801	3.2	172409	5.9	163015	0.3
DIELDRIN	151112	164590	8.5	167383	10.2	174605	14.4	138328	8.8
ENDRIN	99995	109938	9.5	117595	16.2	121482	19.4	123365	20.9
ENDOSULFAN II	194291	206568	6.1	216834	11.0	216296	10.7	208687	7.1
4,4'-DDT	108418	127792	16.4	142083	26.9	137039	23.3	134269	21.3
METHOXYCHLOR	55456	68797	21.5	71742	25.6	77531	33.2	64712	15.4

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

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INITIAL AND CONTINUING CALIBRATION FORM

DATA SET : SF 1187 DATE: 05-31-93

GC#/COLUMN TYPE: 5 / MEGABORE CAPILLARY DB-5 VERSION #: 318

STANDARD NAME: PESTICIDE MIX A (LEVEL 3)

COMPOUND	FILENAME 2H0D7	FILENAME 2H0D28		FILENAME 2H0D36		FILENAME 2H0D44		FILENAME 2H0D49	
	INITIAL AREA	CONTINUING AREA-1	RPD	CONTINUING AREA-2	RPD	CONTINUING AREA-3	RPD	CONTINUING AREA-4	RPD
ALPHA-BHC	364277	362606	0.5	363328	0.3	380177	4.3	382560	4.9
LINDANE	330785	329334	0.4	328819	0.6	342357	3.4	344559	4.1
HEPTACHLOR	372007	388928	4.4	370233	0.5	358058	3.8	375019	0.8
ALDRIN	300842	301345	0.2	287820	4.4	299495	0.4	308462	2.5
HEPTACHLOR EPOXIDE	334869	338869	1.2	290793	14.1	332464	0.7	343318	2.5
ENDOSULFAN I	445064	447744	0.6	481787	7.9	448792	0.8	464015	4.2
DIELDRIN	497542	503207	1.1	502841	1.1	499295	0.4	514451	3.3
ENDRIN	375383	398882	6.1	414686	9.9	397705	5.8	388635	3.5
ENDOSULFAN II	585919	625183	6.5	619821	5.6	613336	4.6	628485	7.0
4,4'-DDT	456193	490692	7.3	455342	0.2	439647	3.7	452187	0.9
METHOXYCHLOR	284300	318683	11.4	297984	4.7	296091	4.1	207886	31.1

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

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INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 1187 DATE: 05-28-93

GC#/COLUMN TYPE: 5 / MEGABORE DB-608 VERSION #: 558

STANDARD NAME: PESTICIDE MIX B (LEVEL 3)

COMPOUND	FILENAME 1H0D11 INITIAL AREA	FILENAME 1H0D28 CONTINUING AREA-1	RPD	FILENAME 1H0D36 CONTINUING AREA-2	RPD	FILENAME 1H0D44 CONTINUING AREA-3	RPD	FILENAME 1H0D49 CONTINUING AREA-4	RPD
TCMX	240714	244719	1.7	251199	4.3	257814	6.9	250674	4.1
BETA-BHC	109665	118628	7.9	123298	11.7	127591	15.1	113223	3.2
DELTA-BHC	118662	126572	6.5	135889	13.5	141051	17.2	125979	6.0
GAMMA-CHLORDANE	226660	233105	2.8	234552	3.4	238306	5.0	244844	7.7
ALPHA-CHLORDANE	226920	235756	3.8	238518	5.0	242321	6.6	246793	8.4
4,4'-DDE	180829	193321	6.7	201887	11.0	207326	13.7	194247	7.2
4,4'-DDD	101565	116782	13.9	128932	23.7	137410	30.0	98102	3.5
ENDRIN ALDEHYDE	197857	216911	9.2	233391	16.5	243672	20.8	203133	2.6
ENDOSULFAN SULFATE	183072	194939	6.3	210888	14.1	217969	17.4	205132	11.4
DCB	405946	427312	5.1	433733	6.6	441125	8.3	464810	13.5

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

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INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 1187 DATE: 06-01-93

GC#/COLUMN TYPE: 5 / MEGABORE CAPILLARY DB-5 VERSION #: 602

STANDARD NAME: PESTICIDE MIX B (LEVEL 3)

COMPOUND	FILENAME 2H0D12 INITIAL AREA	FILENAME 2H0D29 CONTINUING AREA-1	RPD	FILENAME 2H0D37 CONTINUING AREA-2	RPD	FILENAME 2H0D45 CONTINUING AREA-3	RPD	FILENAME 2H0D50 CONTINUING AREA-4	RPD
TCMX	526452	523600	0.5	529732	0.6	538711	2.3	588045	11.1
BETA-BHC	257213	255623	0.6	257423	0.1	260551	1.3	285552	10.4
DELTA-BHC	307933	310099	0.7	326793	5.9	334987	8.4	352026	13.4
GAMMA-CHLORDANE	597801	598126	0.1	561911	6.2	592029	1.0	674373	12.0
ALPHA-CHLORDANE	587898	598120	1.7	565117	4.0	595039	1.2	675477	13.9
4,4'-DDE	472862	475245	0.5	480793	1.7	491100	3.8	529314	11.3
4,4'-DDD	393182	396413	0.8	405000	3.0	411369	4.5	400489	1.8
ENDRIN ALDEHYDE	555269	560440	0.9	507554	9.0	566016	1.9	610278	9.4
ENDOSULFAN SULFATE	444925	449660	1.1	439566	1.2	488247	9.3	499985	11.7
ENDRIN KETONE	664967	672600	1.1	685965	3.1	694998	4.4	751219	12.2
DCB	1223514	1240475	1.4	1193443	2.5	1225336	0.1	1362718	10.8

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

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INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 1187 DATE: 05-28-93

GC#/COLUMN TYPE: 5 / MEGABORE CAPILLARY DB-608 VERSION #: 412

STANDARD NAME: AROCLOR 1242 (LEVEL 3)

COMPOUND	FILENAME 1H0D16 INITIAL AREA	FILENAME 1H0D29 CONTINUING AREA-1	RPD	FILENAME 1H0D37 CONTINUING AREA-2	RPD	FILENAME 1H0D45 CONTINUING AREA-3	RPD
1242-1	500392	512684	2.4	552804	0.0	558913	11.0
1242-2	215659	198982	8.0	234381	8.3	217359	0.8
1242-3	85332	91482	7.0	95797	11.6	102428	18.2
1242-4	201262	205175	1.9	219481	8.7	230357	13.5
1242-5	152205	159550	4.7	169081	10.5	173716	13.2

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

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INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 1187 DATE: 05-31-93

GC#/COLUMN TYPE: 5 / MEGABORE CAPILLARY DB-5 VERSION #: 358

STANDARD NAME: AROCLOR 1242 (LEVEL 3)

COMPOUND	FILENAME 2H0D17 INITIAL AREA	FILENAME 2H0D30 CONTINUING AREA-1	RPD	FILENAME 2H0D38 CONTINUING AREA-2	RPD	FILENAME 2H0D46 CONTINUING AREA-3	RPD
1242-1	632916	635191	0.4	648687	2.5	651881	3.0
1242-2	345296	347177	0.5	353335	2.3	348142	0.8
1242-3	445900	457378	2.5	456449	2.3	456049	2.3
1242-4	301173	296528	1.6	308253	2.3	305776	1.5
1242-5	339431	339814	0.1	351140	3.4	330873	2.6

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CENTRAL REGIONAL LABORATORY, REGION V
AQC
MEGABORE CAPILLARY DB-608

DATE SET: SF 1187 DATE: 05-31-93
SAMPLE: 93ZE33S38

COMPOUND	SAMPLE RESULT	SPIKE ADDED	SPIKE RESULT	SPIKE DUP RESULT	% RPD	SPIKE %REC.	SPIKE DUP %REC
LINDANE	0.000	0.150	0.119	0.133	10.5	80	88
HEPTACHLOR	0.000	0.150	0.104	0.132	23.8	69	88
ALDRIN	0.000	0.150	0.105	0.129	20.3	70	86
g-CHLORDANE	0.000	0.200	0.132	0.180	30.6	66	90
ENDOSULFAN I	0.000	0.200	0.158	0.194	20.4	79	97
4,4'-DDD	0.000	0.200	0.184	0.247	29.6	92	124
DIELDRIN	0.000	0.200	0.160	0.199	21.6	80	100
ENDRIN	0.000	0.200	0.178	0.217	20.1	89	109
ENDRIN ALDEHYDE	0.000	0.350	0.289	0.379	27.1	82	108
4,4'-DDT	0.000	0.350	0.359	0.417	15.0	103	119
ENDOSULFAN SULFATE	0.000	0.350	0.299	0.395	27.5	86	113
METHOXYCHLOR	0.000	0.375	0.407	0.504	21.2	109	134
AROCLOR 1242	0.00	3.00	2.61	2.98	13.3	87	99

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CENTRAL REGIONAL LABORATORY, REGION V
AQC
MEGABORE CAPILLARY DB-5

DATE SET: SF 1187 DATE: 05-31-93
SAMPLE: 93ZE33S38

COMPOUND	SAMPLE RESULT	SPIKE ADDED	SPIKE RESULT	SPIKE DUP RESULT	% RPD	SPIKE %REC.	SPIKE DUP %REC
LINDANE	0.000	0.150	0.137	0.148	7.8	91	99
HEPTACHLOR	0.000	0.150	0.106	0.114	7.3	71	76
ALDRIN	0.000	0.150	0.144	0.140	2.5	96	94
g-CHLORDANE	0.000	0.200	0.168	0.171	1.6	84	86
ENDO I	0.000	0.200	0.210	0.208	1.2	105	104
4,4'-DDD	0.000	0.200	0.219	0.219	0.0	109	110
DIELDRIN	0.000	0.200	0.189	0.187	0.9	94	93
ENDRIN	0.000	0.200	0.226	0.231	2.3	113	115
ENDRIN ALDEHYDE	0.000	0.350	0.356	0.333	6.8	102	95
4,4'-DDT	0.000	0.350	* 0.668	* 0.730	8.9	191	209
ENDOSULFAN SULFATE	0.000	0.350	* 0.689	* 0.753	8.9	197	215
METHOXYCHLOR	0.000	0.375	0.370	0.417	11.9	99	111
AROCLOR 1242	0.00	3.00	2.38	2.53	6.4	79	84

* 4,4'-DDT co-elutes with Endosulfan Sulfate

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

TCMX SURROGATE RECOVERY

DATA SET NO: SF 1187 DATE: 05-31-93

		PRIMARY COLUMN		SECONDARY COLUMN	
SAMPLE NAME	AMOUNT ADDED	AMOUNT FOUND	PERCENT RECOVERY	AMOUNT FOUND	PERCENT RECOVERY
SF 1187 METHOD BLANK	0.310	0.129	41.5	0.130	41.9
SF 1187 93ZE06R60	0.310	0.111	35.7	0.117	37.7
SF 1187 93ZE06R62	0.310	0.088	28.5	0.097	31.3
SF 1187 93ZE06R64	0.310	0.117	37.8	0.123	39.7
SF 1187 93ZE33S36	0.310	0.105	33.7	0.105	33.9
SF 1187 93ZE33S37	0.310	0.094	30.5	0.097	31.2
SF 1187 93ZE33D37	0.310	0.084	27.2	0.086	27.9
SF 1187 93ZE33S38	0.310	0.093	29.9	0.098	31.5
SF 1187 93ZE33D38	0.310	0.078	25.2	0.086	27.6
SF 1187 93ZE33S39	0.310	0.116	37.4	0.159	51.4
SF 1187 93ZE33D39	0.310	0.135	43.5	0.221	71.4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

TCMX SURROGATE RECOVERY

DATA SET NO: SF 1187 DATE: 05-31-93

		PRIMARY COLUMN		SECONDARY COLUMN	
SAMPLE NAME	AMOUNT ADDED	AMOUNT FOUND	PERCENT RECOVERY	AMOUNT FOUND	PERCENT RECOVERY
SF 1187 93ZE33S38 PEST MS	0.310	0.133	42.9	0.176	56.8
SF 1187 93ZE33S38 PEST MSD	0.310	0.179	57.6	0.182	58.6
SF 1187 93ZE33S38 PCB MS	0.310	0.069	22.4	0.076	24.6
SF 1187 93ZE33S38 PCB MSD	0.310	0.076	24.4	0.081	26.0
SF 1187 93ZE33S39 SULFUR CL	0.310	0.084	26.9	0.075	24.3
SF 1187 93ZE33D39 SULFUR CL	0.310	0.070	22.5	0.079	25.6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

DCB SURROGATE RECOVERY

DATA SET NO: SF 1187 DATE: 05-31-93

SAMPLE NAME	AMOUNT ADDED	PRIMARY COLUMN AMOUNT FOUND	PRIMARY COLUMN PERCENT RECOVERY	SECONDARY COLUMN AMOUNT FOUND	SECONDARY COLUMN PERCENT RECOVERY
SF 1187 METHOD BLANK	0.250	0.209	83.7	0.211	84.4
SF 1187 93ZE06R60	0.250	0.215	85.8	0.218	87.2
SF 1187 93ZE06R62	0.250	0.194	77.7	0.204	81.4
SF 1187 93ZE06R64	0.250	0.201	80.3	0.209	83.8
SF 1187 93ZE33S36	0.250	0.220	88.0	0.218	87.0
SF 1187 93ZE33S37	0.250	0.218	87.0	0.215	86.1
SF 1187 93ZE33D37	0.250	0.222	88.9	0.221	88.4
SF 1187 93ZE33S38	0.250	0.200	80.1	0.195	77.8
SF 1187 93ZE33D38	0.250	0.199	79.6	0.195	78.0
SF 1187 93ZE33S39	0.250	0.120	48.0	0.159	63.7
SF 1187 93ZE33D39	0.250	0.146	58.3	0.132	52.8

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

DCB SURROGATE RECOVERY

DATE: 05-31-93

SAMPLE NAME	AMOUNT ADDED	PRIMARY COLUMN AMOUNT FOUND	PRIMARY COLUMN PERCENT RECOVERY	SECONDARY COLUMN AMOUNT FOUND	SECONDARY COLUMN PERCENT RECOVERY
SF 1187 93ZE33S38 PEST MS	0.250	0.166	66.5	0.183	73.2
SF 1187 93ZE33S38 PEST MSD	0.250	0.226	90.4	0.215	86.1
SF 1187 93ZE33S38 PCB MS	0.250	0.187	74.7	0.176	70.2
SF 1187 93ZE33S38 PCB MSD	0.250	0.199	79.5	0.186	74.2
SF 1187 93ZE33S39 SULFUR CL	0.250	0.088	35.4	0.087	35.0
SF 1187 93ZE33D39 SULFUR CL	0.250	0.105	42.1	0.108	43.1

PART II

Endrin & DDT Degradation Report & Chromatograms

A. Primary
B. Secondary

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 15:31:39 Version 4.1 **********

* Sample Name: END DEG #1 Data File: J:1HOD2 *
* Date: 05-25-1993 17:03:21 Method: J:1ENDBD 05-26-1993 15:17:29 # 237 *
* Interface: 0 Cycle#: 2 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

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* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

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Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
5	15.32	ENDRIN	0.7675	13.7799%	518426	106046	4.9	2	12	12	0	1.4805E-06
7	16.96	END ALDEHYDE	4.8024	86.2201%	50793	7943	6.4	1	12	12	.1127	9.4549E-05
12	21.00	MIREX	1.0000	0.0000%	162680	12848	12.7	1	12	12	0	6.1470E-06

TOTAL AMOUNT = 5.5699

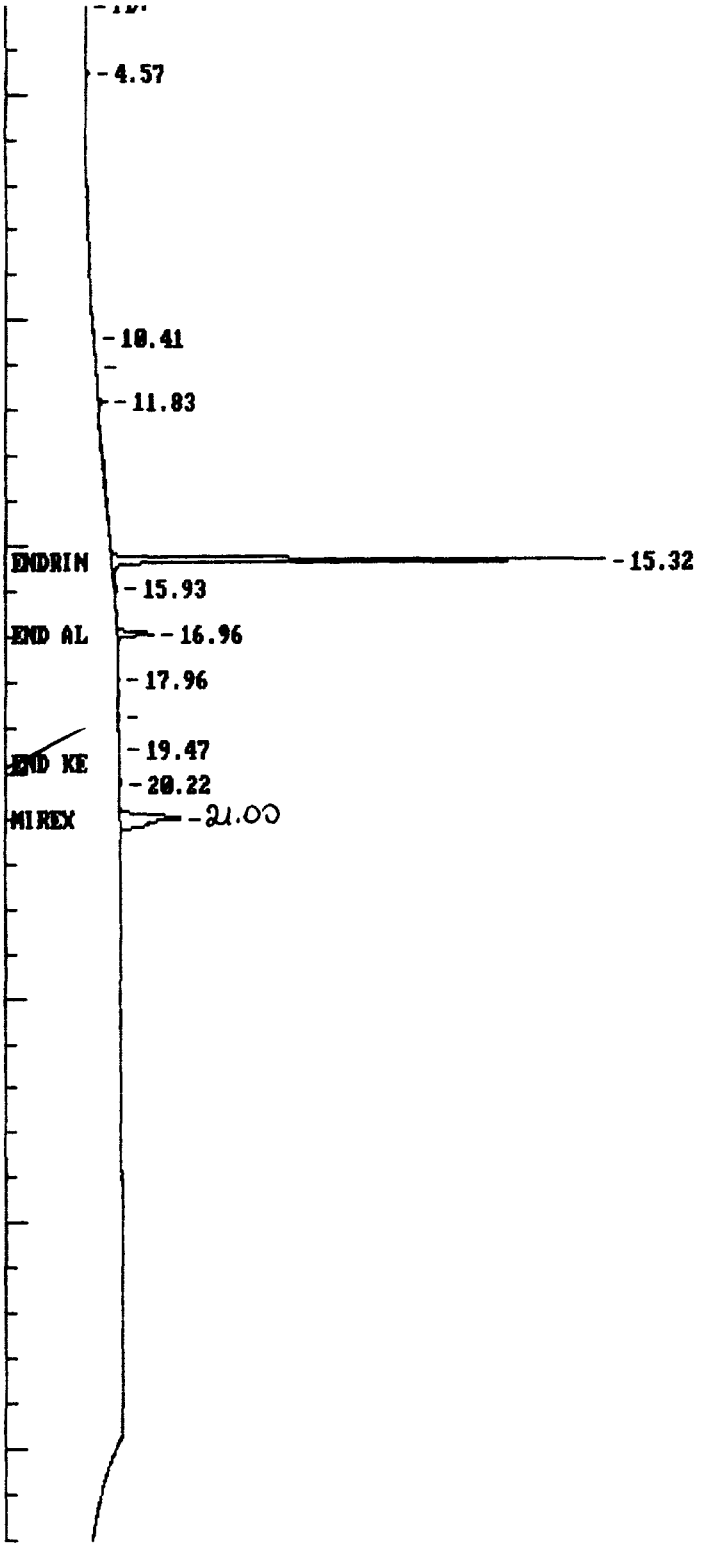
PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
END KETONE	20.00	MIREX

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD2.PTS Printed on 05-26-1993 at 15:31:53
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 15:33:50 Version 4.1 **********

* Sample Name: END DEG #2 Data File: J:1HOD19 *
* Date: 05-26-1993 04:49:23 Method: J:1ENDBD 05-26-1993 15:17:29 # 237 *
* Interface: 0 Cycle#: 19 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
15	15.34	ENDRIN	0.7072	13.3806%	620187	121490	5.1	3	22	22	0	1.1404E-06
17	16.96	END ALDEHYDE	4.5783	86.6195%	62866	9927	6.3	1	22	22	0	7.2826E-05
22	21.02	MIREX	1.0000	0.0000%	211204	18160	11.6	1	22	22	0	4.7348E-06

TOTAL AMOUNT = 5.2856

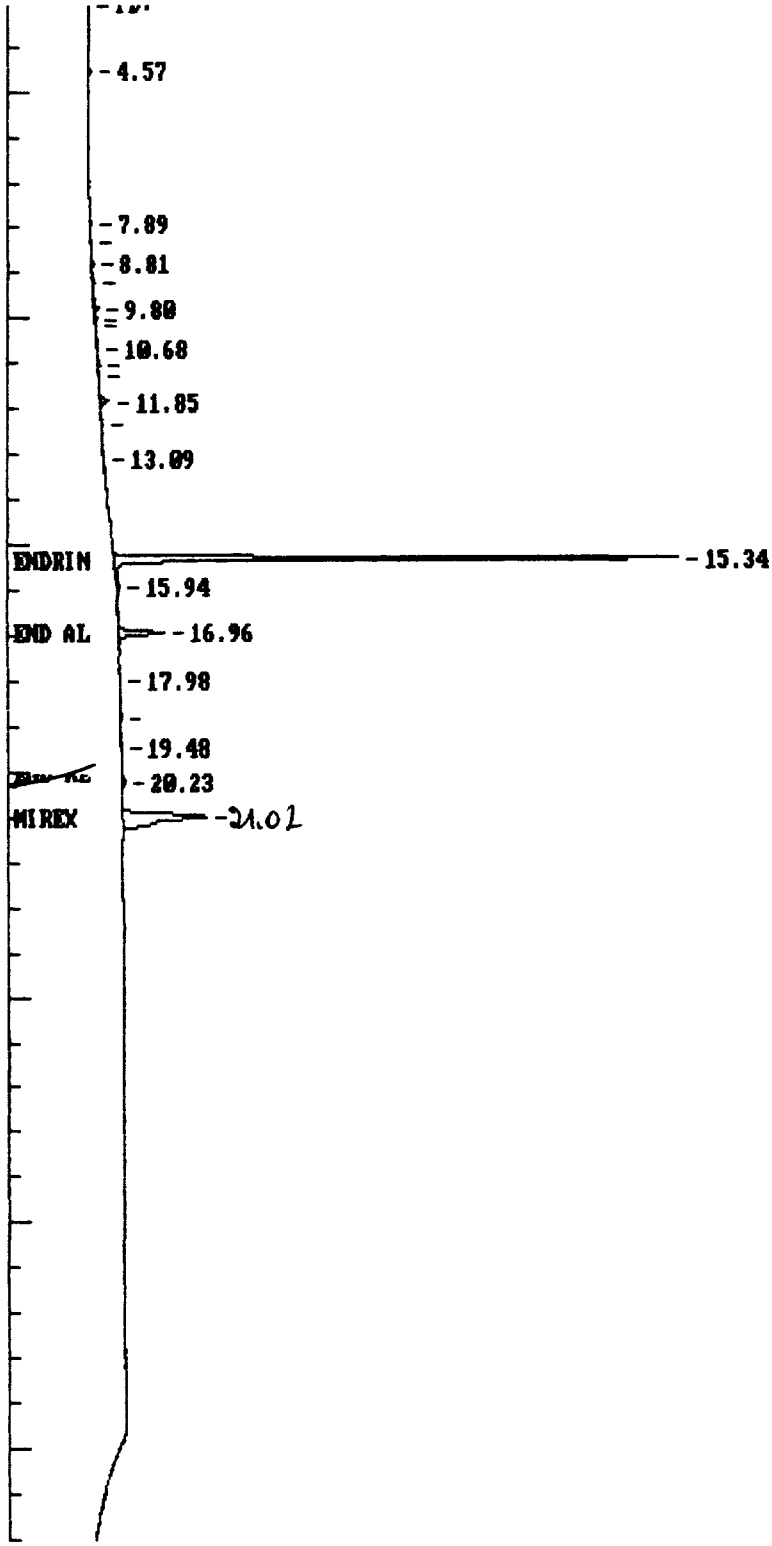
PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
END KETONE	20.02	MIREX

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD19.PTS Printed on 05-26-1993 at 15:34:08
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-28-1993 14:44:57 Version 4.1 **********************
* Sample Name: END DEG #3                          Data File: J:1HOD46      *
* Date: 05-26-1993 23:23:53 Method: J:1ENDBD  05-26-1993 15:17:29  #  237 *
* Interface: 0   Cycle#:  46   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*           Detector 0: DB608 QUAN          Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D. LANDFILL                  SCRN:          *   *
*************************************************************************
Starting Delay:    3.00                      Ending retention time:   37.00
Area reject:       500                       One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
15	15.31	ENDRIN	0.8458	17.0728%	713602	145019	4.9	3	22	22	.1475	1.1853E-06
17	16.93	END ALDEHYDE	4.1085	82.9272%	54275	8357	6.5	1	22	22	.1545	7.5697E-05
22	20.95	MIREX	1.0000	0.0000%	203193	18366	11.1	1	22	22	0	4.9214E-06

TOTAL AMOUNT = 4.9544

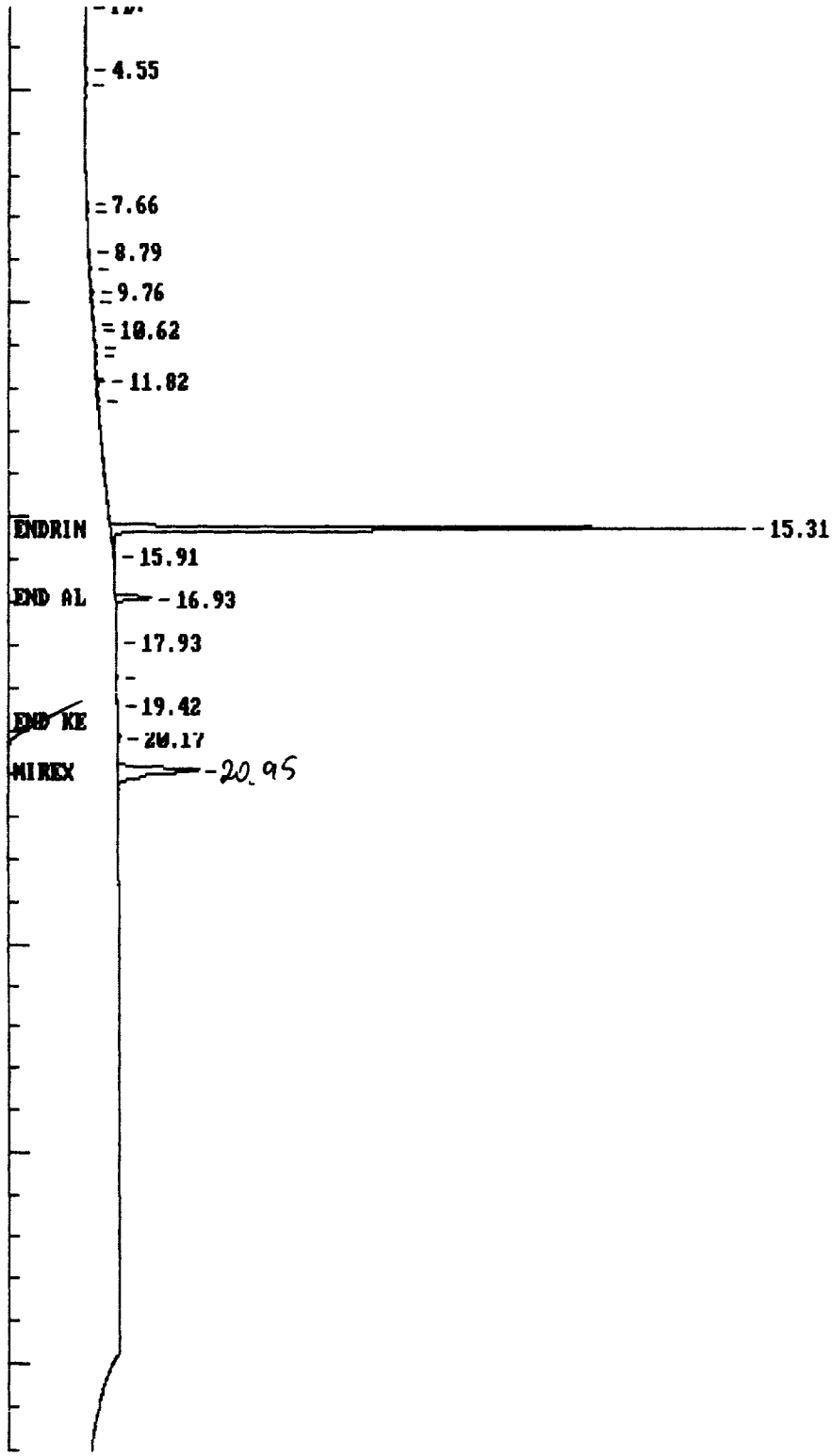
PEAKS NOT FOUND IN THIS RUN

NAME	ADJUSTED RET.TIME.	REFERENCE PEAK
END KETONE	19.95	MIREX

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD46.PTS Printed on 05-28-1993 at 14:45:11
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 15:32:42 Version 4.1 **********

* Sample Name: DDT DEG #1 Data File: J:1HOD3 *
* Date: 05-25-1993 17:44:57 Method: J:1DDTBD 05-26-1993 15:18:38 # 234 *
* Interface: 0 Cycle#: 3 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

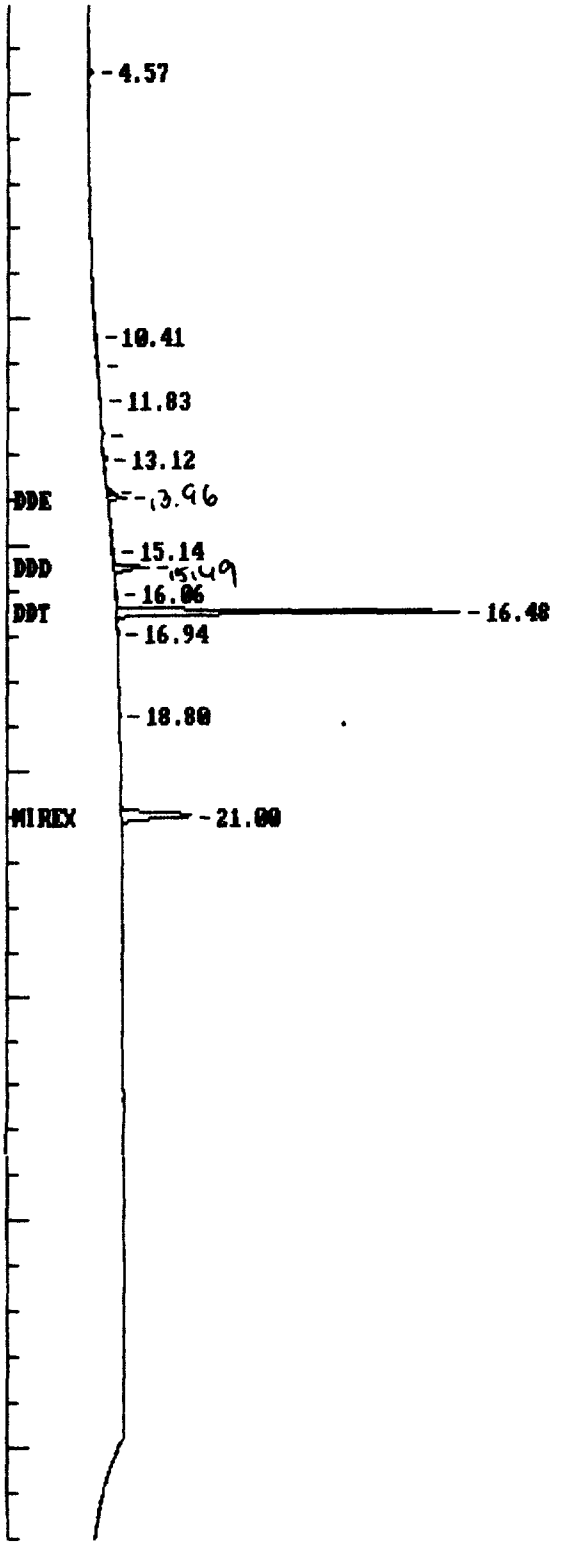
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
8	13.96	DDE	0.7277	31.1144%	17976	4014	4.5	2	15	15	0	4.0482E-05
10	15.49	DDD	0.8479	36.2506%	43540	7500	5.8	2	15	15	0	1.9473E-05
12	16.48	DDT	0.7633	32.6350%	388204	73995	5.2	2	15	15	0	1.9662E-06
15	21.00	MIREX	1.0000	0.0000%	137610	14933	9.2	1	15	15	0	7.2669E-06

TOTAL AMOUNT = 2.3389

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD3.PTS Printed on 05-26-1993 at 15:33:00
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY CALIBRATION

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 15:34:58 Version 4.1 **********

* Sample Name: DDT DEG #2 Data File: J:1HOD20 *
* Date: 05-26-1993 05:30:50 Method: J:1DDTBD 05-26-1993 15:18:38 # 234 *
* Interface: 0 Cycle#: 20 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL SCRN: * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

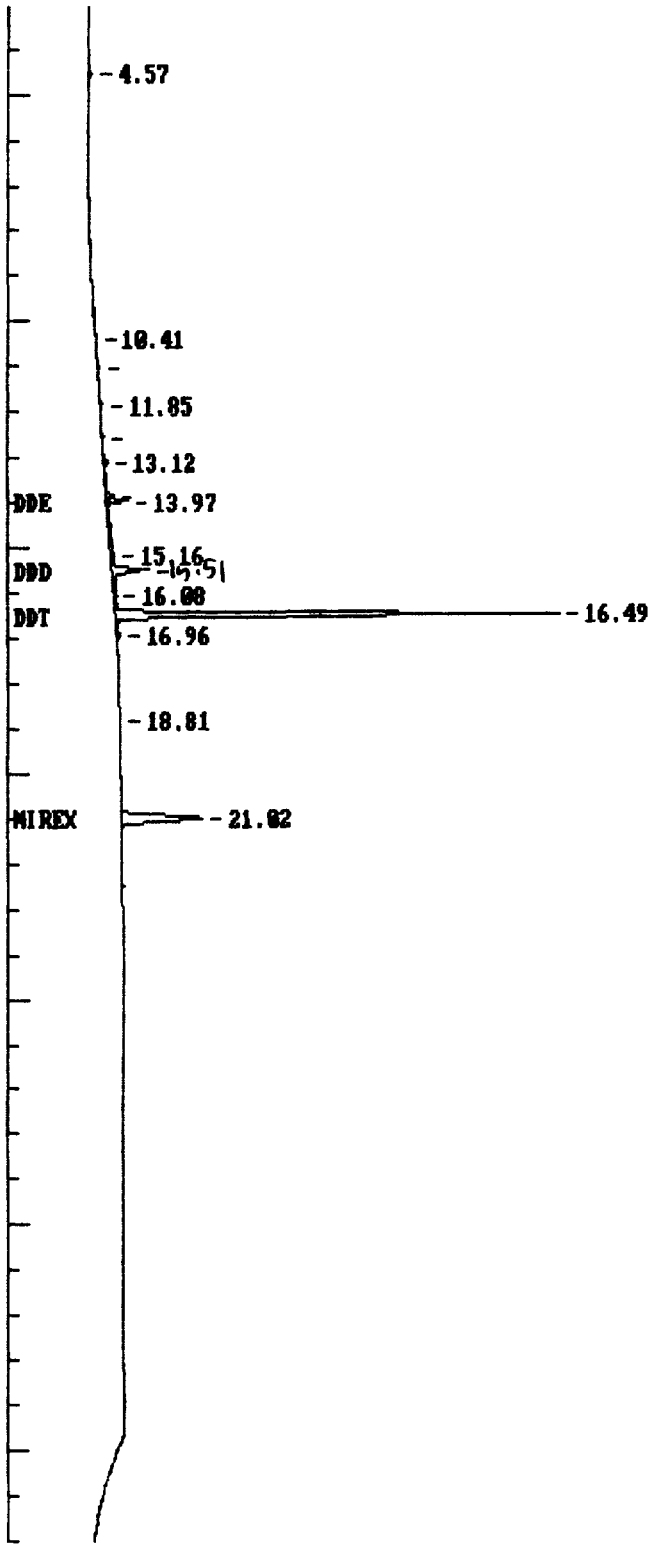
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	HEIGHT BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
8	13.97	DDE	0.7429	28.4252%	21370	4548	4.7	2	15	15	0	3.4764E-05
10	15.51	DDD	1.0090	38.6066%	60337	7983	7.6	3	15	15	.0262	1.6722E-05
12	16.49	DDT	0.8616	32.9683%	510294	95393	5.3	2	15	15	0	1.6885E-06
15	21.02	MIREX	1.0000	0.0000%	160246	17305	9.3	1	15	15	0	6.2404E-06

TOTAL AMOUNT = 2.6135

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD20.PTS Printed on 05-26-1993 at 15:35:16
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

```
******   INTERNAL STANDARD TABLE   ******
******************** 05-28-1993 13:52:05 Version 4.1 *********************
* Sample Name: DDT DEG #3                        Data File: J:1HOD47      *
* Date: 05-27-1993 00:05:01 Method: J:1DDTBD  05-26-1993 15:18:38  #  234 *
* Interface: 0   Cycle#:  47   Operator KM  Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500            *
***********************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*             Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~   *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
***********************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:       500                       One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

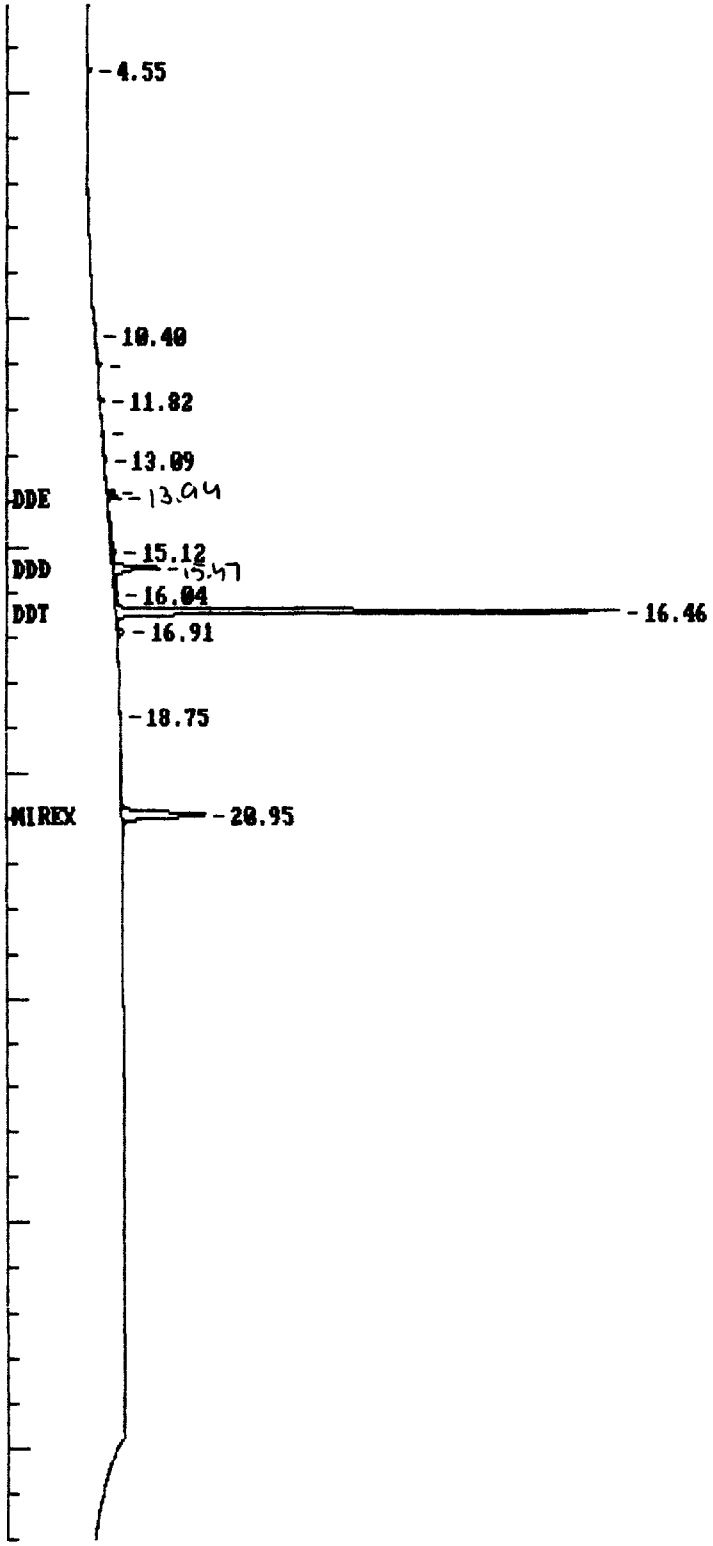
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
8	13.94	DDE	0.4328	17.2199%	12855	2873	4.5	2	15	15	0	3.3668E-05
10	15.47	DDD	1.1497	45.7404%	70989	9937	7.1	3	15	15	.1289	1.6195E-05
12	16.46	DDT	0.9310	37.0397%	569321	108197	5.3	2	15	15	0	1.6352E-06
15	20.95	MIREX	1.0000	0.0000%	165462	17946	9.2	1	15	15	0	6.0437E-06

TOTAL AMOUNT = 2.5135

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD47.PTS Printed on 05-28-1993 at 13:52:18
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-27-1993 12:50:38 Version 4.1 **********************
* Sample Name: END DEG #1                          Data File: J:2HOD3       *
* Date: 05-25-1993 17:44:56 Method: J:2ENDBD  05-27-1993 09:10:26  #  59   *
* Interface: 0   Cycle#:  3    Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN             *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D. LANDFILL                  H.O.D. LANDFILL     *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

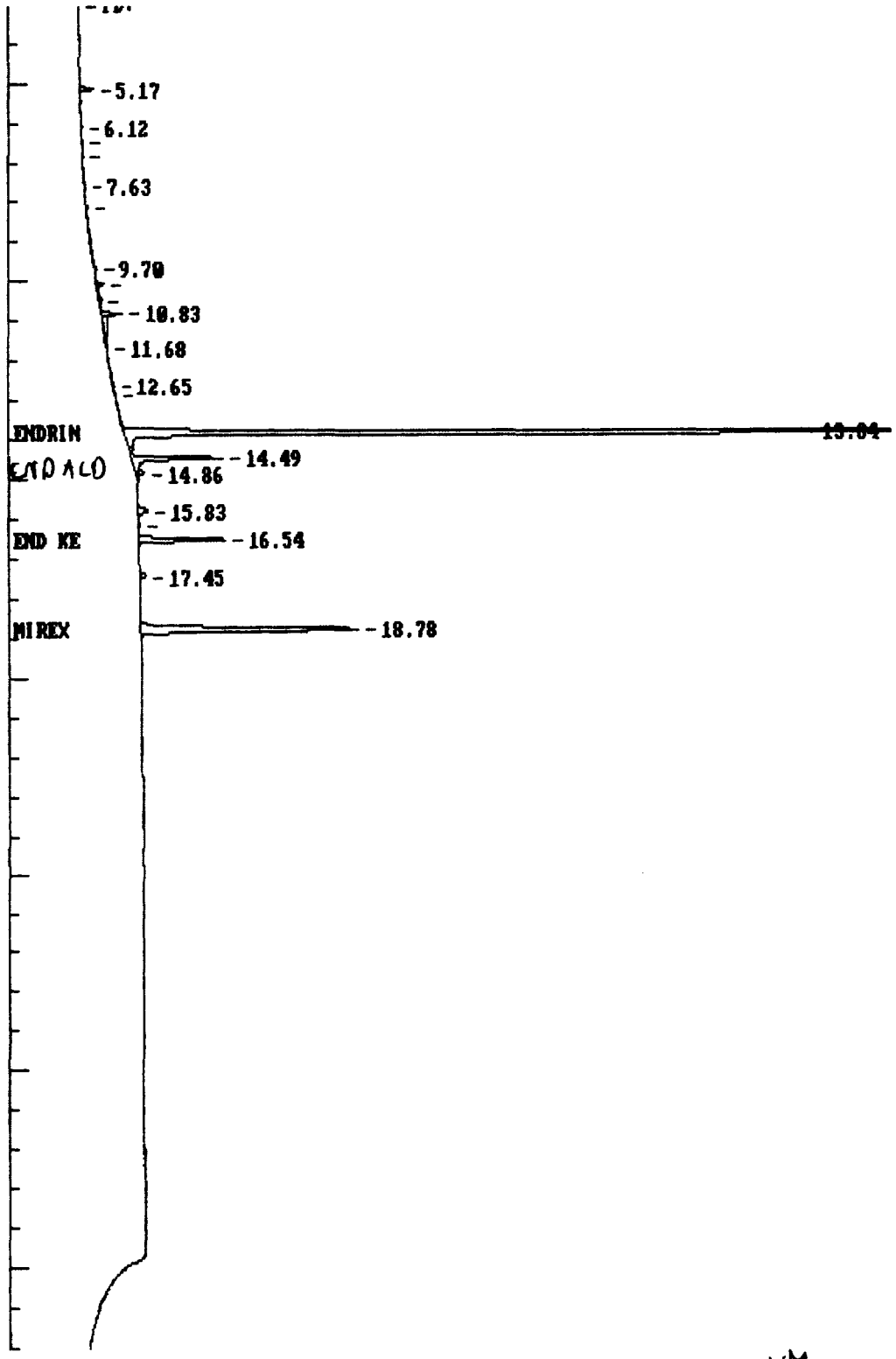
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
14	13.84	ENDRIN	4.8807	88.5812%	1985716	444155	4.5	2	21	21	0	2.4579E-06
15	14.49	END ALDEHYDE	0.3437	6.2376%	139828	22335	6.3	3	21	21	.2340	2.4579E-06
19	16.54	END KETONE	0.2855	5.1812%	116146	21365	5.4	1	21	21	0	2.4579E-06
21	18.78	MIREX	1.0000	0.0000%	406848	53556	7.6	1	21	21	0	2.4579E-06

TOTAL AMOUNT = 5.5099

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD3.PTS Printed on 05-27-1993 at 12:50:52
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 12:51:47 Version 4.1 **********

* Sample Name: END DEG #2 Data File: J:2HOD20 *
* Date: 05-26-1993 05:30:49 Method: J:2ENDBD 05-27-1993 09:10:26 # 59 *
* Interface: 0 Cycle#: 20 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

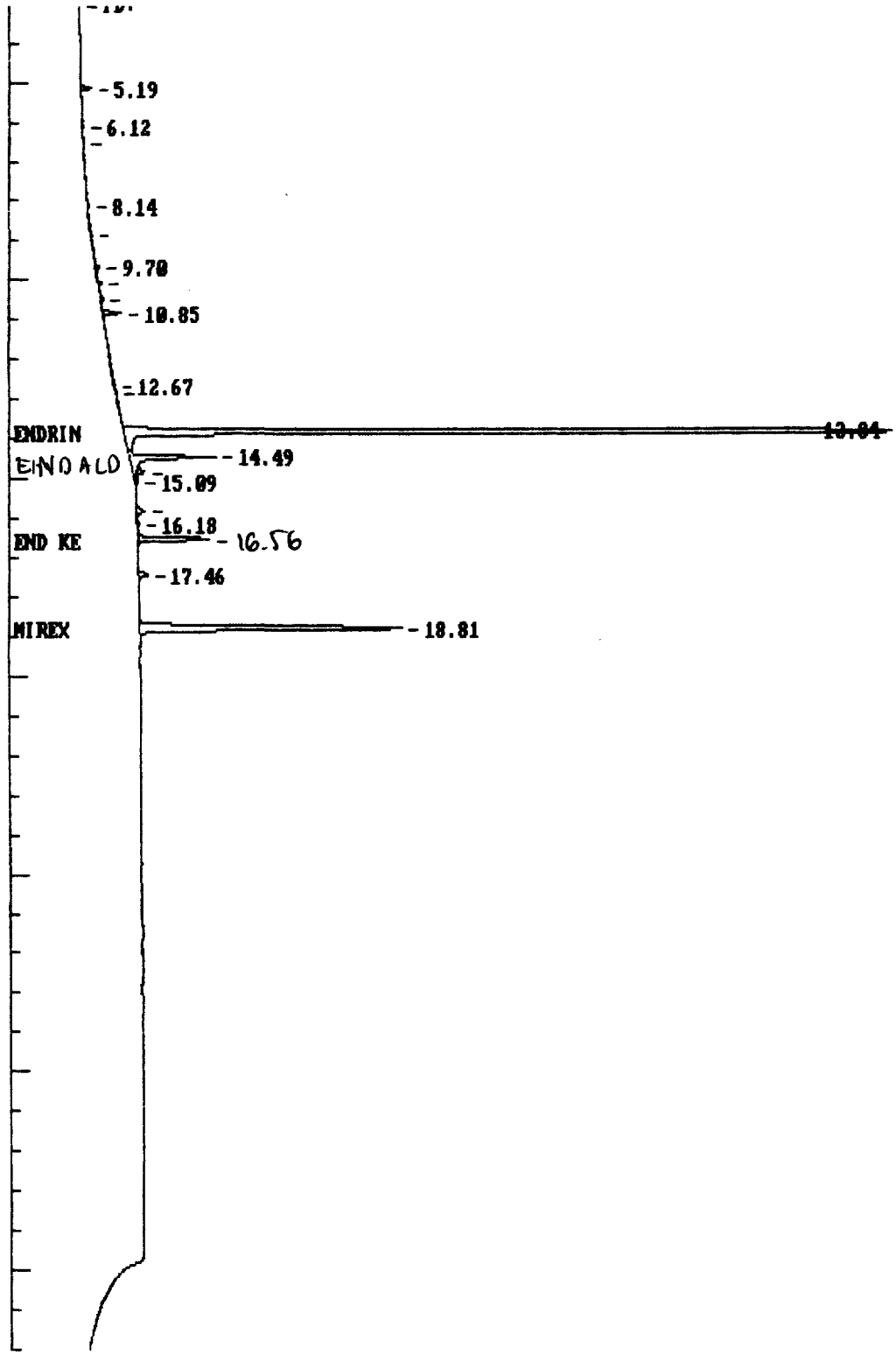
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
12	13.84	ENDRIN	4.3699	89.5812%	2152370	459305	4.7	2	20	20	0	2.0303E-06
13	14.49	END ALDEHYDE	0.3146	6.4499%	154971	21045	7.4	3	20	20	0	2.0303E-06
18	16.56	END KETONE	0.1936	3.9689%	95361	17506	5.4	1	20	20	-.1370	2.0303E-06
20	18.81	MIREX	1.0000	0.0000%	492548	64370	7.7	1	20	20	0	2.0303E-06

TOTAL AMOUNT = 4.8781

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD20.PTS Printed on 05-27-1993 at 12:52:04
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 12:52:58 Version 4.1 **********

* Sample Name: END DEG #3 Data File: J:2HOD47 *
* Date: 05-27-1993 00:05:01 Method: J:2ENDBD 05-27-1993 09:10:26 # 59 *
* Interface: 0 Cycle#: 47 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

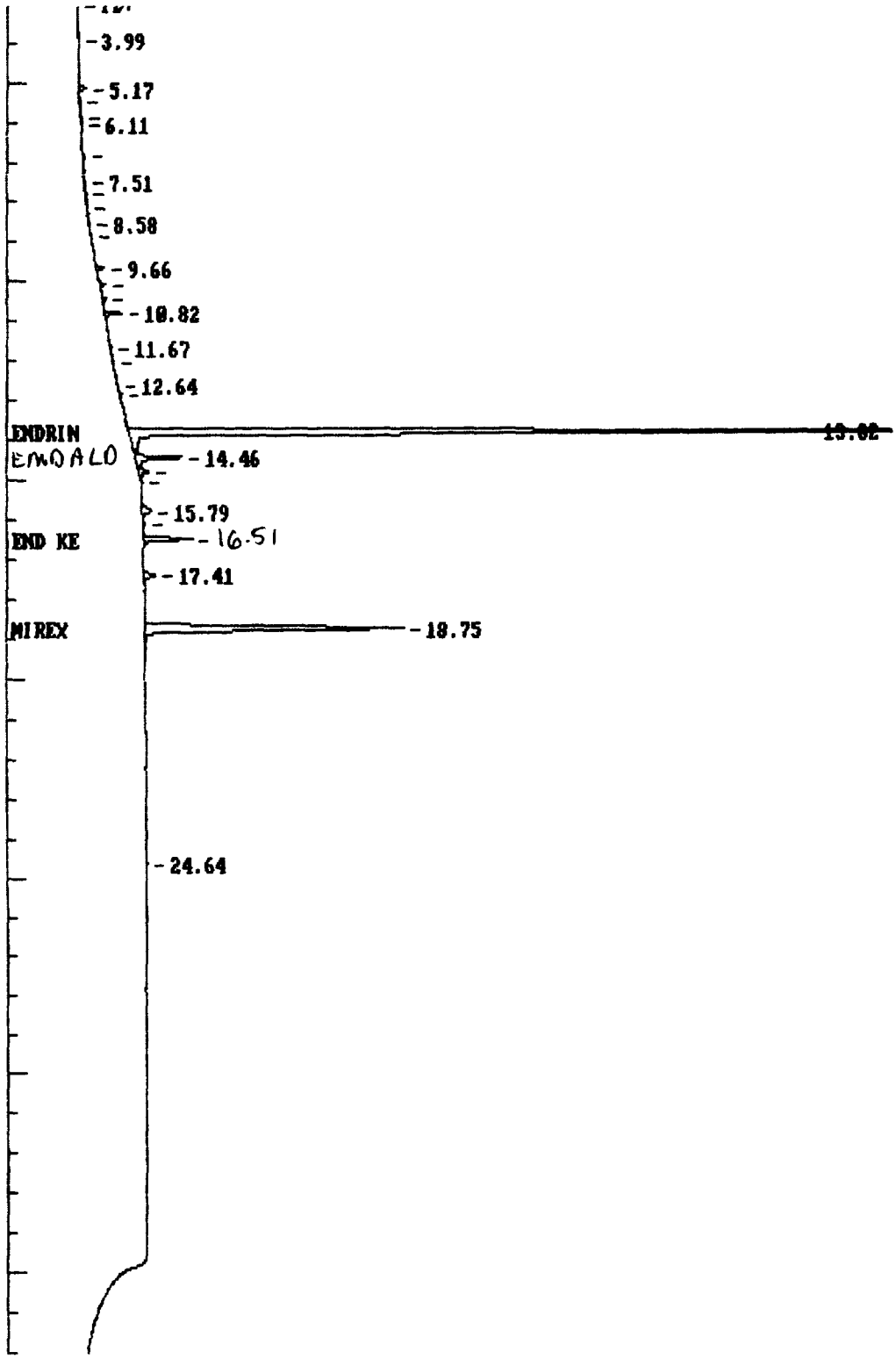
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
20	13.82	ENDRIN	4.8023	94.1584%	2289324	493532	4.6	2	28	28	.1435	2.0977E-06
21	14.46	END ALDEHYDE	0.1666	3.2675%	79445	11454	6.9	2	28	28	.1812	2.0977E-06
26	16.51	END KETONE	0.1313	2.5741%	62584	11797	5.3	1	28	28	0	2.0977E-06
28	18.75	MIREX	1.0000	0.0000%	476716	63391	7.5	1	28	28	0	2.0977E-06

TOTAL AMOUNT = 5.1002

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD47.PTS Printed on 05-27-1993 at 12:53:15
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-27-1993 09:16:38 Version 4.1 **********************
* Sample Name: DDT DEG #1                          Data File: J:2HOD4       *
* Date: 05-25-1993 18:26:30 Method: J:2DDTBD  05-27-1993 09:16:20  #  79   *
* Interface: 0   Cycle#:  4    Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF    *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

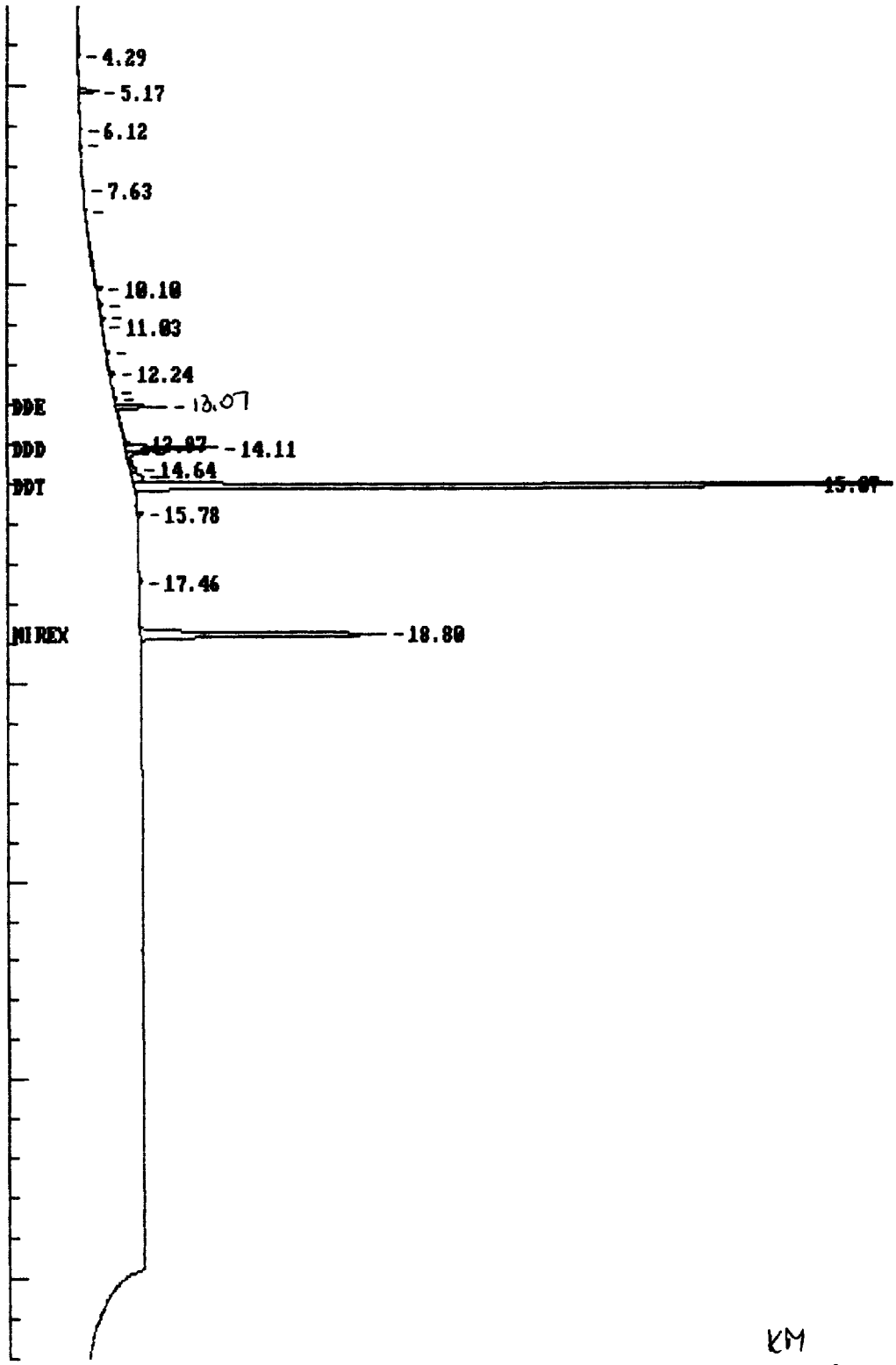
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
15	13.07	DDE	0.0000	51.2864%	53192	12567	4.2	2	24	24	.1636	8.3974E-11
17	14.11	DDD	0.0000	23.6077%	104129	22748	4.6	2	24	24	.1195	1.9746E-11
21	15.07	DDT	0.0000	25.1058%	1728561	369791	4.7	2	24	24	.1032	1.2650E-12
24	18.80	MIREX	1.0000	0.0000%	455229	60225	7.6	1	24	24	0	2.1967E-06

TOTAL AMOUNT = 0.0000

KM
5-20-93

SECONDARY COLUMN

Data File = J:2HOD4.PTS Printed on 05-27-1993 at 09:16:52
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-27-1993 09:17:45 Version 4.1 **********************
* Sample Name: DDT DEG #2                          Data File: J:2HOD21      *
* Date: 05-26-1993 06:12:21 Method: J:2DDTBD  05-27-1993 09:16:20  #  79   *
* Interface: 0   Cycle#:  21   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF    *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

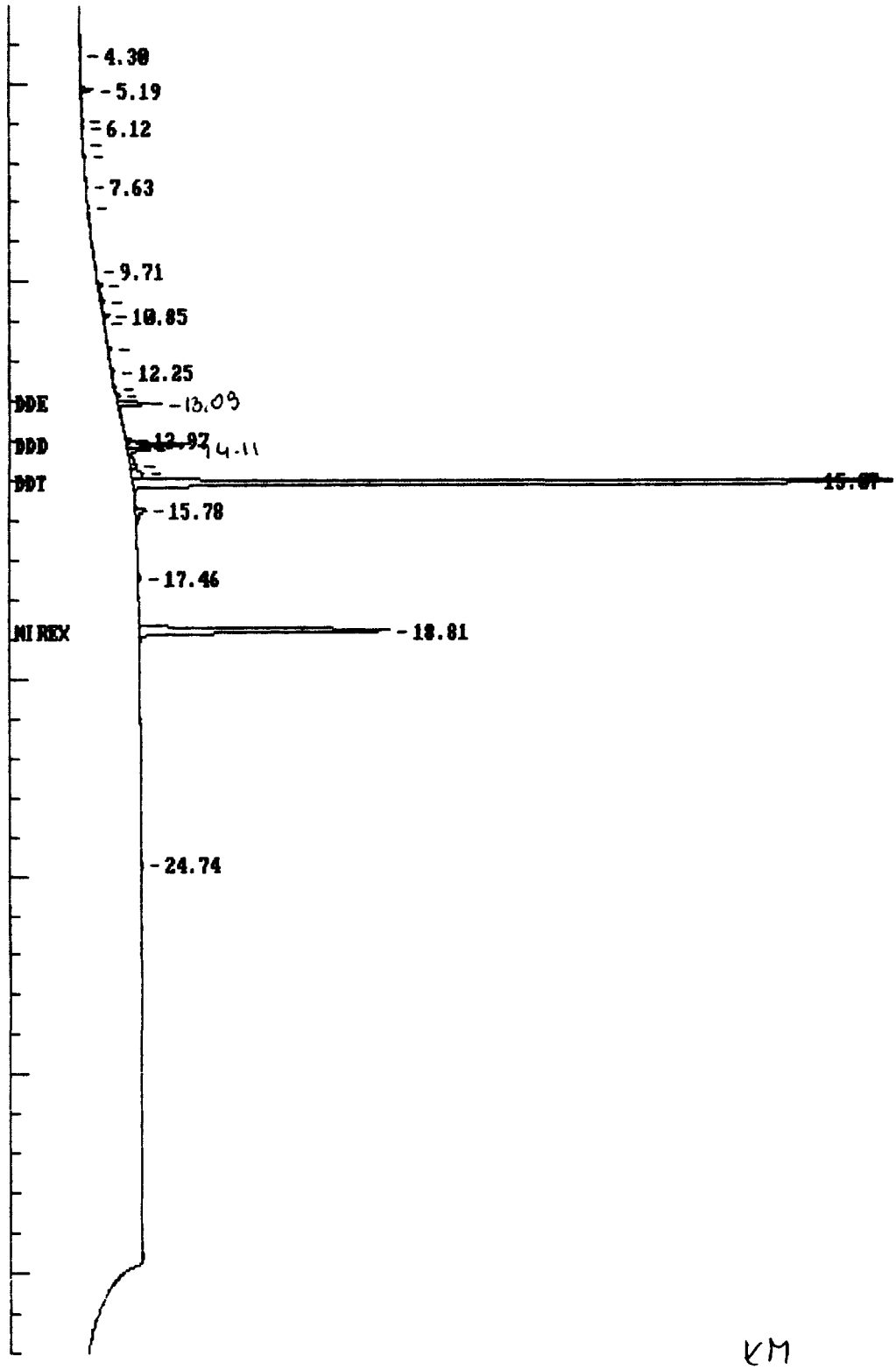
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
18	13.09	DDE	0.0000	51.4242%	47964	10868	4.4	2	27	27	.2025	8.1231E-11
20	14.11	DDD	0.0000	17.8960%	70988	15856	4.5	2	27	27	0	1.9100E-11
24	15.07	DDT	0.0000	30.6798%	1899638	399757	4.8	2	27	27	0	1.2236E-12
27	18.81	MIREX	1.0000	0.0000%	470604	61591	7.6	1	27	27	0	2.1249E-06

TOTAL AMOUNT = 0.0000

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD21.PTS Printed on 05-27-1993 at 09:18:03
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-28-1993 14:46:43 Version 4.1 **********************
* Sample Name: DDT DEG #3                          Data File: J:2HOD48      *
* Date: 05-27-1993 00:45:47 Method: J:2DDTBD  05-27-1993 09:16:20  #  79   *
* Interface: 0   Cycle#:  48   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
***************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN             *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL   *
***************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

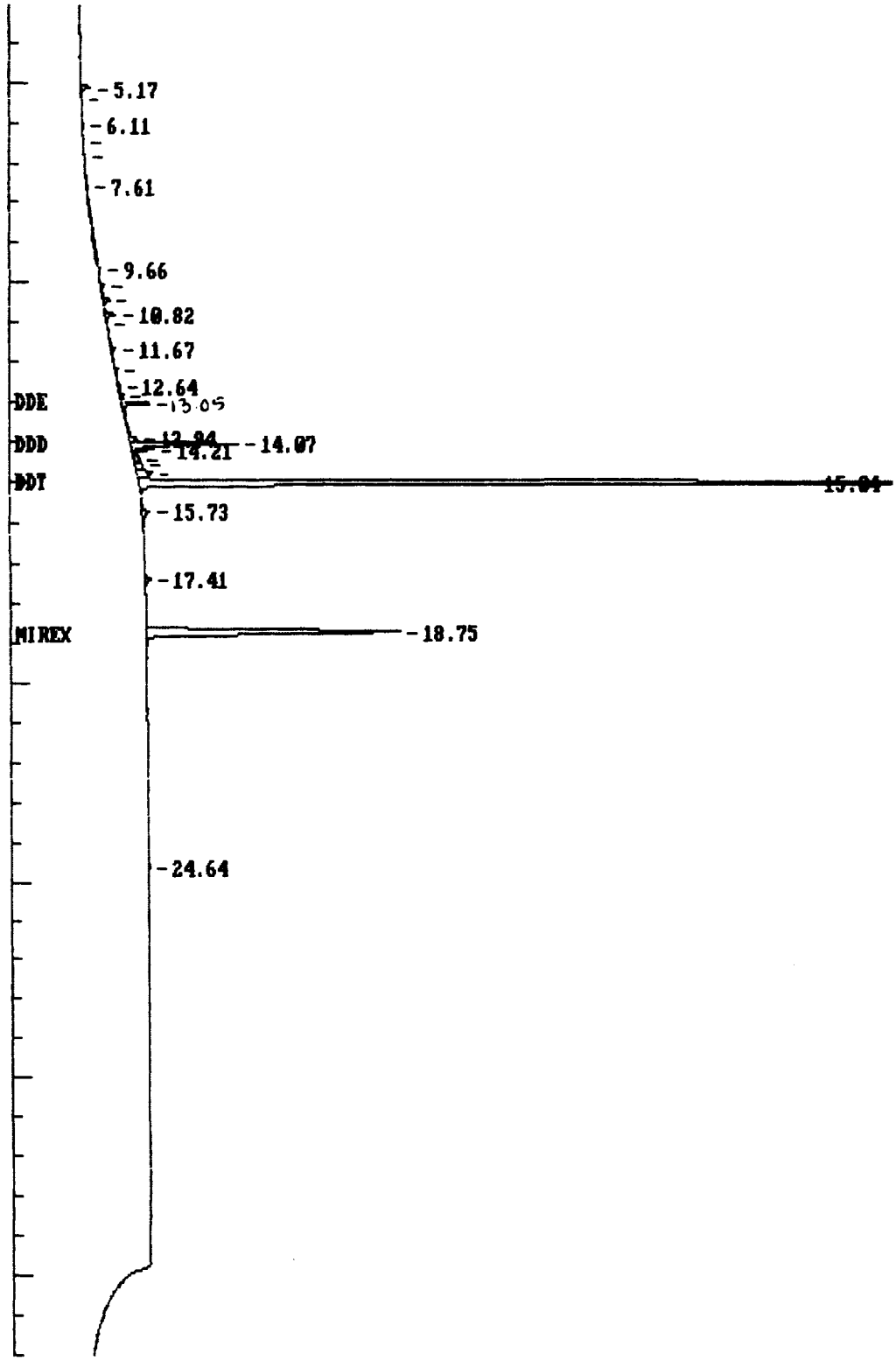
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
16	13.05	DDE	0.0000	34.8246%	31306	6898	4.5	2	26	26	.3029	8.1070E-11
18	14.07	DDD	0.0000	33.9446%	129776	26463	4.9	3	26	26	.1494	1.9063E-11
23	15.04	DDT	0.0000	31.2308%	1863802	399958	4.7	2	26	26	.1483	1.2212E-12
26	18.75	MIREX	1.0000	0.0000%	471539	62363	7.6	1	26	26	0	2.1207E-06

TOTAL AMOUNT = 0.0000

KM
5-28-93

SECONDARY COLUM

Data File = J:2HOD48.PTS Printed on 05-28-1993 at 14:46:56
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PART III

Calibration Reports/Chromatograms and Calibration Curves

A. Pesticide Mix A
(Primary & Secondary Columns)

B. Pesticide Mix B
(Primary & Secondary Columns)

C. Aroclor 1242
(Primary & Secondary Columns)

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 12:02:11 Version 4.1 **********

* Sample Name: PEST A L1 Data File: J:1HOD4 *
* Date: 05-25-1993 18:26:30 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 4 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

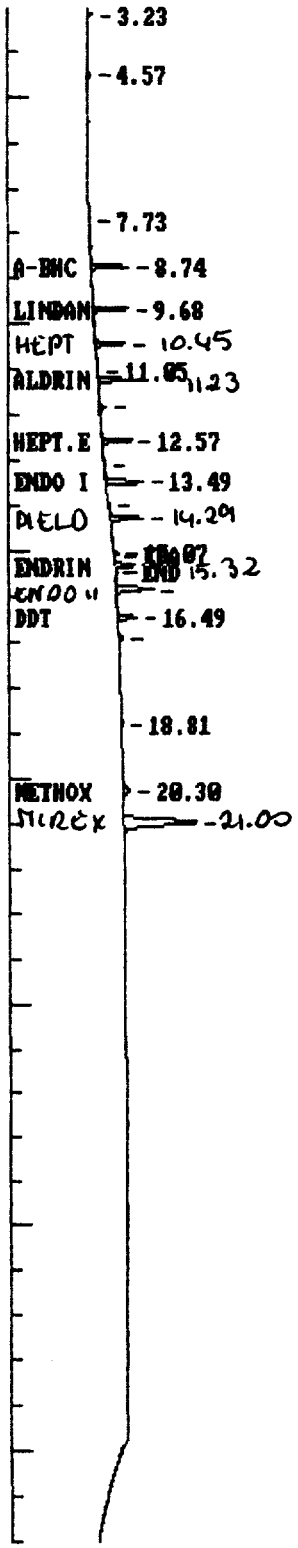
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.23		0.0000	0.0023%	1644	898	1.8	1		23		6.8963E-10
2	4.57		0.0000	0.0042%	3016	652	4.6	1		23		6.8963E-10
3	7.73		0.0000	0.0010%	677	159	4.2	1		23		6.8963E-10
4	8.74	A-BHC	0.0027	5.5954%	28756	8049	3.6	1	23	23	0	9.5568E-08
5	9.68	LINDANE	0.0030	6.0806%	26734	7419	3.6	1	23	23	0	1.1171E-07
6	10.45	HEPTACHLOR	0.0040	8.1521%	27859	6310	4.4	1	23	23	0	1.4372E-07
7	11.05		0.0000	0.0011%	797	197	4.0	2		23		6.8963E-10
8	11.23	ALDRIN	0.0032	6.5248%	25710	5885	4.4	2	23	23	0	1.2465E-07
9	11.83		0.0000	0.0084%	6003	1286	4.7	1		23		6.8963E-10
10	12.57	HEPT.EPOXIDE	0.0034	6.9078%	26815	6092	4.4	1	23	23	0	1.2653E-07
11	13.10		0.0000	0.0022%	1602	157	10.2	1		23		6.8963E-10
12	13.49	ENDO I	0.0049	10.0637%	36947	7947	4.6	1	23	23	0	1.3378E-07
13	13.97		0.0000	0.0019%	1319	320	4.1	1		23		6.8963E-10
14	14.29	DIELDRIN	0.0050	10.1634%	35329	7388	4.8	1	23	23	0	1.4130E-07
15	15.07		0.0000	0.0079%	5618	1157	4.9	1		23		6.8963E-10
16	15.32	ENDRIN	0.0052	10.6571%	24677	4601	5.4	1	23	23	0	2.1211E-07
17	15.49		0.0000	0.0035%	2460	541	4.5	1		23		6.8963E-10
18	15.86	ENDO II	0.0063	12.8417%	42869	8191	5.2	1	23	23	0	1.4713E-07
19	16.49	DDT	0.0056	11.3893%	22029	4116	5.4	1	23	23	0	2.5393E-07
20	16.96		0.0000	0.0081%	5786	905	6.4	1		23		6.8963E-10
21	18.81		0.0000	0.0023%	1636	203	8.0	1		23		6.8963E-10
22	20.30	METHOXYCHLOR	0.0057	11.5813%	11250	1446	7.8	1	23	23	0	5.0560E-07
23	21.00	MIREX	1.0000	0.0000%	145004	15534	9.3	1	23	23	0	6.8963E-06

TOTAL AMOUNT = 0.0491

KM
5-29-93

PRIMARY COLUMN

Data File = J:1HOD4.PTS Printed on 05-26-1993 at 12:02:46
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-29-93

PRIMARY

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 12:03:34 Version 4.1 **********

* Sample Name: PEST A L2 Data File: J:1HOD5 *
* Date: 05-25-1993 19:07:40 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 5 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

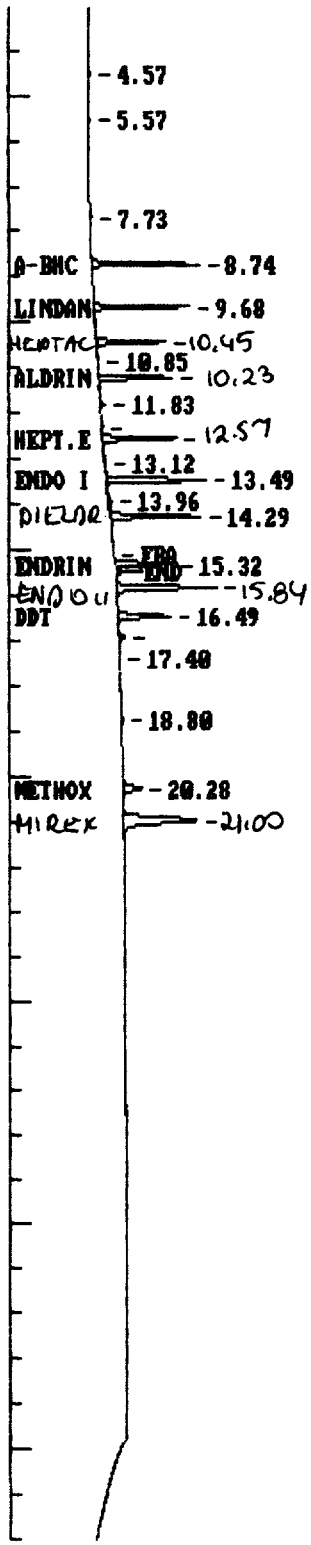
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0011%	1989	421	4.7	1		24		6.6284E-10
2	5.57		0.0000	0.0008%	1495	374	4.0	1		24		6.6284E-10
3	7.73		0.0000	0.0008%	1470	351	4.2	1		24		6.6284E-10
4	8.74	A-BHC	0.0073	5.8834%	79085	23109	3.4	1	24	24	0	9.1855E-08
5	9.68	LINDANE	0.0077	6.2351%	71701	20490	3.5	1	24	24	0	1.0737E-07
6	10.45	HEPTACHLOR	0.0092	7.4425%	66523	15014	4.4	2	24	24	0	1.3814E-07
7	10.85		0.0000	0.0008%	1404	253	5.6	2		24		6.6284E-10
8	11.23	ALDRIN	0.0080	6.4936%	66923	15810	4.2	1	24	24	0	1.1981E-07
9	11.83		0.0000	0.0025%	4566	1006	4.5	1		24		6.6284E-10
10	12.32		0.0000	0.0004%	802	132	6.1	1		24		6.6284E-10
11	12.57	HEPT.EPOXIDE	0.0084	6.8225%	69269	15823	4.4	1	24	24	0	1.2161E-07
12	13.12		0.0000	0.0008%	1515	161	9.4	1		24		6.6284E-10
13	13.49	ENDO I	0.0121	9.8040%	94141	21248	4.4	1	24	24	0	1.2858E-07
14	13.96		0.0000	0.0018%	3320	692	4.8	1		24		6.6284E-10
15	14.29	DIELDRIN	0.0123	9.9255%	90240	19530	4.6	1	24	24	0	1.3581E-07
16	15.32	ENDRIN	0.0122	9.8528%	59673	12309	4.8	1	24	24	0	2.0387E-07
17	15.49		0.0000	0.0030%	5539	1271	4.4	1		24		6.6284E-10
18	15.84	ENDO II	0.0161	13.0554%	113990	21547	5.3	1	24	24	-.1053	1.4141E-07
19	16.49	DDT	0.0149	12.0737%	61080	11314	5.4	1	24	24	0	2.4407E-07
20	16.94		0.0000	0.0047%	8692	1351	6.4	1		24		6.6284E-10
21	17.40		0.0000	0.0004%	781	125	6.2	1		24		6.6284E-10
22	18.80		0.0000	0.0009%	1653	211	7.9	1		24		6.6284E-10
23	20.28	METHOXYCHLOR	0.0153	12.3936%	31490	4013	7.8	1	24	24	0	4.8595E-07
24	21.00	MIREX	1.0000	0.0000%	150866	15731	9.6	1	24	24	0	6.6284E-06

TOTAL AMOUNT = 0.1235

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD5.PTS Printed on 05-26-1993 at 12:04:14
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KH
5-26-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 12:05:03 Version 4.1 **********

* Sample Name: PEST A L3 Data File: J:1HOD6 *
* Date: 05-25-1993 19:49:14 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 6 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL SCRN: * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

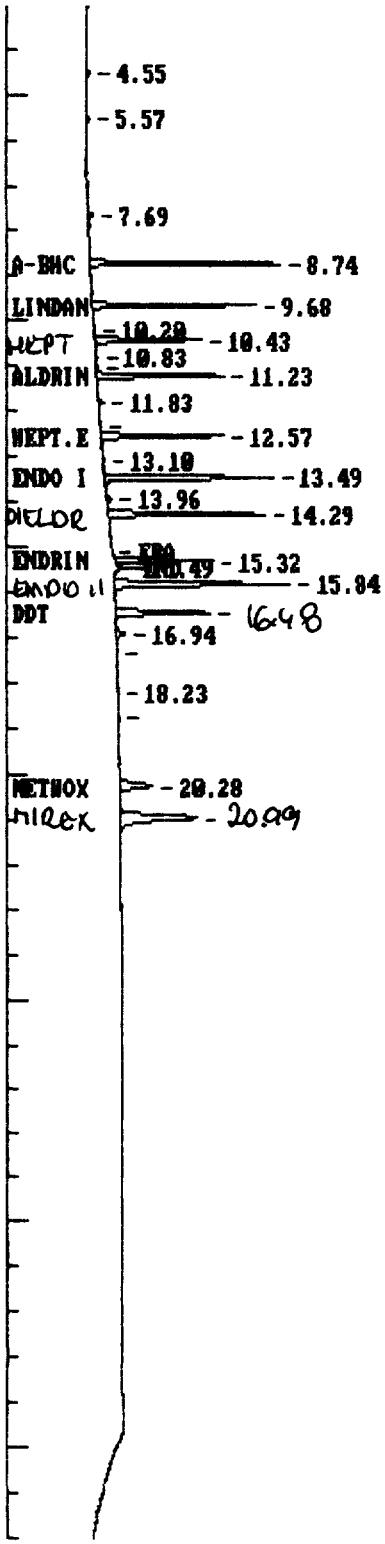
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.55		0.0000	0.0012%	3744	782	4.8	1		27		6.2684E-10
2	5.57		0.0000	0.0006%	2047	531	3.9	1		27		6.2684E-10
3	7.69		0.0000	0.0017%	5385	939	5.7	1		27		6.2684E-10
4	8.74	A-BHC	0.0123	6.1678%	141368	40886	3.5	1	27	27	0	8.6867E-08
5	9.68	LINDANE	0.0127	6.3558%	124627	35171	3.5	1	27	27	0	1.0154E-07
6	10.20		0.0000	0.0004%	1237	201	6.2	1		27		6.2684E-10
7	10.43	HEPTACHLOR	0.0133	6.6655%	101589	22926	4.4	1	27	27	0	1.3064E-07
8	10.83		0.0000	0.0004%	1301	335	3.9	1		27		6.2684E-10
9	11.03		0.0000	0.0003%	1097	304	3.6	1		27		6.2684E-10
10	11.23	ALDRIN	0.0127	6.3817%	112147	27146	4.1	1	27	27	0	1.1330E-07
11	11.83		0.0000	0.0019%	5924	1098	5.4	1		27		6.2684E-10
12	12.32		0.0000	0.0004%	1257	204	6.2	1		27		6.2684E-10
13	12.57	HEPT.EPOXIDE	0.0132	6.6347%	114860	26391	4.4	2	27	27	0	1.1501E-07
14	13.10		0.0000	0.0007%	2308	248	9.3	2		27		6.2684E-10
15	13.49	ENDO I	0.0198	9.9276%	162547	36414	4.5	2	27	27	0	1.2160E-07
16	13.96		0.0000	0.0016%	5032	957	5.3	2		27		6.2684E-10
17	14.29	DIELDRIN	0.0194	9.7475%	151112	33812	4.5	1	27	27	0	1.2843E-07
18	15.32	ENDRIN	0.0193	9.6830%	99995	20949	4.8	1	27	27	0	1.9280E-07
19	15.49		0.0000	0.0022%	7026	1723	4.1	1		27		6.2684E-10
20	15.84	ENDO II	0.0260	13.0503%	194291	37894	5.1	1	27	27	0	1.3373E-07
21	16.48	DDT	0.0250	12.5686%	108418	20361	5.3	1	27	27	0	2.3081E-07
22	16.94		0.0000	0.0045%	14140	2047	6.9	1		27		6.2684E-10
23	17.38		0.0000	0.0003%	957	160	6.0	1		27		6.2684E-10
24	18.23		0.0000	0.0005%	1525	148	10.3	1		27		6.2684E-10
25	18.80		0.0000	0.0006%	1817	223	8.1	1		27		6.2684E-10
26	20.28	METHOXYCHLOR	0.0255	12.8002%	55456	7088	7.8	1	27	27	0	4.5956E-07
27	20.99	MIREX	1.0000	0.0000%	159529	16409	9.7	1	27	27	0	6.2684E-06

TOTAL AMOUNT = 0.1991

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD6.PTS Printed on 05-26-1993 at 12:05:46
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-26-1993 12:06:36 Version 4.1 **********

* Sample Name: PEST A L4 Data File: J:1HOD7 *
* Date: 05-25-1993 20:30:49 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 7 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

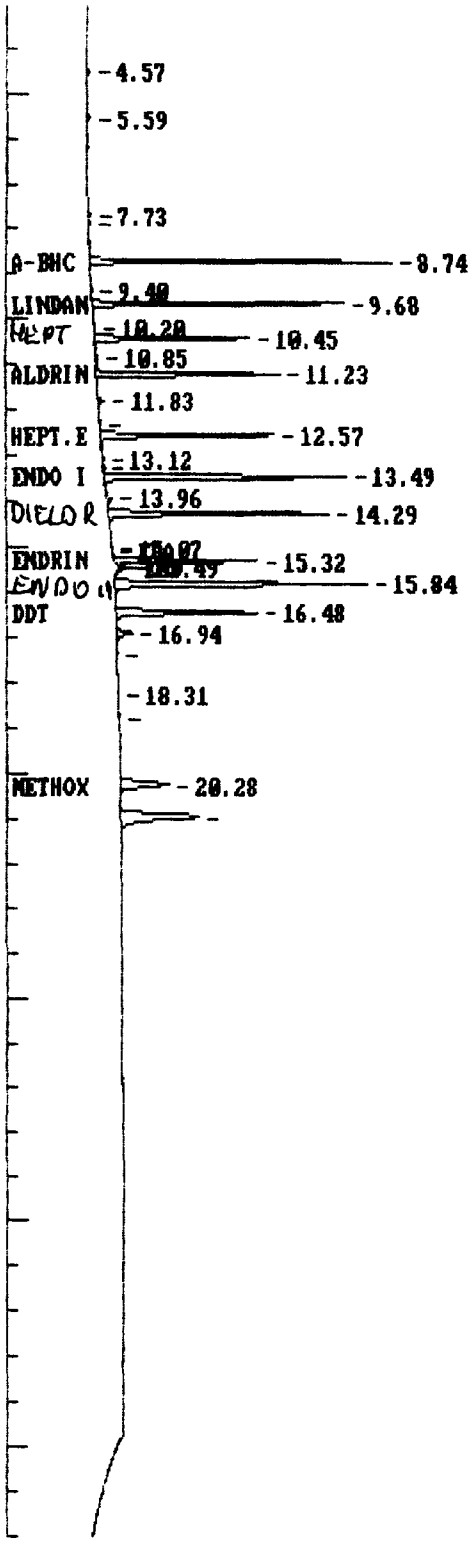
Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0007%	3066	651	4.7	1		30		6.0145E-10
2	5.59		0.0000	0.0006%	2977	727	4.1	1		30		6.0145E-10
3	7.73		0.0000	0.0006%	2708	699	3.9	2		30		6.0145E-10
4	7.93		0.0000	0.0002%	1149	349	3.3	2		30		6.0145E-10
5	8.74	A-BHC	0.0180	6.4538%	215901	64999	3.3	1	30	30	0	8.3348E-08
6	9.40		0.0000	0.0003%	1224	272	4.5	2		30		6.0145E-10
7	9.68	LINDANE	0.0180	6.4623%	184946	54150	3.4	2	30	30	0	9.7425E-08
8	10.20		0.0000	0.0004%	1681	311	5.4	1		30		6.0145E-10
9	10.45	HEPTACHLOR	0.0182	6.5334%	145336	33285	4.4	2	30	30	0	1.2534E-07
10	10.85		0.0000	0.0004%	2028	461	4.4	2		30		6.0145E-10
11	11.23	ALDRIN	0.0179	6.4178%	164608	39213	4.2	1	30	30	0	1.0871E-07
12	11.83		0.0000	0.0015%	7121	1427	5.0	1		30		6.0145E-10
13	12.32		0.0000	0.0004%	1657	302	5.5	1		30		6.0145E-10
14	12.57	HEPT.EPOXIDE	0.0181	6.4771%	163661	37202	4.4	2	30	30	0	1.1035E-07
15	13.12		0.0000	0.0005%	2217	274	8.1	2		30		6.0145E-10
16	13.29		0.0000	0.0003%	1528	363	4.2	2		30		6.0145E-10
17	13.49	ENDO I	0.0269	9.6554%	230740	52190	4.4	2	30	30	0	1.1667E-07
18	13.96		0.0000	0.0017%	7797	1316	5.9	2		30		6.0145E-10
19	14.29	DIELDRIN	0.0270	9.6970%	219411	47609	4.6	1	30	30	0	1.2323E-07
20	15.07		0.0000	0.0002%	1019	235	4.3	1		30		6.0145E-10
21	15.32	ENDRIN	0.0271	9.7122%	146389	30486	4.8	1	30	30	0	1.8499E-07
22	15.49		0.0000	0.0023%	10746	2496	4.3	1		30		6.0145E-10
23	15.84	ENDO II	0.0361	12.9491%	281377	54387	5.2	1	30	30	0	1.2832E-07
24	16.48	DDT	0.0353	12.6718%	159539	30352	5.3	1	30	30	0	2.2146E-07
25	16.94		0.0000	0.0048%	22093	3409	6.5	1		30		6.0145E-10
26	17.40		0.0000	0.0003%	1324	207	6.4	1		30		6.0145E-10
27	18.31		0.0000	0.0005%	2095	168	12.5	1		30		6.0145E-10
28	18.81		0.0000	0.0004%	2013	235	8.6	1		30		6.0145E-10
29	20.28	METHOXYCHLOR	0.0361	12.9540%	81912	10419	7.9	1	30	30	0	4.4094E-07
30	20.99	MIREX	1.0000	0.0000%	166266	16857	9.9	1	30	30	0	6.0145E-06

KM 5-26-93

PRIMARY COL

Data File = J:1HOD7.PTS Printed on 05-26-1993 at 12:07:23
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 12:08:14 Version 4.1 **********

* Sample Name: PEST A L5 Data File: J:1HOD8 *
* Date: 05-25-1993 21:12:22 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 8 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0004%	2806	580	4.8	1		33		5.7369E-10
2	5.57		0.0000	0.0006%	3907	941	4.2	1		33		5.7369E-10
3	7.73		0.0000	0.0005%	3558	904	3.9	2		33		5.7369E-10
4	7.93		0.0000	0.0003%	1640	505	3.2	2		33		5.7369E-10
5	8.63		0.0000	0.0002%	1567	442	3.5	2		33		5.7369E-10
6	8.74	A-BHC	0.0248	6.5946%	312065	94899	3.3	2	33	33	0	7.9501E-08
7	9.40		0.0000	0.0002%	1612	363	4.4	2		33		5.7369E-10
8	9.68	LINDANE	0.0245	6.4995%	263124	78189	3.4	2	33	33	0	9.2929E-08
9	10.20		0.0000	0.0003%	1988	449	4.4	1		33		5.7369E-10
10	10.45	HEPTACHLOR	0.0235	6.2347%	196185	44524	4.4	2	33	33	0	1.1956E-07
11	10.85		0.0000	0.0007%	4588	758	6.0	2		33		5.7369E-10
12	11.03		0.0000	0.0016%	10631	1798	5.9	2		33		5.7369E-10
13	11.23	ALDRIN	0.0244	6.4845%	235266	57076	4.1	2	33	33	0	1.0369E-07
14	11.83		0.0000	0.0004%	2691	654	4.1	1		33		5.7369E-10
15	12.32		0.0000	0.0003%	2120	394	5.4	1		33		5.7369E-10
16	12.57	HEPT.EPOXIDE	0.0239	6.3494%	226944	52338	4.3	2	33	33	0	1.0525E-07
17	13.12		0.0000	0.0004%	2727	337	8.1	2		33		5.7369E-10
18	13.29		0.0000	0.0004%	2327	541	4.3	2		33		5.7369E-10
19	13.49	ENDO I	0.0361	9.5881%	324120	73042	4.4	2	33	33	0	1.1129E-07
20	13.84		0.0000	0.0003%	2101	399	5.3	2		33		5.7369E-10
21	13.96		0.0000	0.0018%	11488	1846	6.2	2		33		5.7369E-10
22	14.29	DIELDRIN	0.0361	9.6009%	307292	66453	4.6	1	33	33	0	1.1754E-07
23	15.07		0.0000	0.0003%	1783	370	4.8	1		33		5.7369E-10
24	15.32	ENDRIN	0.0362	9.6108%	204913	42168	4.9	1	33	33	0	1.7645E-07
25	15.49		0.0000	0.0019%	12340	3170	3.9	1		33		5.7369E-10
26	15.86	ENDO II	0.0483	12.8301%	394366	75996	5.2	1	33	33	0	1.2239E-07
27	16.49	DDT	0.0497	13.2171%	235390	44514	5.3	1	33	33	0	2.1124E-07
28	16.96		0.0000	0.0034%	22462	3609	6.2	1		33		5.7369E-10
29	17.40		0.0000	0.0002%	1568	248	6.3	1		33		5.7369E-10
30	18.31		0.0000	0.0004%	2784	240	11.6	1		33		5.7369E-10
31	18.83		0.0000	0.0004%	2653	283	9.4	1		33		5.7369E-10

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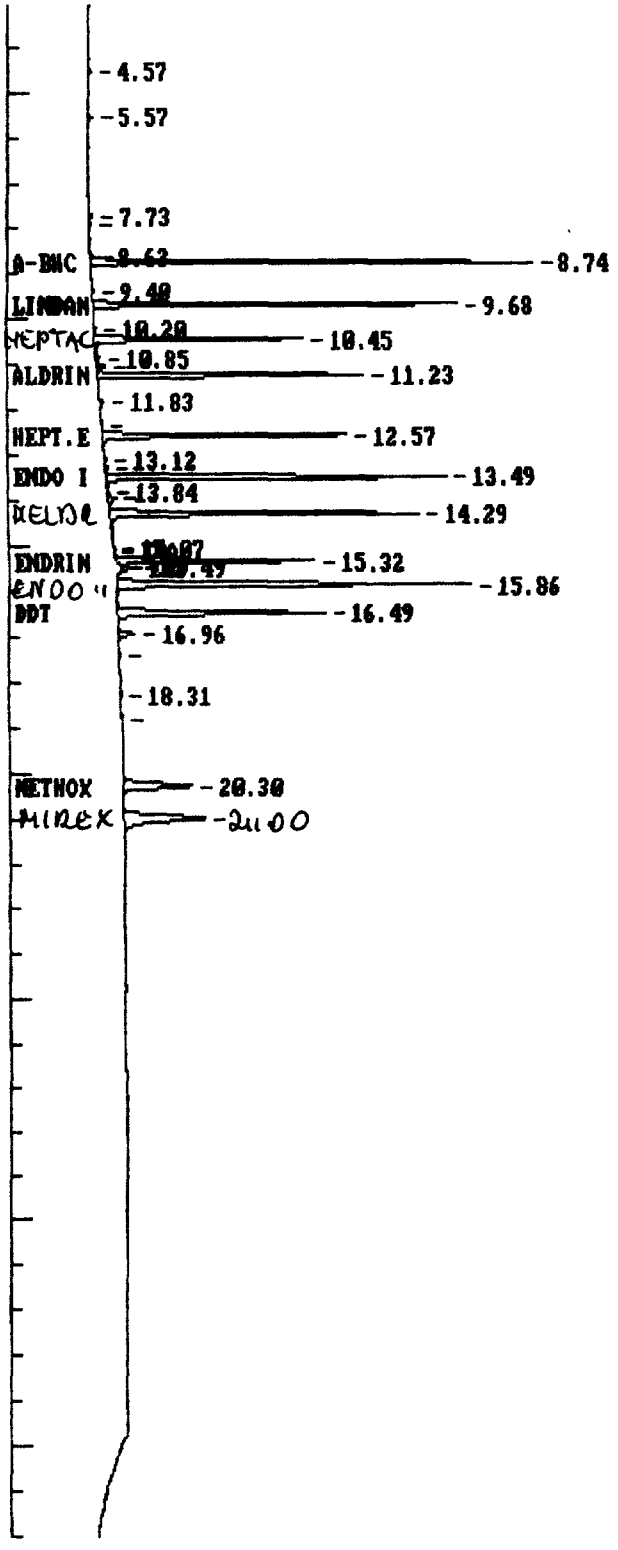
32	20.30	METHOXYCHLOR	0.0488	[illegible]	[illegible]	[illegible]	[illegible]	33	33	0	[illegible]
33	21.00	MIREX	1.0000	0.0000%	174311	17354	[illegible]	33	33	0	5.7369E-06

TOTAL AMOUNT = 0.3762

PRIMARY COLUMN

Data File = J:1HOD8.PTS Printed on 05-26-1993 at 12:09:04
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 15:56:28 Version 4.1 **********

* Sample Name: PEST A L3 #1 Data File: J:1HOD27 *
* Date: 05-26-1993 10:30:14 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 27 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0009%	3236	673	4.8	1		28		5.7226E-10
2	5.57		0.0000	0.0006%	2241	543	4.1	1		28		5.7226E-10
3	7.07		0.0000	0.0003%	1053	281	3.7	1		28		5.7226E-10
4	7.73		0.0000	0.0006%	1950	498	3.9	1		28		5.7226E-10
5	8.74	A-BHC	0.0117	5.8186%	147266	44261	3.3	1	28	28	0	7.9303E-08
6	9.40		0.0000	0.0002%	866	191	4.5	2		28		5.7226E-10
7	9.68	LINDANE	0.0122	6.0987%	132051	38652	3.4	2	28	28	0	9.2698E-08
8	10.45	HEPTACHLOR	0.0139	6.9024%	116164	25850	4.5	3	28	28	0	1.1926E-07
9	10.83		0.0000	0.0006%	2178	415	5.2	4		28		5.7226E-10
10	11.03		0.0000	0.0010%	3511	699	5.0	2		28		5.7226E-10
11	11.23	ALDRIN	0.0122	6.0732%	117848	28047	4.2	2	28	28	0	1.0343E-07
12	11.83		0.0000	0.0017%	5923	1213	4.9	1		28		5.7226E-10
13	12.32		0.0000	0.0003%	1057	201	5.2	2		28		5.7226E-10
14	12.57	HEPT.EPOXIDE	0.0126	6.2870%	120185	28050	4.3	2	28	28	0	1.0499E-07
15	13.10		0.0000	0.0006%	2260	211	10.7	1		28		5.7226E-10
16	13.49	ENDO I	0.0184	9.1846%	166057	37848	4.4	1	28	28	0	1.1101E-07
17	13.96		0.0000	0.0013%	4565	1070	4.3	1		28		5.7226E-10
18	14.29	DIELDRIN	0.0193	9.6148%	164590	36439	4.5	1	28	28	0	1.1725E-07
19	15.32	ENDRIN	0.0194	9.6409%	109938	22989	4.8	1	28	28	0	1.7601E-07
20	15.49		0.0000	0.0022%	7653	1716	4.5	1		28		5.7226E-10
21	15.84	ENDO II	0.0252	12.5653%	206568	40134	5.1	1	28	28	-.1053	1.2209E-07
22	16.48	DDT	0.0269	13.4162%	127792	23924	5.3	1	28	28	-.1012	2.1072E-07
23	16.94		0.0000	0.0051%	17902	2523	7.1	1		28		5.7226E-10
24	17.40		0.0000	0.0004%	1272	180	7.1	1		28		5.7226E-10
25	18.30		0.0000	0.0005%	1786	145	12.3	1		28		5.7226E-10
26	18.81		0.0000	0.0005%	1823	213	8.6	1		28		5.7226E-10
27	20.28	METHOXYCHLOR	0.0289	14.3807%	68797	8762	7.9	1	28	28	0	4.1955E-07
28	21.00	MIREX	1.0000	0.0000%	174745	17915	9.8	1	28	28	0	5.7226E-06
29	26.45		0.0000	0.0008%	2788	219	12.7	1		28		5.7226E-10

TOTAL AMOUNT = 0.2007

KM
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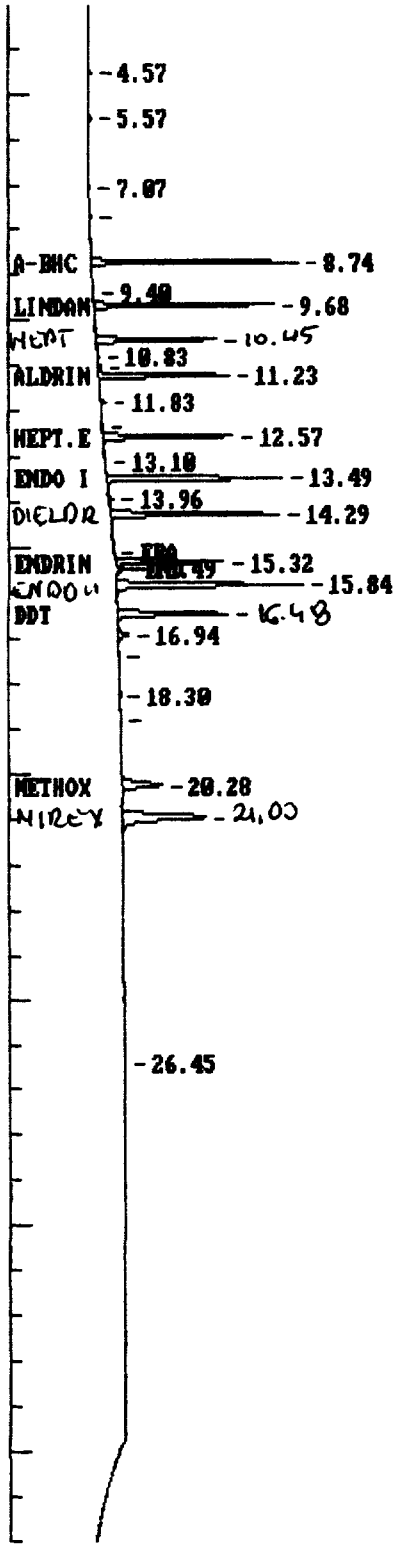
PRIMARY COLUMN

Data File = J:1HOD27.PTS Printed on 05-26-1993 at 15:57:13
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-28-1993 13:48:38 Version 4.1 **********

* Sample Name: PEST A L3 #2 Data File: J:1HOD35 *
* Date: 05-26-1993 16:01:19 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 35 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

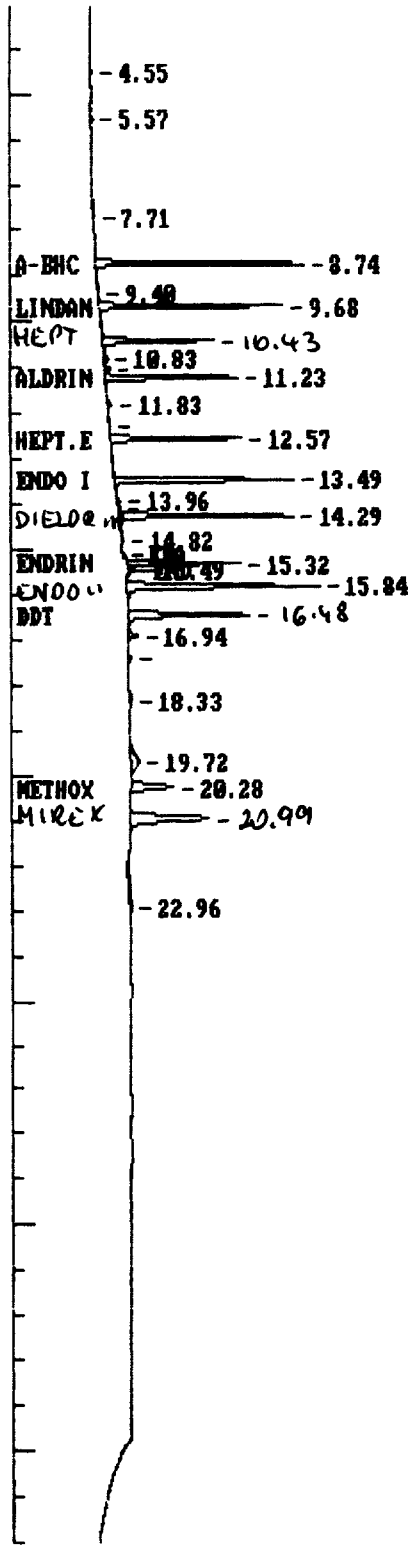
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.55		0.0000	0.0005%	1863	369	5.0	1		28		6.3150E-10
2	5.57		0.0000	0.0004%	1458	378	3.9	1		28		6.3150E-10
3	7.71		0.0000	0.0010%	3652	373	9.8	1		28		6.3150E-10
4	8.74	A-BHC	0.0135	5.8320%	153754	44766	3.4	2	28	28	0	8.7512E-08
5	9.40		0.0000	0.0002%	854	135	6.3	2		28		6.3150E-10
6	9.68	LINDANE	0.0141	6.1220%	138079	39447	3.5	2	28	28	0	1.0229E-07
7	10.43	HEPTACHLOR	0.0149	6.4506%	113083	24044	4.7	3	28	28	0	1.3161E-07
8	10.83		0.0000	0.0011%	3855	682	5.7	4		28		6.3150E-10
9	11.03		0.0000	0.0017%	6164	1028	6.0	2		28		6.3150E-10
10	11.23	ALDRIN	0.0138	5.9875%	121027	28370	4.3	2	28	28	0	1.1414E-07
11	11.83		0.0000	0.0013%	4785	943	5.1	2		28		6.3150E-10
12	12.30		0.0000	0.0004%	1563	221	7.1	2		28		6.3150E-10
13	12.57	HEPT.EPOXIDE	0.0138	6.0002%	119483	28175	4.2	2	28	28	0	1.1586E-07
14	13.49	ENDO I	0.0206	8.9099%	167801	38457	4.4	1	28	28	0	1.2251E-07
15	13.96		0.0000	0.0009%	3256	677	4.8	2		28		6.3150E-10
16	14.11		0.0000	0.0004%	1435	330	4.4	2		28		6.3150E-10
17	14.29	DIELDRIN	0.0217	9.3868%	167383	37481	4.5	1	28	28	0	1.2939E-07
18	14.82		0.0000	0.0005%	1827	418	4.4	1		28		6.3150E-10
19	15.32	ENDRIN	0.0228	9.8998%	117595	24581	4.8	1	28	28	0	1.9423E-07
20	15.49		0.0000	0.0018%	6483	1562	4.2	1		28		6.3150E-10
21	15.84	ENDO II	0.0292	12.6622%	216834	41593	5.2	1	28	28	0	1.3473E-07
22	16.48	DDT	0.0330	14.3199%	142083	26092	5.4	1	28	28	0	2.3253E-07
23	16.94		0.0000	0.0039%	14167	2097	6.8	1		28		6.3150E-10
24	17.43		0.0000	0.0019%	6880	897	7.7	1		28		6.3150E-10
25	18.33		0.0000	0.0014%	5295	336	15.8	1		28		6.3150E-10
26	19.72		0.0000	0.0116%	42414	1785	23.8	1		28		6.3150E-10
27	20.28	METHOXYCHLOR	0.0332	14.3965%	71742	9228	7.8	1	28	28	0	4.6298E-07
28	20.99	MIREX	1.0000	0.0000%	158353	17099	9.3	1	28	28	0	6.3150E-06
29	22.96		0.0000	0.0036%	13064	213	61.4	1		28		6.3150E-10

TOTAL AMOUNT = 0.2307

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD35.PTS Printed on 05-28-1993 at 13:49:23
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-28-1993 13:50:13 Version 4.1 **********

* Sample Name: PEST A L3 #3 Data File: J:1HOD43 *
* Date: 05-26-1993 21:20:44 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 43 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~<SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

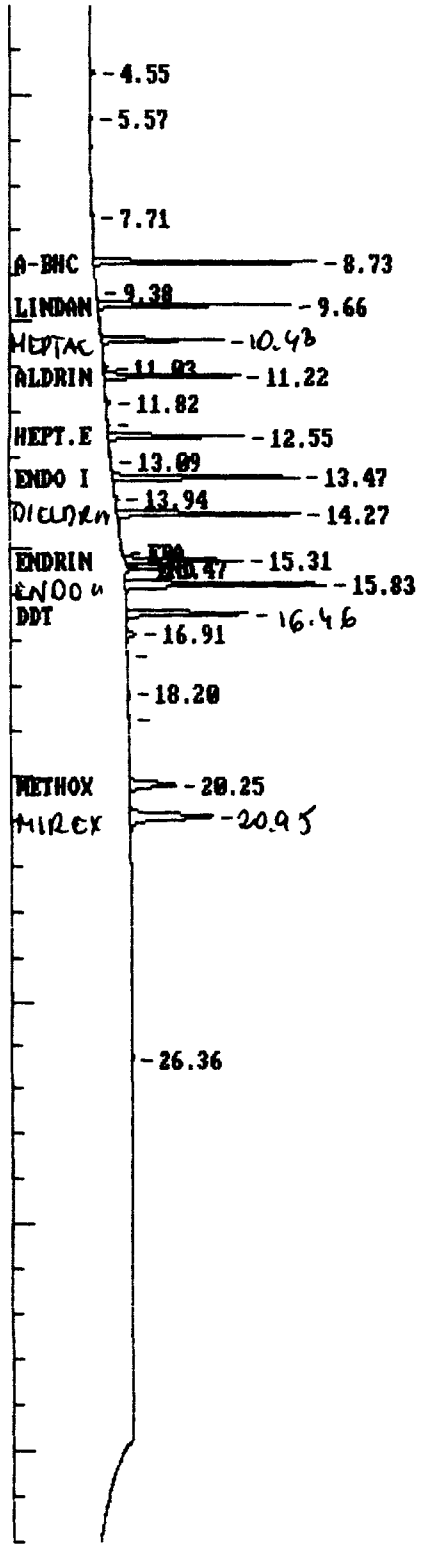
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.55		0.0000	0.0012%	4323	935	4.6	1		26		5.9549E-10
2	5.57		0.0000	0.0004%	1639	421	3.9	1		26		5.9549E-10
3	7.71		0.0000	0.0004%	1572	390	4.0	1		26		5.9549E-10
4	8.73	A-BHC	0.0132	5.9520%	160409	47970	3.3	1	26	26	0	8.2522E-08
5	9.38		0.0000	0.0002%	636	158	4.0	2		26		5.9549E-10
6	9.66	LINDANE	0.0139	6.2462%	144013	41830	3.4	2	26	26	0	9.6461E-08
7	10.43	HEPTACHLOR	0.0135	6.0833%	109017	26251	4.2	1	26	26	0	1.2410E-07
8	11.03		0.0000	0.0012%	4515	987	4.6	2		26		5.9549E-10
9	11.22	ALDRIN	0.0132	5.9387%	122710	29282	4.2	2	26	26	0	1.0763E-07
10	11.82		0.0000	0.0016%	5942	1030	5.8	2		26		5.9549E-10
11	12.29		0.0000	0.0006%	2058	338	6.1	2		26		5.9549E-10
12	12.55	HEPT.EPOXIDE	0.0137	6.1399%	124984	29157	4.3	2	26	26	.1059	1.0926E-07
13	13.09		0.0000	0.0005%	2018	176	11.5	2		26		5.9549E-10
14	13.47	ENDO I	0.0199	8.9553%	172409	40024	4.3	1	26	26	.1149	1.1552E-07
15	13.94		0.0000	0.0009%	3231	737	4.4	1		26		5.9549E-10
16	14.27	DIELDRIN	0.0213	9.5788%	174605	39496	4.4	1	26	26	.1219	1.2201E-07
17	15.31	ENDRIN	0.0223	10.0045%	121482	25378	4.8	1	26	26	.1298	1.8316E-07
18	15.47		0.0000	0.0015%	5503	2002	2.7	1		26		5.9549E-10
19	15.83	ENDO II	0.0275	12.3559%	216296	43315	5.0	1	26	26	0	1.2705E-07
20	16.46	DDT	0.0300	13.5109%	137039	26118	5.2	1	26	26	0	2.1927E-07
21	16.91		0.0000	0.0043%	16125	2113	7.6	1		26		5.9549E-10
22	17.38		0.0000	0.0002%	893	115	7.7	1		26		5.9549E-10
23	18.20		0.0000	0.0006%	2237	227	9.8	1		26		5.9549E-10
24	18.78		0.0000	0.0006%	2078	232	9.0	1		26		5.9549E-10
25	20.25	METHOXYCHLOR	0.0338	15.2196%	77531	9858	7.9	1	26	26	0	4.3658E-07
26	20.95	MIREX	1.0000	0.0000%	167928	17805	9.4	1	26	26	0	5.9549E-06
27	26.36		0.0000	0.0007%	2616	214	12.2	1		26		5.9549E-10

TOTAL AMOUNT = 0.2224

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD43.PTS Printed on 05-28-1993 at 13:50:57
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 06-26-1993 15:05:22 Version 4.1 **********

* Sample Name: PEST A L3 #4 Data File: J:1HOD48 *
* Date: 06-24-1993 16:12:46 Method: J:1PESTAI 05-26-1993 14:54:25 # 328*
* Interface: 0 Cycle#: 48 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

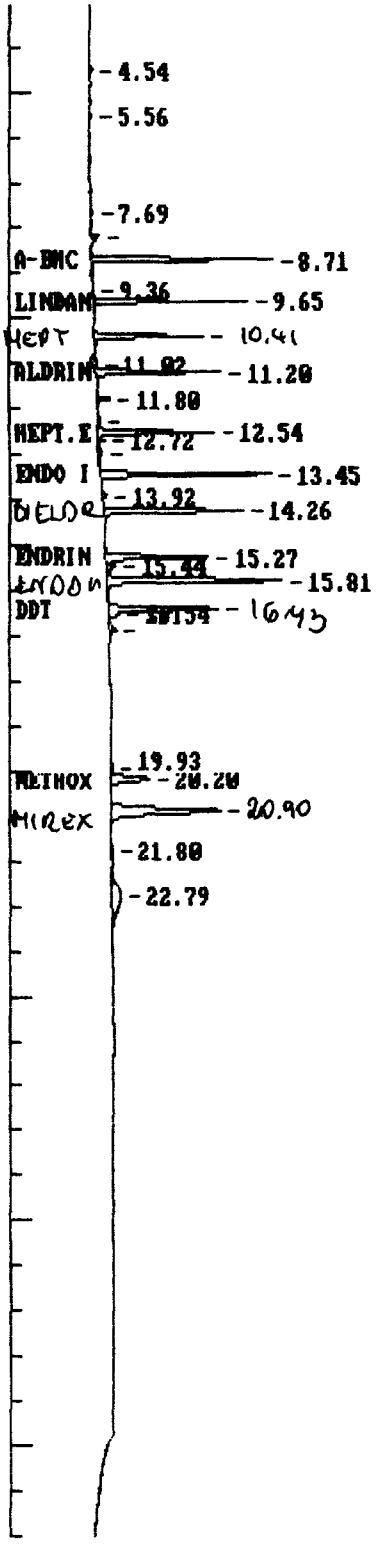
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.54		0.0000	0.0005%	1922	401	4.8	1		27		4.4470E-10
2	5.56		0.0000	0.0004%	1758	391	4.5	1		27		4.4470E-10
3	7.69		0.0000	0.0004%	1510	374	4.0	1		27		4.4470E-10
4	8.19		0.0000	0.0012%	4906	1517	3.2	1		27		4.4470E-10
5	8.71	A-BHC	0.0099	5.5627%	133932	38988	3.4	1	27	27	.1276	7.3965E-08
6	9.36		0.0000	0.0003%	1396	191	7.3	2		27		4.4470E-10
7	9.65	LINDANE	0.0102	5.7517%	116440	33217	3.5	2	27	27	.1462	8.7967E-08
8	10.41	HEPTACHLOR	0.0108	6.0568%	100295	23176	4.3	1	27	27	.1589	1.0754E-07
9	11.02		0.0000	0.0021%	8304	848	9.8	2		27		4.4470E-10
10	11.20	ALDRIN	0.0105	5.8925%	116431	26997	4.3	2	27	27	.1702	9.0127E-08
11	11.80		0.0000	0.0030%	11969	2609	4.6	1		27		4.4470E-10
12	12.29		0.0000	0.0010%	4175	395	10.6	2		27		4.4470E-10
13	12.54	HEPT.EPOXIDE	0.0107	6.0121%	112147	24989	4.5	3	27	27	.1861	9.5468E-08
14	12.72		0.0000	0.0016%	6310	1575	4.0	4		27		4.4470E-10
15	12.99		0.0000	0.0029%	11558	848	13.6	2		27		4.4470E-10
16	13.45	ENDO I	0.0159	8.9172%	163015	36611	4.5	2	27	27	.1952	9.7415E-08
17	13.92		0.0000	0.0011%	4306	869	5.0	1		27		4.4470E-10
18	14.26	DIELDRIN	0.0154	8.6555%	138328	29866	4.6	1	27	27	.2021	1.1143E-07
19	15.27	ENDRIN	0.0196	11.0226%	123365	22031	5.6	3	27	27	.1006	1.5912E-07
20	15.44		0.0000	0.0043%	17366	1751	9.9	4		27		4.4470E-10
21	15.81	ENDO II	0.0224	12.5975%	208687	37583	5.6	2	27	27	.2137	1.0750E-07
22	16.43	DDT	0.0267	14.9935%	134269	23473	5.7	3	27	27	.1160	1.9886E-07
23	16.54		0.0000	0.0009%	3793	693	5.5	4		27		4.4470E-10
24	16.89		0.0000	0.0026%	10212	1380	7.4	1		27		4.4470E-10
25	19.93		0.0000	0.0004%	1466	185	7.9	2		27		4.4470E-10
26	20.20	METHOXYCHLOR	0.0258	14.4965%	64712	8157	7.9	2	27	27	0	3.9894E-07
27	20.90	MIREX	1.0000	0.0000%	224870	23533	9.6	1	27	27	0	4.4470E-06
28	21.80		0.0000	0.0004%	1599	170	9.4	1		27		4.4470E-10
29	22.79		0.0000	0.0184%	73831	1807	40.9	1		27		4.4470E-10

TOTAL AMOUNT = 0.1781

KM
6-26-93

PRIMARY COLUMN

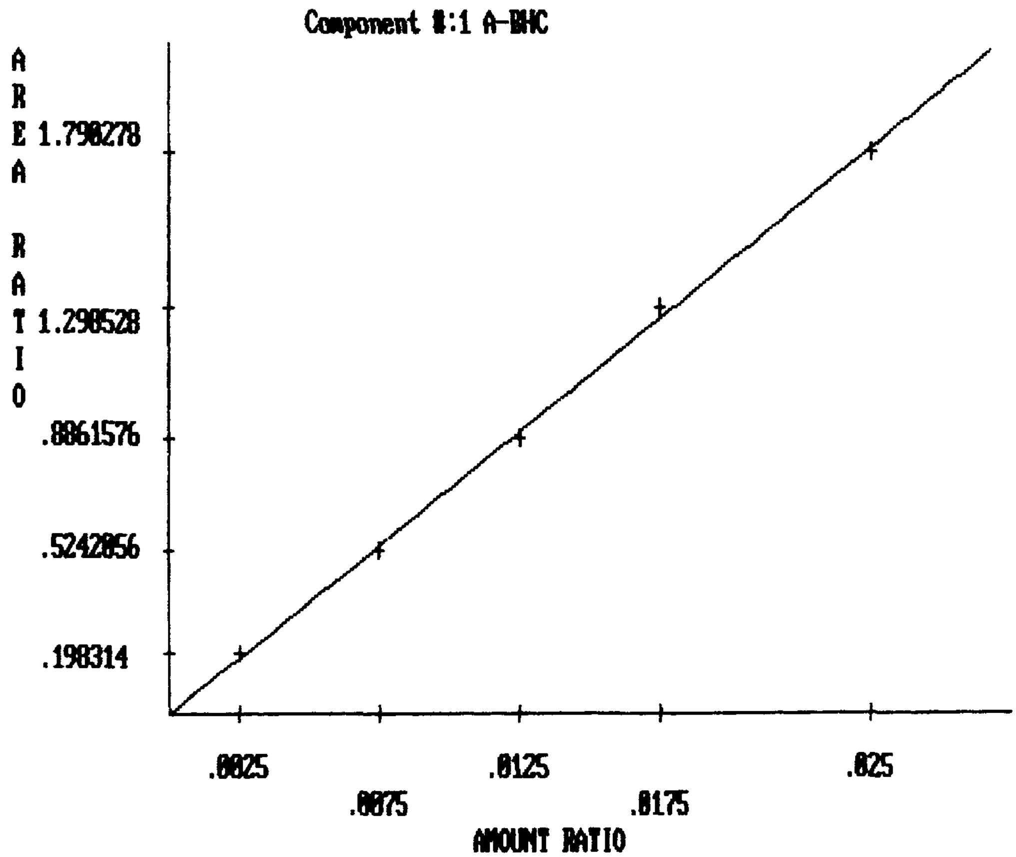
Areas, times, and heights stored in: J:1HOD48.ATB
Data File = J:1HOD48.PTS Printed on 06-26-1993 at 15:06:03
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

PRIMARY COLUMN

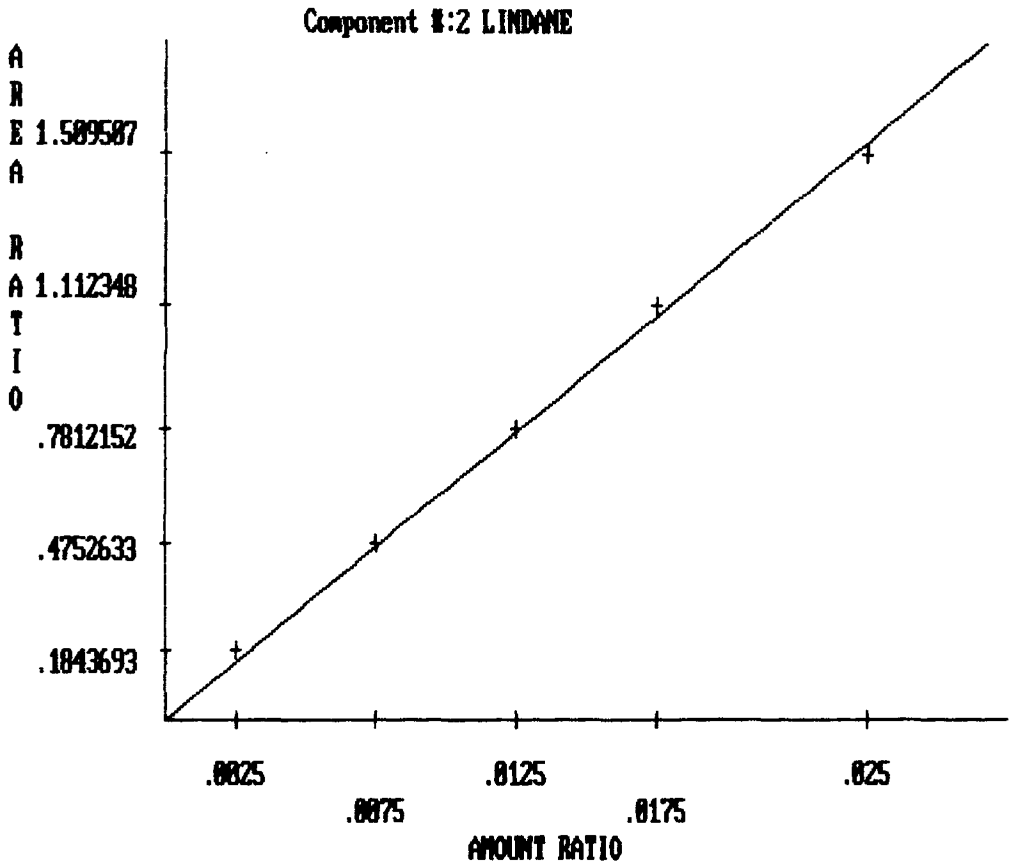
Method J:1PESTAI WM
Sample PEST A STD METHOD DB-608 COLUMN
Operator KM & ST
Run date 05-26-1993 11:46:48 version: 327
Printed on 05-26-1993 AT 15:00:33
Straight Line Fit forced through Origin.



Component 1 = A-BHC
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	28756	0.0025	0.1983
2	0.0075	79085	0.0075	0.5242
3	0.0125	141368	0.0125	0.8862
4	0.0175	215901	0.0175	1.2985
5	0.0250	312065	0.0250	1.7903

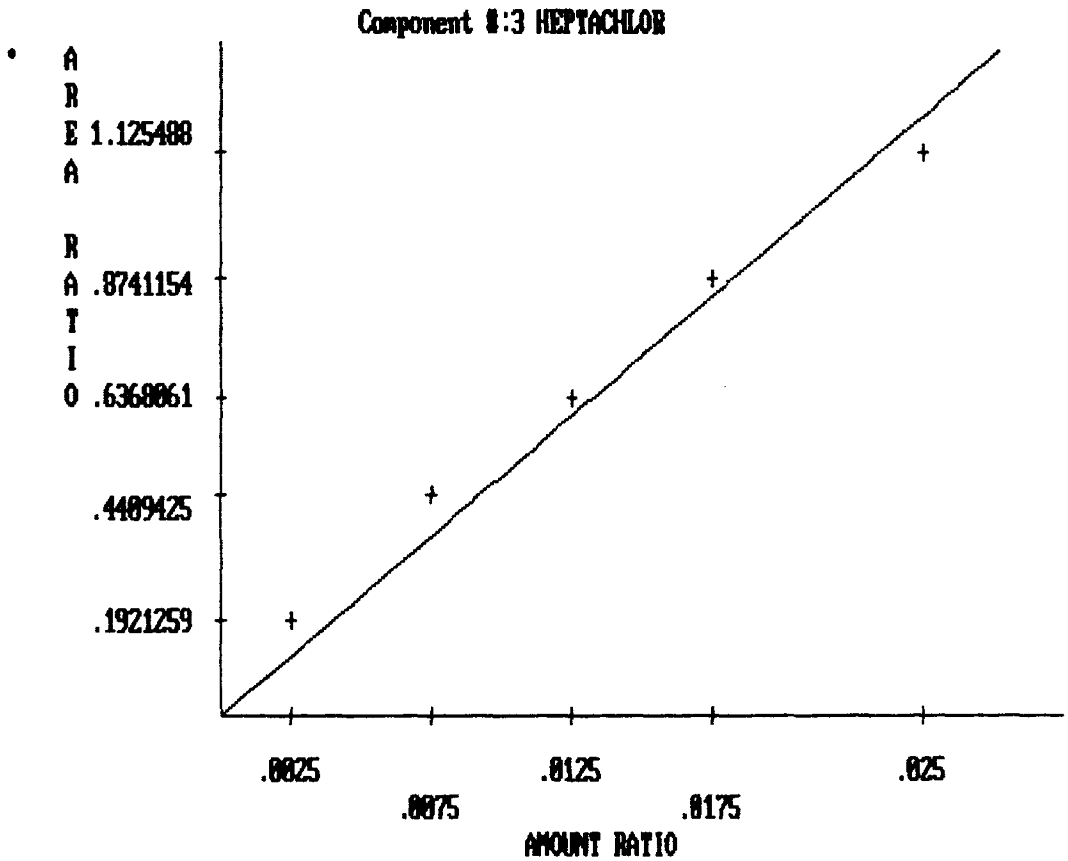
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 7.2161E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.3858E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9996



Component 2 = LINDANE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	26734	0.0025	0.1844
2	0.0075	71701	0.0075	0.4753
3	0.0125	124627	0.0125	0.7812
4	0.0175	184946	0.0175	1.1123
5	0.0250	263124	0.0250	1.5095

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 6.1734E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.6198E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9992



Component 3 = HEPTACHLOR

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	27859	0.0025	0.1921
2	0.0075	66523	0.0075	0.4409
3	0.0125	101589	0.0125	0.6368
4	0.0175	145336	0.0175	0.8741
5	0.0250	196185	0.0250	1.1255

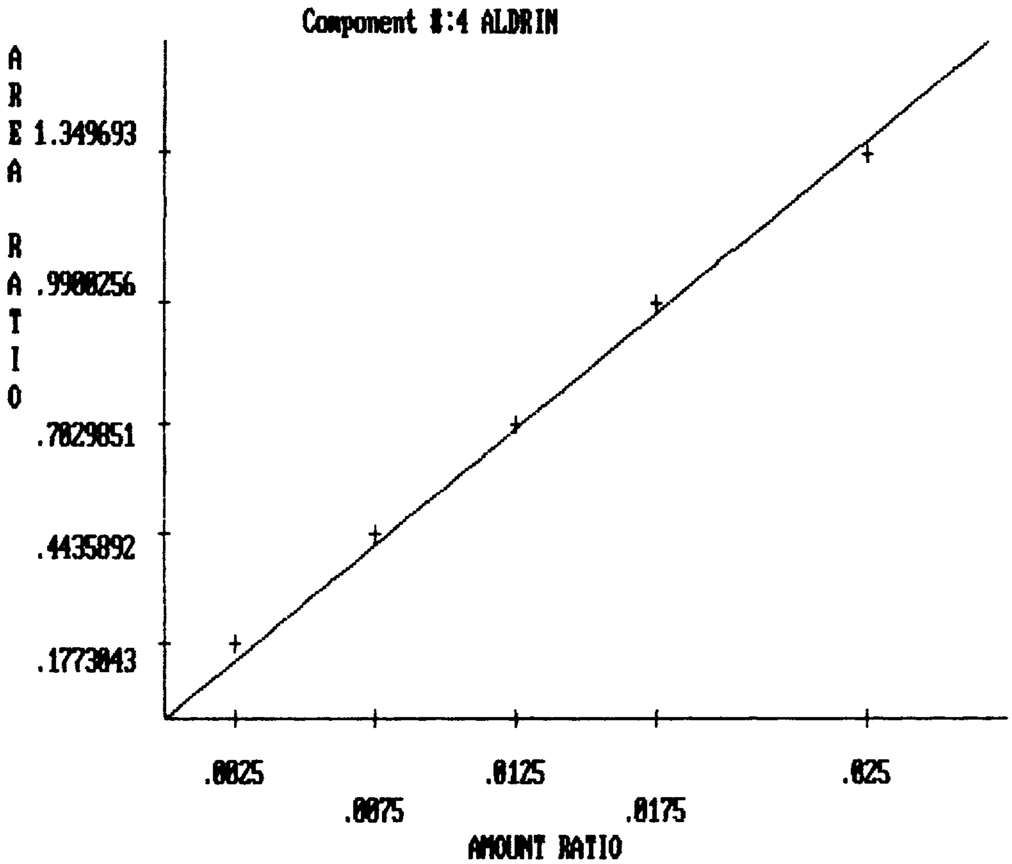
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 4.7984E+01 * Amt ratio + 0.0000E+00

Amt ratio = 2.0840E-02 * Area ratio + 0.0000E+00

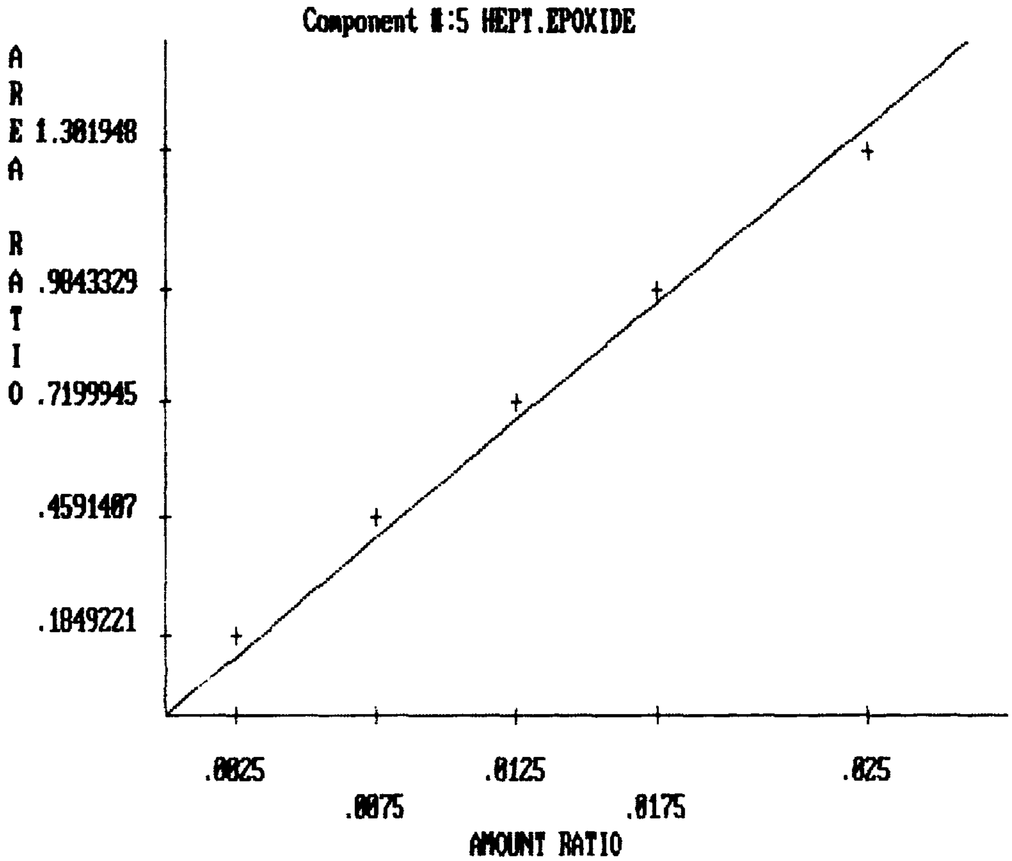
Correlation Coefficient = 0.9926



Component 4 = ALDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	25710	0.0025	0.1773
2	0.0075	66923	0.0075	0.4436
3	0.0125	112147	0.0125	0.7030
4	0.0175	164608	0.0175	0.9900
5	0.0250	235266	0.0250	1.3497

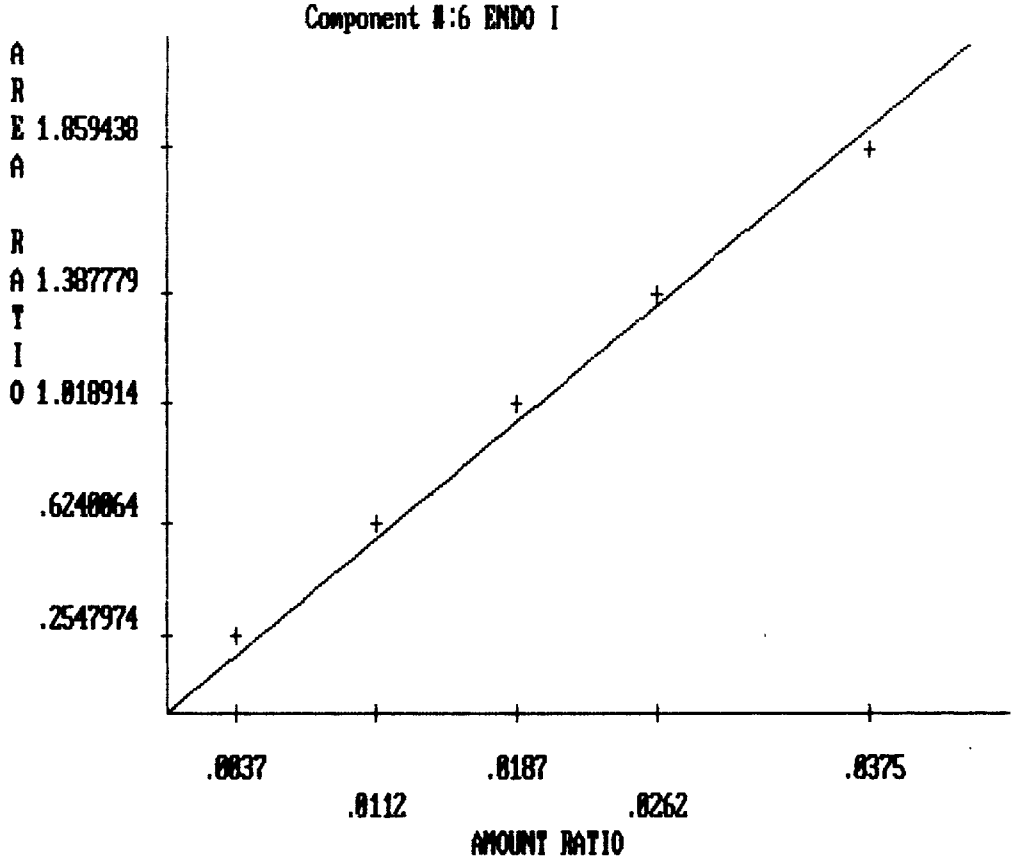
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.5326E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.8075E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9988



Component 5 = HEPT.EPOXIDE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	26815	0.0025	0.1849
2	0.0075	69269	0.0075	0.4591
3	0.0125	114860	0.0125	0.7200
4	0.0175	163661	0.0175	0.9843
5	0.0250	226944	0.0250	1.3019

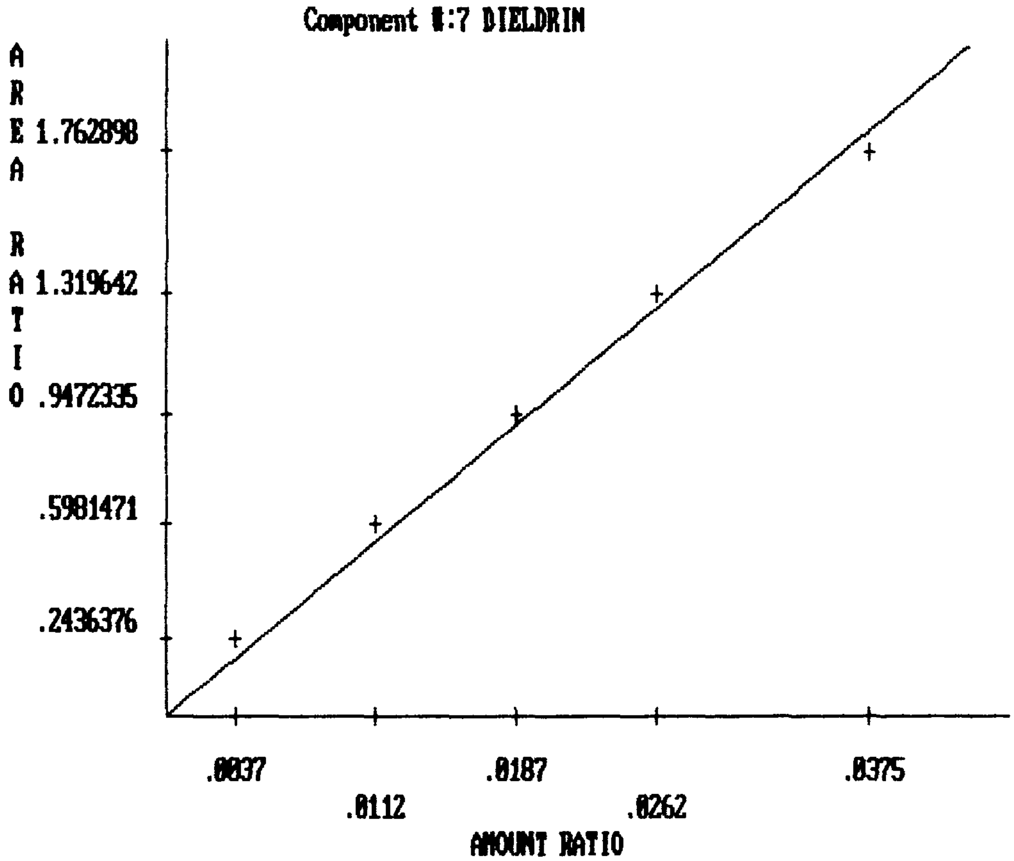
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.4505E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.8347E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9968



Component 6 = ENDO I
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	36947	0.0037	0.2548
2	0.0112	94141	0.0112	0.6240
3	0.0187	162547	0.0187	1.0189
4	0.0262	230740	0.0262	1.3878
5	0.0375	324120	0.0375	1.8594

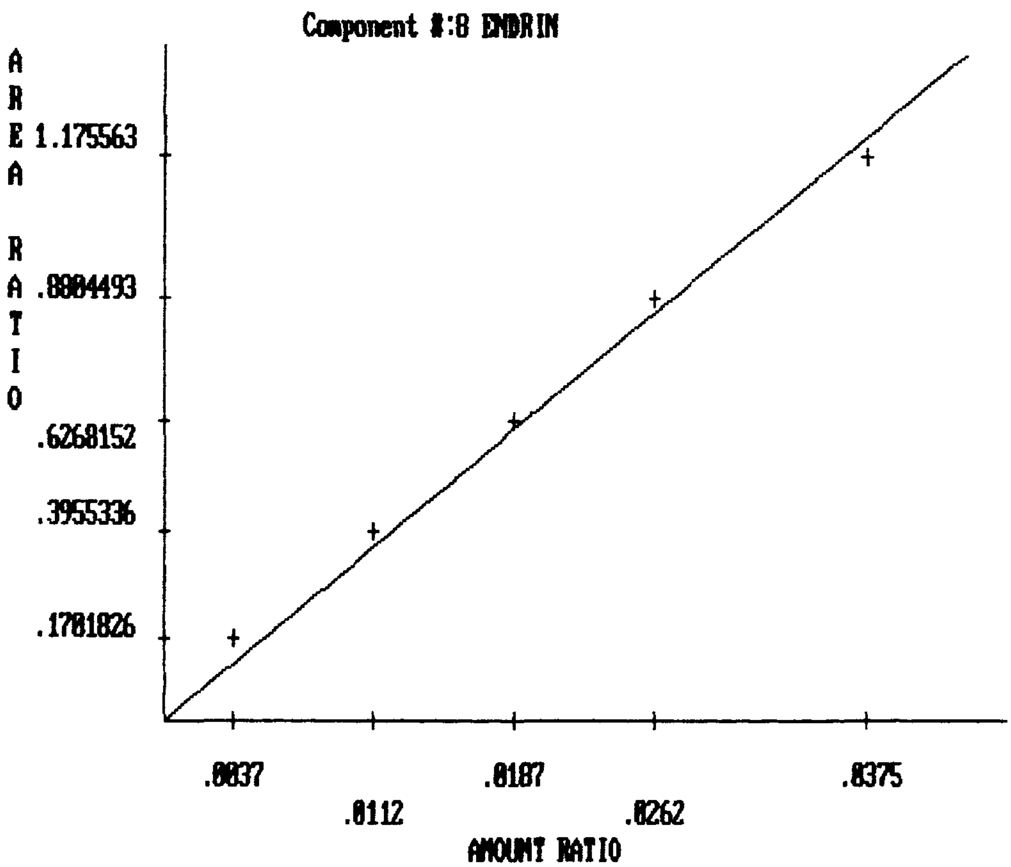
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.1549E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.9399E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9977



Component 7 = DIELDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	35329	0.0037	0.2436
2	0.0112	90240	0.0112	0.5981
3	0.0187	151112	0.0187	0.9472
4	0.0262	219411	0.0262	1.3196
5	0.0375	307292	0.0375	1.7629

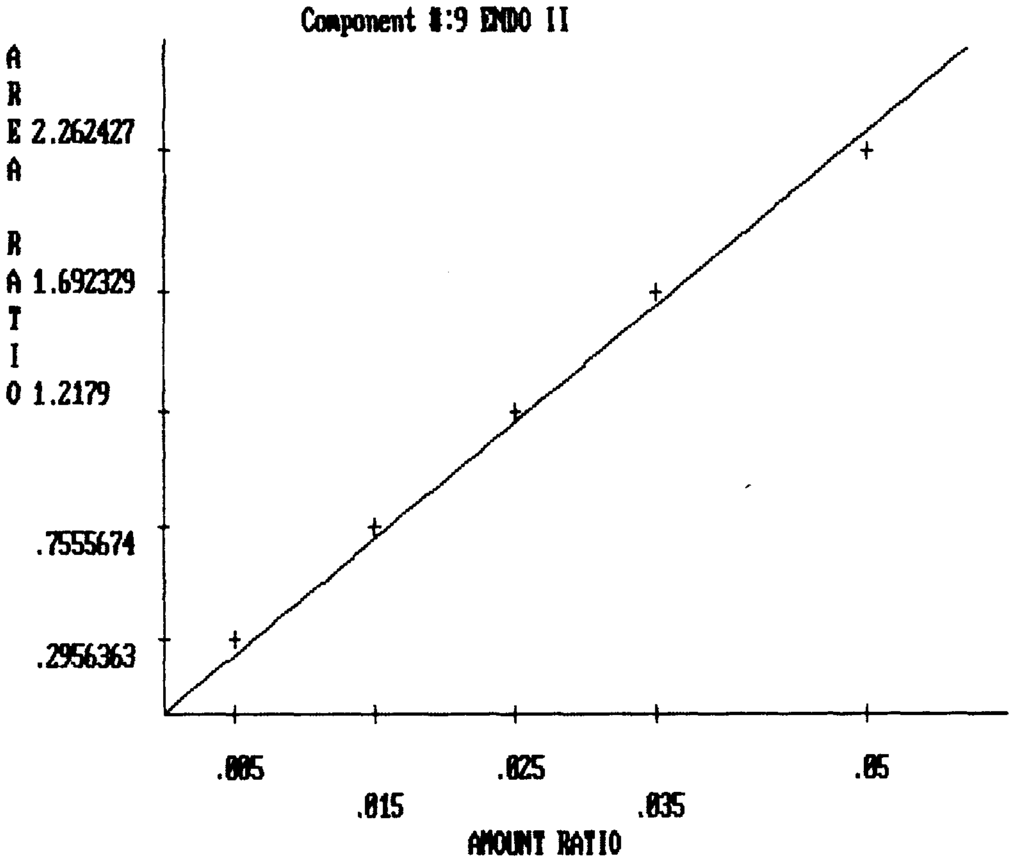
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 4.8808E+01 * Amt ratio + 0.0000E+00
Amt ratio = 2.0489E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9977



Component 8 = ENDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	24677	0.0037	0.1702
2	0.0112	59673	0.0112	0.3955
3	0.0187	99995	0.0187	0.6268
4	0.0262	146389	0.0262	0.8804
5	0.0375	204913	0.0375	1.1756

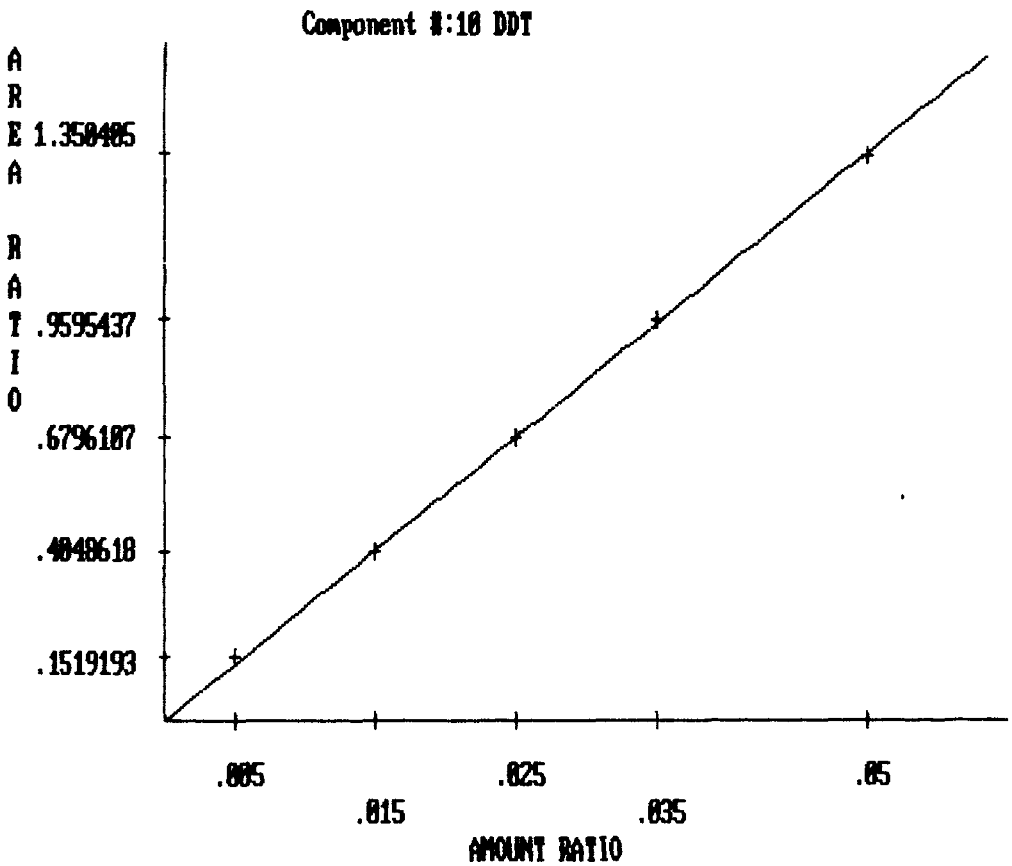
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 3.2513E+01 * Amt ratio + 0.0000E+00
Amt ratio = 3.0757E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9976



Component 9 = ENDO II
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	42869	0.0050	0.2956
2	0.0150	113990	0.0150	0.7556
3	0.0250	194291	0.0250	1.2179
4	0.0350	281377	0.0350	1.6923
5	0.0500	394366	0.0500	2.2624

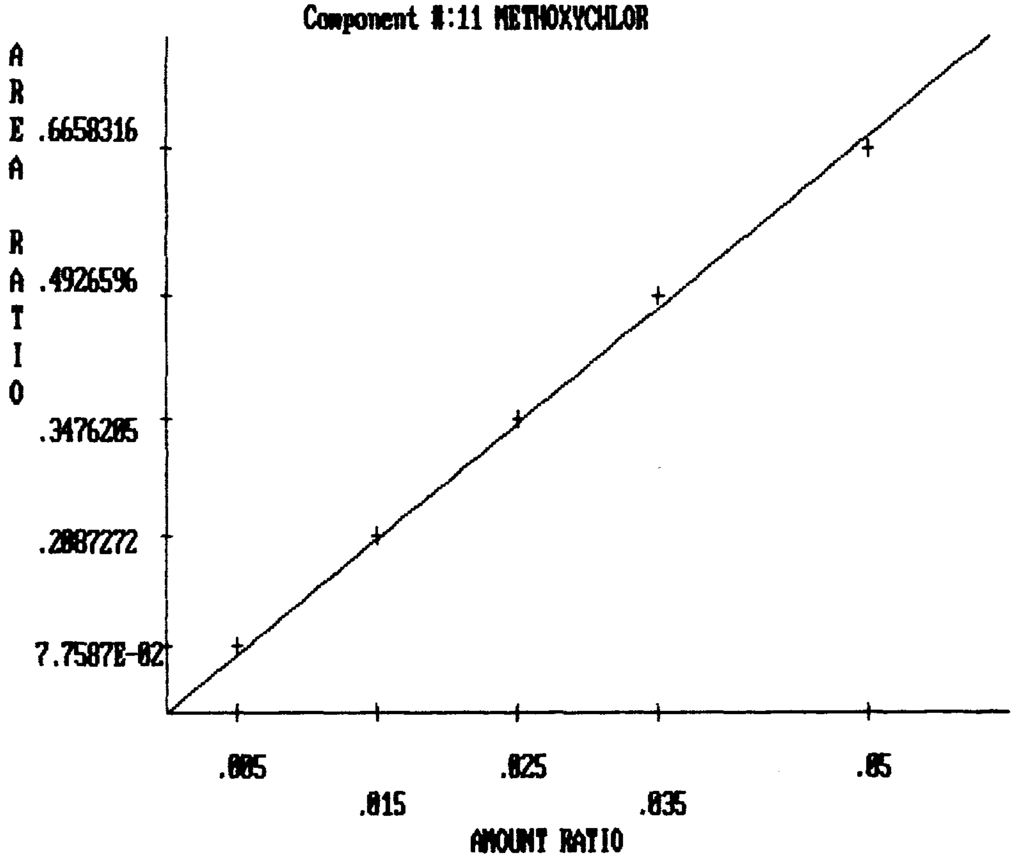
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 4.6872E+01 * Amt ratio + 0.0000E+00
Amt ratio = 2.1335E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9982



Component 10 = DDT
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	22029	0.0050	0.1519
2	0.0150	61080	0.0150	0.4049
3	0.0250	108418	0.0250	0.6796
4	0.0350	159539	0.0350	0.9595
5	0.0500	235390	0.0500	1.3504

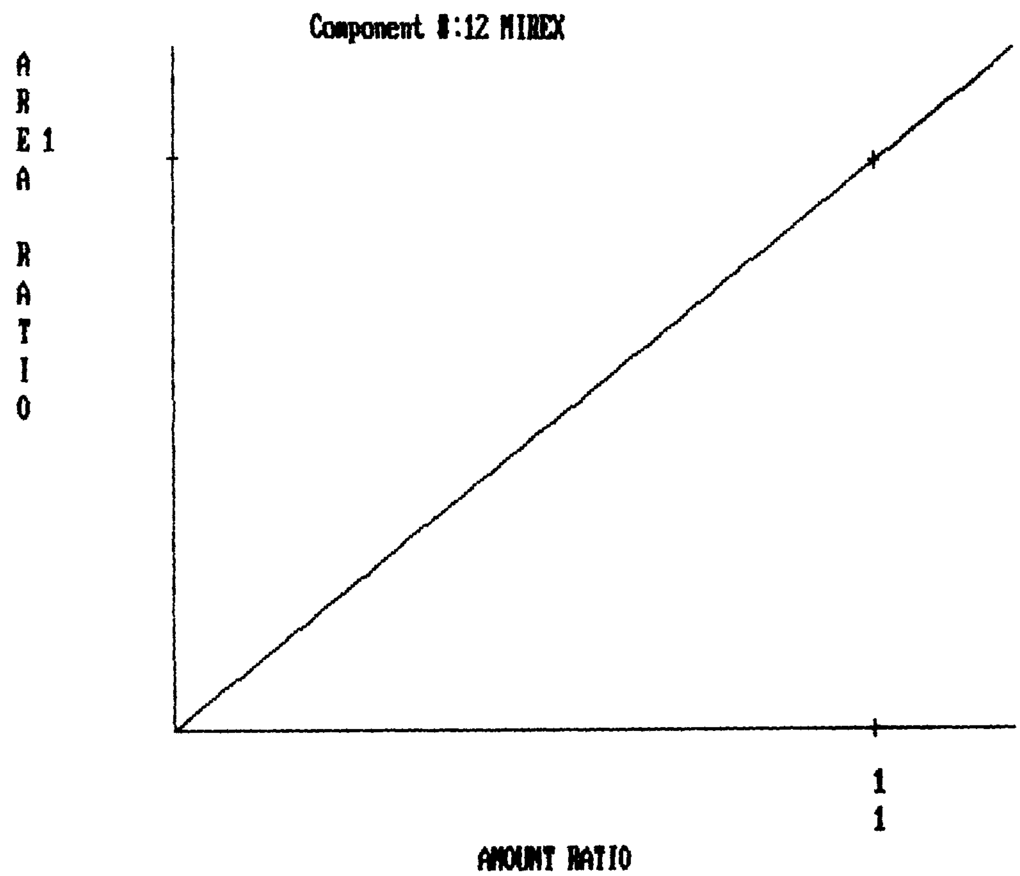
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.7158E+01 * Amt ratio + 0.0000E+00
Amt ratio = 3.6821E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9999



Component 11 = METHOXYCHLOR
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	11250	0.0050	0.0776
2	0.0150	31490	0.0150	0.2087
3	0.0250	55456	0.0250	0.3476
4	0.0350	81912	0.0350	0.4927
5	0.0500	116062	0.0500	0.6658

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.3640E+01 * Amt ratio + 0.0000E+00
Amt ratio = 7.3314E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9992



Component 12 = MIREX
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	1.0000	145004	1.0000	1.0000
2	1.0000	150866	1.0000	1.0000
3	1.0000	159529	1.0000	1.0000
4	1.0000	166266	1.0000	1.0000
5	1.0000	174311	1.0000	1.0000

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.0000E+00 * Amt ratio + 0.0000E+00
Amt ratio = 1.0000E+00 * Area ratio + 0.0000E+00
Correlation Coefficient = 1.0000

SECONDARY COLUM

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 13:13:40 Version 4.1 **********************
* Sample Name: PEST A L1                          Data File: J:2HOD5        *
* Date: 05-25-1993 19:07:40 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  5    Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                  H.O.D. LANDFILL     *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

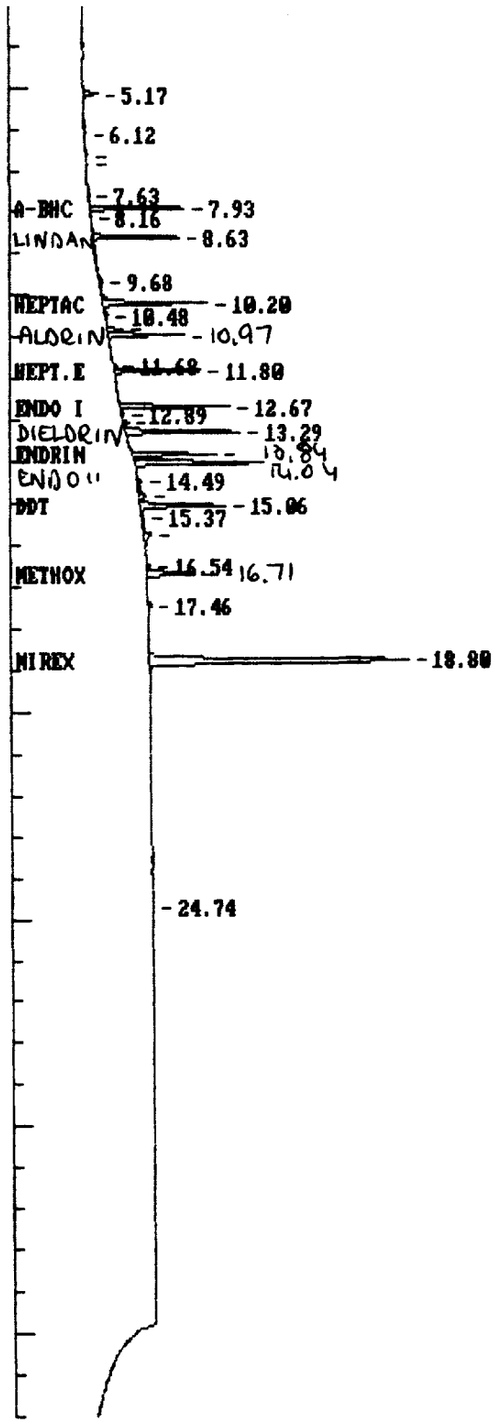
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	5.17		0.0000	0.0070%	14905	3405	4.4	1		30		2.1566E-10
2	6.12		0.0000	0.0014%	2951	382	7.7	1		30		2.1566E-10
3	6.66		0.0000	0.0013%	2766	532	5.2	1		30		2.1566E-10
4	6.86		0.0000	0.0007%	1455	407	3.6	1		30		2.1566E-10
5	7.63		0.0000	0.0010%	2160	154	14.0	2		30		2.1566E-10
6	7.93	A-BHC	0.0027	5.7579%	76659	22211	3.5	2	30	30	0	3.4664E-08
7	8.16		0.0000	0.0005%	1042	186	5.6	2		30		2.1566E-10
8	8.63	LINDANE	0.0028	6.1138%	72654	20180	3.6	1	30	30	.1939	3.8836E-08
9	9.68		0.0000	0.0051%	10821	870	12.4	2		30		2.1566E-10
10	10.20	HEPTACHLOR	0.0035	7.6603%	98833	24735	4.0	2	30	30	0	3.5770E-08
11	10.48		0.0000	0.0018%	3911	732	5.3	2		30		2.1566E-10
12	10.83		0.0000	0.0065%	13804	3595	3.8	2		30		2.1566E-10
13	10.97	ALDRIN	0.0030	6.5104%	70519	17989	3.9	2	30	30	0	4.2608E-08
14	11.68		0.0000	0.0004%	888	517	1.7	2		30		2.1566E-10
15	11.80	HEPT.EPOXIDE	0.0033	7.0728%	83256	20313	4.1	2	30	30	0	3.9206E-08
16	12.67	ENDO I	0.0046	10.0323%	104548	25719	4.1	2	30	30	0	4.4286E-08
17	12.89		0.0000	0.0014%	2986	659	4.5	2		30		2.1566E-10
18	13.07		0.0000	0.0019%	4038	1045	3.9	1		30		2.1566E-10
19	13.29	DIELDRIN	0.0044	9.4357%	112363	26888	4.2	1	30	30	0	3.8755E-08
20	13.84	ENDRIN	0.0043	9.2538%	84197	19944	4.2	2	30	30	0	5.0723E-08
21	14.04	ENDO II	0.0060	13.0796%	138879	30278	4.6	2	30	30	0	4.3465E-08
22	14.49		0.0000	0.0035%	7401	1237	6.0	2		30		2.1566E-10
23	14.84		0.0000	0.0097%	20713	1889	11.0	2		30		2.1566E-10
24	15.06	DDT	0.0057	12.3144%	103666	20102	5.2	3	30	30	0	5.4823E-08
25	15.37		0.0000	0.0022%	4635	370	12.5	4		30		2.1566E-10
26	15.76		0.0000	0.0081%	17319	1686	10.3	2		30		2.1566E-10
27	16.54		0.0000	0.0024%	5071	924	5.5	2		30		2.1566E-10
28	16.71	METHOXYCHLOR	0.0059	12.7110%	64400	11426	5.6	2	30	30	0	9.1091E-08
29	17.46		0.0000	0.0026%	5629	796	7.1	1		30		2.1566E-10
30	18.80	MIREX	1.0000	0.0000%	463697	60943	7.6	1	30	30	0	2.1566E-06
31	24.74		0.0000	0.0009%	1840	152	12.1	1		30		2.1566E-10

KM
5-26-95

TOTAL AMOUNT = 0.0462

SECONDARY COLUM

Data File = J:2HOD5.PTS Printed on 05-26-1993 at 13:14:24
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-26-93

SECONDARY COLUM

```
******   INTERNAL STANDARD TABLE   ******
******************** 05-26-1993 13:15:15 Version 4.1 **********************
* Sample Name: PEST A L2                          Data File: J:2HOD6       *
* Date: 05-25-1993 19:49:14 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  6    Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500            *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                  H.O.D. LANDFILL     *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.29		0.0000	0.0009%	4826	218	22.1	1		32		2.1534E-10
2	5.17		0.0000	0.0025%	13849	2279	6.1	1		32		2.1534E-10
3	6.12		0.0000	0.0002%	1040	253	4.1	1		32		2.1534E-10
4	6.66		0.0000	0.0009%	5006	1248	4.0	1		32		2.1534E-10
5	6.86		0.0000	0.0001%	684	208	3.3	1		32		2.1534E-10
6	7.63		0.0000	0.0003%	1872	150	12.5	2		32		2.1534E-10
7	7.91	A-BHC	0.0072	6.1049%	207949	61451	3.4	2	32	32	-.1219	3.4613E-08
8	8.61	LINDANE	0.0075	6.3428%	192845	56501	3.4	1	32	32	0	3.8778E-08
9	9.10		0.0000	0.0002%	1299	302	4.3	1		32		2.1534E-10
10	9.60		0.0000	0.0003%	1773	527	3.4	1		32		2.1534E-10
11	10.01		0.0000	0.0005%	2802	849	3.3	2		32		2.1534E-10
12	10.20	HEPTACHLOR	0.0082	6.9376%	229006	58154	3.9	2	32	32	0	3.5717E-08
13	10.83		0.0000	0.0016%	8840	2509	3.5	2		32		2.1534E-10
14	10.95	ALDRIN	0.0076	6.4219%	177966	45465	3.9	2	32	32	0	4.2544E-08
15	11.80	HEPT.EPOXIDE	0.0080	6.7973%	204712	51296	4.0	1	32	32	0	3.9148E-08
16	12.67	ENDO I	0.0119	10.0994%	269272	62903	4.3	3	32	32	0	4.4220E-08
17	12.87		0.0000	0.0002%	1350	373	3.6	4		32		2.1534E-10
18	13.07		0.0000	0.0018%	9594	2317	4.1	2		32		2.1534E-10
19	13.29	DIELDRIN	0.0114	9.6986%	295490	67746	4.4	2	32	32	0	3.8698E-08
20	13.84	ENDRIN	0.0111	9.4430%	219818	50086	4.4	2	32	32	0	5.0648E-08
21	14.02	ENDO II	0.0154	13.0504%	354525	77063	4.6	2	32	32	-.0301	4.3400E-08
22	14.47		0.0000	0.0027%	14584	2721	5.4	2		32		2.1534E-10
23	14.71		0.0000	0.0017%	9184	1085	8.5	2		32		2.1534E-10
24	14.82		0.0000	0.0024%	13354	1852	7.2	2		32		2.1534E-10
25	15.06	DDT	0.0144	12.1831%	262396	56841	4.6	3	32	32	0	5.4741E-08
26	15.37		0.0000	0.0003%	1435	292	4.9	4		32		2.1534E-10
27	15.76		0.0000	0.0008%	4588	626	7.3	1		32		2.1534E-10
28	16.53		0.0000	0.0024%	13394	2333	5.7	2		32		2.1534E-10
29	16.69	METHOXYCHLOR	0.0152	12.9005%	167222	30039	5.6	2	32	32	0	9.0956E-08
30	17.45		0.0000	0.0004%	2151	326	6.6	1		32		2.1534E-10
31	17.96		0.0000	0.0003%	1538	230	6.7	1		32		2.1534E-10
32	18.78	MIREX	0.0000	0.0000%	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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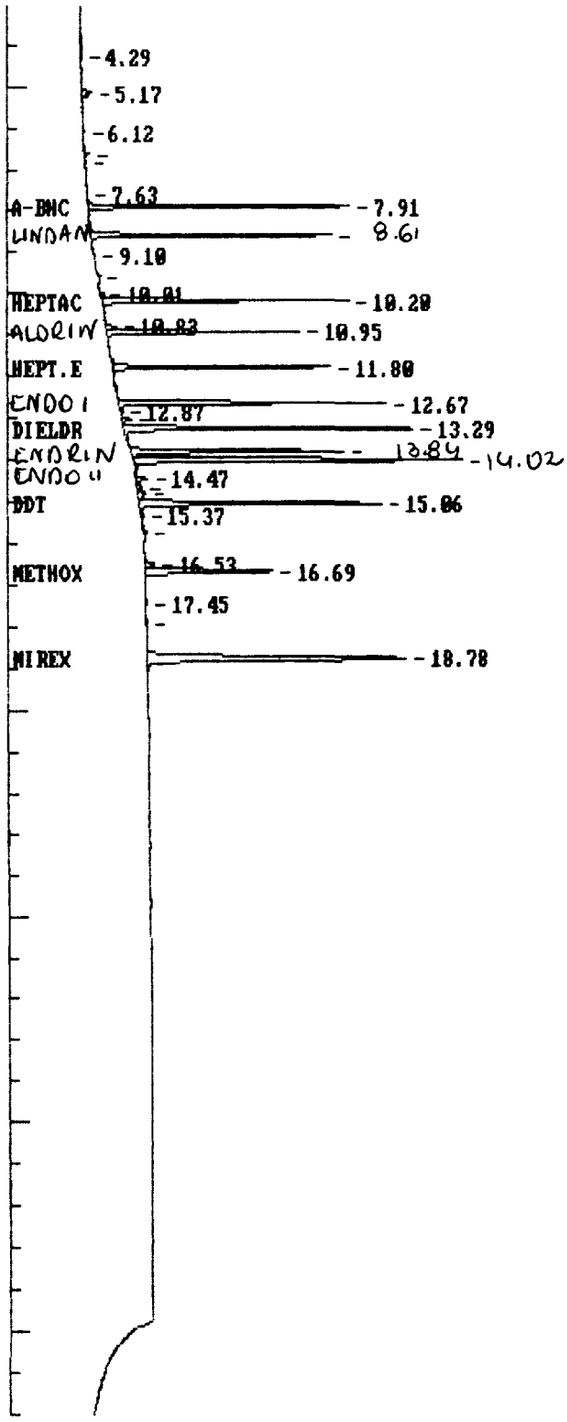
TOTAL AMOUNT = 0.1179

SECONDARY COLUM

Data File = J:2HOD6.PTS Printed on 05-26-1993 at 13:16:03
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 13:16:58 Version 4.1 **********************
* Sample Name: PEST A L3                          Data File: J:2HOD7        *
* Date: 05-25-1993 20:30:48 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  7    Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL     *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:       500                       One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	5.17		0.0000	0.0025%	23020	3928	5.9 1		34		2.1195E-10
2	6.12		0.0000	0.0001%	972	255	3.8 1		34		2.1195E-10
3	6.52		0.0000	0.0001%	1101	237	4.6 2		34		2.1195E-10
4	6.66		0.0000	0.0007%	6210	1850	3.4 2		34		2.1195E-10
5	7.63		0.0000	0.0001%	684	161	4.2 1		34		2.1195E-10
6	7.93	A-BHC	0.0124	6.3399%	364277	109827	3.3 1	34	34	0	3.4069E-08
7	8.63	LINDANE	0.0126	6.4498%	330785	95167	3.5 1	34	34	.2830	3.8169E-08
8	9.10		0.0000	0.0002%	2212	536	4.1 1		34		2.1195E-10
9	9.60		0.0000	0.0009%	7934	1276	6.2 1		34		2.1195E-10
10	10.10		0.0000	0.0009%	8614	1176	7.3 2		34		2.1195E-10
11	10.20	HEPTACHLOR	0.0131	6.6810%	372007	95192	3.9 2	34	34	0	3.5156E-08
12	10.48		0.0000	0.0006%	5309	1073	4.9 2		34		2.1195E-10
13	10.83		0.0000	0.0010%	9125	2541	3.6 2		34		2.1195E-10
14	10.97	ALDRIN	0.0126	6.4357%	300842	79774	3.8 2	34	34	0	4.1876E-08
16	11.80	HEPT.EPOXIDE	0.0129	6.5917%	334869	79709	4.2 2	34	34	0	3.8533E-08
17	12.24		0.0000	0.0001%	960	256	3.7 1		34		2.1195E-10
18	12.67	ENDO I	0.0194	9.8960%	445064	106298	4.2 3	34	34	0	4.3525E-08
19	12.89		0.0000	0.0003%	3013	729	4.1 4		34		2.1195E-10
20	13.07		0.0000	0.0015%	13813	3386	4.1 2		34		2.1195E-10
21	13.29	DIELDRIN	0.0190	9.6812%	497542	119154	4.2 2	34	34	0	3.8089E-08
22	13.84	ENDRIN	0.0187	9.5598%	375383	88366	4.2 2	34	34	0	4.9852E-08
23	14.04	ENDO II	0.0250	12.7863%	585919	127538	4.6 2	34	34	0	4.2718E-08
24	14.49		0.0000	0.0021%	19625	3761	5.2 2		34		2.1195E-10
25	14.71		0.0000	0.0013%	11794	1440	8.2 2		34		2.1195E-10
26	14.84		0.0000	0.0017%	15923	1912	8.3 2		34		2.1195E-10
27	15.06	DDT	0.0246	12.5568%	456193	97003	4.7 3	34	34	0	5.3881E-08
28	15.37		0.0000	0.0003%	2743	505	5.4 4		34		2.1195E-10
29	15.76		0.0000	0.0015%	13505	2145	6.3 1		34		2.1195E-10
30	16.54		0.0000	0.0021%	19491	3427	5.7 2		34		2.1195E-10
31	16.69	METHOXYCHLOR	0.0255	13.0024%	284300	49896	5.7 2	34	34	0	8.9526E-08
32	17.45		0.0000	0.0005%	4244	609	7.0 1		34		2.1195E-10
33	17.86		0.0000	0.0007%	[illegible]	[illegible]	[illegible]		34		[illegible]

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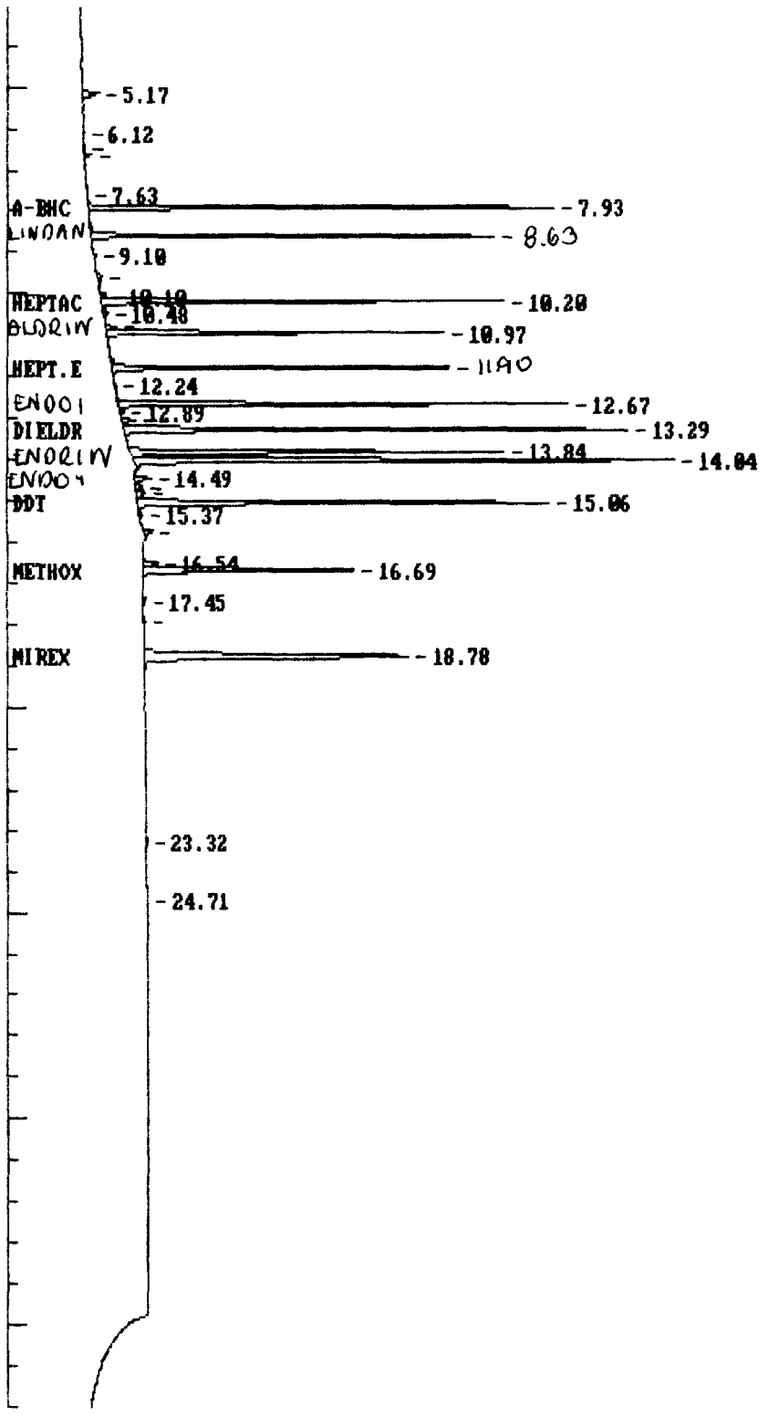
34	18.78 MIREX	1.0000	0.0002%	471903	62305	7.6 1	34	34	0	2.1195E-06
35	23.32	0.0000	0.0002%	2103	210	10.0 1		34		2.1195E-10
36	24.71	0.0000	0.0002%	2264	196	11.6 1		34		2.1195E-10

TOTAL AMOUNT = 0.1958

SECONDARY COLUM

Data File = J:2HOD7.PTS Printed on 05-26-1993 at 13:17:49
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUM

****** INTERNAL STANDARD TABLE ******

********** 05-26-1993 13:18:46 Version 4.1 **********

* Sample Name: PEST A L4 Data File: J:2HOD8 *

* Date: 05-25-1993 21:12:21 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*

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

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 1.00

Internal Standard Amount: 1

Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	5.17		0.0000	0.0019%	24992	3839	6.5	1		36		2.0862E-10
2	6.12		0.0000	0.0001%	969	247	3.9	1		36		2.0862E-10
3	6.66		0.0000	0.0007%	9068	2424	3.7	1		36		2.0862E-10
4	6.87		0.0000	0.0001%	718	190	3.8	1		36		2.0862E-10
5	7.63		0.0000	0.0001%	1476	184	8.0	1		36		2.0862E-10
6	7.93	A-BHC	0.0180	6.4218%	536362	158852	3.4	1	36	36	0	3.3533E-08
7	8.63	LINDANE	0.0180	6.4406%	480150	135795	3.5	1	36	36	.1939	3.7568E-08
8	9.10		0.0000	0.0002%	3028	743	4.1	1		36		2.0862E-10
9	9.60		0.0000	0.0010%	12959	1854	7.0	1		36		2.0862E-10
10	10.01		0.0000	0.0005%	6086	1627	3.7	2		36		2.0862E-10
11	10.20	HEPTACHLOR	0.0181	6.4601%	522876	133631	3.9	2	36	36	0	3.4603E-08
12	10.48		0.0000	0.0005%	6116	1194	5.1	2		36		2.0862E-10
13	10.83		0.0000	0.0009%	11950	3282	3.6	2		36		2.0862E-10
14	10.97	ALDRIN	0.0180	6.4359%	437321	114746	3.8	3	36	36	0	4.1217E-08
16	11.62		0.0000	0.0004%	5467	839	6.5	2		36		2.0862E-10
17	11.80	HEPT.EPOXIDE	0.0180	6.4162%	473813	112467	4.2	2	36	36	0	3.7926E-08
18	12.24		0.0000	0.0001%	1690	394	4.3	2		36		2.0862E-10
19	12.35		0.0000	0.0002%	2160	356	6.1	2		36		2.0862E-10
20	12.67	ENDO I	0.0268	9.5750%	625966	149595	4.2	1	36	36	0	4.2840E-08
21	13.07		0.0000	0.0013%	18053	4353	4.1	2		36		2.0862E-10
22	13.29	DIELDRIN	0.0271	9.6599%	721645	171619	4.2	2	36	36	0	3.7490E-08
23	13.84	ENDRIN	0.0272	9.7179%	554689	127722	4.3	2	36	36	0	4.9067E-08
24	14.04	ENDO II	0.0365	13.0411%	868677	183054	4.7	3	36	36	0	4.2046E-08
25	14.22		0.0000	0.0013%	17194	2636	6.5	4		36		2.0862E-10
26	14.49		0.0000	0.0032%	42632	6182	6.9	2		36		2.0862E-10
27	14.71		0.0000	0.0018%	23939	2556	9.4	2		36		2.0862E-10
28	14.84		0.0000	0.0018%	24495	2882	8.5	2		36		2.0862E-10
29	15.07	DDT	0.0361	12.8888%	680664	142295	4.8	3	36	36	.1109	5.3033E-08
30	15.37		0.0000	0.0003%	3991	654	6.1	4		36		2.0862E-10
31	15.76		0.0000	0.0009%	12523	2124	5.9	1		36		2.0862E-10
32	16.54		0.0000	0.0020%	26433	4871	5.4	2		36		2.0862E-10

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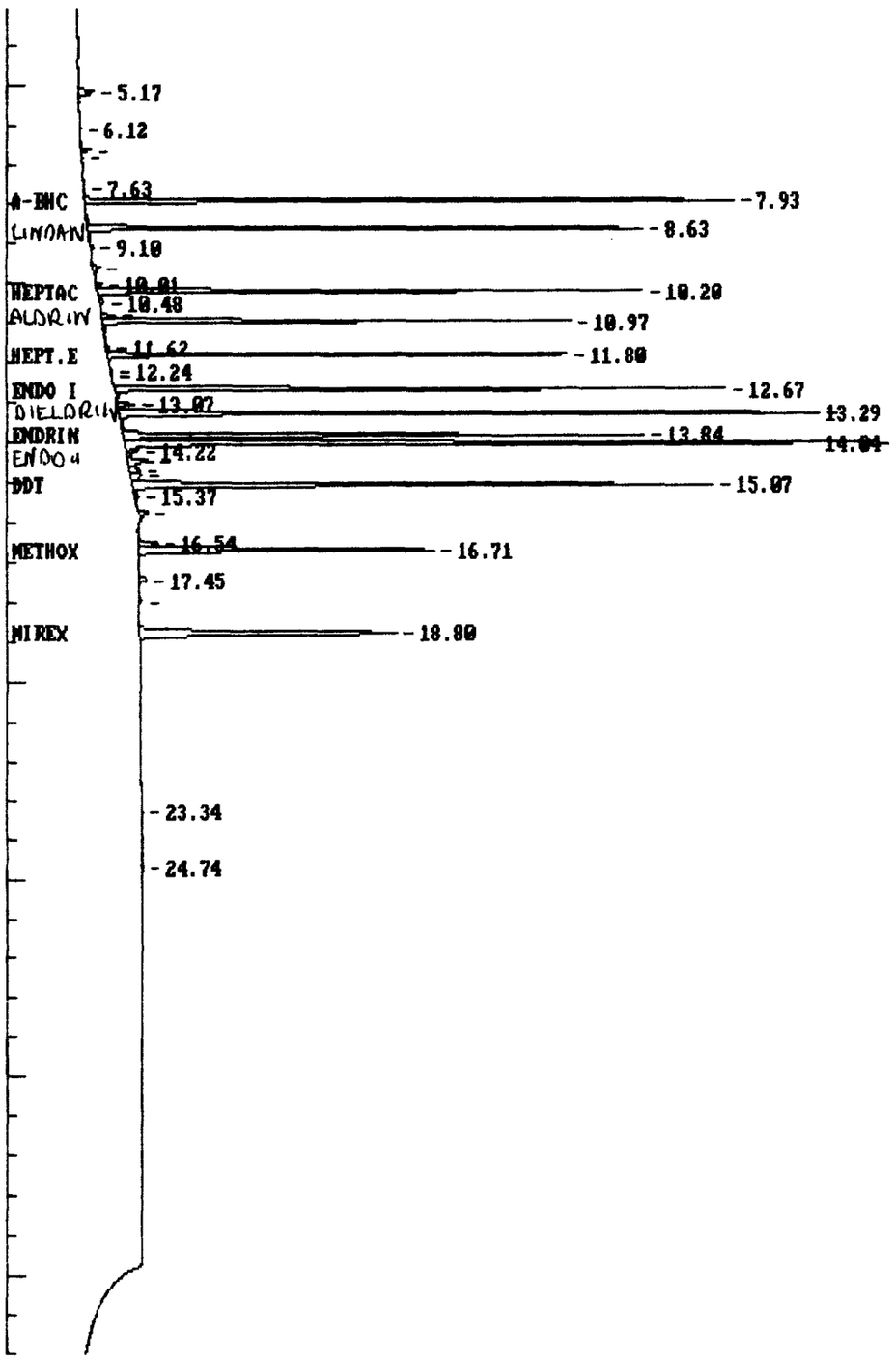
33	13.[illegible] METHOXYCHLOR	0.0382	12.[illegible]	[illegible]	72483	[illegible]	[illegible]	[illegible]	[illegible]		2.0862E-08
34	17.45	0.0000	0.0010%	14027	1920	7.3	[illegible]		[illegible]		2.0862E-10
35	17.98	0.0000	0.0003%	4249	612	6.9	1		36		2.0862E-10
36	18.80 MIREX	1.0000	0.0000%	479344	62900	7.6	1	36	36	0	2.0862E-06
37	23.34	0.0000	0.0002%	3309	314	10.5	1		36		2.0862E-10
38	24.74	0.0000	0.0003%	4037	341	11.8	1		36		2.0862E-10

TOTAL AMOUNT = 0.2801

SECONDARY COLUM

Data File = J:2HOD8.PTS Printed on 05-26-1993 at 13:19:40
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUM

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******   INTERNAL STANDARD TABLE   ******
******************** 05-26-1993 13:20:40 Version 4.1 **********************
* Sample Name: PEST A L5                          Data File: J:2HOD9       *
* Date: 05-25-1993 21:53:55 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  9    Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:       500                     One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.29		0.0000	0.0003%	5273	214	24.6	1		38		2.0457E-10
2	5.17		0.0000	0.0006%	10939	2992	3.7	2		38		2.0457E-10
3	5.25		0.0000	0.0009%	16042	3798	4.2	2		38		2.0457E-10
4	6.12		0.0000	0.0001%	1035	272	3.8	1		38		2.0457E-10
5	6.66		0.0000	0.0006%	11447	3164	3.6	1		38		2.0457E-10
6	6.86		0.0000	0.0000%	836	251	3.3	1		38		2.0457E-10
7	7.63		0.0000	0.0001%	2626	273	9.6	2		38		2.0457E-10
8	7.93	A-BHC	0.0248	6.5382%	753605	211752	3.6	2	38	38	0	3.2882E-08
9	8.61	LINDANE	0.0245	6.4736%	666006	180341	3.7	1	38	38	0	3.6839E-08
10	9.10		0.0000	0.0003%	5753	1077	5.3	1		38		2.0457E-10
11	9.60		0.0000	0.0007%	12846	2408	5.3	1		38		2.0457E-10
12	10.01		0.0000	0.0006%	10426	2659	3.9	2		38		2.0457E-10
13	10.20	HEPTACHLOR	0.0240	6.3295%	706992	180956	3.9	2	38	38	0	3.3931E-08
14	10.48		0.0000	0.0011%	20192	4034	5.0	2		38		2.0457E-10
15	10.83		0.0000	0.0003%	5474	1626	3.4	2		38		2.0457E-10
16	10.97	ALDRIN	0.0245	6.4675%	606479	155456	3.9	2	38	38	0	4.0416E-08
17	11.62		0.0000	0.0004%	8327	1267	6.6	2		38		2.0457E-10
18	11.80	HEPT.EPOXIDE	0.0242	6.3955%	651758	157743	4.1	2	38	38	0	3.7190E-08
19	12.24		0.0000	0.0002%	3584	608	5.9	2		38		2.0457E-10
20	12.35		0.0000	0.0002%	3133	490	6.4	2		38		2.0457E-10
21	12.67	ENDO I	0.0364	9.6125%	867237	204409	4.2	3	38	38	0	4.2008E-08
22	12.87		0.0000	0.0005%	8396	1833	4.6	4		38		2.0457E-10
23	13.07		0.0000	0.0013%	24104	5595	4.3	2		38		2.0457E-10
24	13.29	DIELDRIN	0.0366	9.6684%	996765	231836	4.3	2	38	38	0	3.6762E-08
25	13.84	ENDRIN	0.0367	9.6956%	763727	175111	4.4	2	38	38	0	4.8114E-08
26	14.04	ENDO II	0.0487	12.8493%	1181160	246087	4.8	3	38	38	0	4.1229E-08
27	14.22		0.0000	0.0011%	19903	3392	5.9	4		38		2.0457E-10
28	14.49		0.0000	0.0028%	51399	7762	6.6	2		38		2.0457E-10
29	14.71		0.0000	0.0014%	25626	3042	8.4	2		38		2.0457E-10
30	14.84		0.0000	0.0015%	27291	3110	8.8	2		38		2.0457E-10
31	15.06	DDT	0.0496	13.0776%	953097	200328	4.8	3	38	38	0	5.2003E-08
32	15.77		0.0000	0.0002%	4709	779	5.5	4		38		2.0457E-10

32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
33	15.76	0.0000	0.0007%	12387	2107	5.7	1		38		2.0457E-10
34	16.54	0.0000	0.0020%	36246	6512	5.6	2		38		2.0457E-10
*35	16.71 METHOXYCHLOR	0.0488	12.8738%	564674	97064	5.8	2	38	38	0	8.6406E-08
36	17.45	0.0000	0.0004%	7705	884	8.7	2		38		2.0457E-10
37	17.96	0.0000	0.0003%	5766	804	7.2	2		38		2.0457E-10
38	18.80 MIREX	1.0000	0.0000%	488838	63604	7.7	1	38	38	0	2.0457E-06
39	23.34	0.0000	0.0002%	4333	427	10.1	1		38		2.0457E-10

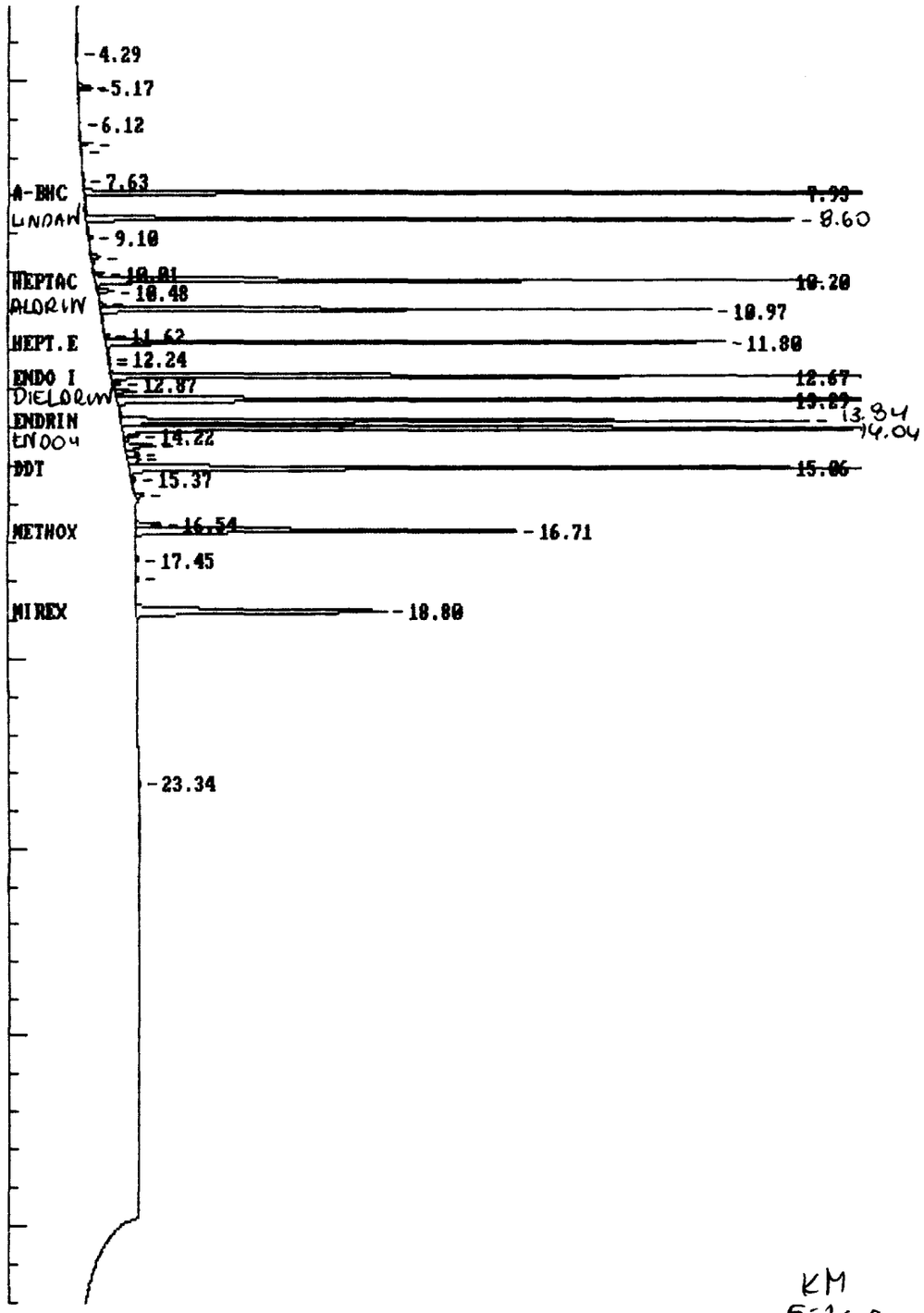
TOTAL AMOUNT = 0.3790

SECONDARY COLUM

KM
5-26-93

SECONDARY COLUM

Data File = J:2HOD9.PTS Printed on 05-26-1993 at 13:21:36
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 06-26-1993 13:34:15 Version 4.1 **********

* Sample Name: 93ZE33S39 SULFUR CLEAN-UP Data File: J:1HOD50 *
* Date: 06-24-1993 16:49:51 Method: J:1PESTAI 05-26-1993 14:54:25 # 328*
* Interface: 0 Cycle#: 50 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D LANDFILL H.O.D LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.030000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.32		0.0000	0.0027%	2188	349	6.3	1		68		4.7836E-09
2	3.60		0.0000	0.0037%	2979	538	5.5	1		68		4.7836E-09
3	3.73		0.0000	0.0039%	3164	806	3.9	2		68		4.7836E-09
4	3.87		0.0000	0.0049%	3936	972	4.0	2		68		4.7836E-09
5	4.04		0.0000	0.0117%	9408	1336	7.0	2		68		4.7836E-09
6	4.24		0.0001	0.0184%	14729	3856	3.8	2		68		4.7836E-09
7	4.44		0.0001	0.0211%	16897	2284	7.4	2		68		4.7836E-09
8	4.54		0.0001	0.0323%	25908	5557	4.7	2		68		4.7836E-09
9	4.82		0.0000	0.0052%	4171	824	5.1	2		68		4.7836E-09
10	4.94		0.0000	0.0112%	8990	1246	7.2	2		68		4.7836E-09
11	5.10		0.0001	0.0171%	13738	2089	6.6	2		68		4.7836E-09
12	5.19		0.0001	0.0219%	17583	2426	7.2	2		68		4.7836E-09
13	5.37		0.0001	0.0231%	18544	2346	7.9	2		68		4.7836E-09
14	5.72		0.0000	0.0079%	6326	910	6.9	2		68		4.7836E-09
15	6.06		0.0000	0.0033%	2666	528	5.0	1		68		4.7836E-09
16	6.24		0.0000	0.0050%	3973	739	5.4	1		68		4.7836E-09
17	6.49		0.0000	0.0082%	6579	1910	3.4	1		68		4.7836E-09
18	6.66		0.0000	0.0084%	6705	1520	4.4	2		68		4.7836E-09
19	6.74		0.0001	0.0284%	22760	3379	6.7	2		68		4.7836E-09
20	7.01		0.0007	0.1755%	140639	38716	3.6	2		68		4.7836E-09
21	7.24		0.0001	0.0162%	12981	2370	5.5	2		68		4.7836E-09
22	7.58		0.0002	0.0448%	35925	5347	6.7	2		68		4.7836E-09
23	8.01		0.0000	0.0094%	7544	1130	6.7	2		68		4.7836E-09
24	8.19		0.0000	0.0108%	8643	2329	3.7	2		68		4.7836E-09
25	8.28		0.0001	0.0315%	25250	4648	5.4	2		68		4.7836E-09
26	8.41		0.0000	0.0076%	6102	1400	4.4	2		68		4.7836E-09
27	8.58		0.0001	0.0164%	13173	2109	6.2	2		68		4.7836E-09
28	8.88		0.0000	0.0042%	3360	847	4.0	2		68		4.7836E-09
29	8.98		0.0001	0.0253%	20271	3666	5.5	2		68		4.7836E-09
30	9.13		0.0000	0.0117%	9375	1764	5.3	2		68		4.7836E-09
31	9.28		0.0005	0.1283%	102817	12440	8.3	2		68		4.7836E-09
32	9.48		0.0001	0.0304%	24364	4314	5.6	2		68		4.7836E-09
~~33~~	~~9.58~~	~~LINDANE~~	~~0.0289~~	~~7.5297%~~	~~30501~~	~~3694~~	~~8.3~~	~~2~~	~~68~~	~~68~~	~~.4677~~	~~9.4625E-07~~
34	9.83		0.0001	0.0264%	21177	2575	8.2	2		68		4.7836E-09
35	10.01		0.0004	0.1057%	84669	16947	5.0	2		68		4.7836E-09
~~36~~	~~10.36~~	~~HEPTACHLOR~~	~~0.0283~~	~~7.3774%~~	~~24443~~	~~2771~~	~~8.8~~	~~2~~	~~68~~	~~68~~	~~.2431~~	~~1.1568E-06~~
37	10.58		0.0002	0.0445%	35660	6265	5.7	2		[illegible]		4.7836E-09

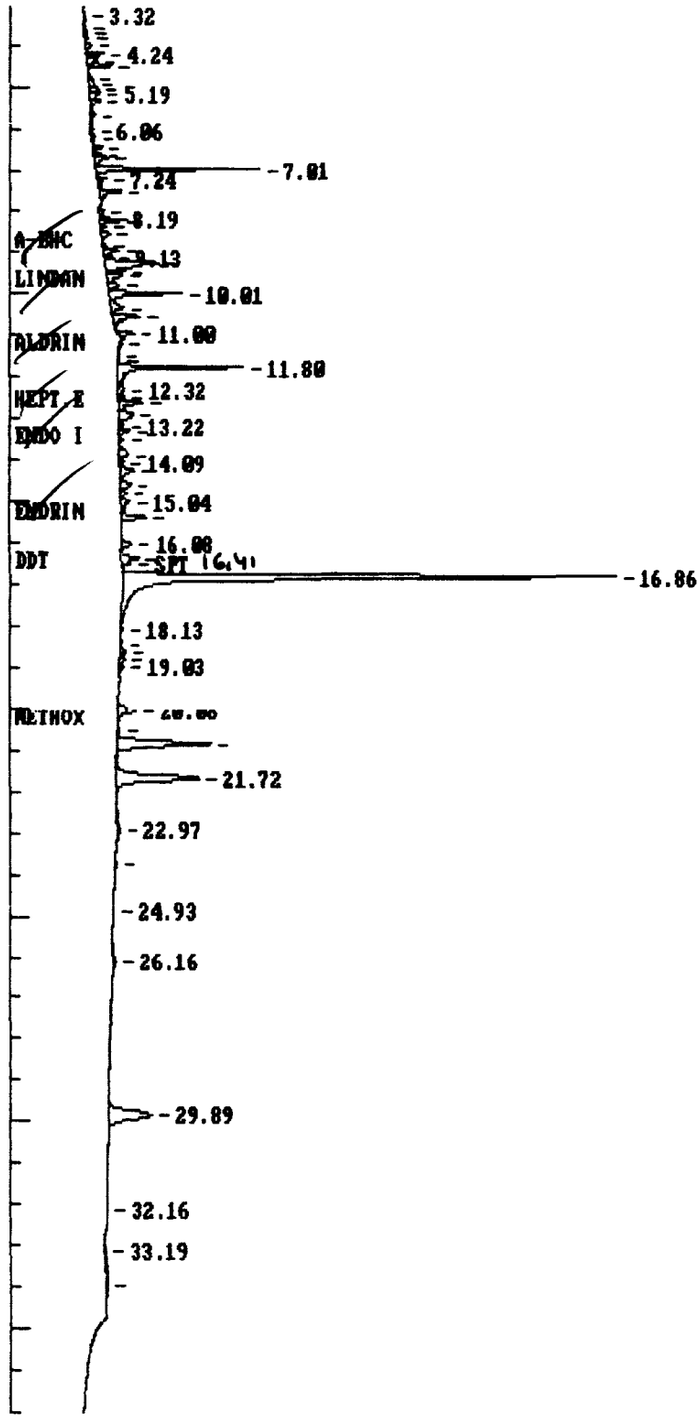
38	11.[illegible]	[illegible]	0.0[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
39	11.23 ALDRIN	0.0029	0.7689%	3040	576	5.3	1	68	68	.5492	9.6948E-07
40	11.50	0.0000	0.0023%	1859	404	4.6	2		68		4.7836E-09
41	11.63	0.0000	0.0031%	2503	490	5.1	2		68		4.7836E-09
42	11.80	0.0007	0.1889%	151356	29654	5.1	3		68		4.7836E-09
43	12.32	0.0001	0.0146%	11709	1285	9.1	4		68		4.7836E-09
44	12.50 HEPT.EPOXIDE	0.0065	1.6861%	6293	1328	4.7	4	68	68	0	1.0269E-06
45	12.64	0.0002	0.0568%	45489	5715	8.0	2		68		4.7836E-09
46	12.92	0.0002	0.0503%	40288	3428	11.8	2		68		4.7836E-09
47	13.22	0.0000	0.0071%	5685	1085	5.2	2		68		4.7836E-09
48	13.34 ENDO I	0.0150	3.9234%	14351	2500	5.7	2	68	68	-.5959	1.0479E-06
49	13.54	0.0000	0.0061%	4850	1196	4.1	2		68		4.7836E-09
50	13.91	0.0001	0.0276%	22145	2130	10.4	2		68		4.7836E-09
51	14.09	0.0000	0.0073%	5838	777	7.5	2		68		4.7836E-09
52	14.29 DIELDRIN	0.0337	8.7853%	28093	3431	8.2	2	68	68	.5172	1.1986E-06
53	14.62	0.0001	0.0274%	21987	2386	9.2	2		68		4.7836E-09
54	14.84	0.0000	0.0114%	9136	1313	7.0	2		68		4.7836E-09
55	15.04	0.0001	0.0260%	20871	1988	10.5	2		68		4.7836E-09
56	15.42	0.0002	0.0408%	32676	5845	5.6	2		68		4.7836E-09
57	16.08	0.0001	0.0183%	14686	2108	7.0	1		68		4.7836E-09
58	16.41 DDT	0.0806	21.0157%	37657	3715	10.1	2	68	68	0	2.1391E-06
59	16.54	0.0000	0.0034%	2707	1720	1.6	2		68		4.7836E-09
60	16.86	0.0043	1.1285%	904258	116021	7.8	2		68		4.7836E-09
61	18.13	0.0000	0.0022%	1773	299	5.9	2		68		4.7836E-09
62	18.45	0.0000	0.0023%	1826	348	5.2	2		68		4.7836E-09
63	18.65	0.0001	0.0138%	11087	1255	8.8	2		68		4.7836E-09
64	18.83	0.0000	0.0121%	9684	1034	9.4	2		68		4.7836E-09
65	19.03	0.0000	0.0078%	6222	739	8.4	2		68		4.7836E-09
66	20.08 METHOXYCHLOR	0.1754	45.7590%	40872	4267	9.6	2	68	68	-.4281	4.2913E-06
67	20.55	0.0000	0.0071%	5650	549	10.3	2		68		4.7836E-09
68	20.89 MIREX	1.0000	0.0000%	202959	21964	9.2	2	68	68	0	4.9271E-06
69	21.72	0.0011	0.2749%	220289	19406	11.4	2		68		4.7836E-09
70	22.97	0.0001	0.0157%	12582	479	26.3	1		68		4.7836E-09
71	23.79	0.0000	0.0068%	5465	346	15.8	1		68		4.7836E-09
72	24.93	0.0000	0.0031%	2446	247	9.9	1		68		4.7836E-09
73	26.16	0.0001	0.0166%	13325	715	18.6	1		68		4.7836E-09
74	29.89	0.0007	0.1902%	152416	10177	15.0	1		68		4.7836E-09
75	32.16	0.0000	0.0041%	3255	215	15.2	1		68		4.7836E-09
76	33.19	0.0000	0.0078%	6235	371	16.8	2		68		4.7836E-09
77	34.01	0.0001	0.0259%	20722	470	44.1	2		68		4.7836E-09

TOTAL AMOUNT = 0.3833

KM
6-26-93

PRIMARY COLUMN

Areas, times, and heights stored in: J:1HOD50.ATB
Data File = J:1HOD50.PTS Printed on 06-26-1993 at 13:35:49
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

PRIMARY COLUMN

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

********** 06-26-1993 13:28:45 Version 4.1 **********

* Sample Name: 93ZE33S39 SULFUR CLEAN-UP Data File: J:1HOD50 *
* Date: 06-24-1993 16:49:51 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 50 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB 5 CONF~~ *
* Misc. Information: H.O.D LANDFILL H.O.D LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Sample Weight: 1.030000

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	3.32		2.1246	0.1812%	2188	349	6.3	1			9.7087E-04
2	3.60		2.8922	0.2466%	2979	538	5.5	1			9.7087E-04
3	3.73		2.7073	0.2309%	2789	765	3.6	1			9.7087E-04
4	3.87		3.0216	0.2577%	3112	889	3.5	1			9.7087E-04
5	4.04		7.7893	0.6642%	8023	1243	6.5	1			9.7087E-04
6	4.24		13.0863	1.1160%	13479	3732	3.6	1			9.7087E-04
7	4.44		8.8264	0.7527%	9091	1143	8.0	1			9.7087E-04
8	4.54		17.9767	1.5330%	18516	4742	3.9	1			9.7087E-04
9	4.82		1.4631	0.1248%	1507	451	3.3	1			9.7087E-04
10	4.94		1.8138	0.1547%	1868	457	4.1	1			9.7087E-04
11	5.10		1.6178	0.1380%	1666	538	3.1	1			9.7087E-04
12	5.19		2.5497	0.2174%	2626	987	2.7	1			9.7087E-04
13	5.37		7.0909	0.6047%	7304	1453	5.0	1			9.7087E-04
14	5.72		5.3860	0.4593%	5548	859	6.5	1			9.7087E-04
15	6.06		2.5882	0.2207%	2666	528	5.0	1			9.7087E-04
16	6.24		3.8572	0.3289%	3973	739	5.4	1			9.7087E-04
17	6.49		6.3875	0.5447%	6579	1910	3.4	1			9.7087E-04
18	6.66		2.0740	0.1769%	2136	680	3.1	1			9.7087E-04
19	6.74		10.7447	0.9163%	11067	2339	4.7	1			9.7087E-04
20	7.01	TCMX	0.0835	0.0071%	137124	38449	3.6	1	20	0	6.0882E-07
21	7.24		9.8712	0.8418%	10167	2246	4.5	1			9.7087E-04
22	7.58		30.3781	2.5905%	31289	5139	6.1	1			9.7087E-04
23	8.01		5.4448	0.4643%	5608	1013	5.5	1			9.7087E-04
24	8.19		2.1650	0.1846%	2230	754	3.0	1			9.7087E-04
25	8.28		13.5781	1.1579%	13985	3438	4.1	1			9.7087E-04
26	8.41		4.0065	0.3417%	4127	1150	3.6	1			9.7087E-04
27	8.58		12.1116	1.0328%	12475	2049	6.1	1			9.7087E-04
28	8.88		2.1937	0.1871%	2260	639	3.5	1			9.7087E-04
29	8.98		13.0635	1.1140%	13455	3110	4.3	1			9.7087E-04
30	9.13		1.8435	0.1572%	1899	698	2.7	1			9.7087E-04
31	9.28		68.9561	5.8803%	71025	10648	6.7	1			9.7087E-04
32	9.48		4.2230	0.3601%	4350	1461	3.0	1			9.7087E-04
33	9.58		6.2498	0.5330%	6437	1326	4.9	1			9.7087E-04
~~34~~	~~9.83~~	~~B-BHC~~	~~0.0074~~	~~0.0006%~~	~~6558~~	~~1477~~	~~4.4~~	~~1~~	~~34~~	~~0~~	~~1.1346E-06~~
35	10.01		68.5290	5.8439%	70585	16084	4.4	1			9.7087E-04
36	10.36		16.2971	1.3898%	16786	2436	6.9	1			9.7087E-04
~~37~~	~~10.58~~	~~D-BHC~~	~~0.0334~~	~~0.0029%~~	~~34685~~	~~6200~~	~~5.6~~	~~1~~	~~37~~	~~0~~	~~9.6385E-07~~
38	11.00		13.0318	1.1113%	13423	3404	3.9	1			9.7087E-04

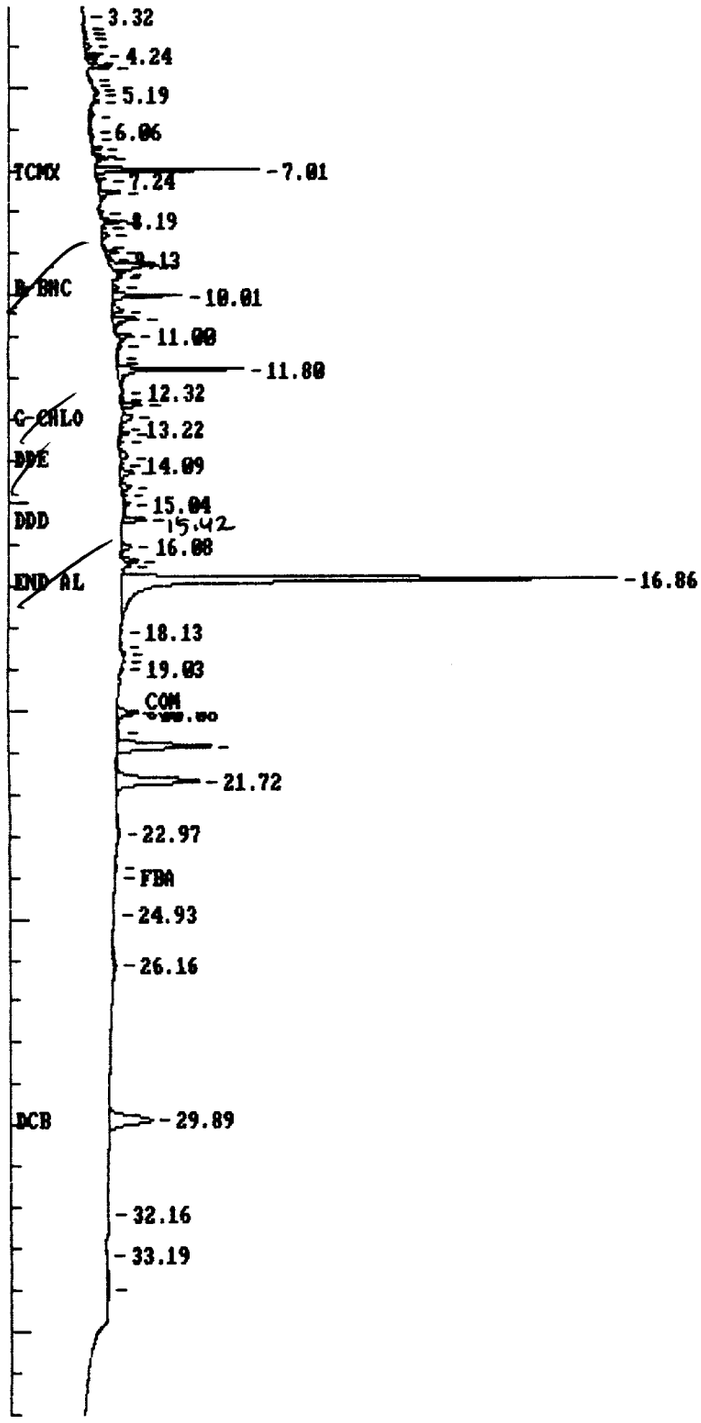
39	11.33	[illegible]	0.2517%	[illegible]	[illegible]	[illegible]	1				9.7087E-04
40	11.50	1.2471	0.1064%	1285	343	3.7	1				9.7087E-04
41	11.63	1.2593	0.1074%	1297	357	3.6	1				9.7087E-04
42	11.80	135.5769	11.5615%	139644	29435	4.7	1				9.7087E-04
43	12.32	4.4049	0.3756%	4537	689	6.6	1				9.7087E-04
44	12.50	2.4763	0.2112%	2551	794	3.2	1				9.7087E-04
45	12.64	28.9695	2.4704%	29839	4950	6.0	1				9.7087E-04
46	12.92 G-CHLORDANE	0.0196	0.0017%	25603	2513	10.2	1	46		0	7.6608E-07
47	13.22	1.8766	0.1600%	1933	600	3.2	1				9.7087E-04
48	13.34 A-CHLORDANE	0.0078	0.0007%	10091	2085	4.8	1	48		0	7.7053E-07
49	13.54	4.3485	0.3708%	4479	1156	3.9	1				9.7087E-04
50	13.91 DDE	0.0166	0.0014%	16831	1793	9.4	1	50		0	9.8734E-07
51	14.09	1.8158	0.1548%	1870	418	4.5	1				9.7087E-04
52	14.29	22.3402	1.9051%	23010	3186	7.2	1				9.7087E-04
53	14.62	15.9707	1.3619%	16450	2075	7.9	1				9.7087E-04
54	14.84	3.6982	0.3154%	3809	840	4.5	1				9.7087E-04
55	15.04	10.3284	0.8808%	10638	1493	7.1	1				9.7087E-04
56	15.42 DDD	0.0560	0.0048%	28938	5627	5.1	1	56		0	1.9360E-06
57	16.08	14.2581	1.2159%	14686	2108	7.0	1				9.7087E-04
58	16.41	15.4765	1.3198%	15941	2812	5.7	1				9.7087E-04
59	16.53	3.6510	0.3113%	3761	996	3.8	1				9.7087E-04
60	16.86 END ALDEHYDE	1.1075	0.0944%	893759	115982	7.7	1	60		0	1.2391E-06
61	18.13	1.7073	0.1456%	1759	298	5.9	1				9.7087E-04
62	18.45	1.3751	0.1173%	1416	304	4.7	1				9.7087E-04
63	18.65	5.3398	0.4554%	5500	839	6.6	1				9.7087E-04
64	18.83	2.4418	0.2082%	2515	460	5.5	1				9.7087E-04
65	19.03	3.1539	0.2690%	3248	481	6.8	1				9.7087E-04
66	20.08	39.6811	3.3839%	40872	4267	9.6	2				9.7087E-04
67	20.55	5.4851	0.4678%	5650	549	10.3	2				9.7087E-04
68	20.89	197.0476	16.8036%	202959	21964	9.2	2				9.7087E-04
69	21.72	213.8728	18.2384%	220289	19406	11.4	2				9.7087E-04
70	22.97	12.2156	1.0417%	12582	479	26.3	1				9.7087E-04
71	23.79	5.3063	0.4525%	5465	346	15.8	1				9.7087E-04
72	24.93	2.3746	0.2025%	2446	247	9.9	1				9.7087E-04
73	26.16	12.9370	1.1032%	13325	715	18.6	1				9.7087E-04
74	29.89 DCB	0.0884	0.0075%	152416	10177	15.0	1	74		0	5.7977E-07
75	32.16	3.1607	0.2695%	3255	215	15.2	1				9.7087E-04
76	33.19	3.7614	0.3208%	3874	271	14.3	1				9.7087E-04
77	34.01	14.7839	1.2607%	15227	403	37.8	1				9.7087E-04

TOTAL AMOUNT = 1172.6538

KM
6-26-97

PRIMARY COLUMN

Areas, times, and heights stored in: J:1HOD50.ATB
Data File = J:1HOD50.PTS Printed on 06-26-1993 at 13:30:22
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 06-26-1993 13:50:28 Version 4.1 **********

* Sample Name: 93ZE33S39 SULFUR CLEAN-UP Data File: J:2HOD51 *
* Date: 06-24-1993 17:31:59 Method: J:2PESTAK 06-25-1993 11:15:41 # 319*
* Interface: 0 Cycle#: 51 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D LANDFILL H.O.D LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.030000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0000	0.0113%	10380	3111	3.3	1		78		1.5622E-09
2	3.22		0.0000	0.0044%	4047	1603	2.5	1		78		1.5622E-09
3	3.32		0.0001	0.0966%	88908	22544	3.9	1		78		1.5622E-09
4	3.55		0.0000	0.0070%	6457	1601	4.0	1		78		1.5622E-09
5	3.68		0.0000	0.0071%	6552	1626	4.0	1		78		1.5622E-09
6	3.84		0.0000	0.0058%	5352	709	7.6	1		78		1.5622E-09
7	3.99		0.0000	0.0066%	6078	1501	4.1	1		78		1.5622E-09
8	4.24		0.0001	0.0573%	52764	8760	6.0	1		78		1.5622E-09
9	4.57		0.0001	0.0910%	83771	10179	8.2	1		78		1.5622E-09
10	4.74		0.0000	0.0049%	4494	1571	2.9	1		78		1.5622E-09
11	4.89		0.0000	0.0182%	16729	2753	6.1	1		78		1.5622E-09
12	5.15		0.0002	0.1269%	116857	25221	4.6	1		78		1.5622E-09
13	5.47		0.0000	0.0127%	11685	1748	6.7	1		78		1.5622E-09
14	5.61		0.0000	0.0041%	3788	769	4.9	1		78		1.5622E-09
15	5.86		0.0000	0.0057%	5282	1534	3.4	1		78		1.5622E-09
16	5.99		0.0000	0.0150%	13794	4021	3.4	1		78		1.5622E-09
17	6.09		0.0000	0.0243%	22369	5576	4.0	1		78		1.5622E-09
18	6.32		0.0001	0.0619%	56953	12748	4.5	1		78		1.5622E-09
19	6.56		0.0000	0.0229%	21050	3489	6.0	1		78		1.5622E-09
20	6.71		0.0000	0.0025%	2278	757	3.0	1		78		1.5622E-09
21	6.84		0.0000	0.0257%	23647	5867	4.0	1		78		1.5622E-09
22	6.96		0.0000	0.0292%	26847	7259	3.7	1		78		1.5622E-09
23	7.06		0.0005	0.3284%	302329	90111	3.4	1		78		1.5622E-09
24	7.24		0.0000	0.0018%	1665	0	0.0	1		78		1.5622E-09
25	7.34		0.0001	0.0962%	88587	13724	6.5	1		78		1.5622E-09
26	7.63		0.0000	0.0199%	18277	4576	4.0	1		78		1.5622E-09
~~27~~	~~7.89~~	~~A-BHC~~	~~0.0129~~	~~8.9670%~~	~~47877~~	~~7189~~	~~6.7~~	~~1~~	~~78~~	~~78~~	~~0~~	~~2.6937E-07~~
28	8.11		0.0001	0.0429%	39477	10119	3.9	1		78		1.5622E-09
29	8.29		0.0000	0.0207%	19092	2789	6.8	1		78		1.5622E-09
~~30~~	~~8.53~~	~~LINDANE~~	~~0.0118~~	~~8.2028%~~	~~38896~~	~~9575~~	~~4.1~~	~~1~~	~~78~~	~~78~~	~~.7045~~	~~3.0330E-07~~
31	8.81		0.0001	0.1018%	93706	12025	7.8	1		78		1.5622E-09
32	9.05		0.0000	0.0163%	15022	3985	3.8	1		78		1.5622E-09
33	9.18		0.0000	0.0050%	4598	1364	3.4	1		78		1.5622E-09
34	9.26		0.0000	0.0089%	8228	2883	2.9	1		78		1.5622E-09
35	9.36		0.0000	0.0038%	3515	1246	2.8	1		78		1.5622E-09
36	9.46		0.0000	0.0038%	3468	1508	2.3	1		78		1.5622E-09
37	9.56		0.0003	0.2372%	218369	44188	4.9	1		78		1.5622E-09

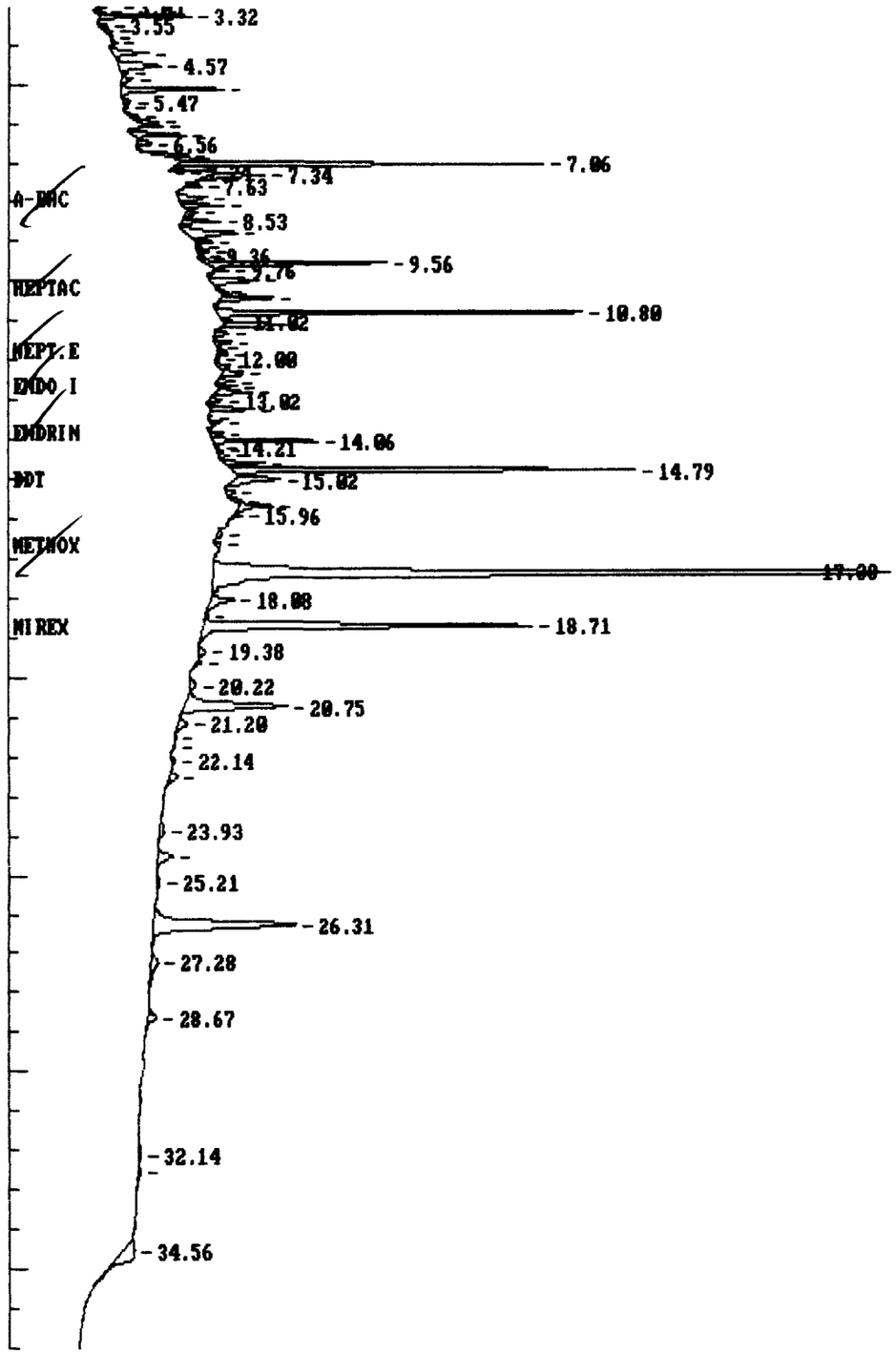
38	9.78	[illegible]	[illegible]	[illegible]	4324	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	10.00	[illegible]	[illegible]	[illegible]	11935	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.5622E-09
40	10.25 HEPTACHLOR	0.0010	0.6888%	3441	1115	3.1	1	78	78	.9255	2.8772E-07
41	10.35	0.0000	0.0056%	5176	2023	2.6	1		78		1.5622E-09
42	10.45	0.0001	0.0772%	71038	13161	5.4	1		78		1.5622E-09
43	10.80	0.0006	0.3884%	357609	89822	4.0	1		78		1.5622E-09
44	11.02 ALDRIN	0.0014	0.9444%	3969	1547	2.6	1	78	78	.8794	3.4222E-07
45	11.13	0.0001	0.0779%	71682	15502	4.6	1		78		1.5622E-09
46	11.35	0.0000	0.0218%	20059	3659	5.5	1		78		1.5622E-09
47	11.57	0.0000	0.0179%	16516	4112	4.0	1		78		1.5622E-09
48	11.68 HEPT.EPOXIDE	0.0009	0.6503%	2954	1075	2.7	1	78	78	-.7255	3.1658E-07
49	11.87	0.0000	0.0194%	17877	2742	6.5	1		78		1.5622E-09
50	12.00	0.0000	0.0035%	3214	716	4.5	1		78		1.5622E-09
51	12.15	0.0000	0.0156%	14388	2802	5.1	1		78		1.5622E-09
52	12.32	0.0001	0.0445%	40956	5042	8.1	1		78		1.5622E-09
53	12.55	0.0000	0.0176%	16224	4442	3.7	1		78		1.5622E-09
54	12.67 ENDO I	0.0054	3.7481%	15231	4852	3.1	1	78	78	.4000	3.5390E-07
55	12.84	0.0001	0.0538%	49493	9037	5.5	1		78		1.5622E-09
56	13.02	0.0000	0.0137%	12625	3347	3.8	1		78		1.5622E-09
57	13.15	0.0000	0.0023%	2110	758	2.8	1		78		1.5622E-09
58	13.25 DIELDRIN	0.0140	9.7607%	45270	10664	4.2	1	78	78	.1415	3.1009E-07
59	13.44	0.0000	0.0030%	2768	838	3.3	1		78		1.5622E-09
60	13.55	0.0000	0.0114%	10467	2846	3.7	1		78		1.5622E-09
61	13.87 ENDRIN	0.0074	5.1459%	18235	3315	5.5	1	78	78	.6311	4.0586E-07
62	14.06 ENDO II	0.0362	25.1686%	104652	25901	4.0	1	78	78	.5065	3.4588E-07
63	14.21	0.0000	0.0025%	2300	742	3.1	1		78		1.5622E-09
64	14.31	0.0000	0.0046%	4195	1260	3.3	1		78		1.5622E-09
65	14.42	0.0000	0.0100%	9215	2339	3.9	1		78		1.5622E-09
66	14.62	0.0001	0.0422%	38813	9418	4.1	1		78		1.5622E-09
67	14.79	0.0007	0.5209%	479574	98925	4.8	1		78		1.5622E-09
68	15.02 DDT	0.0395	27.4424%	90893	11606	7.8	1	78	78	.1563	4.3422E-07
69	15.36	0.0000	0.0129%	11834	1914	6.2	1		78		1.5622E-09
70	15.58	0.0000	0.0073%	6707	1306	5.1	1		78		1.5622E-09
71	15.71	0.0001	0.0537%	49469	8404	5.9	1		78		1.5622E-09
72	15.96	0.0000	0.0109%	10059	2443	4.1	1		78		1.5622E-09
73	16.39	0.0000	0.0139%	12842	1355	9.5	1		78		1.5622E-09
74	16.66 METHOXYCHLOR	0.0040	2.7992%	4927	1083	4.6	1	78	78	.1672	8.1712E-07
75	17.38	0.0030	2.0516%	1888786	220824	8.6	1		78		1.5622E-09
76	18.08	0.0001	0.0618%	56903	5762	9.9	1		78		1.5622E-09
77	18.48	0.0000	0.0040%	3718	677	5.5	1		78		1.5622E-09
78	18.71 MIREX	1.0000	0.0000%	621482	81197	7.7	1	78	78	0	1.6091E-06
79	19.38	0.0000	0.0200%	18427	1882	9.8	1		78		1.5622E-09
80	19.67	0.0000	0.0120%	11054	1302	8.5	1		78		1.5622E-09
81	20.22	0.0000	0.0188%	17274	1340	12.9	1		78		1.5622E-09
82	20.75	0.0004	0.3039%	279746	25441	11.0	1		78		1.5622E-09
83	21.20	0.0000	0.0326%	30008	2606	11.5	1		78		1.5622E-09
84	21.55	0.0000	0.0023%	2115	334	6.3	1		78		1.5622E-09
85	21.77	0.0000	0.0061%	5572	548	10.2	1		78		1.5622E-09
86	22.14	0.0000	0.0081%	7469	976	7.7	1		78		1.5622E-09
87	22.52	0.0000	0.0259%	23807	1876	12.7	1		78		1.5622E-09
88	23.93	0.0000	0.0254%	23421	1225	19.1	1		78		1.5622E-09
89	24.56	0.0001	0.0547%	50384	3858	13.1	1		78		1.5622E-09
90	25.21	0.0000	0.0161%	14778	895	16.5	1		78		1.5622E-09
91	26.31	0.0008	0.5285%	486549	35176	13.8	1		78		1.5622E-09
92	27.28	0.0001	0.0405%	37265	1756	21.2	1		78		1.5622E-09
93	28.67	0.0000	0.0297%	27376	2040	13.4	1		78		1.5622E-09
94	32.14	0.0000	0.0112%	10331	467	22.1	1		78		1.5622E-09
95	32.59	0.0000	0.0066%	6093	392	15.5	1		78		1.5622E-09
96	34.56	0.0002	0.1338%	123157	3201	38.5	1		78		1.5622E-09

TOTAL AMOUNT = 0.1438

KM
6-26-93

SECONDARY COLUMN

Areas, times, and heights stored in: J:2HOD51.ATB
Data File = J:2HOD51.PTS Printed on 06-26-1993 at 13:52:23
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

SECONDARY COLUMN

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******   INTERNAL STANDARD TABLE   ******
******************** 06-26-1993 13:44:08 Version 4.1 **********************
* Sample Name: 93ZE33S39 SULFUR CLEAN-UP          Data File: J:2HOD51      *
* Date: 06-24-1993 17:31:59 Method: J:2PESTBK  06-25-1993 11:16:13  #  603*
* Interface: 0   Cycle#:  51   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D LANDFILL                    H.O.D LANDFILL      *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.030000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0000	0.0058%	10380	3111	3.3	1		78		1.5622E-09
2	3.22		0.0000	0.0022%	4047	1603	2.5	1		78		1.5622E-09
3	3.32		0.0001	0.0494%	88908	22544	3.9	1		78		1.5622E-09
4	3.55		0.0000	0.0036%	6457	1601	4.0	1		78		1.5622E-09
5	3.68		0.0000	0.0036%	6552	1626	4.0	1		78		1.5622E-09
6	3.84		0.0000	0.0030%	5352	709	7.6	1		78		1.5622E-09
7	3.99		0.0000	0.0034%	6078	1501	4.1	1		78		1.5622E-09
8	4.24		0.0001	0.0293%	52764	8760	6.0	1		78		1.5622E-09
9	4.57		0.0001	0.0465%	83771	10179	8.2	1		78		1.5622E-09
10	4.74		0.0000	0.0025%	4494	1571	2.9	1		78		1.5622E-09
11	4.89		0.0000	0.0093%	16729	2753	6.1	1		78		1.5622E-09
12	5.15		0.0002	0.0649%	116857	25221	4.6	1		78		1.5622E-09
13	5.47		0.0000	0.0065%	11685	1748	6.7	1		78		1.5622E-09
14	5.61		0.0000	0.0021%	3788	769	4.9	1		78		1.5622E-09
15	5.86		0.0000	0.0029%	5282	1534	3.4	1		78		1.5622E-09
16	5.99		0.0000	0.0077%	13794	4021	3.4	1		78		1.5622E-09
17	6.09		0.0000	0.0124%	22369	5576	4.0	1		78		1.5622E-09
18	6.32		0.0001	0.0316%	56953	12748	4.5	1		78		1.5622E-09
19	6.56		0.0000	0.0117%	21050	3489	6.0	1		78		1.5622E-09
20	6.71		0.0000	0.0013%	2278	757	3.0	1		78		1.5622E-09
21	6.84		0.0000	0.0131%	23647	5867	4.0	1		78		1.5622E-09
22	6.96		0.0000	0.0149%	26847	7259	3.7	1		78		1.5622E-09
23	7.06	TCMX	0.0752	26.7099%	302329	90111	3.4	1	78	78	0	2.4864E-07
24	7.24		0.0000	0.0009%	1665	0	0.0	1		78		1.5622E-09
25	7.34		0.0001	0.0492%	88587	13724	6.5	1		78		1.5622E-09
26	7.63		0.0000	0.0101%	18277	4576	4.0	1		78		1.5622E-09
27	7.89		0.0001	0.0266%	47877	7189	6.7	1		78		1.5622E-09
28	8.11		0.0001	0.0219%	39477	10119	3.9	1		78		1.5622E-09
29	8.29		0.0000	0.0106%	19092	2789	6.8	1		78		1.5622E-09
30	8.53		0.0001	0.0216%	38896	9575	4.1	1		78		1.5622E-09
31	8.81		0.0001	0.0520%	93706	12025	7.8	1		78		1.5622E-09
~~32~~	~~9.05~~	~~D-BHC~~	~~0.0047~~	~~1.6541%~~	~~15022~~	~~3985~~	~~3.8~~	~~1~~	~~78~~	~~78~~	~~0~~	~~3.0989E-07~~
33	9.18		0.0000	0.0026%	4598	1364	3.4	1		78		1.5622E-09
34	9.26		0.0000	0.0046%	8228	2883	2.9	1		78		1.5622E-09
35	9.36		0.0000	0.0020%	3515	1246	2.8	1		78		1.5622E-09
36	9.46		0.0000	0.0019%	3468	1508	2.3	1		78		1.5622E-09
37	9.56		0.0003	0.1212%	218369	44188	4.9	1		78		1.5622E-09

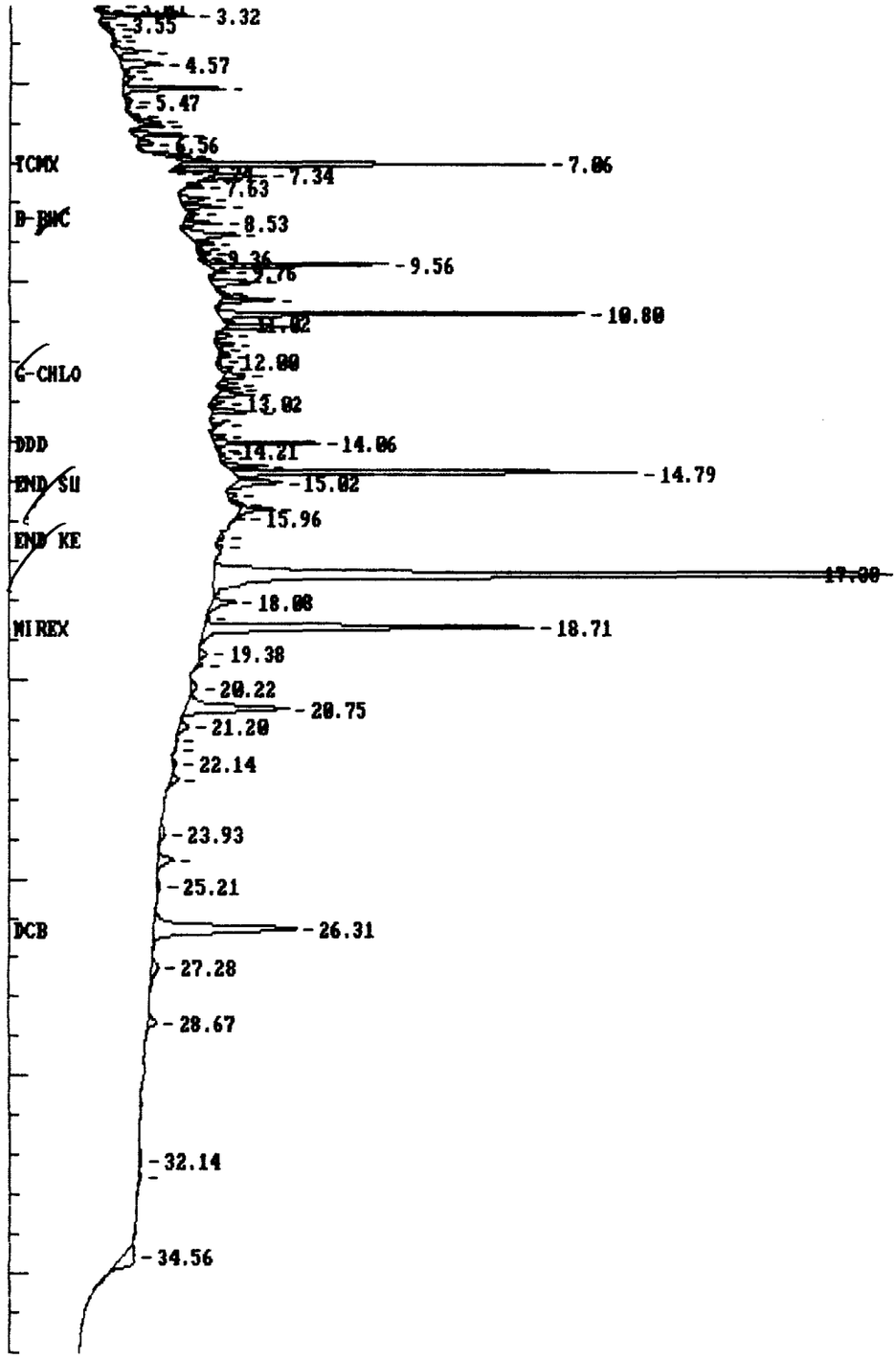
38	9.76	0.0000	[illegible]	[illegible]	[illegible]	[illegible]			78		1.5622E-09
39	10.00	0.0001	0.0455%	82057	11915	6.9	1		78		1.5622E-09
40	10.25	0.0000	0.0019%	3441	1115	3.1	1		78		1.5622E-09
41	10.35	0.0000	0.0029%	5176	2023	2.6	1		78		1.5622E-09
42	10.45	0.0001	0.0394%	71038	13161	5.4	1		78		1.5622E-09
43	10.80	0.0006	0.1985%	357609	89822	4.0	1		78		1.5622E-09
44	11.02	0.0000	0.0022%	3969	1547	2.6	1		78		1.5622E-09
45	11.13	0.0001	0.0398%	71682	15502	4.6	1		78		1.5622E-09
46	11.35	0.0000	0.0111%	20059	3659	5.5	1		78		1.5622E-09
47	11.57	0.0000	0.0092%	16516	4112	4.0	1		78		1.5622E-09
48	11.68	0.0000	0.0016%	2954	1075	2.7	1		78		1.5622E-09
49	11.87	0.0000	0.0099%	17877	2742	6.5	1		78		1.5622E-09
50	12.00	0.0000	0.0018%	3214	716	4.5	1		78		1.5622E-09
51	12.15	0.0000	0.0080%	14388	2802	5.1	1		78		1.5622E-09
~~52~~	~~12.32 G-CHLOR~~	~~0.0107~~	~~3.8157%~~	~~40956~~	~~5042~~	~~8.1~~	~~1~~	~~78~~	~~78~~	~~.1319~~	~~2.6220E-07~~
53	12.55	0.0000	0.0090%	16224	4442	3.7	1		78		1.5622E-09
~~54~~	~~12.67 A-CHLOR~~	~~0.0040~~	~~1.4351%~~	~~15231~~	~~4852~~	~~3.1~~	~~1~~	~~78~~	~~78~~	~~.1357~~	~~2.6517E-07~~
55	12.84	0.0001	0.0275%	49493	9037	5.5	1		78		1.5622E-09
~~56~~	~~13.02 DDE~~	~~0.0040~~	~~1.4138%~~	~~12625~~	~~3347~~	~~3.8~~	~~1~~	~~78~~	~~78~~	~~0~~	~~3.1515E-07~~
57	13.15	0.0000	0.0012%	2110	758	2.8	1		78		1.5622E-09
58	13.25	0.0001	0.0251%	45270	10664	4.2	1		78		1.5622E-09
59	13.44	0.0000	0.0015%	2768	838	3.3	1		78		1.5622E-09
60	13.55	0.0000	0.0058%	10467	2846	3.7	1		78		1.5622E-09
61	13.87	0.0000	0.0101%	18235	3315	5.5	1		78		1.5622E-09
62	14.06 DDD	0.0403	14.3137%	104652	25901	4.0	1	78	78	.1487	3.8492E-07
63	14.21	0.0000	0.0013%	2300	742	3.1	1		78		1.5622E-09
64	14.31	0.0000	0.0023%	4195	1260	3.3	1		78		1.5622E-09
~~65~~	~~14.42 END ALD~~	~~0.0035~~	~~1.2478%~~	~~9215~~	~~2339~~	~~3.9~~	~~1~~	~~78~~	~~78~~	~~0~~	~~3.8108E-07~~
66	14.62	0.0001	0.0215%	38813	9418	4.1	1		78		1.5622E-09
67	14.79	0.0007	0.2662%	479574	98925	4.8	1		78		1.5622E-09
~~68~~	~~15.02 END SULFATE~~	~~0.0396~~	~~14.0613%~~	~~90893~~	~~11606~~	~~7.8~~	~~1~~	~~78~~	~~78~~	~~0~~	~~4.3537E-07~~
69	15.36	0.0000	0.0066%	11834	1914	6.2	1		78		1.5622E-09
70	15.58	0.0000	0.0037%	6707	1306	5.1	1		78		1.5622E-09
71	15.71	0.0001	0.0275%	49469	8404	5.9	1		78		1.5622E-09
72	15.96	0.0000	0.0056%	10059	2443	4.1	1		78		1.5622E-09
~~73~~	~~16.39 END KETONE~~	~~0.0039~~	~~1.3842%~~	~~12842~~	~~1355~~	~~9.5~~	~~1~~	~~78~~	~~78~~	~~-.4422~~	~~3.0335E-07~~
74	16.66	0.0000	0.0027%	4927	1083	4.6	1		78		1.5622E-09
75	17.38	0.0030	1.0484%	1888786	220824	8.6	1		78		1.5622E-09
76	18.08	0.0001	0.0316%	56903	5762	9.9	1		78		1.5622E-09
77	18.48	0.0000	0.0021%	3718	677	5.5	1		78		1.5622E-09
78	18.71 MIREX	1.0000	0.0000%	621482	81197	7.7	1	78	78	0	1.6091E-06
79	19.38	0.0000	0.0102%	18427	1882	9.8	1		78		1.5622E-09
80	19.67	0.0000	0.0061%	11054	1302	8.5	1		78		1.5622E-09
81	20.22	0.0000	0.0096%	17274	1340	12.9	1		78		1.5622E-09
82	20.75	0.0004	0.1553%	279746	25441	11.0	1		78		1.5622E-09
83	21.20	0.0000	0.0167%	30008	2606	11.5	1		78		1.5622E-09
84	21.55	0.0000	0.0012%	2115	334	6.3	1		78		1.5622E-09
85	21.77	0.0000	0.0031%	5572	548	10.2	1		78		1.5622E-09
86	22.14	0.0000	0.0041%	7469	976	7.7	1		78		1.5622E-09
87	22.52	0.0000	0.0132%	23807	1876	12.7	1		78		1.5622E-09
88	23.93	0.0000	0.0130%	23421	1225	19.1	1		78		1.5622E-09
89	24.56	0.0001	0.0280%	50384	3858	13.1	1		78		1.5622E-09
90	25.21	0.0000	0.0082%	14778	895	16.5	1		78		1.5622E-09
91	26.31 DCB	0.0874	31.0482%	486549	35176	13.8	1	78	78	0	1.7959E-07
92	27.28	0.0001	0.0207%	37265	1756	21.2	1		78		1.5622E-09
93	28.67	0.0000	0.0152%	27376	2040	13.4	1		78		1.5622E-09
94	32.14	0.0000	0.0057%	10331	467	22.1	1		78		1.5622E-09
95	32.59	0.0000	0.0034%	6093	392	15.5	1		78		1.5622E-09
96	34.56	0.0002	0.0684%	123157	3201	38.5	1		78		1.5622E-09

TOTAL AMOUNT = 0.2814

KM
6-26-93

SECONDARY COLUMN

Areas, times, and heights stored in: J:2HOD51.ATB
Data File = J:2HOD51.PTS Printed on 06-26-1993 at 13:46:03
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

PRIMARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 06-26-1993 13:36:42 Version 4.1 **********

* Sample Name: 93ZE33D39 SULFUR CLEAN-UP Data File: J:1HOD51 *

* Date: 06-24-1993 17:32:00 Method: J:1PESTAI 05-26-1993 14:54:25 # 328*

* Interface: 0 Cycle#: 51 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D LANDFILL H.O.D LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 1.025000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.32		0.0001	0.0170%	26032	2705	9.6	1		65		5.2769E-09
2	3.60		0.0001	0.0092%	14121	2281	6.2	2		65		5.2769E-09
3	3.73		0.0001	0.0069%	10560	2129	5.0	2		65		5.2769E-09
4	4.04		0.0006	0.0710%	108801	13465	8.1	2		65		5.2769E-09
5	4.24		0.0001	0.0141%	21586	3674	5.9	2		65		5.2769E-09
6	4.44		0.0003	0.0322%	49265	6442	7.6	2		65		5.2769E-09
7	4.54		0.0002	0.0295%	45145	8660	5.2	2		65		5.2769E-09
8	4.67		0.0001	0.0111%	17048	2874	5.9	2		65		5.2769E-09
9	4.92		0.0003	0.0349%	53461	5568	9.6	2		65		5.2769E-09
10	5.10		0.0004	0.0530%	81171	8172	9.9	2		65		5.2769E-09
11	5.30		0.0001	0.0168%	25791	3681	7.0	2		65		5.2769E-09
12	5.42		0.0004	0.0456%	69802	9745	7.2	2		65		5.2769E-09
13	5.71		0.0002	0.0249%	38124	5422	7.0	2		65		5.2769E-09
14	6.06		0.0001	0.0166%	25419	3313	7.7	2		65		5.2769E-09
15	6.26		0.0001	0.0124%	18961	2590	7.3	2		65		5.2769E-09
16	6.36		0.0000	0.0057%	8691	2010	4.3	2		65		5.2769E-09
17	6.49		0.0001	0.0070%	10740	2149	5.0	2		65		5.2769E-09
18	6.79		0.0003	0.0431%	66028	6231	10.6	2		65		5.2769E-09
19	7.01		0.0009	0.1085%	166185	31515	5.3	3		65		5.2769E-09
20	7.36		0.0001	0.0104%	16008	2642	6.1	4		65		5.2769E-09
21	7.46		0.0001	0.0179%	27346	5192	5.3	4		65		5.2769E-09
22	7.56		0.0005	0.0584%	89398	7009	12.8	2		65		5.2769E-09
23	8.04		0.0001	0.0111%	17073	2193	7.8	2		65		5.2769E-09
24	8.19		0.0002	0.0277%	42444	7166	5.9	2		65		5.2769E-09
25	8.43		0.0000	0.0038%	5751	954	6.0	2		65		5.2769E-09
~~26~~	~~8.64~~	~~A-BHC~~	~~0.0122~~	~~1.5131%~~	~~13937~~	~~1732~~	~~8.0~~	~~2~~	~~65~~	~~65~~	~~-.6401~~	~~8.7769E-07~~
27	8.86		0.0001	0.0101%	15543	2393	6.5	2		65		5.2769E-09
28	8.98		0.0007	0.0864%	132328	19677	6.7	2		65		5.2769E-09
29	9.26		0.0007	0.0926%	141920	20566	6.9	2		65		5.2769E-09
30	9.50		0.0003	0.0341%	52270	6883	7.6	2		65		5.2769E-09
~~31~~	~~9.65~~	~~LINDANE~~	~~0.0304~~	~~3.7559%~~	~~29088~~	~~4570~~	~~6.4~~	~~2~~	~~65~~	~~65~~	~~.1462~~	~~1.0438E-06~~
32	9.83		0.0002	0.0254%	38982	4333	9.0	2		65		5.2769E-09
33	10.01		0.0002	0.0205%	31389	4404	7.1	2		65		5.2769E-09
34	10.28		0.0000	0.0053%	8164	2522	3.2	1		65		5.2769E-09
35	10.58		0.0001	0.0157%	24112	4439	5.4	1		65		5.2769E-09
36	11.00		0.0003	0.0320%	49019	5039	9.7	2		65		5.2769E-09
37	11.28	ALDRIN	0.0326	4.0325%	30482	3421	8.9	2	65	65	.9170	1.0695E-06

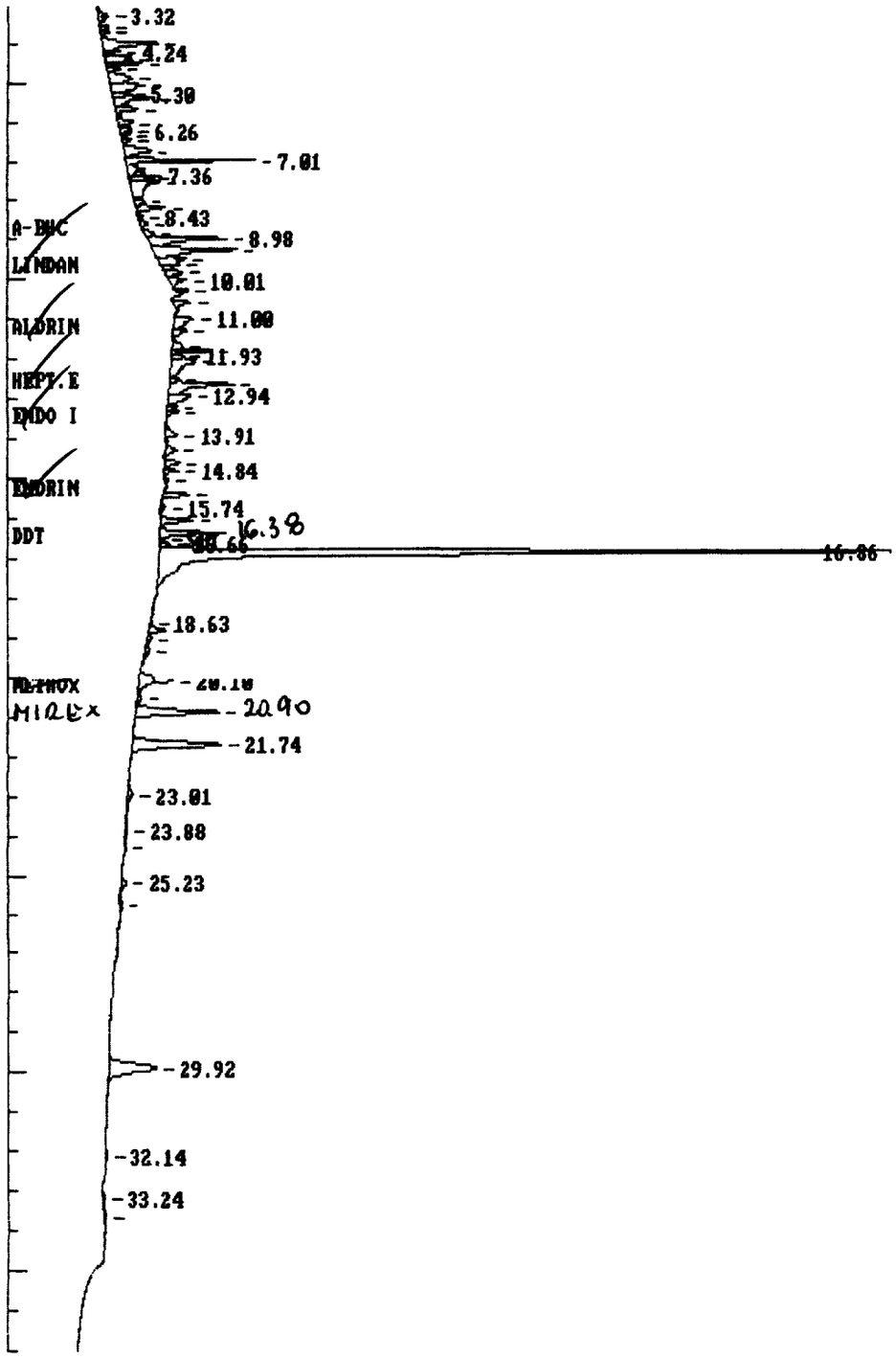
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		65		5.2769E-09
39	11.80	0.0002	0.0284%	43551	9822	4.4	2		65		5.2769E-09
40	11.93	0.0001	0.0098%	15055	2951	5.1	2		65		5.2769E-09
41	12.03	0.0005	0.0625%	95780	6155	15.6	2		65		5.2769E-09
42	~~12.50 HEPT.EPOXIDE~~	~~0.0123~~	~~1.5175%~~	~~10829~~	~~2153~~	~~5.0~~	~~2~~	~~65~~	~~65~~	~~0~~	~~1.1328E-06~~
43	12.64	0.0007	0.0835%	127955	15811	8.1	2		65		5.2769E-09
44	12.94	0.0004	0.0441%	67627	5448	12.4	2		65		5.2769E-09
45	13.22	0.0001	0.0077%	11752	2202	5.3	2		65		5.2769E-09
~~46~~	~~13.34 ENDO I~~	~~0.0170~~	~~2.1027%~~	~~14705~~	~~2826~~	~~5.2~~	~~2~~	~~65~~	~~65~~	~~-.6753~~	~~1.1559E-06~~
47	13.91	0.0001	0.0160%	24532	2802	8.8	1		65		5.2769E-09
~~48~~	~~14.31 DIELDRIN~~	~~0.0281~~	~~3.4773%~~	~~21260~~	~~2790~~	~~7.6~~	~~1~~	~~65~~	~~65~~	~~.5543~~	~~1.3223E-06~~
49	14.62	0.0001	0.0170%	25994	3717	7.0	2		65		5.2769E-09
50	14.84	0.0001	0.0096%	14750	3504	4.2	2		65		5.2769E-09
51	15.04	0.0000	0.0023%	3470	877	4.0	1		65		5.2769E-09
52	15.42	0.0002	0.0222%	34078	6486	5.3	1		65		5.2769E-09
~~53~~	~~15.74 ENDO II~~	~~0.0129~~	~~1.5981%~~	~~10128~~	~~1067~~	~~9.5~~	~~1~~	~~65~~	~~65~~	~~-.2097~~	~~1.2756E-06~~
54	16.06	0.0003	0.0326%	49870	7918	6.3	2		65		5.2769E-09
55	16.38 DDT	0.2242	27.7385%	95030	11901	8.0	3	65	65	-.1893	2.3597E-06
56	16.54	0.0000	0.0009%	1416	677	2.1	4		65		5.2769E-09
57	16.66	0.0001	0.0084%	12916	2580	5.0	2		65		5.2769E-09
58	16.86	0.0079	0.9771%	1496973	189686	7.9	2		65		5.2769E-09
59	18.63	0.0000	0.0018%	2742	422	6.5	2		65		5.2769E-09
60	18.83	0.0002	0.0213%	32691	4324	7.6	2		65		5.2769E-09
61	19.05	0.0001	0.0069%	10608	1163	9.1	2		65		5.2769E-09
62	19.37	0.0001	0.0151%	23153	1150	20.1	2		65		5.2769E-09
~~63~~	~~20.10 METHOXYCHLOR~~	~~0.4166~~	~~51.5299%~~	~~88000~~	~~8317~~	~~10.6~~	~~2~~	~~65~~	~~65~~	~~-.4249~~	~~4.7339E-06~~
64	20.57	0.0001	0.0075%	11474	1130	10.2	2		65		5.2769E-09
65	20.90 MIREX	1.0000	0.0000%	184881	20346	9.1	2	65	65	0	5.4089E-06
66	21.74	0.0012	0.1519%	232758	21986	10.6	1		65		5.2769E-09
67	23.01	0.0002	0.0190%	29087	1338	21.7	2		65		5.2769E-09
68	23.88	0.0001	0.0076%	11671	572	20.4	2		65		5.2769E-09
69	24.34	0.0000	0.0055%	8461	512	16.5	2		65		5.2769E-09
70	25.23	0.0001	0.0105%	16138	1289	12.5	1		65		5.2769E-09
71	25.78	0.0000	0.0051%	7840	432	18.2	1		65		5.2769E-09
72	29.92	0.0010	0.1179%	180643	11719	15.4	1		65		5.2769E-09
73	32.14	0.0000	0.0038%	5888	331	17.8	1		65		5.2769E-09
74	33.24	0.0000	0.0054%	8237	490	16.8	2		65		5.2769E-09
75	33.69	0.0000	0.0061%	9393	387	24.3	2		65		5.2769E-09

TOTAL AMOUNT = 0.8084

KM
6-26-97

PRIMARY COLUMN

Areas, times, and heights stored in: J:1HOD51.ATB
Data File = J:1HOD51.PTS Printed on 06-26-1993 at 13:38:17
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

PRIMARY COLUMN

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

********** 06-26-1993 13:31:17 Version 4.1 **********

* Sample Name: 93ZE33D39 SULFUR CLEAN-UP Data File: J:1HOD51 *
* Date: 06-24-1993 17:32:00 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 51 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D LANDFILL H.O.D LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Sample Weight: 1.025000

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	3.32		25.3970	1.4174%	26032	2705	9.6	1			9.7561E-04
2	3.60		9.9501	0.5553%	10199	1926	5.3	1			9.7561E-04
3	3.73		5.6576	0.3158%	5799	1555	3.7	1			9.7561E-04
4	4.04		73.9896	4.1294%	75839	11696	6.5	1			9.7561E-04
5	4.24		7.8659	0.4390%	8063	2175	3.7	1			9.7561E-04
6	4.44		22.9209	1.2792%	23494	2913	8.1	1			9.7561E-04
7	4.54		21.0967	1.1774%	21624	6052	3.6	1			9.7561E-04
8	4.67		8.8704	0.4951%	9092	2069	4.4	1			9.7561E-04
9	4.92		23.5157	1.3124%	24104	3343	7.2	1			9.7561E-04
10	5.10		34.1105	1.9037%	34963	5105	6.8	1			9.7561E-04
11	5.30		2.7450	0.1532%	2814	852	3.3	1			9.7561E-04
12	5.42		35.7162	1.9933%	36609	7425	4.9	1			9.7561E-04
13	5.71		23.3363	1.3024%	23920	4427	5.4	1			9.7561E-04
14	6.06		18.0399	1.0068%	18491	2887	6.4	1			9.7561E-04
15	6.26		11.8119	0.6592%	12107	1901	6.4	1			9.7561E-04
16	6.36		4.4029	0.2457%	4513	1444	3.1	1			9.7561E-04
17	6.49		9.2546	0.5165%	9486	2017	4.7	1			9.7561E-04
18	6.79		51.7027	2.8855%	52995	5394	9.8	1			9.7561E-04
19	7.01	TCMX	0.0699	0.0039%	114194	30034	3.8	1	19	0	6.1179E-07
20	7.36		3.6800	0.2054%	3772	836	4.5	1			9.7561E-04
21	7.46		7.2374	0.4039%	7418	2330	3.2	1			9.7561E-04
22	7.56		38.7143	2.1606%	39682	4512	8.8	1			9.7561E-04
23	8.04		7.2765	0.4061%	7458	1321	5.6	1			9.7561E-04
24	8.19		34.0323	1.8993%	34883	6491	5.4	1			9.7561E-04
25	8.43		3.1556	0.1761%	3234	675	4.8	1			9.7561E-04
26	8.64		10.4697	0.5843%	10731	1591	6.7	1			9.7561E-04
27	8.86		7.1509	0.3991%	7330	1399	5.2	1			9.7561E-04
28	8.98		97.3138	5.4311%	99747	18037	5.5	1			9.7561E-04
29	9.26		98.4629	5.4952%	100924	18042	5.6	1			9.7561E-04
30	9.50		14.4259	0.8051%	14787	3632	4.1	1			9.7561E-04
31	9.65		3.6776	0.2052%	3770	1270	3.0	1			9.7561E-04
~~32~~	~~9.83~~	~~B-BHC~~	~~0.0191~~	~~0.0011%~~	~~16763~~	~~2794~~	~~6.0~~	~~1~~	~~32~~	~~0~~	~~1.1401E-06~~
33	10.01		22.8241	1.2738%	23395	3739	6.3	1			9.7561E-04
34	10.28		7.9652	0.4445%	8164	2522	3.2	1			9.7561E-04
~~35~~	~~10.58~~	~~D-BHC~~	~~0.0234~~	~~0.0013%~~	~~24112~~	~~4439~~	~~5.4~~	~~1~~	~~35~~	~~0~~	~~9.6856E-07~~
36	11.00		33.0460	1.8443%	33872	4508	7.5	1			9.7561E-04
37	11.28		16.8649	0.9412%	17287	2342	7.4	1			9.7561E-04
38	11.70		3.6507	0.2037%	3742	624	6.0	1			9.7561E-04

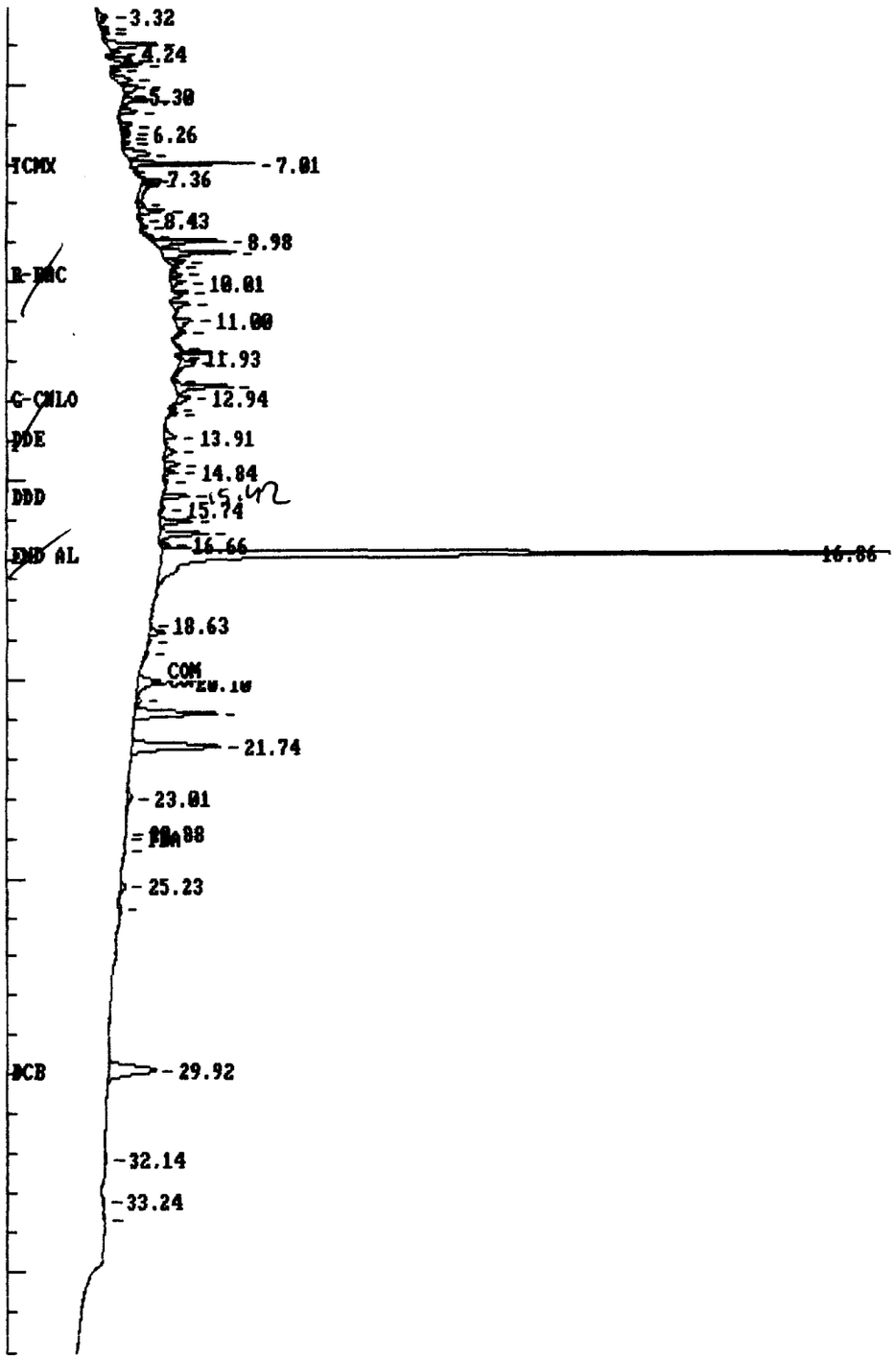
39	11.[illegible]	[illegible]	1.5402%	[illegible]	[illegible]	3.5	1			9.7561E-04
40	11.93	2.6101	0.1457%	2675	960	2.8	1			9.7561E-04
41	12.03	47.8302	2.6694%	49026	3934	12.5	1			9.7561E-04
42	12.50	3.1634	0.1765%	3242	1071	3.0	1			9.7561E-04
43	12.64	85.6236	4.7787%	87764	13967	6.3	1			9.7561E-04
~~44~~	~~12.94 G-CHLORDANE~~	~~0.0260~~	~~0.0014%~~	~~33748~~	~~3274~~	~~10.3~~	~~1~~	~~44~~	~~0~~	~~7.6982E-07~~
45	13.22	4.5838	0.2558%	4698	1352	3.5	1			9.7561E-04
~~46~~	~~13.34 A-CHLORDANE~~	~~0.0067~~	~~0.0004%~~	~~8624~~	~~2059~~	~~4.2~~	~~1~~	~~46~~	~~0~~	~~7.7428E-07~~
~~47~~	~~13.91 DDE~~	~~0.0243~~	~~0.0014%~~	~~24532~~	~~2802~~	~~8.8~~	~~1~~	~~47~~	~~0~~	~~9.9215E-07~~
48	14.31	20.7419	1.1576%	21260	2790	7.6	1			9.7561E-04
49	14.62	24.3295	1.3578%	24938	3655	6.8	1			9.7561E-04
50	14.84	13.6815	0.7636%	14023	3439	4.1	1			9.7561E-04
51	15.04	3.3853	0.1889%	3470	877	4.0	1			9.7561E-04
52	15.42 DDD	0.0663	0.0037%	34078	6486	5.3	1	52	0	1.9455E-06
53	15.74	9.8812	0.5515%	10128	1067	9.5	1			9.7561E-04
54	16.06	45.6677	2.5487%	46809	7802	6.0	1			9.7561E-04
55	16.38	74.6011	4.1635%	76466	11659	6.6	1			9.7561E-04
56	16.66	8.6954	0.4853%	8913	2136	4.2	1			9.7561E-04
~~57~~	~~16.86 END ALDEHYDE~~	~~1.8333~~	~~0.1023%~~	~~1472298~~	~~189040~~	~~7.8~~	~~1~~	~~57~~	~~0~~	~~1.2452E-06~~
58	18.63	1.0216	0.0570%	1047	234	4.5	1			9.7561E-04
59	18.83	25.4923	1.4227%	26130	3939	6.6	1			9.7561E-04
60	19.05	4.0647	0.2269%	4166	695	6.0	1			9.7561E-04
61	19.37	10.6086	0.5921%	10874	673	16.1	1			9.7561E-04
62	20.10	85.8540	4.7915%	88000	8317	10.6	2			9.7561E-04
63	20.57	11.1942	0.6248%	11474	1130	10.2	2			9.7561E-04
64	20.90	180.3721	10.0666%	184881	20346	9.1	2			9.7561E-04
65	21.74	227.0806	12.6734%	232758	21986	10.6	1			9.7561E-04
66	23.01	22.9038	1.2783%	23476	1280	18.3	1			9.7561E-04
67	23.88	4.6532	0.2597%	4770	341	14.0	1			9.7561E-04
68	24.34	4.3834	0.2446%	4493	333	13.5	1			9.7561E-04
69	25.23	15.7446	0.8787%	16138	1289	12.5	1			9.7561E-04
70	25.78	7.6484	0.4269%	7840	432	18.2	1			9.7561E-04
71	29.92 DCB	0.1052	0.0059%	180643	11719	15.4	1	71	0	5.8260E-07
72	32.14	5.7440	0.3206%	5888	331	17.8	1			9.7561E-04
73	33.24	5.0002	0.2791%	5125	338	15.2	1			9.7561E-04
74	33.69	5.1293	0.2863%	5257	276	19.0	1			9.7561E-04

TOTAL AMOUNT = 1791.7932

KM
6-26-93

PRIMARY COLUMN

Areas, times, and heights stored in: J:1HOD51.ATB
Data File = J:1HOD51.PTS Printed on 06-26-1993 at 13:32:50
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26

SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 06-26-1993 13:53:26 Version 4.1 **********************
* Sample Name: 93ZE33D39 SULFUR CLEAN-UP          Data File: J:2HOD52      *
* Date: 06-24-1993 18:09:25 Method: J:2PESTAK  06-25-1993 11:15:41  #  319*
* Interface: 0   Cycle#:  52   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*              ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF  *
* Misc. Information: H.O.D LANDFILL                      H.O.D LANDFILL   *
*************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:       500                       One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.025000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.22		0.0001	0.0197%	31268	9252	3.4	1		75		2.0853E-09
2	3.32		0.0002	0.0554%	87661	22279	3.9	1		75		2.0853E-09
3	3.52		0.0000	0.0126%	19881	5065	3.9	1		75		2.0853E-09
4	3.63		0.0001	0.0204%	32318	8772	3.7	1		75		2.0853E-09
5	3.84		0.0002	0.0498%	78796	9942	7.9	1		75		2.0853E-09
6	3.99		0.0000	0.0151%	23863	7060	3.4	1		75		2.0853E-09
7	4.22		0.0003	0.0813%	128740	21007	6.1	1		75		2.0853E-09
8	4.49		0.0008	0.2329%	368829	41493	8.9	1		75		2.0853E-09
9	4.74		0.0001	0.0161%	25574	7454	3.4	1		75		2.0853E-09
10	4.89		0.0000	0.0035%	5468	2186	2.5	1		75		2.0853E-09
11	4.99		0.0000	0.0062%	9849	3243	3.0	1		75		2.0853E-09
12	5.15		0.0004	0.1252%	198256	29707	6.7	1		75		2.0853E-09
13	5.37		0.0000	0.0004%	710	0	0.0	1		75		2.0853E-09
14	5.49		0.0000	0.0131%	20801	5695	3.7	1		75		2.0853E-09
15	5.66		0.0001	0.0238%	37657	6101	6.2	1		75		2.0853E-09
16	5.86		0.0001	0.0295%	46749	11883	3.9	1		75		2.0853E-09
17	6.01		0.0004	0.1135%	179693	26657	6.7	1		75		2.0853E-09
18	6.32		0.0003	0.0884%	140011	22400	6.3	1		75		2.0853E-09
19	6.56		0.0002	0.0523%	82808	19076	4.3	1		75		2.0853E-09
20	6.69		0.0000	0.0036%	5733	1718	3.3	1		75		2.0853E-09
21	6.84		0.0004	0.1185%	187612	33788	5.6	1		75		2.0853E-09
22	7.06		0.0005	0.1510%	239113	72186	3.3	1		75		2.0853E-09
23	7.18		0.0000	0.0069%	10973	4713	2.3	1		75		2.0853E-09
24	7.28		0.0010	0.3100%	490987	46995	10.4	1		75		2.0853E-09
25	7.69		0.0000	0.0147%	23286	3103	7.5	1		75		2.0853E-09
~~26~~	~~7.89~~	~~A-BHC~~	~~0.0571~~	~~17.3046%~~	~~158938~~	~~24903~~	~~6.4~~	~~1~~	~~75~~	~~75~~	~~0~~	~~3.5766E-07~~
27	8.29		0.0002	0.0460%	72899	11695	6.2	1		75		2.0853E-09
~~28~~	~~8.53~~	~~LINDANE~~	~~0.0458~~	~~13.8578%~~	~~113041~~	~~28956~~	~~3.9~~	~~1~~	~~75~~	~~75~~	~~-.7045~~	~~4.0486E-07~~
29	8.81		0.0004	0.1231%	194934	30834	6.3	1		75		2.0853E-09
30	9.05		0.0001	0.0189%	29980	7835	3.8	1		75		2.0853E-09
31	9.35		0.0002	0.0696%	110228	18229	6.0	1		75		2.0853E-09
32	9.55		0.0000	0.0090%	14227	5442	2.6	1		75		2.0853E-09
33	9.63		0.0000	0.0120%	19081	7253	2.6	1		75		2.0853E-09
34	9.76		0.0001	0.0360%	57068	9636	5.9	1		75		2.0853E-09
35	10.00		0.0000	0.0110%	17498	5034	3.5	1		75		2.0853E-09
36	10.25	HEPTACHLOR	0.0117	3.5575%	30590	7793	3.9	1	75	75	.9255	3.8406E-07
37	10.38		0.0000	0.0010%	1546	608	2.5	1		75		2.0853E-09

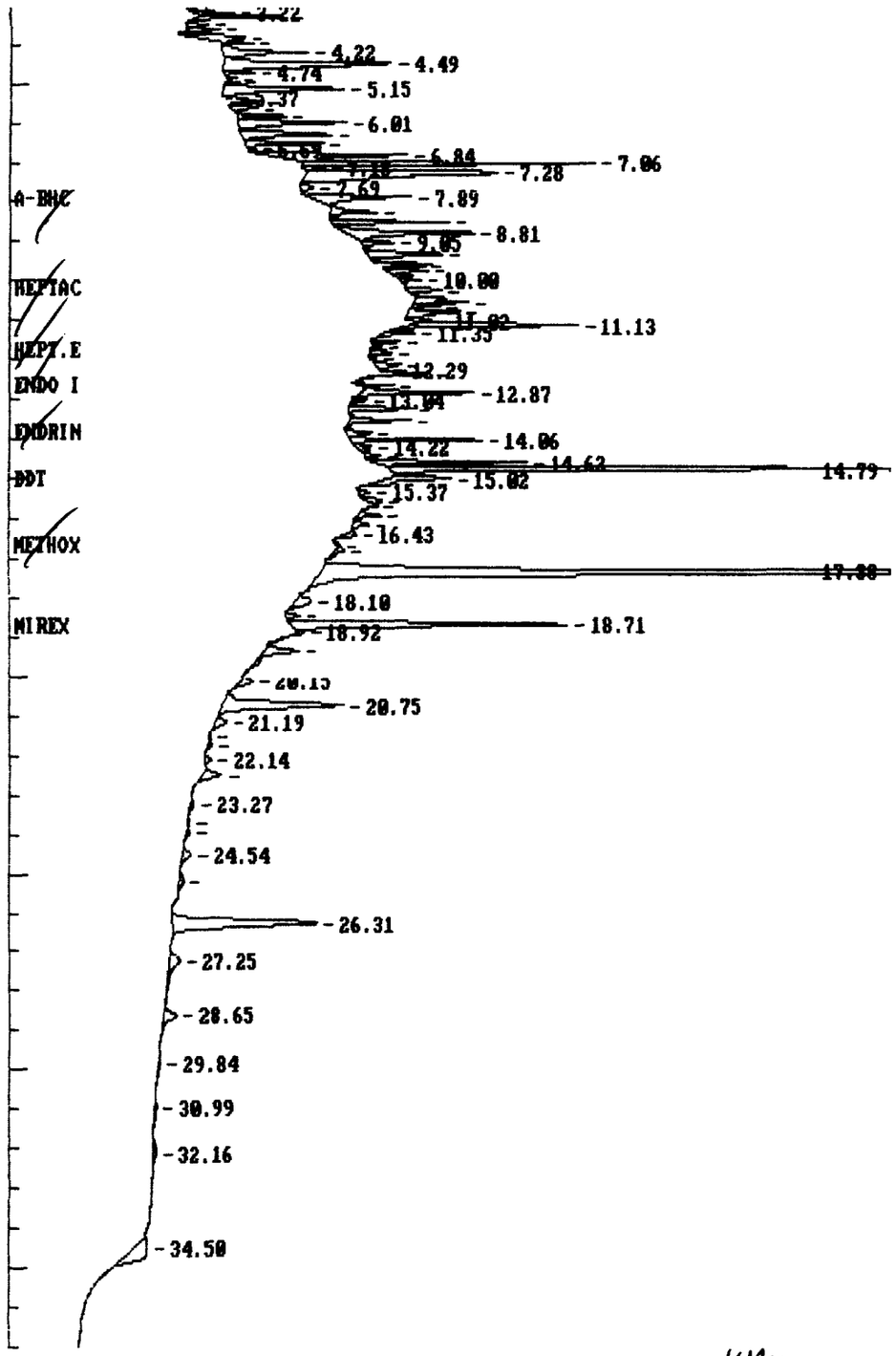
38	10.55	0.0002	[illegible]	[illegible]	[illegible]	5.7	1		5		2.0853E-09
39	10.67	0.0000	0.0139%	22045	7156	3.1	1		75		2.0853E-09
40	10.80	0.0002	0.0517%	81888	12665	6.5	1		75		2.0853E-09
41	~~11.02 ALDRIN~~	~~0.0047~~	~~1.4334%~~	~~10363~~	~~3756~~	~~2.8~~	~~1~~	~~75~~	~~75~~	~~.8794~~	~~4.5682E-07~~
42	11.13	0.0004	0.1323%	209474	41652	5.0	1		75		2.0853E-09
43	11.35	0.0001	0.0226%	35830	8211	4.4	1		75		2.0853E-09
44	11.57	0.0001	0.0168%	26661	6894	3.9	1		75		2.0853E-09
45	~~11.68 HEPT.EPOXIDE~~	~~0.0030~~	~~0.9062%~~	~~7082~~	~~2348~~	~~3.0~~	~~1~~	~~75~~	~~75~~	~~.7255~~	~~4.2258E-07~~
46	11.87	0.0001	0.0220%	34842	5380	6.5	1		75		2.0853E-09
47	11.98	0.0000	0.0025%	3983	1298	3.1	1		75		2.0853E-09
48	12.13	0.0001	0.0210%	33281	6118	5.4	1		75		2.0853E-09
49	12.29	0.0000	0.0006%	882	0	0.0	1		75		2.0853E-09
50	12.39	0.0001	0.0208%	32913	9865	3.3	1		75		2.0853E-09
~~51~~	~~12.67 ENDO I~~	~~0.0129~~	~~3.8991%~~	~~27257~~	~~8056~~	~~3.4~~	~~1~~	~~75~~	~~75~~	~~.4000~~	~~4.7240E-07~~
52	12.87	0.0003	0.0917%	145154	28577	5.1	1		75		2.0853E-09
53	13.04	0.0000	0.0118%	18695	3836	4.9	1		75		2.0853E-09
~~54~~	~~13.25 DIELDRIN~~	~~0.0285~~	~~8.6160%~~	~~68743~~	~~15751~~	~~4.4~~	~~1~~	~~75~~	~~75~~	~~.1415~~	~~4.1392E-07~~
55	13.44	0.0000	0.0025%	3958	1172	3.4	1		75		2.0853E-09
56	13.55	0.0002	0.0459%	72691	15274	4.8	1		75		2.0853E-09
~~57~~	~~13.87 ENDRIN~~	~~0.0180~~	~~5.4631%~~	~~33302~~	~~5976~~	~~5.6~~	~~1~~	~~75~~	~~75~~	~~.6311~~	~~5.4176E-07~~
~~58~~	~~14.06 ENDO II~~	~~0.0584~~	~~17.6970%~~	~~126584~~	~~31925~~	~~4.0~~	~~1~~	~~75~~	~~75~~	~~.5065~~	~~4.6170E-07~~
59	14.22	0.0000	0.0138%	21816	3272	6.7	1		75		2.0853E-09
60	14.44	0.0000	0.0110%	17346	3953	4.4	1		75		2.0853E-09
61	14.62	0.0003	0.0982%	155524	36724	4.2	1		75		2.0853E-09
62	14.79	0.0013	0.3936%	623310	129901	4.8	1		75		2.0853E-09
63	15.02 DDT	0.0702	21.2573%	121118	16257	7.5	1	75	75	.1563	5.7961E-07
64	15.37	0.0000	0.0102%	16199	2705	6.0	1		75		2.0853E-09
65	15.58	0.0000	0.0130%	20607	3346	6.2	1		75		2.0853E-09
66	15.71	0.0000	0.0039%	6144	1598	3.8	1		75		2.0853E-09
67	15.94	0.0001	0.0202%	31951	5834	5.5	1		75		2.0853E-09
68	16.18	0.0001	0.0162%	25681	3727	6.9	1		75		2.0853E-09
69	16.43	0.0001	0.0160%	25312	3256	7.8	1		75		2.0853E-09
~~70~~	~~16.68 METHOXYCHLOR~~	~~0.0031~~	~~0.9268%~~	~~2806~~	~~641~~	~~4.4~~	~~1~~	~~75~~	~~75~~	~~.2677~~	~~1.0907E-06~~
71	16.83	0.0000	0.0150%	23716	2472	9.6	1		75		2.0853E-09
72	17.38	0.0038	1.1505%	1822027	221170	8.2	1		75		2.0853E-09
73	18.10	0.0001	0.0384%	60766	4020	15.1	1		75		2.0853E-09
74	18.50	0.0000	0.0107%	16875	3131	5.4	1		75		2.0853E-09
75	18.71 MIREX	1.0000	0.0000%	467855	67758	6.9	1	75	75	0	2.1374E-06
76	18.92	0.0000	0.0124%	19608	2375	8.3	1		75		2.0853E-09
77	19.38	0.0002	0.0663%	104989	9248	11.4	1		75		2.0853E-09
78	20.15	0.0001	0.0236%	37347	3587	10.4	1		75		2.0853E-09
79	20.75	0.0006	0.1968%	311633	29525	10.6	1		75		2.0853E-09
80	21.19	0.0001	0.0219%	34750	2738	12.7	1		75		2.0853E-09
81	21.55	0.0000	0.0009%	1463	258	5.7	1		75		2.0853E-09
82	21.75	0.0000	0.0050%	7976	912	8.7	1		75		2.0853E-09
83	22.14	0.0000	0.0071%	11302	1483	7.6	1		75		2.0853E-09
84	22.52	0.0001	0.0330%	52225	5064	10.3	1		75		2.0853E-09
85	23.27	0.0000	0.0061%	9734	765	12.7	1		75		2.0853E-09
86	23.72	0.0000	0.0018%	2790	320	8.7	1		75		2.0853E-09
87	23.98	0.0000	0.0046%	7298	642	11.4	1		75		2.0853E-09
88	24.54	0.0001	0.0177%	27961	2175	12.9	1		75		2.0853E-09
89	25.19	0.0000	0.0110%	17379	1038	16.8	1		75		2.0853E-09
90	26.31	0.0009	0.2840%	449793	35506	12.7	1		75		2.0853E-09
91	27.25	0.0001	0.0314%	49656	2248	22.1	1		75		2.0853E-09
92	28.65	0.0001	0.0296%	46825	2918	16.0	1		75		2.0853E-09
93	29.84	0.0000	0.0067%	10534	452	23.3	1		75		2.0853E-09
94	30.99	0.0000	0.0085%	13510	450	30.0	1		75		2.0853E-09
95	32.16	0.0000	0.0099%	15743	643	24.5	1		75		2.0853E-09
96	34.50	0.0003	0.0956%	151480	3272	46.3	1		75		2.0853E-09

TOTAL AMOUNT = 0.3302

LM
6-26-93

SECONDARY COLUMN

Areas, times, and heights stored in: J:2HOD52.ATB
Data File = J:2HOD52.PTS Printed on 06-26-1993 at 13:55:23
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KMW
6-26-93

SECONDARY COLUMN

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****** INTERNAL STANDARD TABLE ******
******************** 06-26-1993 13:47:06 Version 4.1 **********************
* Sample Name: 93ZE33D39 SULFUR CLEAN-UP          Data File: J:2HOD52      *
* Date: 06-24-1993 18:09:25 Method: J:2PESTBK  06-25-1993 11:16:13  #  603*
* Interface: 0   Cycle#:  52   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN             *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF     *
* Misc. Information: H.O.D LANDFILL                          H.O.D LANDFILL *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:          0                    One sample per    1.002 sec.
Amount injected:          1.00             Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:            1.025000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.22		0.0001	0.0168%	31268	9252	3.4	1		75		2.0853E-09
2	3.32		0.0002	0.0471%	87661	22279	3.9	1		75		2.0853E-09
3	3.52		0.0000	0.0107%	19881	5065	3.9	1		75		2.0853E-09
4	3.63		0.0001	0.0174%	32318	8772	3.7	1		75		2.0853E-09
5	3.84		0.0002	0.0424%	78796	9942	7.9	1		75		2.0853E-09
6	3.99		0.0000	0.0128%	23863	7060	3.4	1		75		2.0853E-09
7	4.22		0.0003	0.0692%	128740	21007	6.1	1		75		2.0853E-09
8	4.49		0.0008	0.1983%	368829	41493	8.9	1		75		2.0853E-09
9	4.74		0.0001	0.0137%	25574	7454	3.4	1		75		2.0853E-09
10	4.89		0.0000	0.0029%	5468	2186	2.5	1		75		2.0853E-09
11	4.99		0.0000	0.0053%	9849	3243	3.0	1		75		2.0853E-09
12	5.15		0.0004	0.1066%	198256	29707	6.7	1		75		2.0853E-09
13	5.37		0.0000	0.0004%	710	0	0.0	1		75		2.0853E-09
14	5.49		0.0000	0.0112%	20801	5695	3.7	1		75		2.0853E-09
15	5.66		0.0001	0.0202%	37657	6101	6.2	1		75		2.0853E-09
16	5.86		0.0001	0.0251%	46749	11883	3.9	1		75		2.0853E-09
17	6.01		0.0004	0.0966%	179693	26657	6.7	1		75		2.0853E-09
18	6.32		0.0003	0.0753%	140011	22400	6.3	1		75		2.0853E-09
19	6.56		0.0002	0.0445%	82808	19076	4.3	1		75		2.0853E-09
20	6.69		0.0000	0.0031%	5733	1718	3.3	1		75		2.0853E-09
21	6.84		0.0004	0.1008%	187612	33788	5.6	1		75		2.0853E-09
22	7.06	TCMX	0.0794	20.4561%	239113	72186	3.3	1	75	75	0	3.3189E-07
23	7.18		0.0000	0.0059%	10973	4713	2.3	1		75		2.0853E-09
24	7.28		0.0010	0.2639%	490987	46995	10.4	1		75		2.0853E-09
25	7.69		0.0000	0.0125%	23286	3103	7.5	1		75		2.0853E-09
26	7.89		0.0003	0.0854%	158938	24903	6.4	1		75		2.0853E-09
27	8.29		0.0002	0.0392%	72899	11695	6.2	1		75		2.0853E-09
28	8.53		0.0002	0.0608%	113041	28956	3.9	1		75		2.0853E-09
29	8.81		0.0004	0.1048%	194934	30834	6.3	1		75		2.0853E-09
~~30~~	~~9.05~~	~~D-BHC~~	~~0.0124~~	~~3.1967%~~	~~29880~~	~~7835~~	~~3.8~~	~~1~~	~~75~~	~~75~~	~~0~~	~~4.1365E-07~~
31	9.35		0.0002	0.0592%	110228	18229	6.0	1		75		2.0853E-09
32	9.55		0.0000	0.0076%	14227	5442	2.6	1		75		2.0853E-09
33	9.63		0.0000	0.0103%	19081	7253	2.6	1		75		2.0853E-09
34	9.76		0.0001	0.0307%	57068	9636	5.9	1		75		2.0853E-09
35	10.00		0.0000	0.0094%	17498	5034	3.5	1		75		2.0853E-09
36	10.25		0.0001	0.0164%	30590	7793	3.9	1		75		2.0853E-09
37	10.38		0.0000	0.0008%	1546	608	2.5	1		75		2.0853E-09

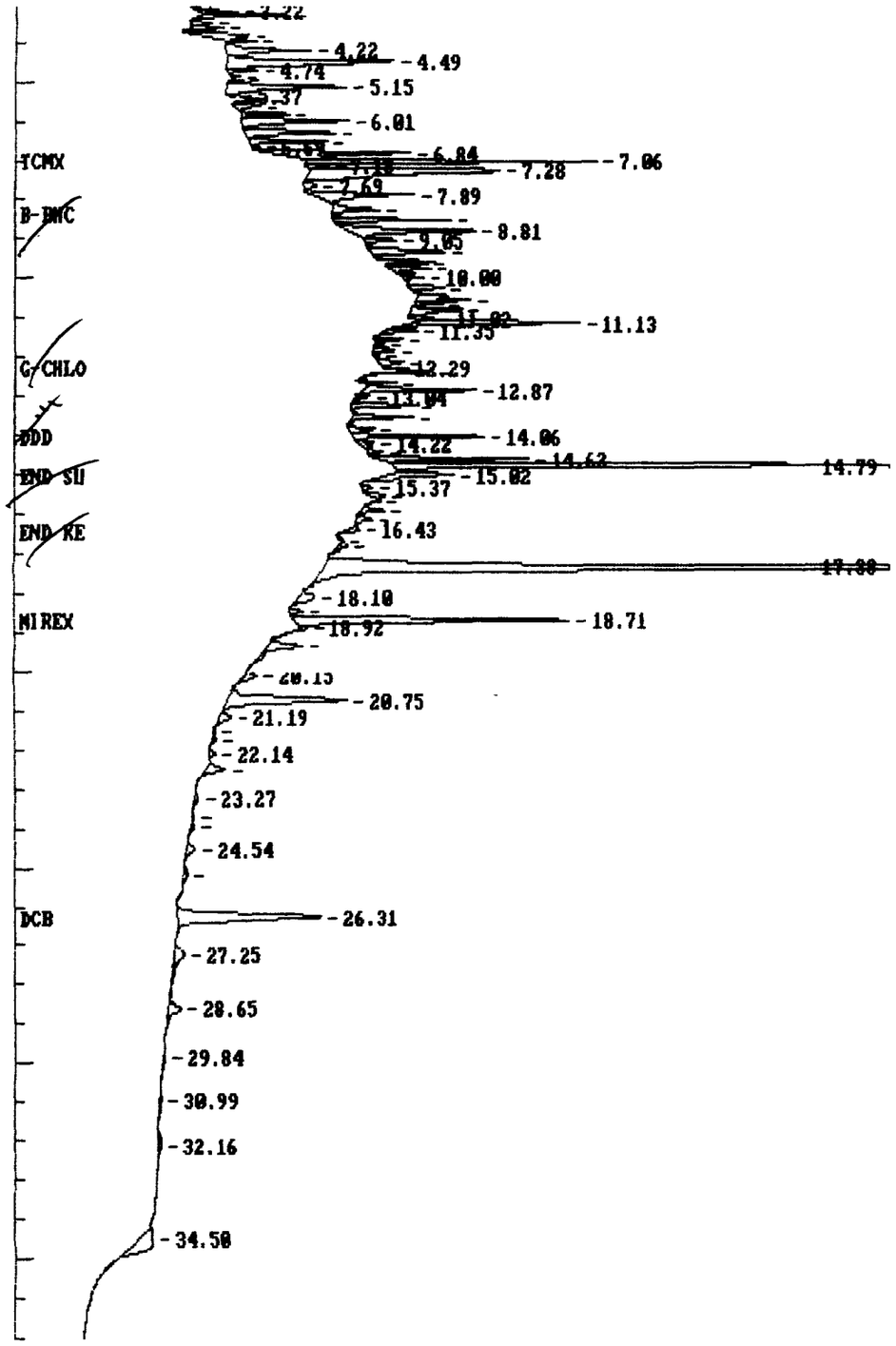
38	10.55	0.0002	0.0416%	[illegible]	[illegible]	5.9	1		75		2.0853E-09
39	10.67	0.0000	0.0118%	22045	7156	3.1	1		75		2.0853E-09
40	10.80	0.0002	0.0440%	81888	12665	6.5	1		75		2.0853E-09
41	11.02	0.0000	0.0056%	10363	3756	2.8	1		75		2.0853E-09
42	11.13	0.0004	0.1126%	209474	41652	5.0	1		75		2.0853E-09
43	11.35	0.0001	0.0193%	35830	8211	4.4	1		75		2.0853E-09
44	11.57	0.0001	0.0143%	26661	6894	3.9	1		75		2.0853E-09
45	11.68	0.0000	0.0038%	7082	2348	3.0	1		75		2.0853E-09
46	11.87	0.0001	0.0187%	34842	5380	6.5	1		75		2.0853E-09
47	11.98	0.0000	0.0021%	3983	1298	3.1	1		75		2.0853E-09
48	12.13	0.0001	0.0179%	33281	6118	5.4	1		75		2.0853E-09
~~49~~	~~12.29 G-CHLOR~~	~~0.0003~~	~~0.0795%~~	~~882~~	~~0~~	~~0.0~~	~~1~~	~~75~~	~~75~~	~~.1395~~	~~3.4999E-07~~
50	12.39	0.0001	0.0177%	32913	9865	3.3	1		75		2.0853E-09
~~51~~	~~12.67 A-CHLOR~~	~~0.0096~~	~~2.4869%~~	~~27257~~	~~8056~~	~~3.4~~	~~1~~	~~75~~	~~75~~	~~.1357~~	~~3.5396E-07~~
52	12.87	0.0003	0.0780%	145154	28577	5.1	1		75		2.0853E-09
~~53~~	~~13.04 DDE~~	~~0.0079~~	~~2.0272%~~	~~18695~~	~~3836~~	~~4.9~~	~~1~~	~~75~~	~~75~~	~~.1394~~	~~4.2067E-07~~
54	13.25	0.0001	0.0370%	68743	15751	4.4	1		75		2.0853E-09
55	13.44	0.0000	0.0021%	3958	1172	3.4	1		75		2.0853E-09
56	13.55	0.0002	0.0391%	72691	15274	4.8	1		75		2.0853E-09
57	13.87	0.0001	0.0179%	33302	5976	5.6	1		75		2.0853E-09
58	14.06 DDD	0.0650	16.7653%	126584	31925	4.0	1	75	75	.1487	5.1381E-07
59	14.22	0.0000	0.0117%	21816	3272	6.7	1		75		2.0853E-09
~~60~~	~~14.44 END ALD~~	~~0.0088~~	~~2.2744%~~	~~17346~~	~~3953~~	~~4.4~~	~~1~~	~~75~~	~~75~~	~~.1518~~	~~5.0868E-07~~
61	14.62	0.0003	0.0836%	155524	36724	4.2	1		75		2.0853E-09
62	14.79	0.0013	0.3350%	623310	129901	4.8	1		75		2.0853E-09
~~63~~	~~15.02 END SULFATE~~	~~0.0704~~	~~18.1439%~~	~~121118~~	~~16257~~	~~7.5~~	~~1~~	~~75~~	~~75~~	~~0~~	~~5.8114E-07~~
64	15.37	0.0000	0.0087%	16199	2705	6.0	1		75		2.0853E-09
65	15.58	0.0000	0.0111%	20607	3346	6.2	1		75		2.0853E-09
66	15.71	0.0000	0.0033%	6144	1598	3.8	1		75		2.0853E-09
67	15.94	0.0001	0.0172%	31951	5834	5.5	1		75		2.0853E-09
68	16.18	0.0001	0.0138%	25681	3727	6.9	1		75		2.0853E-09
~~69~~	~~16.43 END KETONE~~	~~0.0102~~	~~2.6420%~~	~~25312~~	~~3256~~	~~7.8~~	~~1~~	~~75~~	~~75~~	~~-.2393~~	~~4.0493E-07~~
70	16.68	0.0000	0.0015%	2806	641	4.4	1		75		2.0853E-09
71	16.83	0.0000	0.0127%	23716	2472	9.6	1		75		2.0853E-09
72	17.38	0.0038	0.9794%	1822027	221170	8.2	1		75		2.0853E-09
73	18.10	0.0001	0.0327%	60766	4020	15.1	1		75		2.0853E-09
74	18.50	0.0000	0.0091%	16875	3131	5.4	1		75		2.0853E-09
75	18.71 MIREX	1.0000	0.0000%	467855	67758	6.9	1	75	75	0	2.1374E-06
76	18.92	0.0000	0.0105%	19608	2375	8.3	1		75		2.0853E-09
77	19.38	0.0002	0.0564%	104989	9248	11.4	1		75		2.0853E-09
78	20.15	0.0001	0.0201%	37347	3587	10.4	1		75		2.0853E-09
79	20.75	0.0006	0.1675%	311633	29525	10.6	1		75		2.0853E-09
80	21.19	0.0001	0.0187%	34750	2738	12.7	1		75		2.0853E-09
81	21.55	0.0000	0.0008%	1463	258	5.7	1		75		2.0853E-09
82	21.75	0.0000	0.0043%	7976	912	8.7	1		75		2.0853E-09
83	22.14	0.0000	0.0061%	11302	1483	7.6	1		75		2.0853E-09
84	22.52	0.0001	0.0281%	52225	5064	10.3	1		75		2.0853E-09
85	23.27	0.0000	0.0052%	9734	765	12.7	1		75		2.0853E-09
86	23.72	0.0000	0.0015%	2790	320	8.7	1		75		2.0853E-09
87	23.98	0.0000	0.0039%	7298	642	11.4	1		75		2.0853E-09
88	24.54	0.0001	0.0150%	27961	2175	12.9	1		75		2.0853E-09
89	25.19	0.0000	0.0093%	17379	1038	16.8	1		75		2.0853E-09
90	26.31 DCB	0.1078	27.7939%	449793	35506	12.7	1	75	75	0	2.3972E-07
91	27.25	0.0001	0.0267%	49656	2248	22.1	1		75		2.0853E-09
92	28.65	0.0001	0.0252%	46825	2918	16.0	1		75		2.0853E-09
93	29.84	0.0000	0.0057%	10534	452	23.3	1		75		2.0853E-09
94	30.99	0.0000	0.0073%	13510	450	30.0	1		75		2.0853E-09
95	32.16	0.0000	0.0085%	15743	643	24.5	1		75		2.0853E-09
96	34.50	0.0003	0.0814%	151480	3272	46.3	1		75		2.0853E-09

TOTAL AMOUNT = 0.3879

KM
6-26-93

SECONDARY COLUMN

Areas, times, and heights stored in: J:2HOD52.ATB
Data File = J:2HOD52.PTS Printed on 06-26-1993 at 13:49:04
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

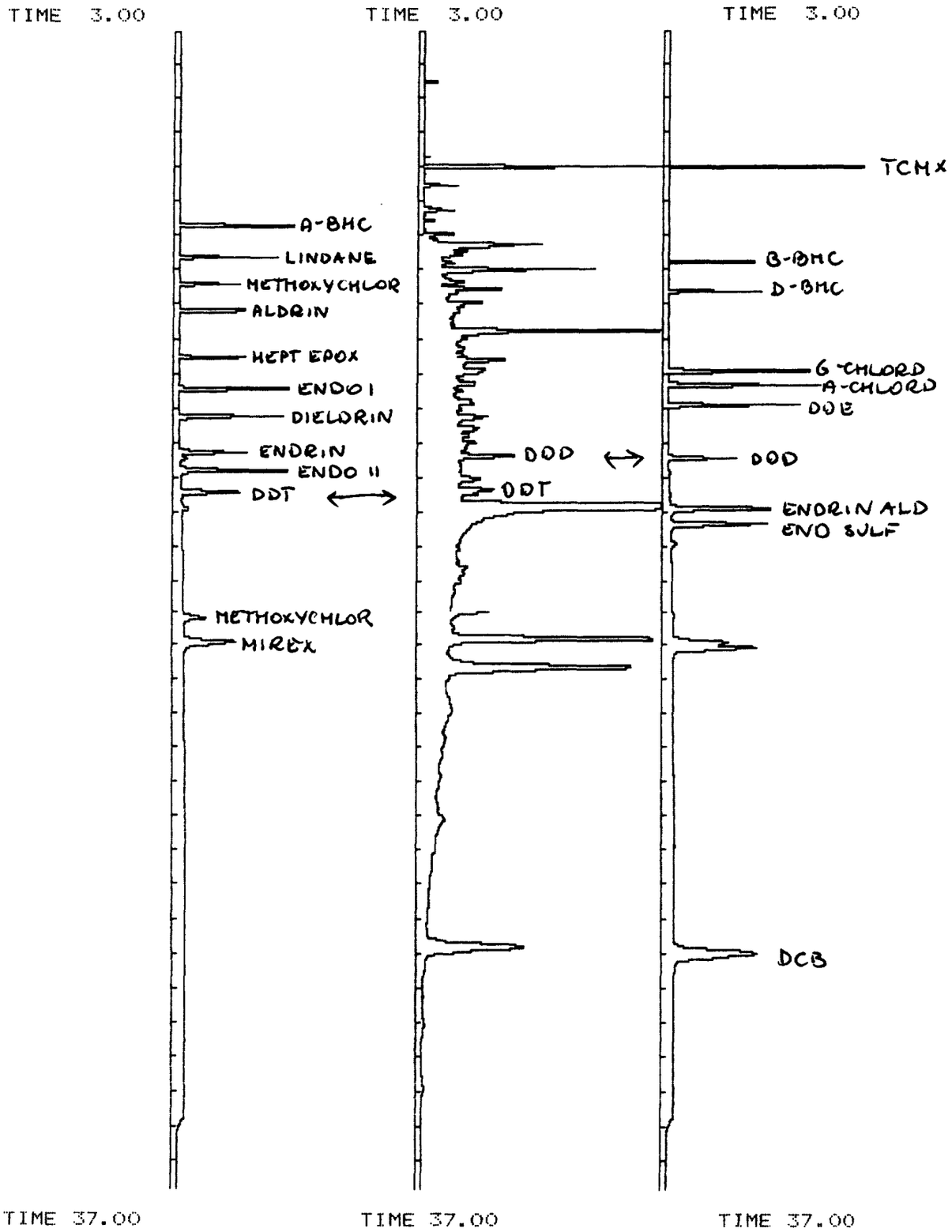
COMPARISON CHROMATOGRAMS

PRIMARY COLUMN

J:1HOD6 PESTA L3
SCALE 100
OFFSET 25

J:1HOD50 93ZE33539
SCALE 50
OFFSET 25

J:1HOD11 PESTB L3
SCALE 100
OFFSET 25



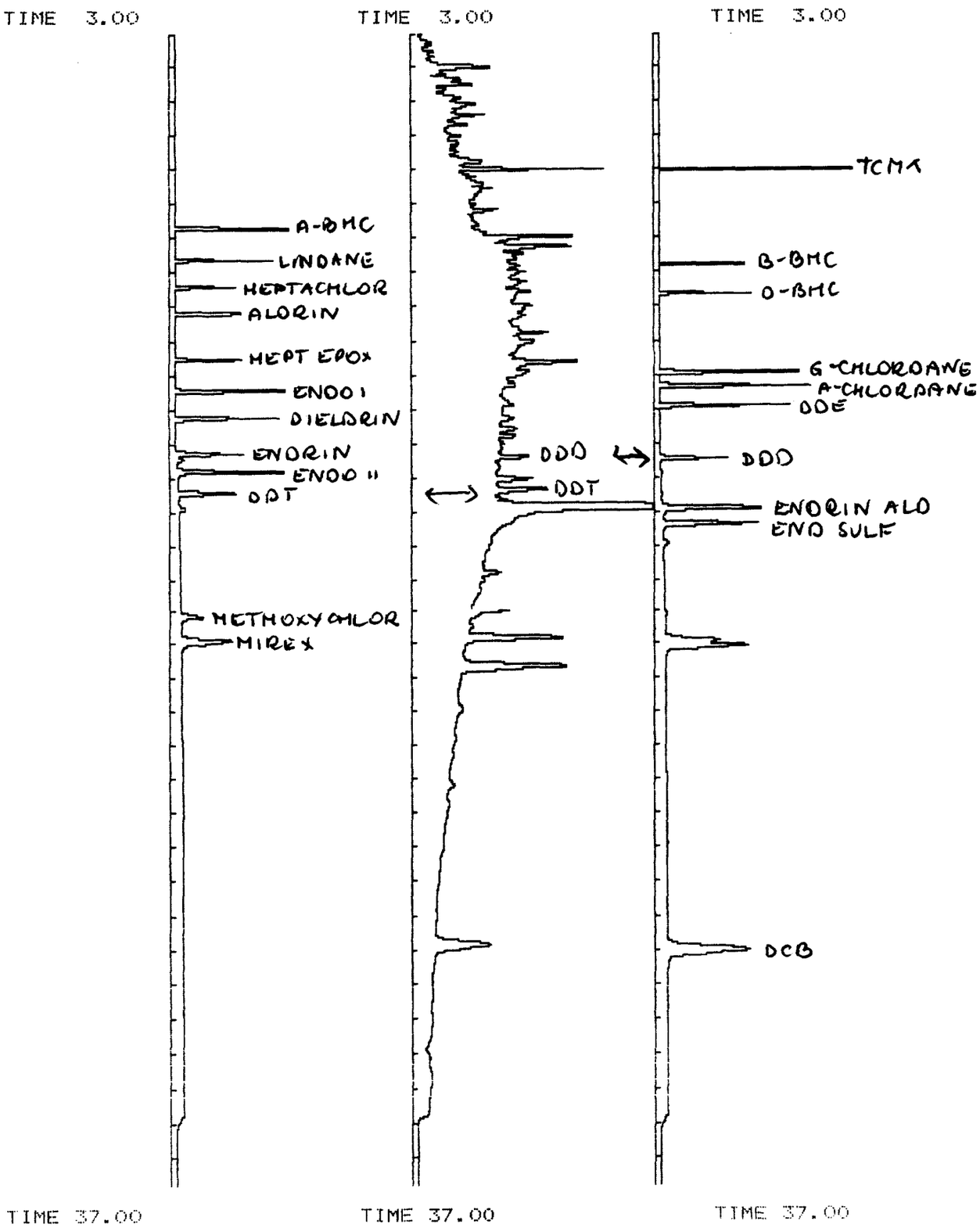
COMPARISON CHROMATOGRAMS

PRIMARY COLUMN

J:1HOD6 PEST A L3
SCALE 100
OFFSET 25

J:1HOD51 932E33D39
SCALE 75
OFFSET 25

J:1HOD11 PEST B L3
SCALE 100
OFFSET 25



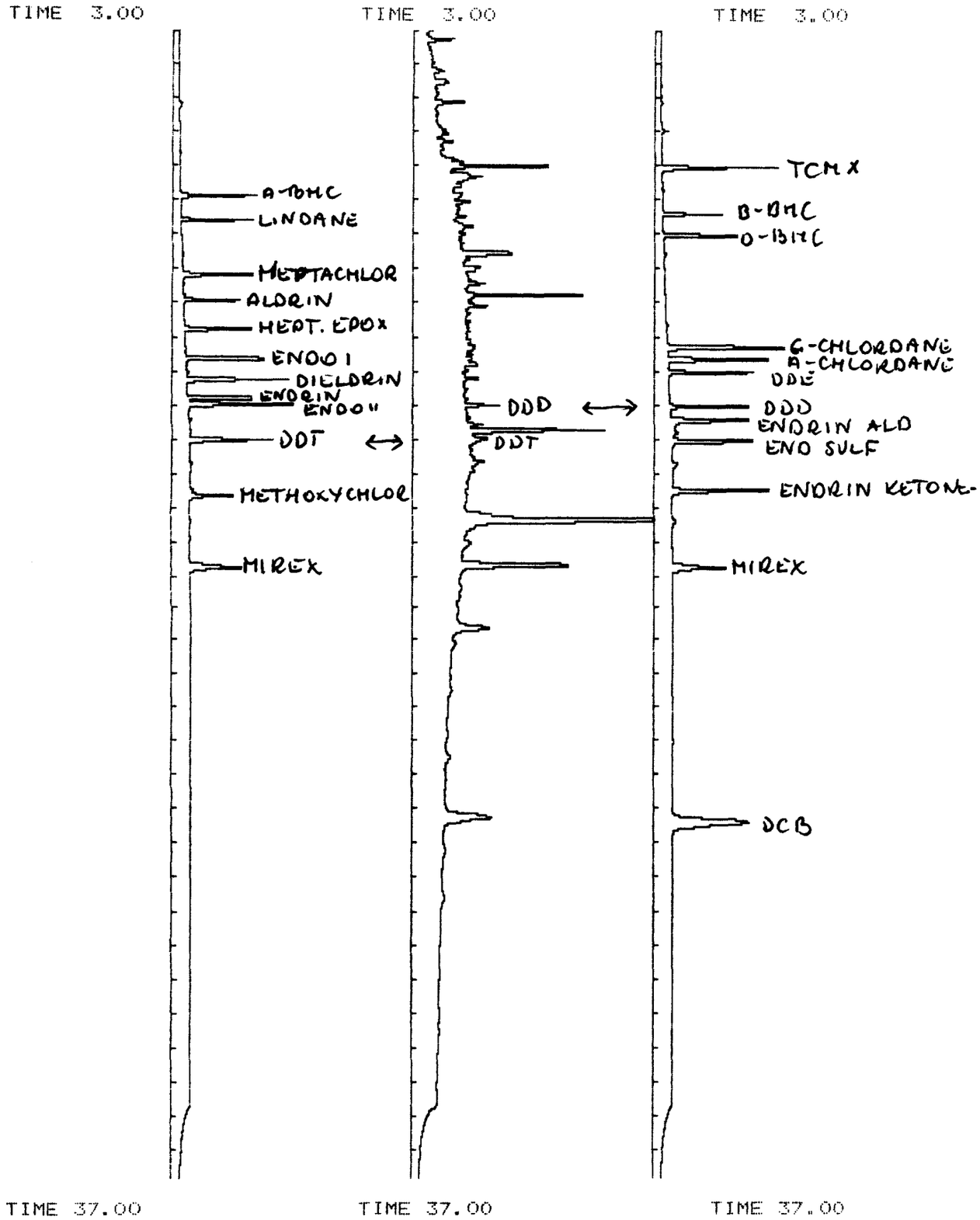
COMPARISON CHROMATOGRAMS

SECONDARY COLUM

J:2HOD7 PESTA LJ
SCALE 300
OFFSET 25

J:2HOD51 93ZE33S39
SCALE 200
OFFSET 25

J:2HOD12 PEST B LJ
SCALE 300
OFFSET 25



COMPARISON CHROMATOGRAMS

SECONDARY COLUMN

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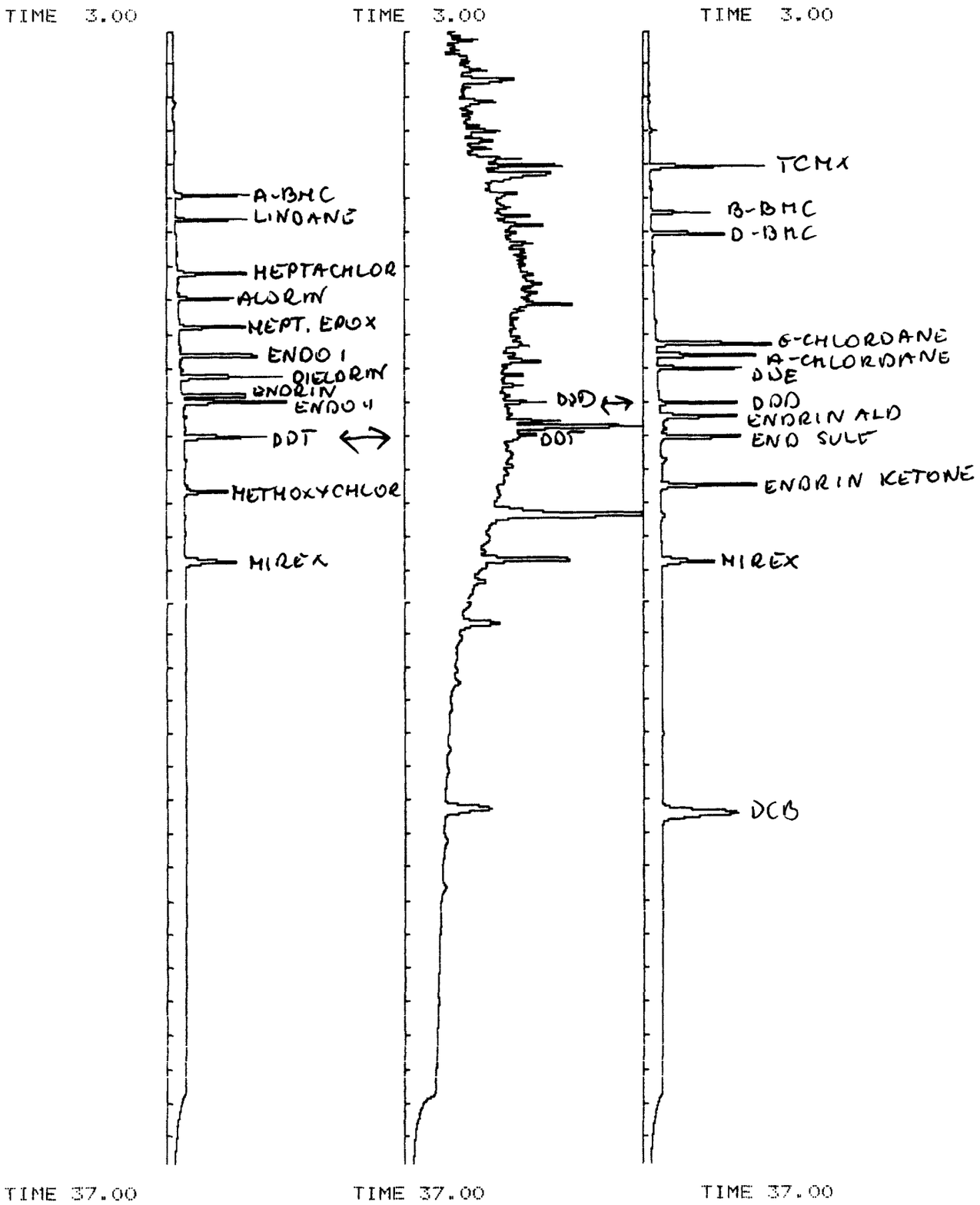
SCALE 300
OFFSET 25

J:2HOD52 932ESSD39
SCALE 200
OFFSET 25

J:2HOD12 PESTBL3
SCALE 300
OFFSET 25



SECONDARY COLUM

****** INTERNAL STANDARD TABLE ******

********** 05-28-1993 13:54:17 Version 4.1 **********

* Sample Name: PEST A L3 #1 Data File: J:2HOD28 *
* Date: 05-26-1993 11:21:05 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*
* Interface: 0 Cycle#: 28 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

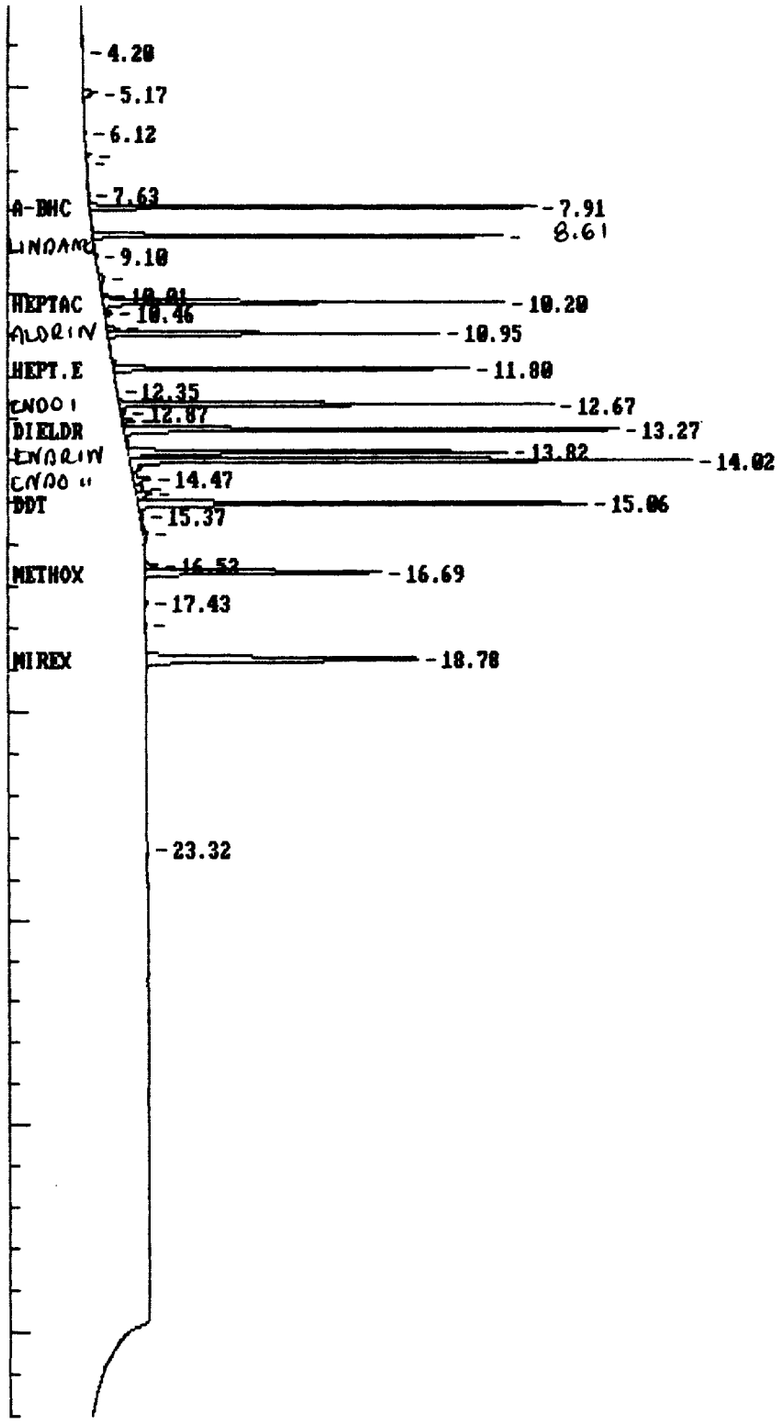
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.20		0.0000	0.0005%	4777	213	22.4	1		34		2.0348E-10
2	5.17		0.0000	0.0020%	18954	3296	5.8	1		34		2.0348E-10
3	6.12		0.0000	0.0003%	2585	274	9.4	1		34		2.0348E-10
4	6.66		0.0000	0.0006%	6125	1501	4.1	1		34		2.0348E-10
5	6.86		0.0000	0.0001%	526	159	3.3	1		34		2.0348E-10
6	7.63		0.0000	0.0002%	1892	200	9.4	2		34		2.0348E-10
7	7.91	A-BHC	0.0119	6.0399%	362606	104763	3.5	2	34	34	-.1219	3.2708E-08
8	8.61	LINDANE	0.0121	6.1458%	329334	96259	3.4	1	34	34	0	3.6644E-08
9	9.10		0.0000	0.0002%	2166	432	5.0	1		34		2.0348E-10
10	9.60		0.0000	0.0014%	13390	1568	8.5	2		34		2.0348E-10
11	10.01		0.0000	0.0005%	4747	1176	4.0	2		34		2.0348E-10
12	10.20	HEPTACHLOR	0.0131	6.6850%	388928	94110	4.1	3	34	34	0	3.3751E-08
13	10.46		0.0000	0.0006%	6112	1296	4.7	4		34		2.0348E-10
14	10.83		0.0000	0.0010%	10102	2932	3.4	2		34		2.0348E-10
15	10.95	ALDRIN	0.0121	6.1697%	301345	78053	3.9	2	34	34	0	4.0202E-08
16	11.80	HEPT.EPOXIDE	0.0125	6.3841%	338869	83590	4.1	2	34	34	0	3.6993E-08
17	12.35		0.0000	0.0002%	2036	207	9.8	2		34		2.0348E-10
18	12.67	ENDO I	0.0187	9.5281%	447744	102033	4.4	3	34	34	0	4.1786E-08
19	12.87		0.0000	0.0005%	4800	958	5.0	4		34		2.0348E-10
20	13.07		0.0000	0.0014%	13514	2793	4.8	2		34		2.0348E-10
21	13.27	DIELDRIN	0.0184	9.3710%	503207	116055	4.3	2	34	34	0	3.6567E-08
22	13.82	ENDRIN	0.0191	9.7221%	398882	88951	4.5	2	34	34	0	4.7860E-08
23	14.02	ENDO II	0.0256	13.0574%	625183	132050	4.7	2	34	34	-.0301	4.1011E-08
24	14.47		0.0000	0.0033%	31391	4033	7.8	2		34		2.0348E-10
25	14.69		0.0000	0.0018%	17714	1902	9.3	2		34		2.0348E-10
26	14.82		0.0000	0.0028%	27448	3516	7.8	2		34		2.0348E-10
27	15.06	DDT	0.0254	12.9265%	490692	105376	4.7	3	34	34	0	5.1728E-08
28	15.37		0.0000	0.0002%	1996	325	6.1	4		34		2.0348E-10
29	15.76		0.0000	0.0007%	7226	897	8.1	1		34		2.0348E-10
30	16.53		0.0000	0.0017%	16805	3076	5.5	2		34		2.0348E-10
31	16.69	METHOXYCHLOR	0.0274	13.9491%	318683	55745	5.7	2	34	34	0	8.5949E-08
32	17.43		0.0000	0.0005%	5000	711	7.0	1		34		2.0348E-10
33	17.96		0.0000	0.0003%	2879	424	6.8	1		34		2.0348E-10
34	18.78	MIREX	1.0000	0.0000%	491438	63929	7.7	1	34	34	0	2.0348E-06
35	23.32		0.0000	0.0002%	2375	230	10.3	1		34		2.0348E-10

KM 5-28-93

TOTAL AMOUNT = 0.1964

SECONDARY COLUM

Data File = J:2HOD28.PTS Printed on 05-28-1993 at 13:55:05
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-28-93

SECONDARY COLUM

***** INTERNAL STANDARD TABLE *****

********** 05-28-1993 13:56:02 Version 4.1 **********

* Sample Name: PEST A L3 #2 Data File: J:2HOD36 *

* Date: 05-26-1993 16:32:41 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*

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

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 1.00

Internal Standard Amount: 1

Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.00		0.0000	0.0003%	2363	143	16.5	1		33		2.4107E-10
2	5.17		0.0000	0.0010%	9658	1503	6.4	1		33		2.4107E-10
3	6.12		0.0000	0.0001%	924	219	4.2	1		33		2.4107E-10
4	6.66		0.0000	0.0004%	4077	868	4.7	2		33		2.4107E-10
5	7.04		0.0000	0.0003%	2517	195	12.9	2		33		2.4107E-10
6	7.63		0.0000	0.0002%	1659	190	8.8	2		33		2.4107E-10
7	7.91	A-BHC	0.0141	6.1949%	363328	108377	3.4	2	33	33	0	3.8749E-08
8	8.61	LINDANE	0.0143	6.2812%	328819	98325	3.3	1	33	33	.1779	4.3412E-08
9	9.08		0.0000	0.0004%	3669	568	6.5	2		33		2.4107E-10
10	9.66		0.0000	0.0047%	44293	2850	15.5	2		33		2.4107E-10
11	10.18	HEPTACHLOR	0.0148	6.5140%	370233	73758	5.0	3	33	33	0	3.9985E-08
12	10.46		0.0000	0.0020%	18552	2086	8.9	4		33		2.4107E-10
13	10.83		0.0000	0.0012%	11446	2457	4.7	2		33		2.4107E-10
14	10.95	ALDRIN	0.0137	6.0320%	287820	76485	3.8	2	33	33	0	4.7628E-08
15	11.60		0.0000	0.0004%	3707	658	5.6	2		33		2.4107E-10
16	11.80	HEPT.EPOXIDE	0.0127	5.6078%	290793	74644	3.9	2	33	33	.1779	4.3826E-08
17	12.65	ENDO I	0.0239	10.4948%	481787	100149	4.8	3	33	33	0	4.9504E-08
18	12.87		0.0000	0.0013%	12450	1806	6.9	4		33		2.4107E-10
19	13.05		0.0000	0.0027%	25046	2972	8.4	4		33		2.4107E-10
20	13.27	DIELDRIN	0.0218	9.5854%	502841	115019	4.4	2	33	33	0	4.3322E-08
21	13.82	ENDRIN	0.0235	10.3461%	414686	90721	4.6	2	33	33	.0570	5.6700E-08
22	14.02	ENDO II	0.0301	13.2512%	619821	129096	4.8	3	33	33	0	4.8586E-08
23	14.21		0.0000	0.0017%	15805	2407	6.6	4		33		2.4107E-10
24	14.47		0.0000	0.0077%	72559	5682	12.8	4		33		2.4107E-10
25	14.69		0.0000	0.0033%	31540	3243	9.7	2		33		2.4107E-10
26	14.82		0.0000	0.0037%	35347	4448	7.9	2		33		2.4107E-10
27	15.06	DDT	0.0279	12.2786%	455342	96980	4.7	2	33	33	.1779	6.1282E-08
28	15.74		0.0000	0.0010%	9345	965	9.7	1		33		2.4107E-10
29	16.53		0.0000	0.0027%	25744	2708	9.5	2		33		2.4107E-10
30	16.69	METHOXYCHLOR	0.0303	13.3512%	297984	50086	5.9	2	33	33	0	1.0182E-07
31	17.43		0.0000	0.0011%	10820	966	11.2	1		33		2.4107E-10
32	17.96		0.0000	0.0002%	1436	246	5.8	1		33		2.4107E-10
33	18.76	MIREX	1.0000	0.0000%	414820	55422	7.5	3	33	33	0	2.4107E-06
34	19.15		0.0000	0.0047%	44392	2141	20.7	4		33		2.4107E-10
35	21.34		0.0000	0.0023%	21585	638	33.8	1		33		2.4107E-10

36	23.[illegible]		0.0000	[illegible]	4034	292	13.8 [illegible]	[illegible]	2.4107E-10
37	27.70		0.0000	0.0119%	111862	1559	71.8 2	33	2.4107E-10
38	29.04		0.0000	0.0034%	32216	845	38.1 2	33	2.4107E-10
39	31.51		0.0000	0.0022%	20402	587	34.7 1	33	2.4107E-10
40	33.69		0.0000	0.0015%	14491	467	31.1 1	33	2.4107E-10

TOTAL AMOUNT = 0.2273

KM
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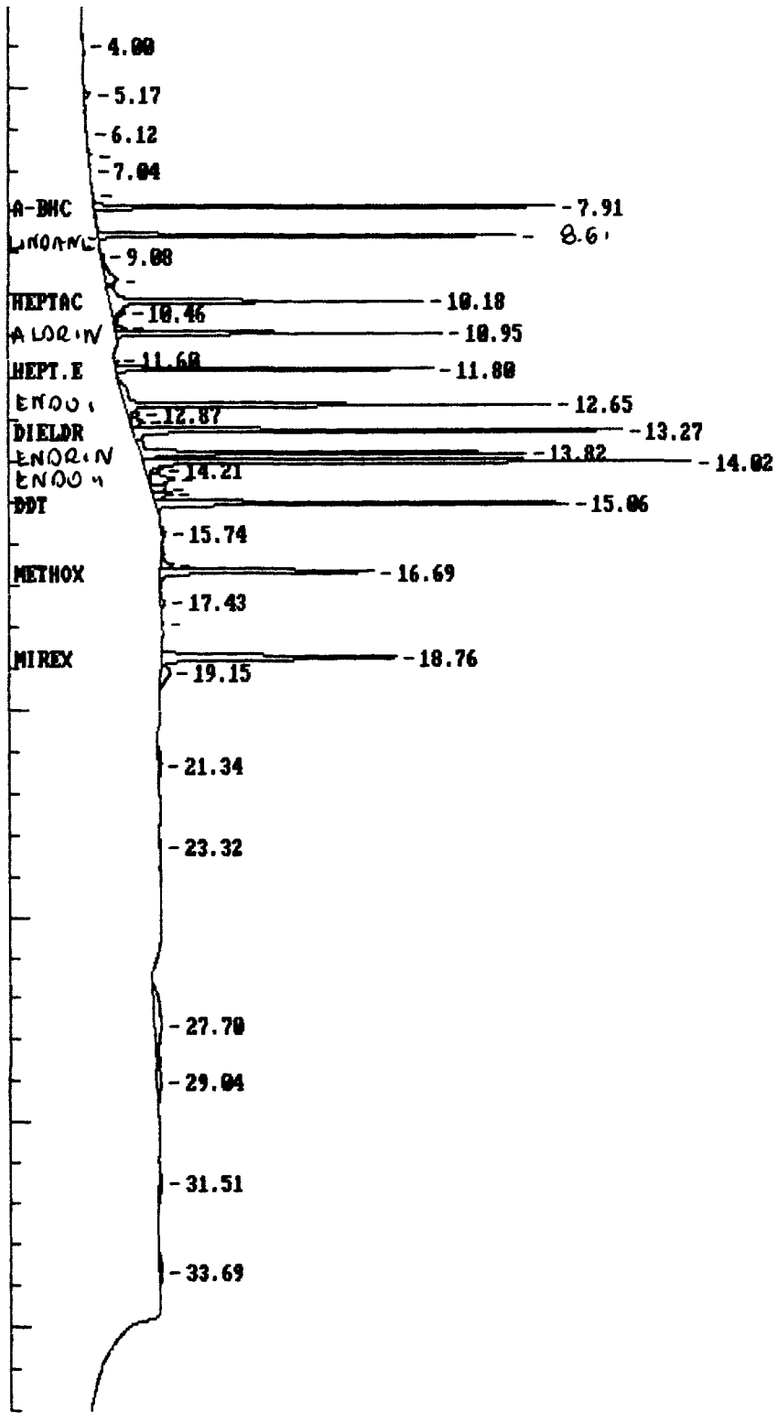
SECONDARY COLUM

Data File = J:2HOD36.PTS Printed on 05-28-1993 at 13:56:58
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-28-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-28-1993 14:06:12 Version 4.1 **********************
* Sample Name: PEST A L3 #3                    Data File: J:2HOD44        *
* Date: 05-26-1993 22:01:44 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  44   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500            *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~    *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL    *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.00		0.0000	0.0002%	1882	136	13.9	1		33		2.2028E-10
2	5.17		0.0000	0.0023%	21828	4439	4.9	1		33		2.2028E-10
3	6.11		0.0000	0.0001%	949	252	3.8	1		33		2.2028E-10
4	6.51		0.0000	0.0001%	1204	277	4.4	2		33		2.2028E-10
5	6.64		0.0000	0.0004%	3577	1025	3.5	2		33		2.2028E-10
6	6.86		0.0000	0.0001%	989	279	3.5	1		33		2.2028E-10
7	7.61		0.0000	0.0002%	1646	205	8.0	1		33		2.2028E-10
8	7.91	A-BHC	0.0135	6.5161%	380177	112910	3.4	1	33	33	.0559	3.5408E-08
9	8.61	LINDANE	0.0136	6.5740%	342357	96567	3.5	1	33	33	.2672	3.9668E-08
11	9.66		0.0000	0.0010%	9151	1257	7.3	1		33		2.2028E-10
12	10.18	HEPTACHLOR	0.0131	6.3327%	358058	92008	3.9	2	33	33	.1030	3.6537E-08
13	10.46		0.0000	0.0008%	7739	1610	4.8	2		33		2.2028E-10
14	10.82		0.0000	0.0009%	8023	2197	3.7	2		33		2.2028E-10
15	10.95	ALDRIN	0.0130	6.3095%	299495	78756	3.8	2	33	33	.1145	4.3521E-08
16	11.60		0.0000	0.0005%	4917	743	6.6	2		33		2.2028E-10
17	11.78	HEPT.EPOXIDE	0.0133	6.4449%	332464	82947	4.0	2	33	33	.1253	4.0047E-08
18	12.65	ENDO I	0.0203	9.8271%	448792	105556	4.3	3	33	33	.1350	4.5236E-08
19	12.85		0.0000	0.0004%	3761	897	4.2	4		33		2.2028E-10
20	13.05		0.0000	0.0007%	6873	1646	4.2	2		33		2.2028E-10
21	13.25	DIELDRIN	0.0198	9.5676%	499295	115531	4.3	1	33	33	0	3.9586E-08
22	13.82	ENDRIN	0.0206	9.9743%	397705	91247	4.4	2	33	33	.1462	5.1811E-08
23	14.01	ENDO II	0.0272	13.1811%	613336	133692	4.6	2	33	33	0	4.4397E-08
24	14.46		0.0000	0.0013%	12512	2177	5.7	2		33		2.2028E-10
25	14.81		0.0000	0.0029%	26882	2278	11.8	2		33		2.2028E-10
26	15.04	DDT	0.0246	11.9174%	439647	95630	4.6	3	33	33	.1560	5.5998E-08
27	15.34		0.0000	0.0003%	2449	434	5.6	4		33		2.2028E-10
28	15.73		0.0000	0.0038%	35704	3865	9.2	2		33		2.2028E-10
29	16.51		0.0000	0.0013%	12641	2211	5.7	2		33		2.2028E-10
30	16.68	METHOXYCHLOR	0.0275	13.3357%	296091	51517	5.7	2	33	33	0	9.3044E-08
31	17.41		0.0000	0.0006%	5809	802	7.2	1		33		2.2028E-10
32	17.93		0.0000	0.0003%	2787	433	6.4	1		33		2.2028E-10
33	18.75	MIREX	1.0000	0.0000%	453964	60900	7.5	1	33	33	0	2.2028E-06
34	23.29		0.0000	0.0002%	2006	211	9.5	1		33		2.2028E-10
35	24.63		0.0000	0.0012%	11137	921	12.1	1		33		2.2028E-10

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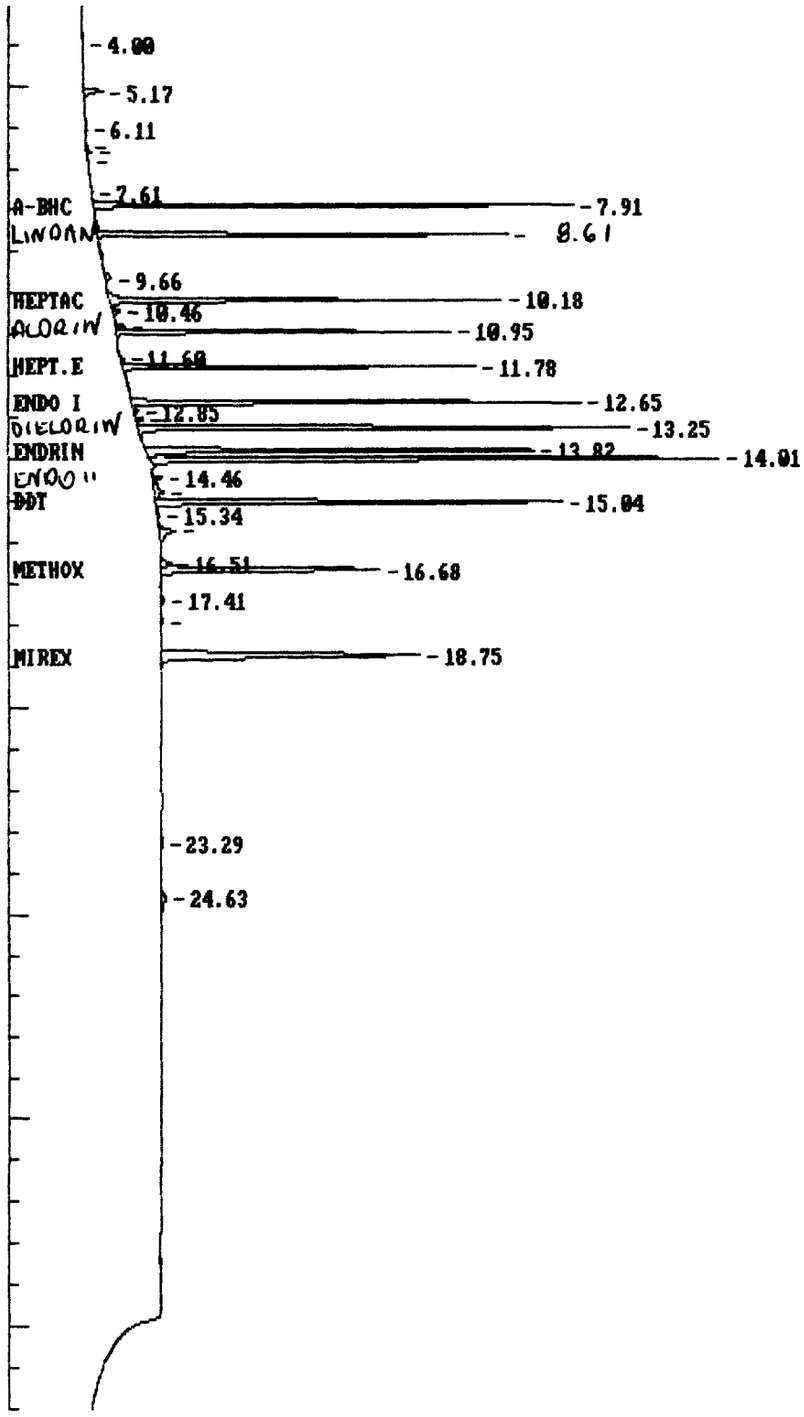
SECONDARY COLUM

Data File = J:2H0D44.PTS Printed on 05-28-1993 at 14:07:02
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-28-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 06-26-1993 13:39:52 Version 4.1 **********************
* Sample Name: PEST A L3 #4                    Data File: J:2HOD49        *
* Date: 06-24-1993 16:06:03 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  49   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500            *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D LANDFILL                   H.O.D LANDFILL      *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.50		0.0000	0.0002%	2396	312	7.7	1		38		1.6101E-10
2	5.15		0.0000	0.0006%	5845	1525	3.8	2		38		1.6101E-10
3	5.24		0.0000	0.0007%	7555	1870	4.0	2		38		1.6101E-10
4	5.92		0.0000	0.0002%	1601	243	6.6	1		38		1.6101E-10
5	6.62		0.0000	0.0007%	6726	1526	4.4	1		38		1.6101E-10
6	6.84		0.0000	0.0001%	1390	392	3.5	1		38		1.6101E-10
7	7.59		0.0000	0.0002%	1861	148	12.5	1		38		1.6101E-10
8	7.89	A-BHC	0.0106	6.4603%	382560	117052	3.3	2	38	38	0	2.7762E-08
9	8.11		0.0000	0.0003%	2744	707	3.9	2		38		1.6101E-10
10	8.59	LINDANE	0.0108	6.5515%	344559	101587	3.4	1	38	38	0	3.1260E-08
11	9.06		0.0000	0.0002%	2495	621	4.0	1		38		1.6101E-10
12	9.56		0.0000	0.0008%	7914	1658	4.8	1		38		1.6101E-10
13	9.98		0.0000	0.0004%	4472	1168	3.8	2		38		1.6101E-10
14	10.16	HEPTACHLOR	0.0111	6.7645%	375019	95507	3.9	2	38	38	.1032	2.9654E-08
15	10.45		0.0000	0.0005%	4984	1032	4.8	2		38		1.6101E-10
16	10.80		0.0000	0.0015%	15724	4420	3.6	2		38		1.6101E-10
17	10.93	ALDRIN	0.0109	6.6179%	308462	81824	3.8	3	38	38	.1147	3.5272E-08
19	11.58		0.0000	0.0003%	3388	646	5.2	2		38		1.6101E-10
20	11.77	HEPT.EPOXIDE	0.0112	6.8137%	343318	84878	4.0	2	38	38	-.0160	3.2628E-08
21	12.20		0.0000	0.0001%	803	222	3.6	1		38		1.6101E-10
22	12.64	ENDO I	0.0169	10.2949%	464015	108034	4.3	3	38	38	.1353	3.6475E-08
23	12.84		0.0000	0.0003%	3384	658	5.1	4		38		1.6101E-10
24	13.04		0.0000	0.0015%	14845	3410	4.4	2		38		1.6101E-10
25	13.24	DIELDRIN	0.0164	10.0009%	514451	120970	4.3	2	38	38	0	3.1959E-08
26	13.79	ENDRIN	0.0163	9.8884%	388635	88094	4.4	2	38	38	0	4.1830E-08
27	13.99	ENDO II	0.0224	13.6280%	628485	138011	4.6	3	38	38	0	3.5649E-08
28	14.17		0.0000	0.0010%	9784	1757	5.6	4		38		1.6101E-10
29	14.44		0.0000	0.0026%	26092	4092	6.4	2		38		1.6101E-10
30	14.66		0.0000	0.0014%	14747	1812	8.1	2		38		1.6101E-10
31	14.79		0.0000	0.0012%	12605	1604	7.9	2		38		1.6101E-10
32	15.01	DDT	0.0202	12.3093%	452187	96601	4.7	2	38	38	0	4.4753E-08
33	15.71		0.0000	0.0031%	31485	2436	12.9	1		38		1.6101E-10
34	16.48		0.0000	0.0017%	16982	3318	5.1	2		38		1.6101E-10
35	16.64	METHOXYCHLOR	0.0175	10.6493%	207886	36849	5.6	2	38	38	0	8.4217E-08
36	17.38		0.0000	0.0011%	11558	1453	8.0	2		38		1.6101E-10
37	17.90		0.0000	0.0003%	3267	490	6.7	2		38		1.6101E-10
38	18.71	MIREX	1.0000	0.0000%	621083	84208	7.4	1	38	38	0	1.6101E-06

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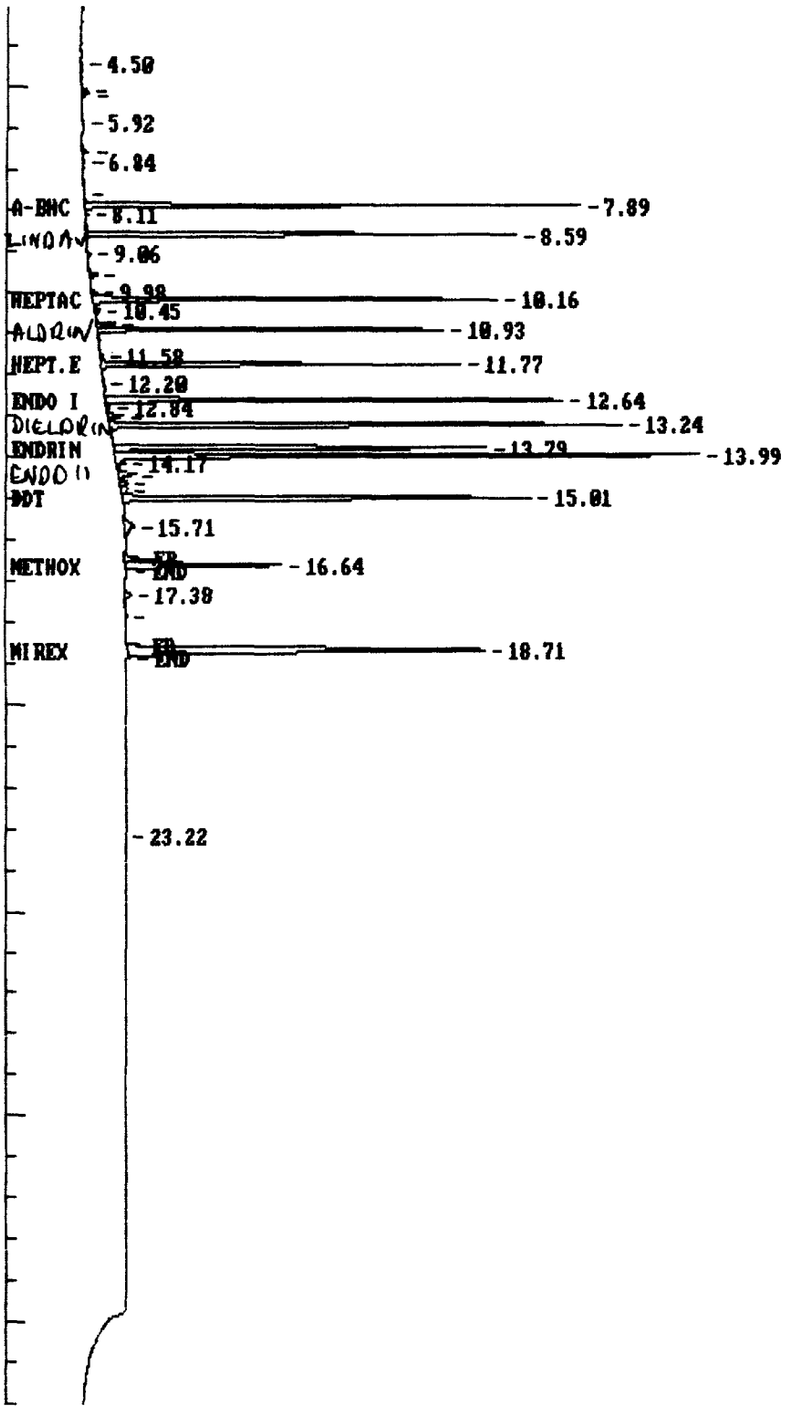
39	[illegible]	0.0000	[illegible]	[illegible]	262	10.3	[illegible]	[illegible]	[illegible]101E-10

TOTAL AMOUNT = 0.1644

SECONDARY COLUMN

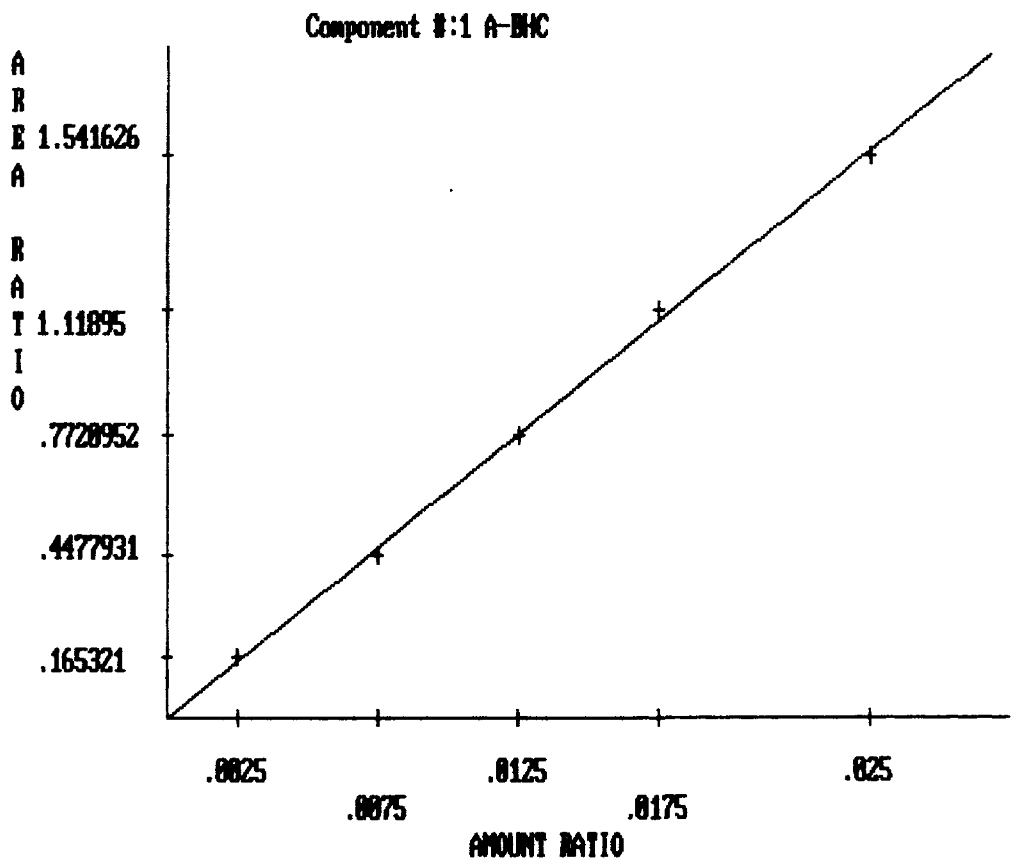
Areas, times, and heights stored in: J:2HOD49.ATB
Data File = J:2HOD49.PTS Printed on 06-26-1993 at 13:40:44
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

SECONDARY COLUMN

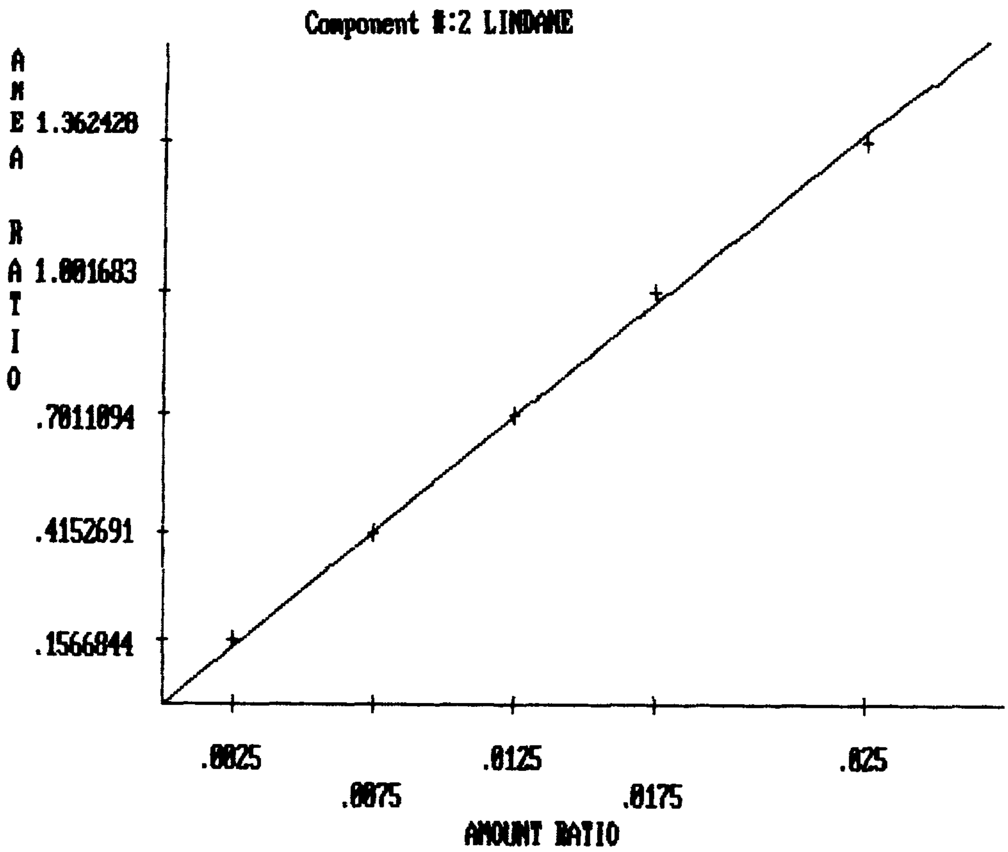
Method J:2PESTAI
Sample PEST A STD Method DB-~~608~~5column
Operator KM & ST
Run date 05-26-1993 09:29:45 version: 318
Printed on 05-26-1993 AT 10:58:52
Straight Line Fit forced through Origin.



Component 1 = A-BHC
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	76659	0.0025	0.1653
2	0.0075	207949	0.0075	0.4478
3	0.0125	364277	0.0125	0.7721
4	0.0175	536362	0.0175	1.1189
5	0.0250	753605	0.0250	1.5416

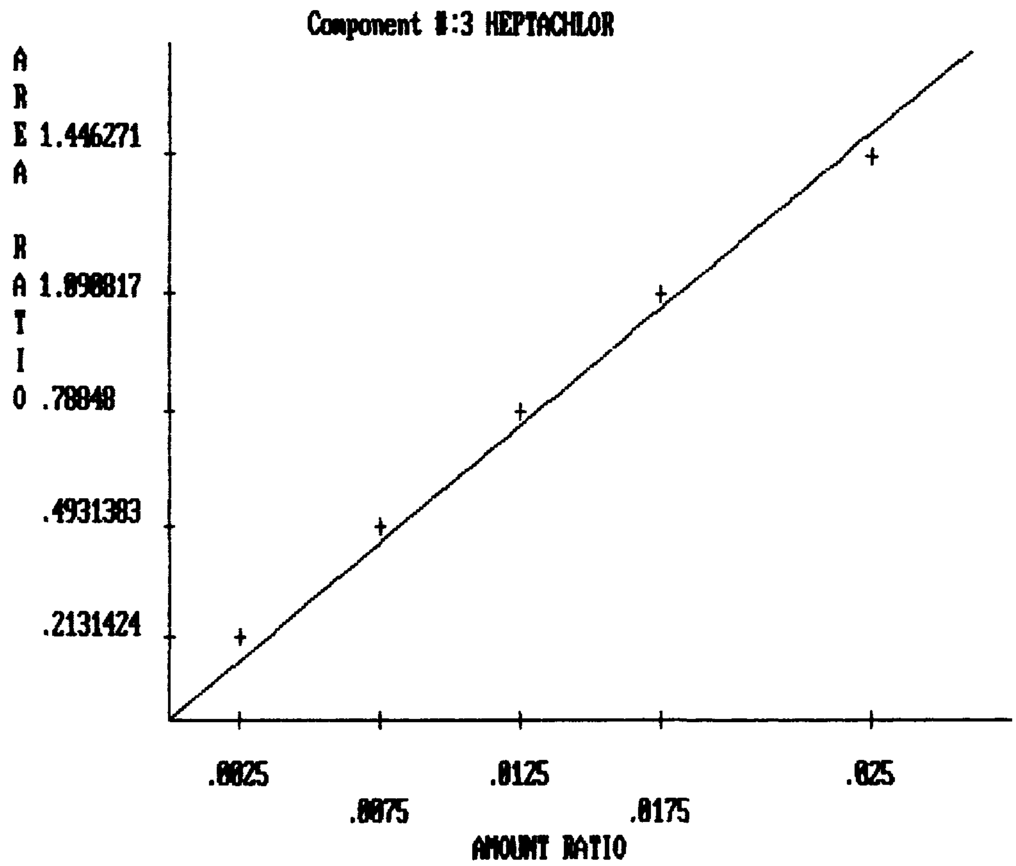
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 6.2213E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.6074E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9996



Component 2 = LINDANE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	72654	0.0025	0.1567
2	0.0075	192845	0.0075	0.4153
3	0.0125	330785	0.0125	0.7011
4	0.0175	480150	0.0175	1.0017
5	0.0250	666006	0.0250	1.3624

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.5531E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.8008E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9995



Component 3 = HEPTACHLOR

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	98833	0.0025	0.2131
2	0.0075	229006	0.0075	0.4931
3	0.0125	372007	0.0125	0.7885
4	0.0175	522877	0.0175	1.0908
5	0.0250	706992	0.0250	1.4463

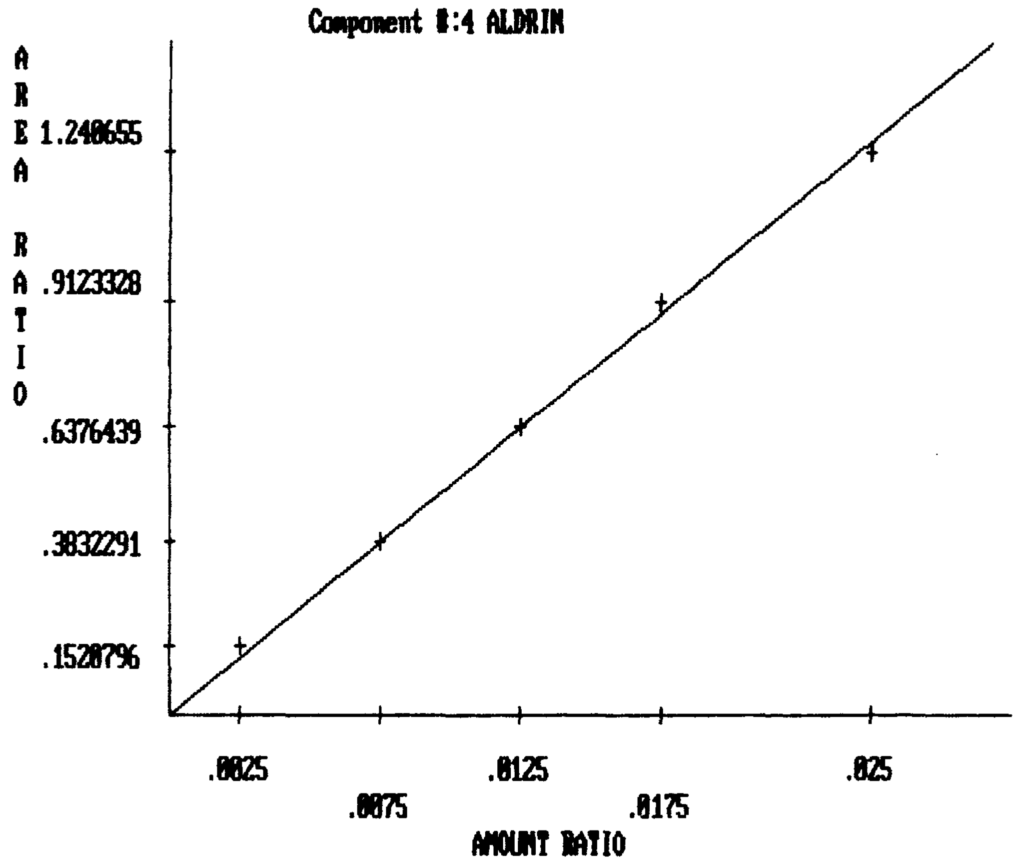
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 6.0290E+01 * Amt ratio + 0.0000E+00

Amt ratio = 1.6587E-02 * Area ratio + 0.0000E+00

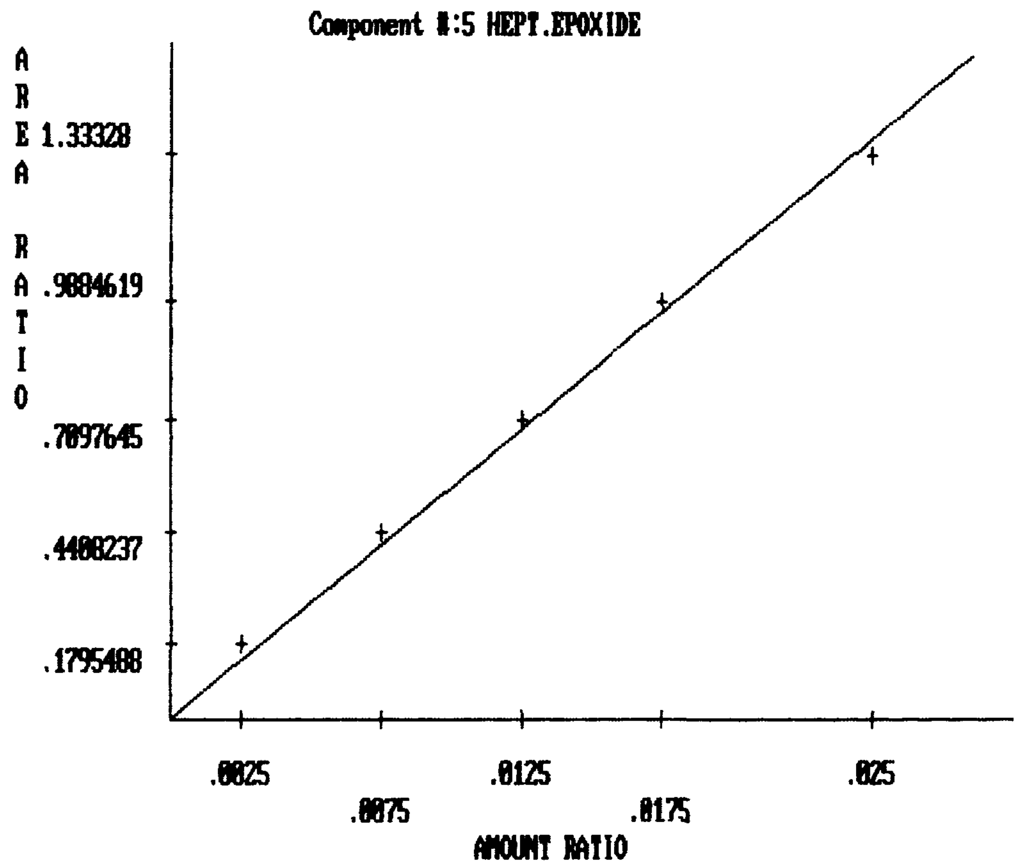
Correlation Coefficient = 0.9972



Component 4 = ALDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	70519	0.0025	0.1521
2	0.0075	177966	0.0075	0.3832
3	0.0125	300842	0.0125	0.6376
4	0.0175	437321	0.0175	0.9123
5	0.0250	606479	0.0250	1.2407

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.0615E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.9757E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9993



Component 5 = HEPT.EPOXIDE

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	83256	0.0025	0.1795
2	0.0075	204712	0.0075	0.4408
3	0.0125	334869	0.0125	0.7098
4	0.0175	473813	0.0175	0.9885
5	0.0250	651758	0.0250	1.3333

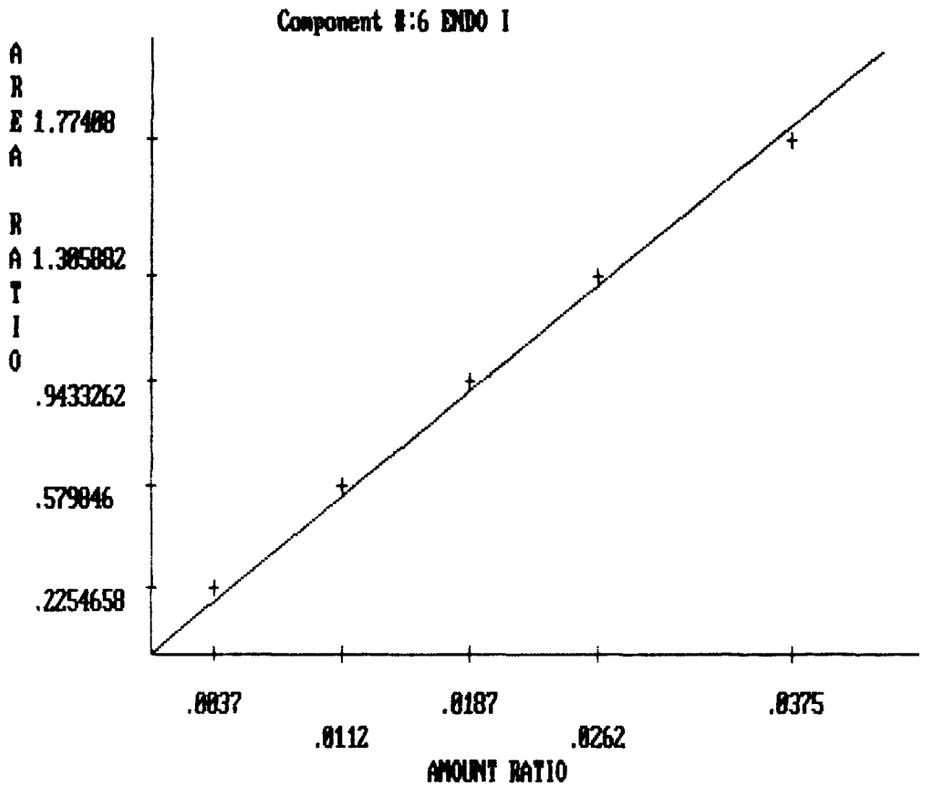
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 5.5006E+01 * Amt ratio + 0.0000E+00

Amt ratio = 1.8180E-02 * Area ratio + 0.0000E+00

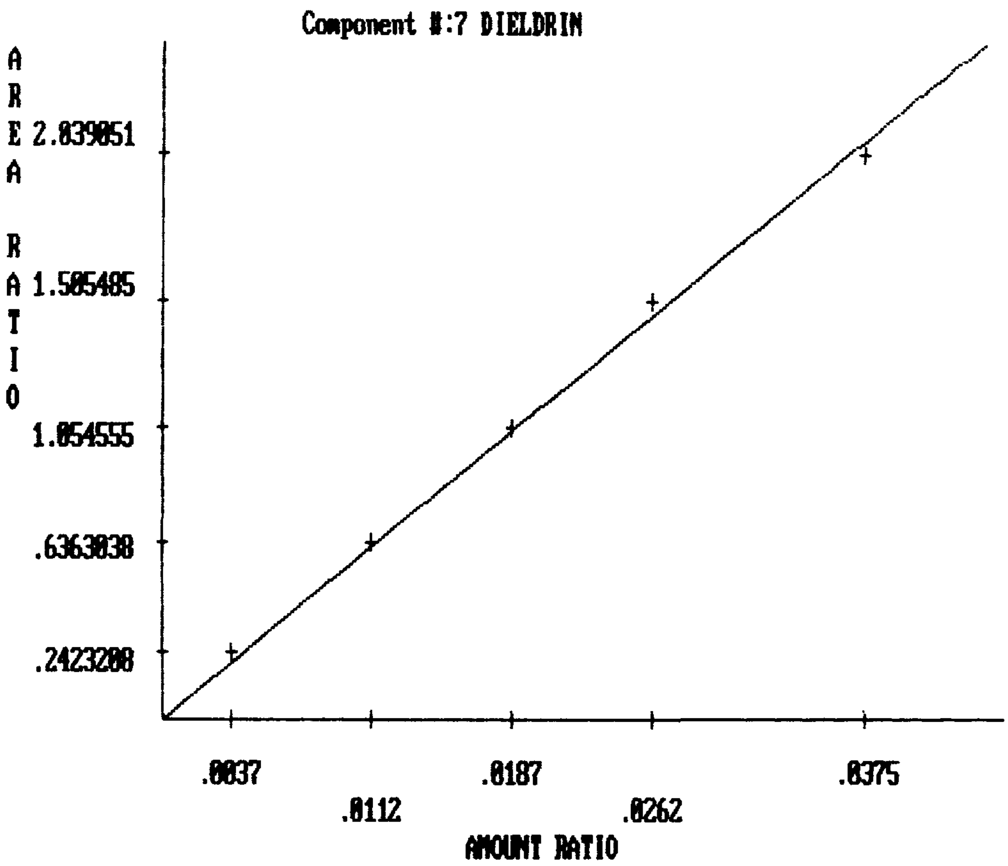
Correlation Coefficient = 0.9984



Component 6 = ENDO I
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	104548	0.0037	0.2255
2	0.0112	269272	0.0112	0.5798
3	0.0187	445064	0.0187	0.9433
4	0.0262	625966	0.0262	1.3059
5	0.0375	867237	0.0375	1.7741

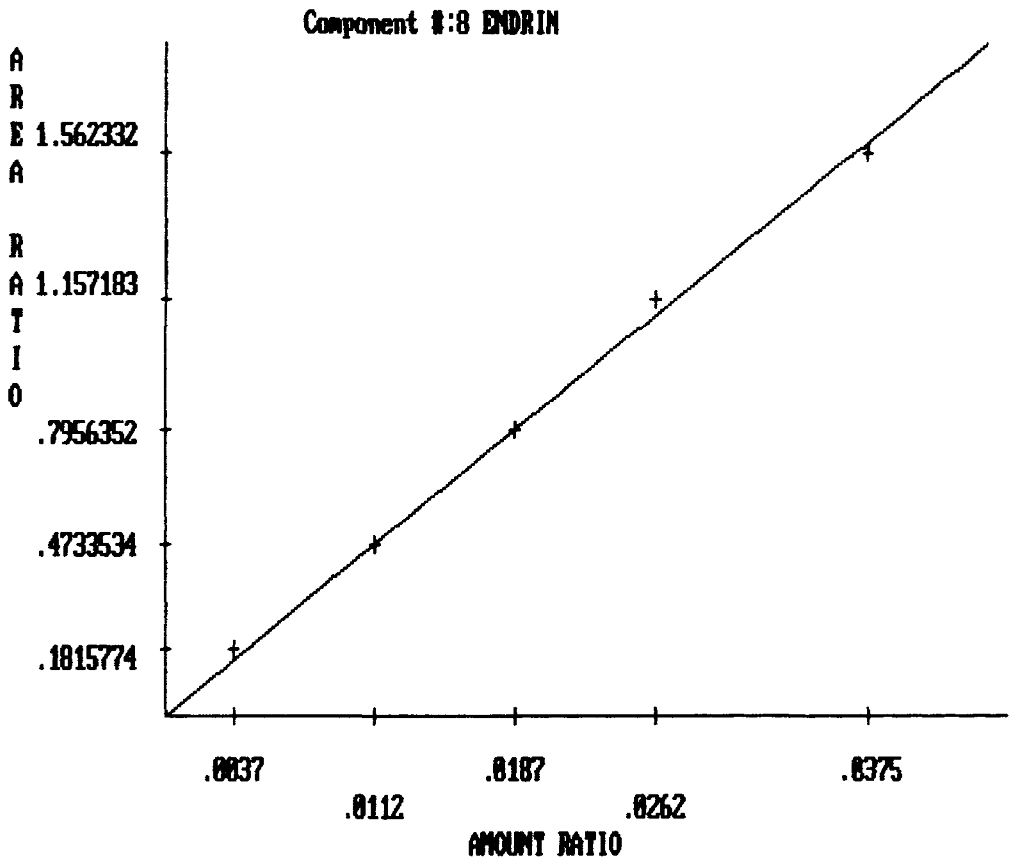
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 4.8697E+01 * Amt ratio + 0.0000E+00
Amt ratio = 2.0535E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9987



Component 7 = DIELDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	112363	0.0037	0.2423
2	0.0112	295490	0.0112	0.6363
3	0.0187	497542	0.0187	1.0546
4	0.0262	721645	0.0262	1.5055
5	0.0375	996765	0.0375	2.0391

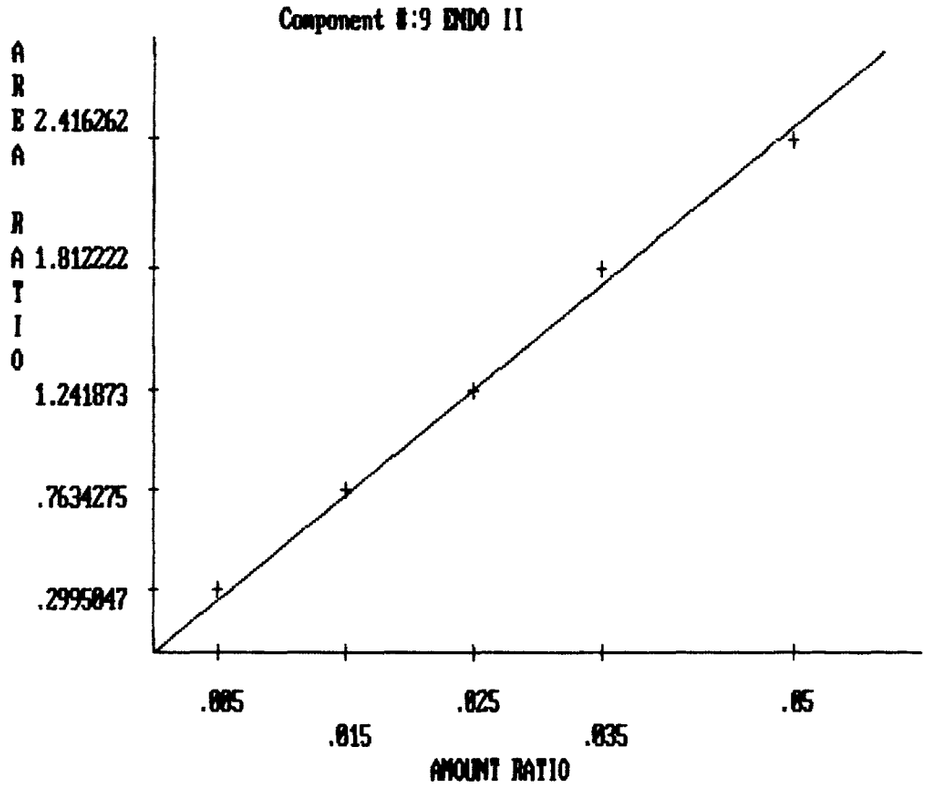
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.5646E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.7971E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9992



Component 8 = ENDRIN
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	84197	0.0037	0.1816
2	0.0112	219818	0.0112	0.4734
3	0.0187	375383	0.0187	0.7956
4	0.0262	554689	0.0262	1.1572
5	0.0375	763727	0.0375	1.5623

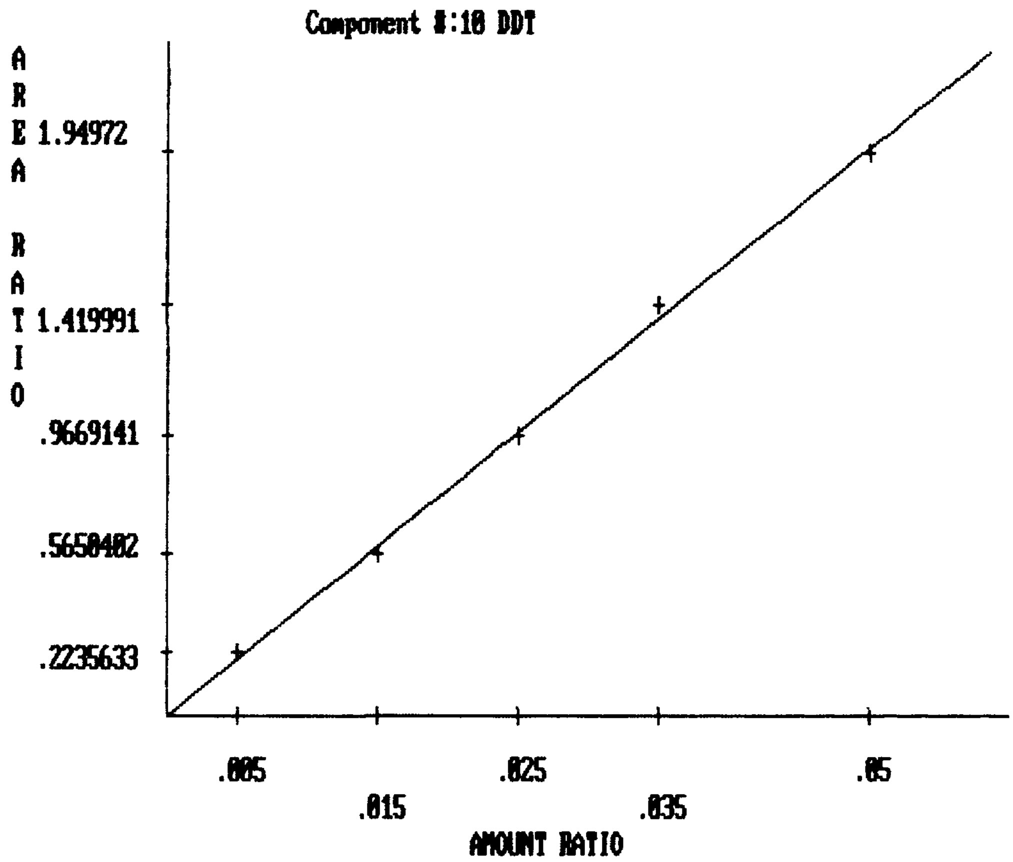
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 4.2517E+01 * Amt ratio + 0.0000E+00
Amt ratio = 2.3520E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9993



Component 9 = ENDO II
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	138879	0.0050	0.2995
2	0.0150	354525	0.0150	0.7634
3	0.0250	585919	0.0250	1.2419
4	0.0350	868677	0.0350	1.8122
5	0.0500	1181160	0.0500	2.4163

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 4.9617E+01 * Amt ratio + 0.0000E+00
Amt ratio = 2.0155E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9989



Component 10 = DDT

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	103666	0.0050	0.2236
2	0.0150	262396	0.0150	0.5650
3	0.0250	456193	0.0250	0.9669
4	0.0350	680664	0.0350	1.4200
5	0.0500	953097	0.0500	1.9497

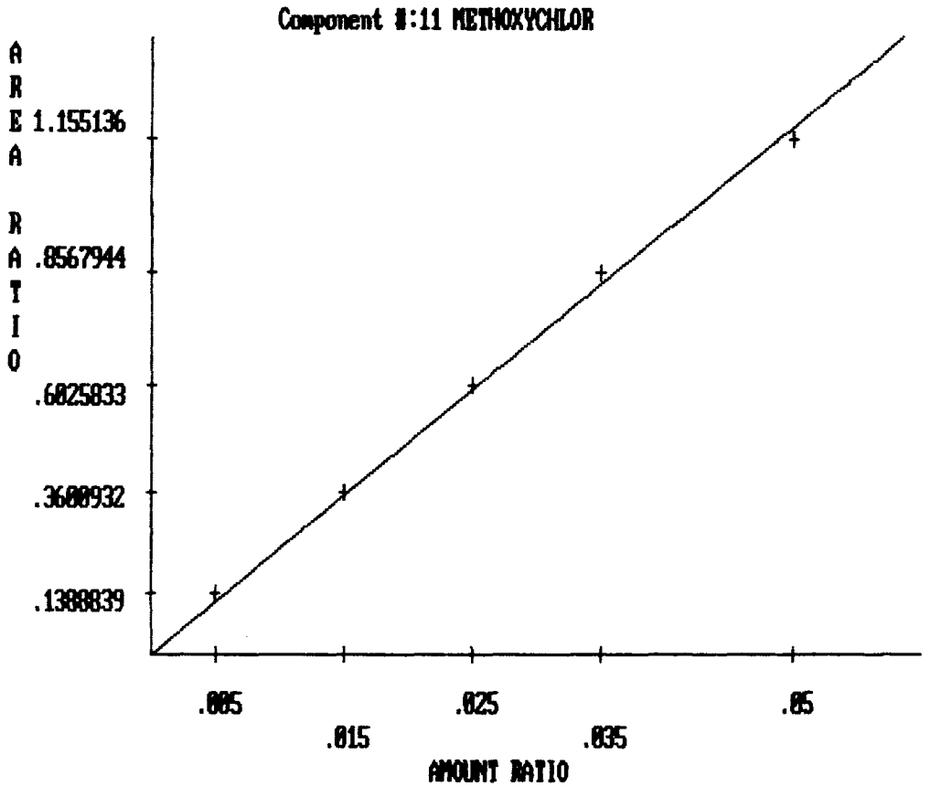
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 3.9337E+01 * Amt ratio + 0.0000E+00

Amt ratio = 2.5421E-02 * Area ratio + 0.0000E+00

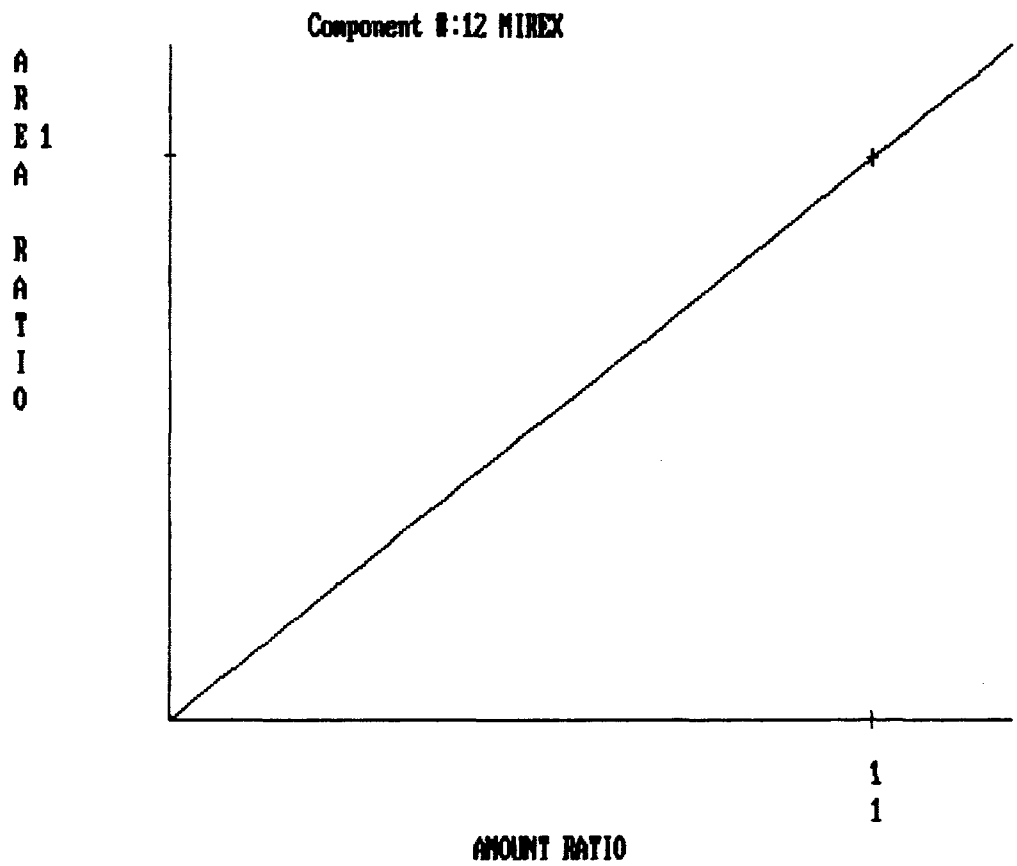
Correlation Coefficient = 0.9995



Component 11 = METHOXYCHLOR
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	64400	0.0050	0.1389
2	0.0150	167222	0.0150	0.3601
3	0.0250	284300	0.0250	0.6026
4	0.0350	410699	0.0350	0.8568
5	0.0500	564674	0.0500	1.1551

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.3675E+01 * Amt ratio + 0.0000E+00
Amt ratio = 4.2239E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9992



Component 12 = MIREX
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	1.0000	463697	1.0000	1.0000
2	1.0000	464385	1.0000	1.0000
3	1.0000	471803	1.0000	1.0000
4	1.0000	479344	1.0000	1.0000
5	1.0000	488838	1.0000	1.0000

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.0000E+00 * Amt ratio + 0.0000E+00
Amt ratio = 1.0000E+00 * Area ratio + 0.0000E+00
Correlation Coefficient = 1.0000

PRIMARY COLUMN

```
****** EXTERNAL STANDARD TABLE ******
******************** 05-26-1993 14:42:32 Version 4.1 **********************
* Sample Name: PEST B L1                          Data File: J:1HOD9        *
* Date: 05-25-1993 21:53:55 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  9    Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*             Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~     *
* Misc. Information: H.O.D. LANDFILL                    ~~SCRN:~~       *   *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/µML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.55		0.1965	0.7173%	1965	422	4.7	1			1.0000E-04
2	6.76		0.2144	0.7826%	2144	548	3.9	2			1.0000E-04
3	7.04	TCMX	0.0035	0.0127%	53627	13878	3.9	2	3	0	6.5094E-08
4	7.93		0.2103	0.7678%	2103	646	3.3	1			1.0000E-04
5	8.63		0.1978	0.7221%	1978	566	3.5	1			1.0000E-04
6	9.41		0.1424	0.5198%	1424	129	11.1	1			1.0000E-04
7	9.81	B-BHC	0.0029	0.0107%	25082	6929	3.6	2	7	0	1.1657E-07
8	10.20		0.4086	1.4918%	4086	657	6.2	2			1.0000E-04
9	10.41		0.2604	0.9506%	2604	510	5.1	2			1.0000E-04
10	10.67	D-BHC	0.0026	0.0094%	26132	7180	3.6	1	10	0	9.8210E-08
11	11.03		0.6738	2.4600%	6738	1179	5.7	1			1.0000E-04
12	11.83		1.4478	5.2856%	14478	3116	4.6	2			1.0000E-04
13	12.67		0.4755	1.7358%	4755	710	6.7	2			1.0000E-04
14	12.97	G-CHLORDANE	0.0043	0.0159%	52361	11207	4.7	2	14	0	8.3021E-08
15	13.39	A-CHLORDANE	0.0046	0.0169%	55734	10950	5.1	2	15	0	8.3261E-08
16	13.84		0.3117	1.1380%	3117	627	5.0	2			1.0000E-04
17	13.96	DDE	0.0041	0.0150%	41375	8851	4.7	2	17	0	9.9602E-08
18	15.07		0.5098	1.8612%	5098	592	8.6	1			1.0000E-04
19	15.49	DDD	0.0057	0.0208%	30252	4964	6.1	1	19	0	1.8831E-07
20	16.71		0.4354	1.5894%	4354	284	15.3	1			1.0000E-04
21	16.94	END ALDEHYDE	0.0070	0.0256%	55210	8755	6.3	1	21	0	1.2709E-07
22	17.40	END SULFATE	0.0052	0.0191%	39479	6531	6.0	1	22	0	1.3273E-07
23	17.98		0.2887	1.0539%	2887	404	7.2	1			1.0000E-04
24	18.80		0.1511	0.5514%	1511	204	7.4	1			1.0000E-04
25	20.23		0.8197	2.9926%	8197	121	67.9	1			1.0000E-04
26	21.00		20.6018	75.2110%	206018	17263	11.9	1			1.0000E-04
27	30.12	DCB	0.0063	0.0229%	97845	6467	15.1	1	27	0	6.4160E-08

TOTAL AMOUNT = 27.3920

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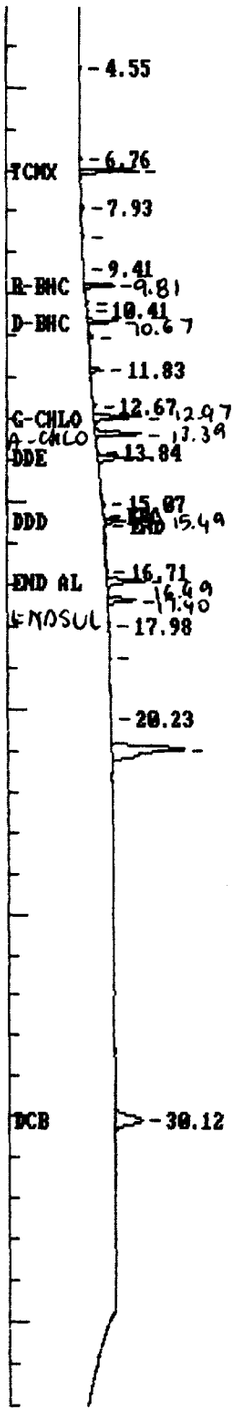
PRIMARY COLUMN

Data File = J:1HOD9.PTS Printed on 05-26-1993 at 14:43:11
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-26-93

PRIMARY COLUMN

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

********** 05-26-1993 14:43:59 Version 4.1 **********

* Sample Name: PEST B L2 Data File: J:1HOD10 *

* Date: 05-25-1993 22:35:28 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *

* Interface: 0 Cycle#: 10 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/µL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.39		0.0969	0.5526%	969	223	4.3	2			1.0000E-04
2	4.55		0.2489	1.4195%	2489	535	4.7	2			1.0000E-04
3	6.76		0.5249	2.9932%	5249	1356	3.9	2			1.0000E-04
4	7.04	TCMX	0.0099	0.0566%	152371	41514	3.7	2	4	0	6.5094E-08
5	8.01		0.1425	0.8125%	1425	402	3.5	1			1.0000E-04
6	9.41		0.2697	1.5382%	2697	332	8.1	1			1.0000E-04
7	9.80	B-BHC	0.0083	0.0473%	71173	19457	3.7	1	7	0	1.1657E-07
8	10.40		0.4847	2.7638%	4847	1029	4.7	1			1.0000E-04
9	10.67	D-BHC	0.0073	0.0415%	74061	21922	3.4	1	9	0	9.8210E-08
10	11.03		0.9159	5.2231%	9159	1983	4.6	1			1.0000E-04
11	11.83		0.7645	4.3597%	7645	1838	4.2	1			1.0000E-04
12	12.34		0.1161	0.6622%	1161	158	7.4	1			1.0000E-04
13	12.97	G-CHLORDANE	0.0120	0.0682%	144043	31831	4.5	1	13	0	8.3021E-08
14	13.37	A-CHLORDANE	0.0121	0.0690%	145302	32238	4.5	1	14	0	8.3261E-08
15	13.96	DDE	0.0112	0.0638%	112413	27218	4.1	1	15	0	9.9602E-08
16	15.47	DDD	0.0121	0.0691%	64320	13721	4.7	1	16	0	1.8831E-07
17	15.93		0.3047	1.7376%	3047	329	9.3	1			1.0000E-04
18	16.31		0.1064	0.6068%	1064	139	7.6	1			1.0000E-04
19	16.54		0.0917	0.5228%	917	117	7.8	1			1.0000E-04
20	16.94	END ALDEHYDE	0.0170	0.0968%	133610	21731	6.1	1	20	0	1.2709E-07
21	17.40	END SULFATE	0.0155	0.0881%	116463	19347	6.0	1	21	0	1.3273E-07
22	17.96		0.7497	4.2752%	7497	1065	7.0	1			1.0000E-04
23	18.78		0.1460	0.8325%	1460	201	7.2	1			1.0000E-04
24	19.45		0.1428	0.8142%	1428	144	9.9	1			1.0000E-04
25	20.20		0.1786	1.0182%	1786	226	7.9	1			1.0000E-04
26	20.99		6.3162	36.0183%	63162	9616	6.6	1			1.0000E-04
27	21.15		5.6276	32.0914%	56276	9230	6.1	1			1.0000E-04
28	26.93		0.1857	1.0591%	1857	167	11.2	1			1.0000E-04
29	30.10	DCB	0.0173	0.0986%	269479	17624	15.3	1	29	0	6.4160E-08

TOTAL AMOUNT = 17.5361

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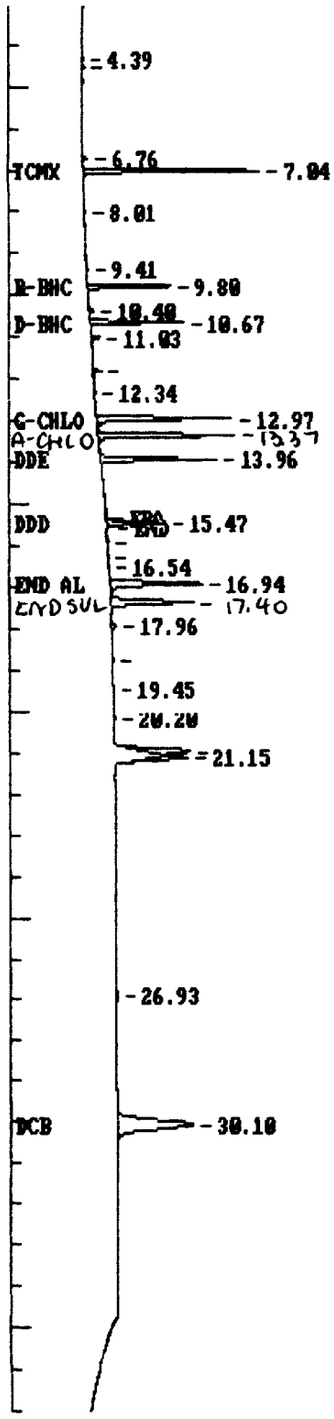
PRIMARY COLUMN

Data File = J:1HOD10.PTS Printed on 05-26-1993 at 14:44:44
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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PRIMARY COLUMN

```
*****   EXTERNAL STANDARD TABLE   *****
******************** 05-26-1993 14:45:34 Version 4.1 **********************
* Sample Name: PEST B L3                          Data File: J:1HOD11      *
* Date: 05-25-1993 23:17:04 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  11   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*             Detector 0: DB608 QUAN          Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D. LANDFILL                  SCRN:          *     *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.39		0.1382	0.5956%	1382	347	4.0	2			1.0000E-04
2	4.57		0.2041	0.8796%	2041	440	4.6	2			1.0000E-04
3	6.76		0.8599	3.7065%	8599	2327	3.7	1			1.0000E-04
4	7.04	TCMX	0.0157	0.0675%	240714	66789	3.6	1	4	0	6.5094E-08
5	7.69		0.1619	0.6979%	1619	250	6.5	1			1.0000E-04
6	8.03		0.2492	1.0743%	2492	670	3.7	1			1.0000E-04
7	9.08		0.0510	0.2198%	510	167	3.1	1			1.0000E-04
8	9.41		0.2622	1.1303%	2622	489	5.4	1			1.0000E-04
9	9.81	B-BHC	0.0128	0.0551%	109665	31373	3.5	2	9	0	1.1657E-07
10	10.41		0.8978	3.8699%	8978	1610	5.6	2			1.0000E-04
11	10.67	D-BHC	0.0117	0.0502%	118662	33296	3.6	1	11	0	9.8210E-08
12	11.05		0.1337	0.5764%	1337	320	4.2	1			1.0000E-04
13	11.83		0.1873	0.8072%	1873	514	3.6	1			1.0000E-04
14	12.35		0.2107	0.9082%	2107	354	5.9	2			1.0000E-04
15	12.70		0.1954	0.8424%	1954	339	5.8	2			1.0000E-04
16	12.97	G-CHLORDANE	0.0188	0.0811%	226660	49635	4.6	2	16	0	8.3021E-08
17	13.39	A-CHLORDANE	0.0189	0.0814%	226920	49817	4.6	2	17	0	8.3261E-08
18	13.96	DDE	0.0180	0.0776%	180829	42734	4.2	2	18	0	9.9602E-08
19	14.49		0.1624	0.7001%	1624	204	8.0	1			1.0000E-04
20	15.11		0.1659	0.7152%	1659	224	7.4	1			1.0000E-04
21	15.49	DDD	0.0191	0.0824%	101565	21256	4.8	1	21	0	1.8831E-07
22	15.93		0.4513	1.9452%	4513	511	8.8	1			1.0000E-04
23	16.33		0.1291	0.5563%	1291	168	7.7	1			1.0000E-04
24	16.54		0.1726	0.7441%	1726	281	6.2	1			1.0000E-04
25	16.96	END ALDEHYDE	0.0251	0.1084%	197857	31371	6.3	1	25	0	1.2709E-07
26	17.40	END SULFATE	0.0243	0.1047%	183072	30206	6.1	1	26	0	1.3273E-07
27	17.98		1.2052	5.1947%	12052	1694	7.1	1			1.0000E-04
28	18.80		0.1478	0.6370%	1478	206	7.2	1			1.0000E-04
29	19.47		0.0987	0.4254%	987	138	7.1	1			1.0000E-04
30	20.20		0.3236	1.3950%	3236	431	7.5	1			1.0000E-04
31	21.00		4.6909	20.2188%	46909	7104	6.6	1			1.0000E-04
32	21.15		11.3787	49.0452%	113787	16903	6.7	1			1.0000E-04
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]

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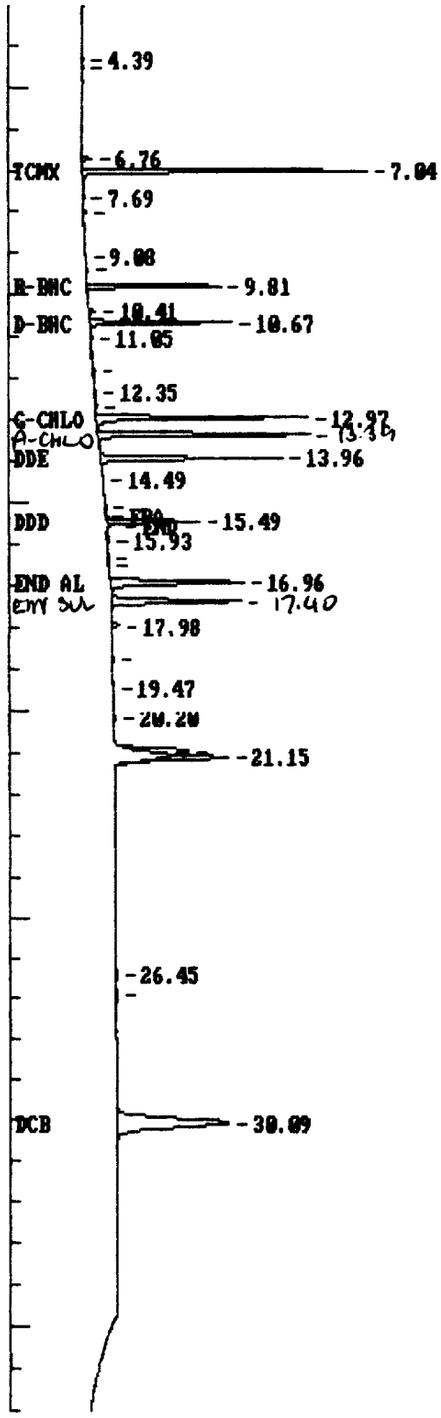
34	26.93		0.3009	1.2968%	[illegible]	263	11.4	1			1.0000E-04
35	30.09	DCB	0.0260	0.1123%	405946	26330	15.4	1	35	0	6.4160E-08

TOTAL AMOUNT = 23.2005

PRIMARY COLUMN

Data File = J:1HOD11.PTS Printed on 05-26-1993 at 14:46:25
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-26-93

PRIMARY COLUMN

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

********** 05-26-1993 14:47:16 Version 4.1 **********

* Sample Name: PEST B L4 Data File: J:1HOD12 *

* Date: 05-25-1993 23:58:38 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *

* Interface: 0 Cycle#: 12 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L NL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.39		0.1863	0.5600%	1863	474	3.9	2			1.0000E-04
2	4.57		0.2994	0.8999%	2994	636	4.7	2			1.0000E-04
3	4.92		0.1243	0.3736%	1243	278	4.5	1			1.0000E-04
4	6.76		1.0368	3.1162%	10368	2747	3.8	1			1.0000E-04
5	7.04	TCMX	0.0218	0.0656%	335324	93401	3.6	1	5	0	6.5094E-08
6	7.68		0.1949	0.5859%	1949	289	6.7	1			1.0000E-04
7	8.03		0.3387	1.0181%	3387	898	3.8	1			1.0000E-04
8	8.44		0.1216	0.3656%	1216	251	4.8	1			1.0000E-04
9	8.76		0.0638	0.1918%	638	141	4.5	1			1.0000E-04
10	9.08		0.0845	0.2539%	845	266	3.2	1			1.0000E-04
11	9.41		0.3456	1.0387%	3456	640	5.4	1			1.0000E-04
12	9.81	B-BHC	0.0176	0.0528%	150819	42292	3.6	2	12	0	1.1657E-07
13	10.10		0.1007	0.3028%	1007	188	5.3	2			1.0000E-04
14	10.41		0.9461	2.8436%	9461	2016	4.7	2			1.0000E-04
15	10.67	D-BHC	0.0174	0.0523%	177111	51618	3.4	2	15	0	9.8210E-08
16	11.05		0.3891	1.1694%	3891	882	4.4	1			1.0000E-04
17	11.83		0.5807	1.7453%	5807	1372	4.2	1			1.0000E-04
18	12.35		0.2557	0.7686%	2557	503	5.1	1			1.0000E-04
19	12.70		0.2217	0.6663%	2217	471	4.7	1			1.0000E-04
20	12.97	G-CHLORDANE	0.0262	0.0786%	315136	70026	4.5	2	20	0	8.3021E-08
21	13.39	A-CHLORDANE	0.0262	0.0788%	314842	68460	4.6	2	21	0	8.3261E-08
22	13.96	DDE	0.0259	0.0779%	260375	63694	4.1	1	22	0	9.9602E-08
23	14.49		0.2099	0.6309%	2099	307	6.8	1			1.0000E-04
24	15.11		0.1210	0.3638%	1210	266	4.5	1			1.0000E-04
25	15.49	DDD	0.0263	0.0791%	139738	29596	4.7	1	25	0	1.8831E-07
26	15.93		0.5993	1.8013%	5993	663	9.0	1			1.0000E-04
27	16.33		0.1664	0.5002%	1664	208	8.0	1			1.0000E-04
28	16.54		0.2664	0.8008%	2664	432	6.2	1			1.0000E-04
29	16.94	END ALDEHYDE	0.0353	0.1061%	277830	44296	6.3	1	29	0	1.2709E-07
30	17.40	END SULFATE	0.0348	0.1047%	262507	42704	6.1	1	30	0	1.3273E-07
31	17.98		1.6180	4.8632%	16180	2273	7.1	1			1.0000E-04
32	18.80		0.1416	0.4255%	1416	198	7.2	1			1.0000E-04
33	19.47		0.1475	0.4433%	1475	190	7.1	1			1.0000E-04

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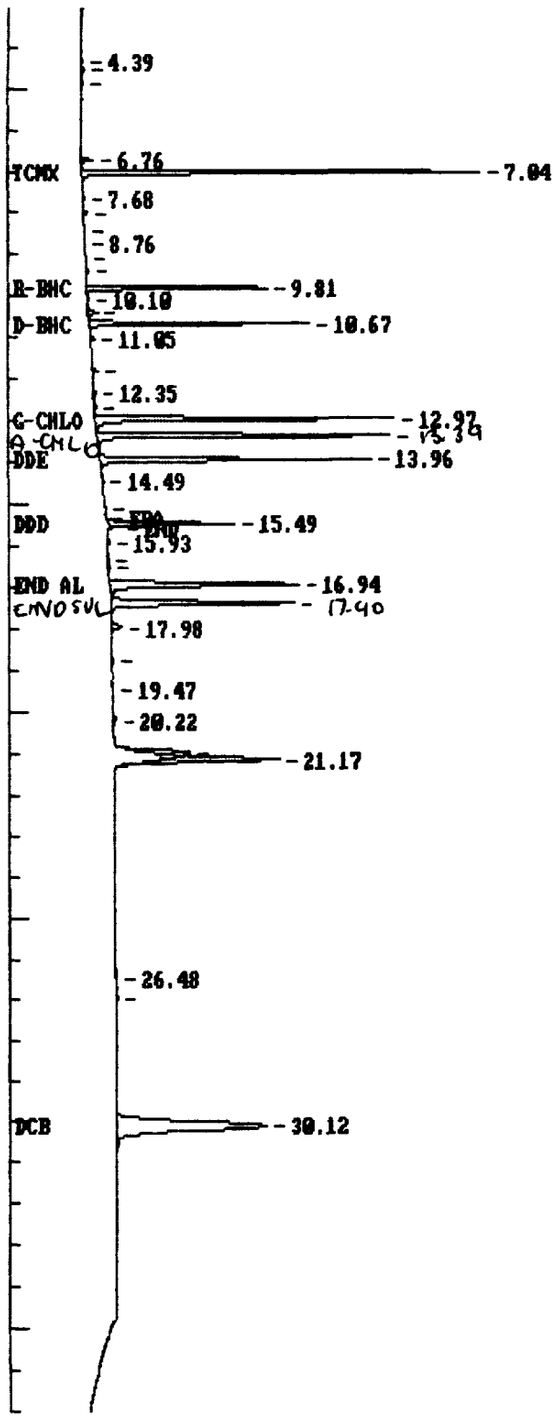
34	20.22	0.3973	1.1941%	3973	510	7.7	1				1.0000E-04
35	21.00	3.2504	9.7697%	32504	5680	5.7	1				1.0000E-04
36	21.17	19.9954	60.0994%	199954	29285	6.8	1				1.0000E-04
37	26.48	0.3683	1.1071%	3683	288	12.8	1				1.0000E-04
38	26.96	0.4321	1.2986%	4321	372	11.6	1				1.0000E-04
39	30.12 DCB	0.0353	0.1061%	550118	35211	15.6	1	39		0	6.4160E-08

TOTAL AMOUNT = 33.2706

Data File = J:1HOD12.PTS Printed on 05-26-1993 at 14:48:12
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts

PRIMARY COLUMN



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PRIMARY COLUMN

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

********** 05-26-1993 14:49:03 Version 4.1 **********

* Sample Name: PEST B L5 Data File: J:1HOD13 *
* Date: 05-26-1993 00:40:17 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 13 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.39		0.2631	0.3598%	2631	667	3.9	2			1.0000E-04
2	4.55		0.3471	0.4746%	3471	743	4.7	2			1.0000E-04
3	4.92		0.1735	0.2373%	1735	396	4.4	1			1.0000E-04
4	6.76		1.4148	1.9346%	14148	3688	3.8	1			1.0000E-04
5	7.04	TCMX	0.0306	0.0418%	470116	128754	3.7	1	5	0	6.5094E-08
6	7.68		0.3170	0.4335%	3170	515	6.2	1			1.0000E-04
7	8.03		0.4801	0.6565%	4801	1241	3.9	1			1.0000E-04
8	8.44		0.1590	0.2174%	1590	315	5.1	1			1.0000E-04
9	9.06		0.1255	0.1716%	1255	387	3.2	1			1.0000E-04
10	9.41		0.4834	0.6609%	4834	898	5.4	1			1.0000E-04
11	9.81	B-BHC	0.0245	0.0335%	210355	56743	3.7	2	11	0	1.1657E-07
12	10.10		0.1074	0.1468%	1074	230	4.7	2			1.0000E-04
13	10.41		1.3216	1.8071%	13216	2758	4.8	2			1.0000E-04
14	10.67	D-BHC	0.0256	0.0349%	260243	79068	3.3	2	14	0	9.8210E-08
15	11.03		0.5716	0.7816%	5716	1232	4.6	1			1.0000E-04
16	11.83		0.2657	0.3634%	2657	579	4.6	1			1.0000E-04
17	12.35		0.3682	0.5034%	3682	677	5.4	2			1.0000E-04
18	12.70		0.3370	0.4608%	3370	646	5.2	2			1.0000E-04
19	12.97	G-CHLORDANE	0.0372	0.0508%	447804	100208	4.5	2	19	0	8.3021E-08
20	13.37	A-CHLORDANE	0.0370	0.0506%	444779	98178	4.5	2	20	0	8.3261E-08
21	13.96	DDE	0.0380	0.0519%	381408	95008	4.0	1	21	0	9.9602E-08
22	14.49		0.3134	0.4286%	3134	440	7.1	2			1.0000E-04
23	15.09		0.1034	0.1414%	1034	366	2.8	2			1.0000E-04
24	15.49	DDD	0.0367	0.0502%	195089	41166	4.7	1	24	0	1.8831E-07
25	15.93		0.8642	1.1817%	8642	959	9.0	1			1.0000E-04
26	16.31		0.2346	0.3207%	2346	305	7.7	1			1.0000E-04
27	16.54		0.3449	0.4717%	3449	591	5.8	1			1.0000E-04
28	16.94	END ALDEHYDE	0.0489	0.0669%	384875	62022	6.2	1	28	0	1.2709E-07
29	17.40	END SULFATE	0.0503	0.0688%	378967	63274	6.0	1	29	0	1.3273E-07
30	17.96		2.2681	3.1014%	22681	3216	7.1	1			1.0000E-04
31	18.80		0.1380	0.1887%	1380	198	7.0	1			1.0000E-04
32	19.47		0.1860	0.2543%	1860	269	6.9	1			1.0000E-04
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]

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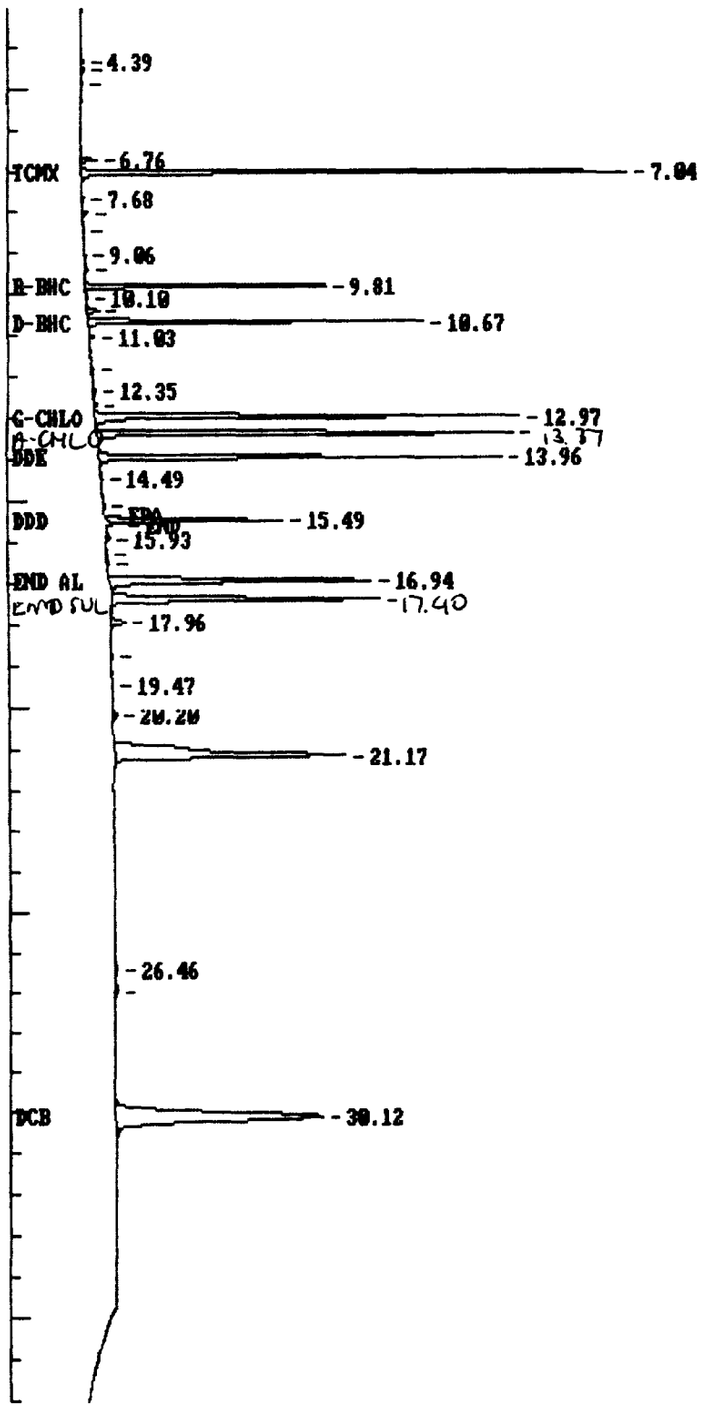
33	20.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
34	21.17	59.7981	81.7670%	597981	54613	10.9	1			1.0000E-04
35	26.46	0.4902	0.6703%	4902	382	12.8	1			1.0000E-04
36	26.96	0.6281	0.8588%	6281	517	12.1	1			1.0000E-04
37	30.12 DCB	0.0485	0.0663%	755241	48778	15.5	1	37	0	6.4160E-08

TOTAL AMOUNT = 73.1323

PRIMARY COLUMN

Data File = J:1HOD13.PTS Printed on 05-26-1993 at 14:49:57
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-26-93

PRIMARY COLUMN

***** EXTERNAL STANDARD TABLE *****
******************** 05-26-1993 15:46:18 Version 4.1 **********************
* Sample Name: PEST B L3 #1 Data File: J:1HOD28 *
* Date: 05-26-1993 11:21:06 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 28 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *
****
* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *
****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.39		0.1300	0.4717%	1300	331	3.9	2			1.0000E-04
2	4.55		0.2382	0.8642%	2382	508	4.7	2			1.0000E-04
3	4.92		0.1119	0.4061%	1119	238	4.7	1			1.0000E-04
4	6.76		0.8068	2.9276%	8068	2122	3.8	1			1.0000E-04
5	7.04	TCMX	0.0159	0.0578%	244719	67342	3.6	1	5	0	6.5094E-08
6	7.68		0.1552	0.5632%	1552	244	6.4	1			1.0000E-04
7	7.91		0.1020	0.3700%	1020	312	3.3	2			1.0000E-04
8	8.03		0.2351	0.8532%	2351	618	3.8	2			1.0000E-04
9	8.61		0.0954	0.3461%	954	296	3.2	1			1.0000E-04
10	9.41		0.2522	0.9151%	2522	470	5.4	1			1.0000E-04
11	9.81	B-BHC	0.0138	0.0502%	118628	30489	3.9	1	11	0	1.1657E-07
12	10.41		0.7282	2.6422%	7282	1515	4.8	1			1.0000E-04
13	10.67	D-BHC	0.0124	0.0451%	126572	37919	3.3	1	13	0	9.8210E-08
14	11.03		3.4736	12.6042%	34736	7287	4.8	1			1.0000E-04
15	11.83		0.3874	1.4058%	3874	757	5.1	1			1.0000E-04
16	12.67		0.1162	0.4218%	1162	296	3.9	1			1.0000E-04
17	12.97	G-CHLORDANE	0.0194	0.0702%	233105	52093	4.5	2	17	0	8.3021E-08
18	13.37	A-CHLORDANE	0.0196	0.0712%	235756	51977	4.5	2	18	0	8.3261E-08
19	13.96	DDE	0.0193	0.0700%	193721	47286	4.1	1	19	0	9.9602E-08
20	15.06		0.2910	1.0558%	2910	281	10.4	1			1.0000E-04
21	15.47	DDD	0.0220	0.0798%	116782	23444	5.0	1	21	0	1.8831E-07
22	15.83		0.4764	1.7285%	4764	521	9.1	1			1.0000E-04
23	16.31		0.1497	0.5432%	1497	203	7.4	1			1.0000E-04
24	16.69		0.0943	0.3421%	943	135	7.0	1			1.0000E-04
25	16.94	END ALDEHYDE	0.0276	0.1000%	216911	35245	6.2	1	25	0	1.2709E-07
26	17.40	END SULFATE	0.0259	0.0939%	194939	32899	5.9	1	26	0	1.3273E-07
27	17.96		1.2425	4.5084%	12425	1780	7.0	1			1.0000E-04
28	18.78		0.1575	0.5716%	1575	214	7.4	1			1.0000E-04
29	19.45		0.0997	0.3618%	997	151	6.6	1			1.0000E-04
30	20.20		0.3285	1.1918%	3285	422	7.8	1			1.0000E-04
31	20.99		4.4500	16.1471%	44500	7447	6.0	1			1.0000E-04
32	21.15		12.9297	46.9164%	129297	19469	6.6	1			1.0000E-04
33	26.93		0.3044	1.1044%	3044	270	11.3	1			1.0000E-04
34	30.09	DCB	0.0274	0.0995%	427312	27926	15.3	1	34	0	6.4160E-08

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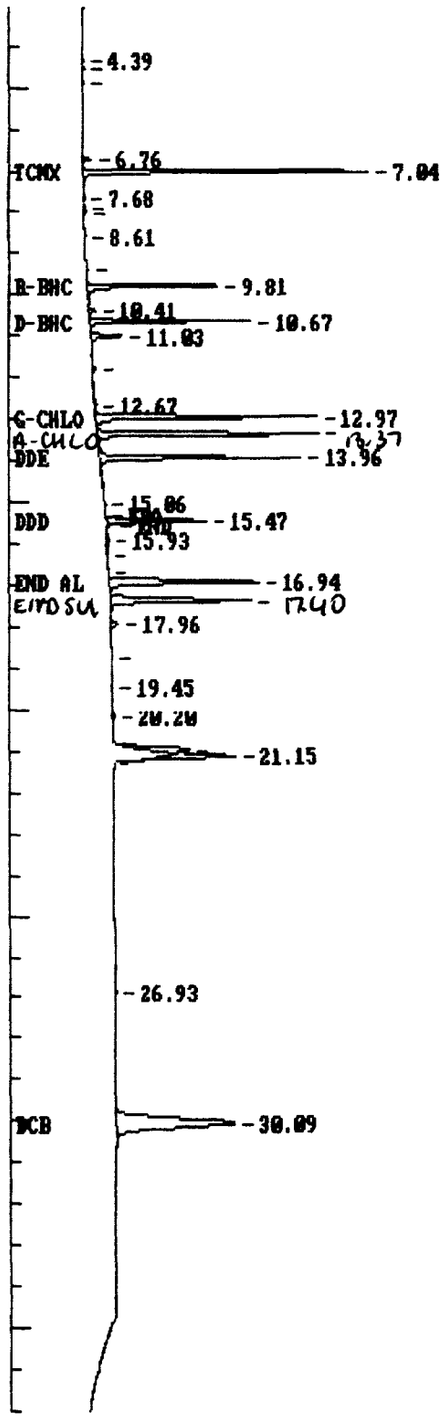
PRIMARY COLUMN

Data File = J:1HOD28.PTS Printed on 05-26-1993 at 15:47:08
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-26-93

PRIMARY COLUMN

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

********** 05-28-1993 13:04:44 Version 4.1 **********

* Sample Name: PEST B L3 #2 Data File: J:1HOD36 *

* Date: 05-26-1993 16:32:42 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *

* Interface: 0 Cycle#: 36 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.39		0.1312	0.4295%	1312	333	3.9	2			1.0000E-04
2	4.55		0.2300	0.7527%	2300	498	4.6	2			1.0000E-04
3	4.92		0.1118	0.3659%	1118	242	4.6	1			1.0000E-04
4	6.74		0.6253	2.0463%	6253	1612	3.9	1			1.0000E-04
5	7.04	TCMX	0.0164	0.0535%	251199	68244	3.7	1	5	0	6.5094E-08
6	7.68		0.0977	0.3197%	977	164	5.9	1			1.0000E-04
7	7.91		0.1143	0.3740%	1143	326	3.5	2			1.0000E-04
8	8.01		0.2285	0.7477%	2285	628	3.6	2			1.0000E-04
9	8.61		0.0958	0.3135%	958	305	3.1	1			1.0000E-04
10	9.41		0.2227	0.7287%	2227	324	6.9	1			1.0000E-04
11	9.80	B-BHC	0.0144	0.0470%	123298	32416	3.8	1	11	0	1.1657E-07
12	10.41		0.5340	1.7473%	5340	1089	4.9	1			1.0000E-04
13	10.67	D-BHC	0.0133	0.0437%	135889	41421	3.3	1	13	0	9.8210E-08
14	11.03		4.6001	15.0530%	46001	9033	5.1	1			1.0000E-04
15	11.82		0.3989	1.3055%	3989	812	4.9	1			1.0000E-04
16	12.65		0.1010	0.3305%	1010	268	3.8	1			1.0000E-04
17	12.97	G-CHLORDANE	0.0195	0.0637%	234552	52655	4.5	2	17	0	8.3021E-08
18	13.37	A-CHLORDANE	0.0199	0.0650%	238518	53108	4.5	2	18	0	8.3261E-08
19	13.96	DDE	0.0201	0.0658%	201887	48771	4.1	2	19	0	9.9602E-08
20	15.06		0.5226	1.7103%	5226	257	20.3	1			1.0000E-04
21	15.47	DDD	0.0243	0.0795%	128932	26645	4.8	1	21	0	1.8831E-07
22	15.91		0.4685	1.5332%	4685	522	9.0	1			1.0000E-04
23	16.94	END ALDEHYDE	0.0297	0.0971%	233391	38106	6.1	1	23	0	1.2709E-07
24	17.40	END SULFATE	0.0280	0.0916%	210888	35447	5.9	1	24	0	1.3273E-07
25	17.96		1.0628	3.4779%	10628	1521	7.0	1			1.0000E-04
26	19.47		0.1215	0.3977%	1215	151	8.1	1			1.0000E-04
27	20.18		0.2399	0.7850%	2399	333	7.2	1			1.0000E-04
28	20.99		4.3881	14.3593%	43881	6988	6.3	1			1.0000E-04
29	21.15		13.8828	45.4289%	138828	21374	6.5	1			1.0000E-04
30	26.95		0.2046	0.6695%	2046	194	10.5	1			1.0000E-04
31	27.62		1.9638	6.4261%	19638	523	37.6	1			1.0000E-04
32	30.09	DCB	0.0278	0.0911%	433733	28115	15.4	1	32	0	6.4160E-08

TOTAL AMOUNT = 30.5593

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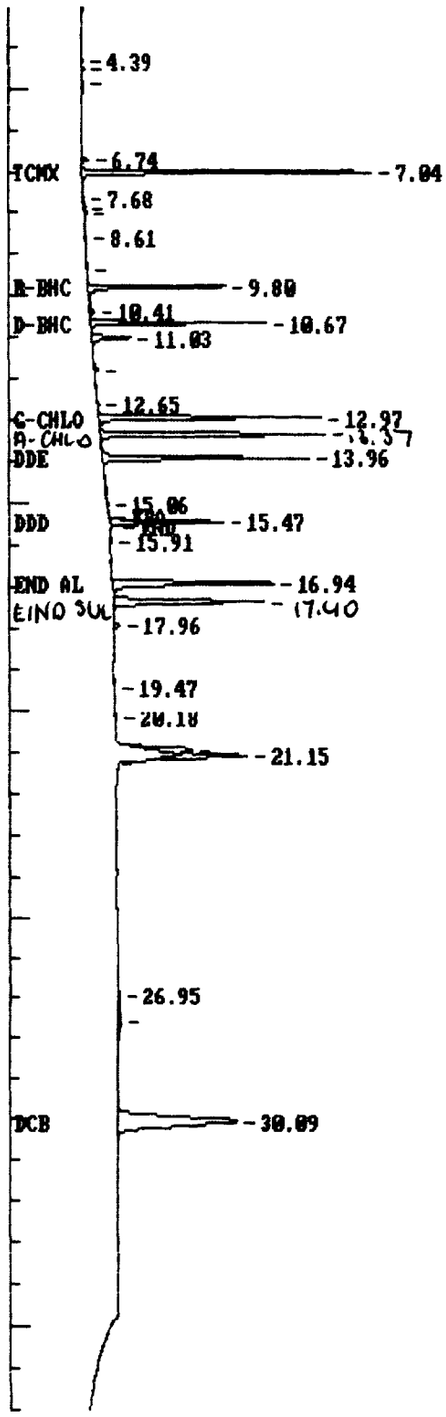
PRIMARY COLUMN

Data File = J:1HOD36.PTS Printed on 05-28-1993 at 13:05:32
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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PRIMARY COLUMN

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****** EXTERNAL STANDARD TABLE ******
******************** 05-28-1993 13:06:23 Version 4.1 **********************
* Sample Name: PEST B L3 #3                    Data File: J:1HOD44        *
* Date: 05-26-1993 22:01:44 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  44   Operator KM  Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                  SCRN:          *   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:       500                     One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Sample Weight:          1.000000
```

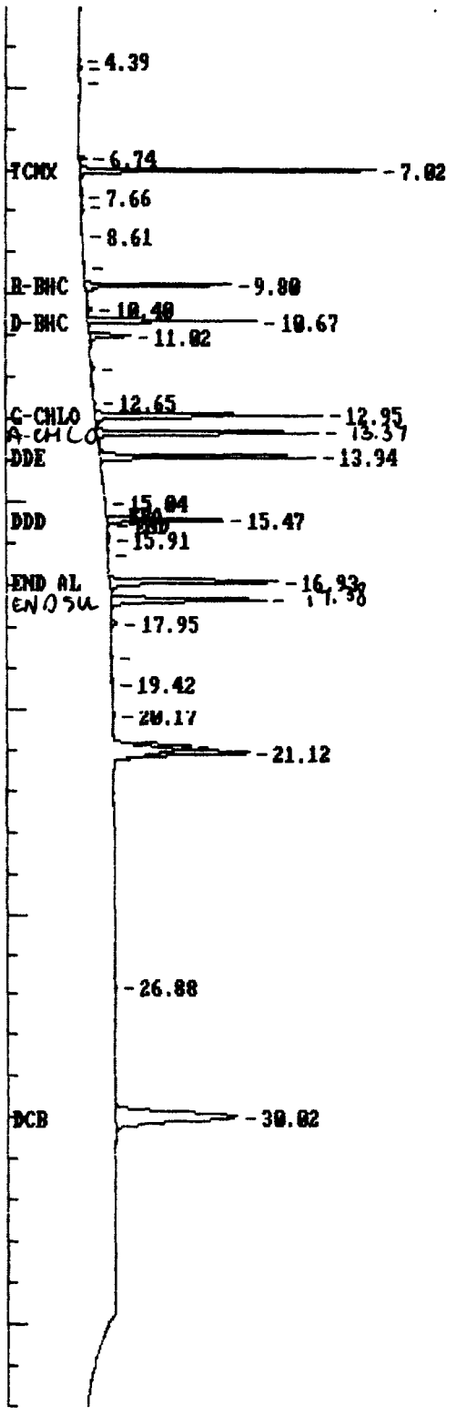
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/mL	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.39		0.1470	0.4930%	1470	349	4.2	2			1.0000E-04
2	4.55		0.3242	1.0870%	3242	706	4.6	2			1.0000E-04
3	4.90		0.1901	0.6373%	1901	311	6.1	1			1.0000E-04
4	6.74		0.6488	2.1753%	6488	1771	3.7	1			1.0000E-04
5	7.02	TCMX	0.0168	0.0563%	257814	70205	3.7	1	5	0	6.5094E-08
6	7.66		0.2450	0.8214%	2450	408	6.0	1			1.0000E-04
7	7.91		0.0918	0.3077%	918	309	3.0	1			1.0000E-04
8	8.61		0.0884	0.2963%	884	280	3.2	1			1.0000E-04
9	9.41		0.2398	0.8039%	2398	285	8.4	1			1.0000E-04
10	9.80	B-BHC	0.0149	0.0499%	127591	34525	3.7	1	10	0	1.1657E-07
11	10.40		0.5461	1.8308%	5461	1153	4.7	1			1.0000E-04
12	10.67	D-BHC	0.0139	0.0464%	141051	40093	3.5	1	12	0	9.8210E-08
13	11.02		4.8057	16.1117%	48057	9673	5.0	1			1.0000E-04
14	11.82		0.3681	1.2342%	3681	744	4.9	1			1.0000E-04
15	12.65		0.0531	0.1780%	531	299	1.8	1			1.0000E-04
16	12.95	G-CHLORDANE	0.0198	0.0663%	238306	53773	4.4	2	16	0	8.3021E-08
17	13.37	A-CHLORDANE	0.0202	0.0676%	242321	52414	4.6	2	17	0	8.3261E-08
18	13.94	DDE	0.0207	0.0692%	207326	51218	4.0	1	18	0	9.9602E-08
19	15.04		0.4145	1.3898%	4145	256	16.2	1			1.0000E-04
20	15.47	DDD	0.0259	0.0868%	137410	27612	5.0	1	20	0	1.8831E-07
21	15.91		0.5288	1.7729%	5288	604	8.8	1			1.0000E-04
22	16.29		0.1623	0.5442%	1623	213	7.6	1			1.0000E-04
23	16.93	END ALDEHYDE	0.0310	0.1038%	243672	39796	6.1	1	23	0	1.2709E-07
24	17.38	END SULFATE	0.0289	0.0970%	217969	36558	6.0	1	24	0	1.3273E-07
25	17.95		1.0748	3.6034%	10748	1539	7.0	1			1.0000E-04
26	18.76		0.1436	0.4814%	1436	194	7.4	1			1.0000E-04
27	19.42		0.1133	0.3798%	1133	161	7.0	1			1.0000E-04
28	20.17		0.2719	0.9116%	2719	358	7.6	1			1.0000E-04
29	20.95		4.2352	14.1989%	42352	7276	5.8	1			1.0000E-04
30	21.12		14.5783	48.8757%	145783	22141	6.6	1			1.0000E-04
31	26.88		0.3364	1.1277%	3364	281	12.0	1			1.0000E-04
32	30.02	DCB	0.0283	0.0949%	441125	28911	15.3	1	32	0	6.4160E-08

TOTAL AMOUNT = 29.8274

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD44.PTS Printed on 05-28-1993 at 13:07:11
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

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

```
******************** 06-26-1993 13:27:08 Version 4.1 *********************
* Sample Name: PEST B L3 #4                          Data File: J:1HOD49    *
* Date: 06-24-1993 16:21:32 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  49   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500             *
****************************************************************************
* Instrument Type: HP 5890  #5           Column Type: DB608/DB5 MEGABORE   *
*               Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*              Detector 0: DB608 QUAN        Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D LANDFILL                    SCRN:          *   *
****************************************************************************
Starting Delay:   3.00                     Ending retention time:   37.00
Area reject:      500                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:       1.00
Sample Weight:          1.000000
```

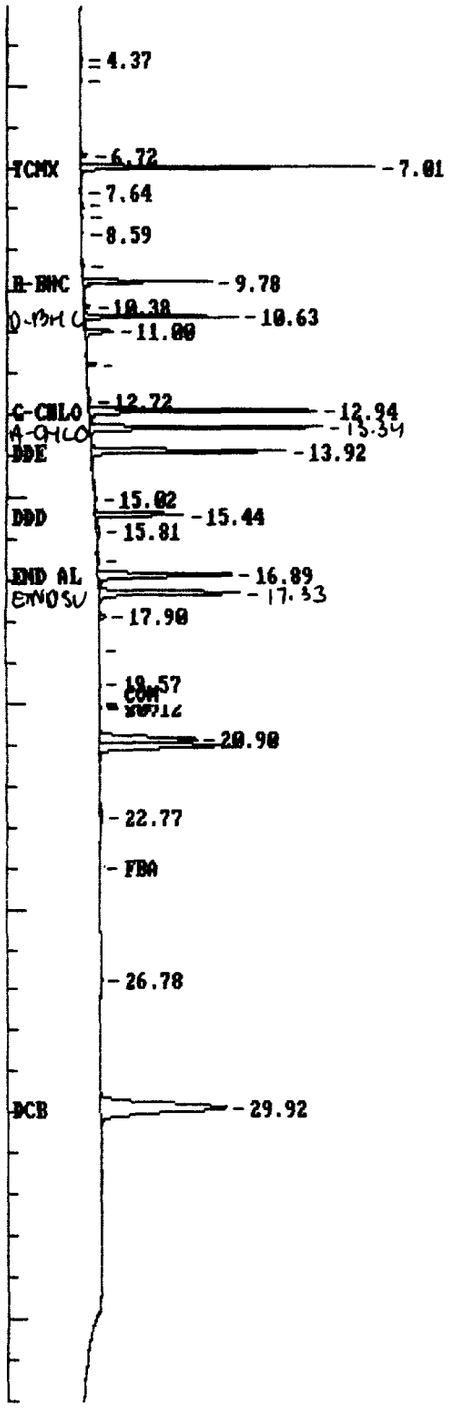
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.37		0.1419	0.2384%	1419	355	4.0	1			1.0000E-04
2	4.54		0.1845	0.3098%	1845	419	4.4	1			1.0000E-04
3	4.90		0.1252	0.2104%	1253	225	5.6	1			1.0000E-04
4	6.72		0.6812	1.1441%	6812	1827	3.7	1			1.0000E-04
5	7.01	TCMX	0.0157	0.0264%	250674	69735	3.6	1	5	0	6.2708E-08
6	7.64		0.1252	0.2104%	1253	200	6.3	1			1.0000E-04
7	7.89		0.0810	0.1360%	810	306	2.6	1			1.0000E-04
8	8.19		0.2717	0.4564%	2717	546	5.0	1			1.0000E-04
9	8.59		0.1041	0.1748%	1041	333	3.1	1			1.0000E-04
10	9.38		0.2667	0.4480%	2667	487	5.5	1			1.0000E-04
11	9.78	B-BHC	0.0132	0.0222%	113223	30389	3.7	1	11	0	1.1686E-07
12	10.38		0.6590	1.1068%	6590	1390	4.7	1			1.0000E-04
13	10.63	D-BHC	0.0125	0.0210%	125979	36268	3.5	1	13	0	9.9277E-08
14	11.00		3.8985	6.5478%	38985	6666	5.8	1			1.0000E-04
15	11.80		0.8181	1.3741%	8181	2004	4.1	1			1.0000E-04
16	12.72		0.3275	0.5501%	3275	467	7.0	1			1.0000E-04
17	12.94	G-CHLORDANE	0.0193	0.0324%	244844	53906	4.5	1	17	0	7.8907E-08
18	13.34	A-CHLORDANE	0.0196	0.0329%	246793	54836	4.5	1	18	0	7.9364E-08
19	13.92	DDE	0.0198	0.0332%	194247	45962	4.2	1	19	0	1.0170E-07
20	15.02		0.1771	0.2974%	1771	286	6.2	1			1.0000E-04
21	15.44	DDD	0.0196	0.0329%	98102	20705	4.7	1	21	0	1.9941E-07
22	15.81		0.9216	1.5478%	9216	675	13.7	1			1.0000E-04
23	16.54		0.3609	0.6062%	3609	591	6.1	1			1.0000E-04
24	16.89	END ALDEHYDE	0.0259	0.0435%	203133	31647	6.4	1	24	0	1.2763E-07
25	17.33	ENDO SULFATE	0.0258	0.0434%	205132	33293	6.2	1	25	0	1.2587E-07
26	17.90		1.1438	1.9210%	11438	1641	7.0	1			1.0000E-04
27	18.73		0.2113	0.3549%	2113	282	7.5	1			1.0000E-04
28	19.57		0.4772	0.8014%	4772	242	19.7	2			1.0000E-04
29	20.12		0.4404	0.7397%	4404	448	9.8	2			1.0000E-04
30	20.90		20.3066	34.1058%	203066	23219	8.7	2			1.0000E-04
31	21.05		26.1468	43.9147%	261468	28706	9.1	2			1.0000E-04
32	22.77		1.0928	1.8355%	10928	381	28.7	1			1.0000E-04
33	26.78		0.3776	0.6341%	3776	316	11.9	1			1.0000E-04
34	29.92	DCB	0.0278	0.0466%	464810	29863	15.6	1	34	0	5.9716E-08

TOTAL AMOUNT = 59.5400

KM
6-26-93

PRIMARY COLUMN

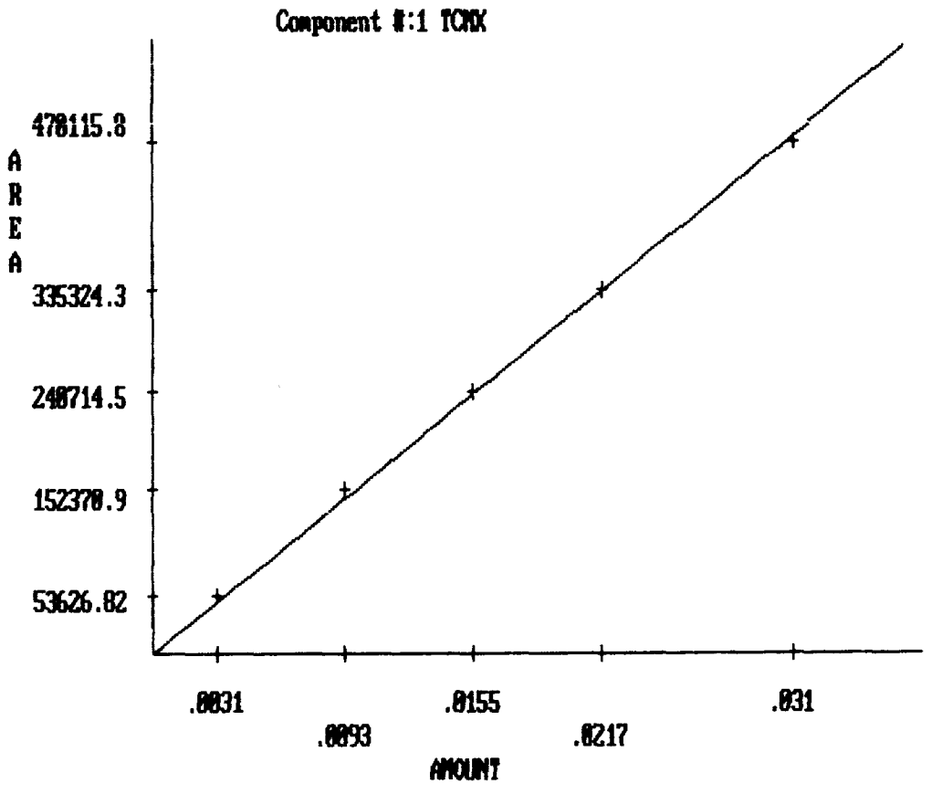
Areas, times, and heights stored in: J:1HOD49.ATB
Data File = J:1HOD49.PTS Printed on 06-26-1993 at 13:27:54
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

PRIMARY COLUMN

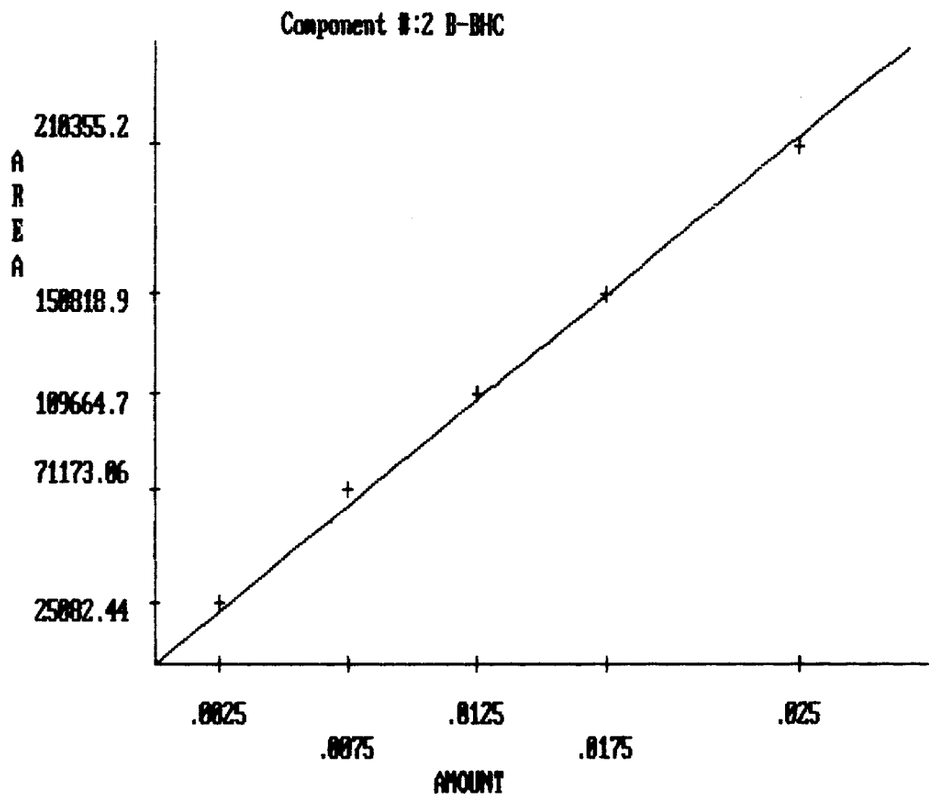
Method J:1PESTB uh
Sample PEST B METHOD DB-608 COLUMN
Operator KM
Run date 05-26-1993 14:41:15 version: 558
Printed on 05-26-1993 AT 14:51:57
Straight Line Fit forced through Origin.



Component 1 = TCMX
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0031	53627
2	0.0093	152371
3	0.0155	240715
4	0.0217	335324
5	0.0310	470116

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 1.5362E+07 * Amount + 0.0000E+00
Amount = 6.5094E-08 * Area + 0.0000E+00
Correlation Coefficient = 0.9996



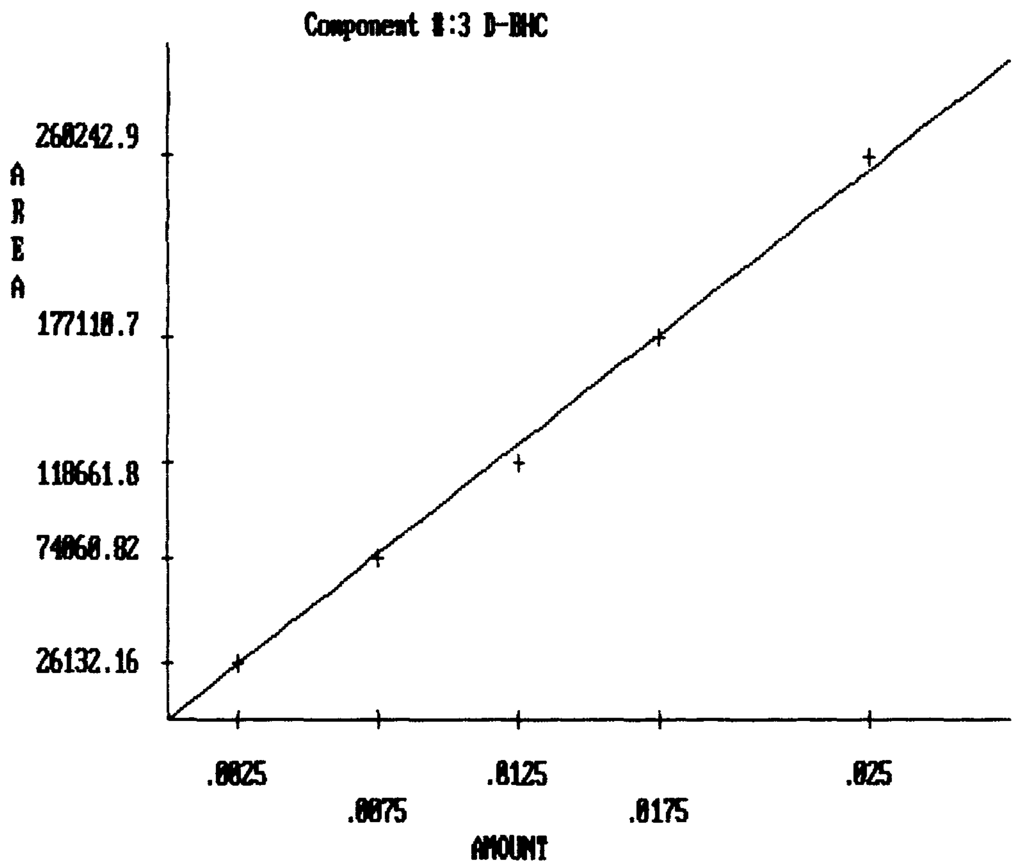
Component 2 = B-BHC
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0025	25082
2	0.0075	71173
3	0.0125	109665
4	0.0175	150819
5	0.0250	210355

Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

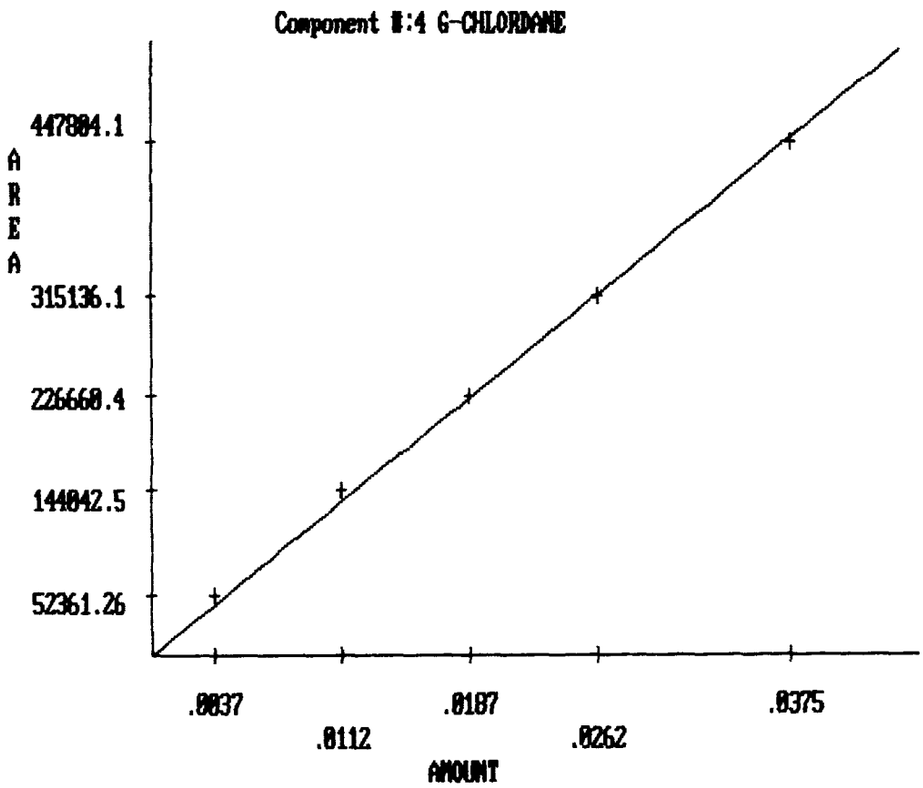
Area = 8.5787E+06 * Amount + 0.0000E+00
Amount = 1.1657E-07 * Area + 0.0000E+00
Correlation Coefficient = 0.9990



Component 3 = D-BHC
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0025	26132
2	0.0075	74061
3	0.0125	118662
4	0.0175	177111
5	0.0250	260243

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 1.0182E+07 * Amount + 0.0000E+00
Amount = 9.8210E-08 * Area + 0.0000E+00
Correlation Coefficient = 0.9990



Component 4 = G-CHLORDANE
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0037	52361
2	0.0112	144043
3	0.0187	226660
4	0.0262	315136
5	0.0375	447804

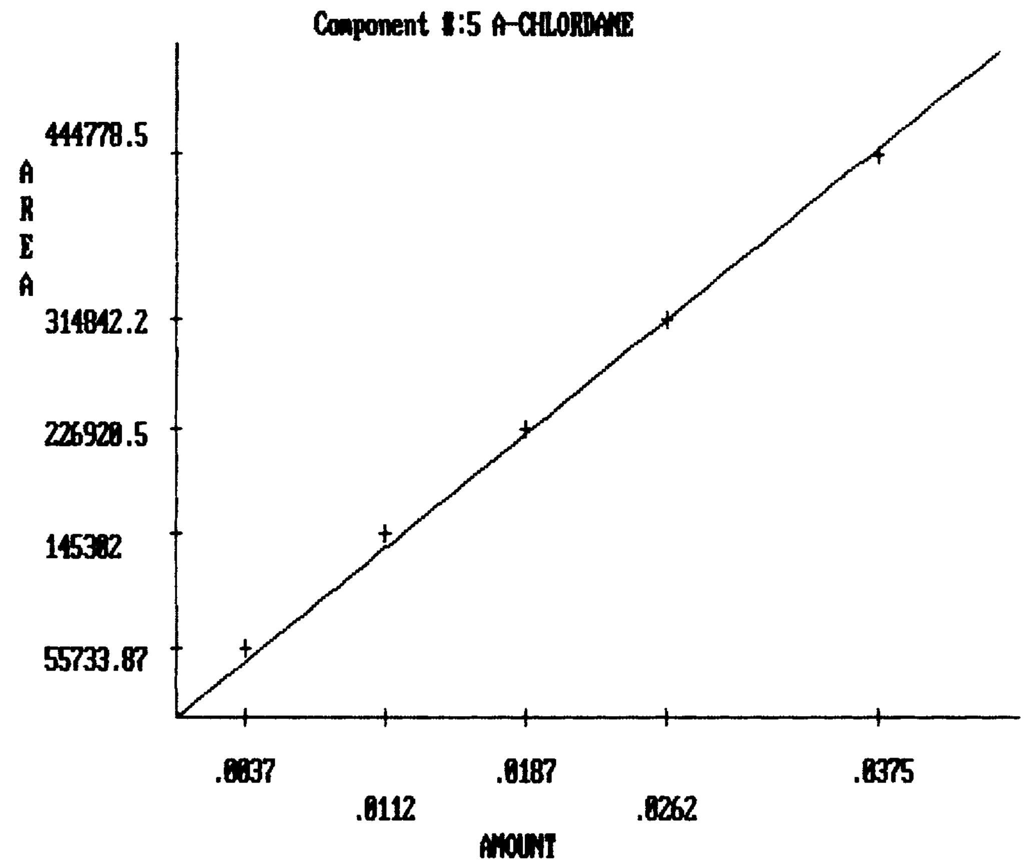
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.2045E+07 * Amount + 0.0000E+00

Amount = 8.3021E-08 * Area + 0.0000E+00

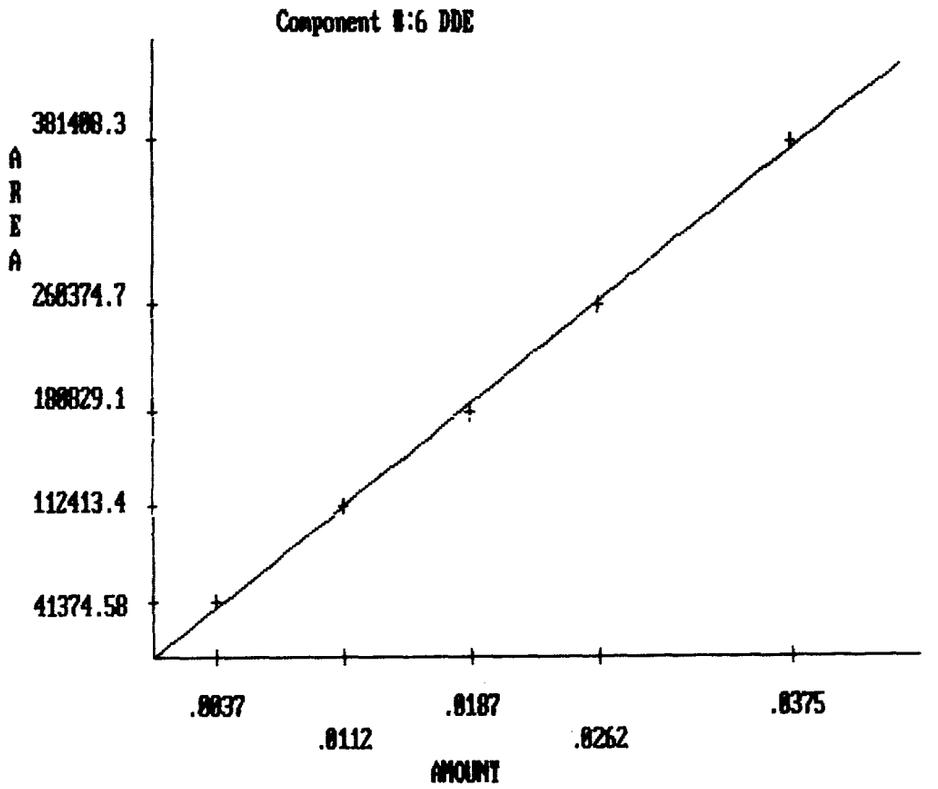
Correlation Coefficient = 0.9996



Component 5 = A-CHLORDANE
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0037	55734
2	0.0112	145302
3	0.0187	226921
4	0.0262	314842
5	0.0375	444779

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 1.2010E+07 * Amount + 0.0000E+00
Amount = 8.3261E-08 * Area + 0.0000E+00
Correlation Coefficient = 0.9992



Component 6 = DDE
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0037	41375
2	0.0112	112413
3	0.0187	180829
4	0.0262	260375
5	0.0375	381408

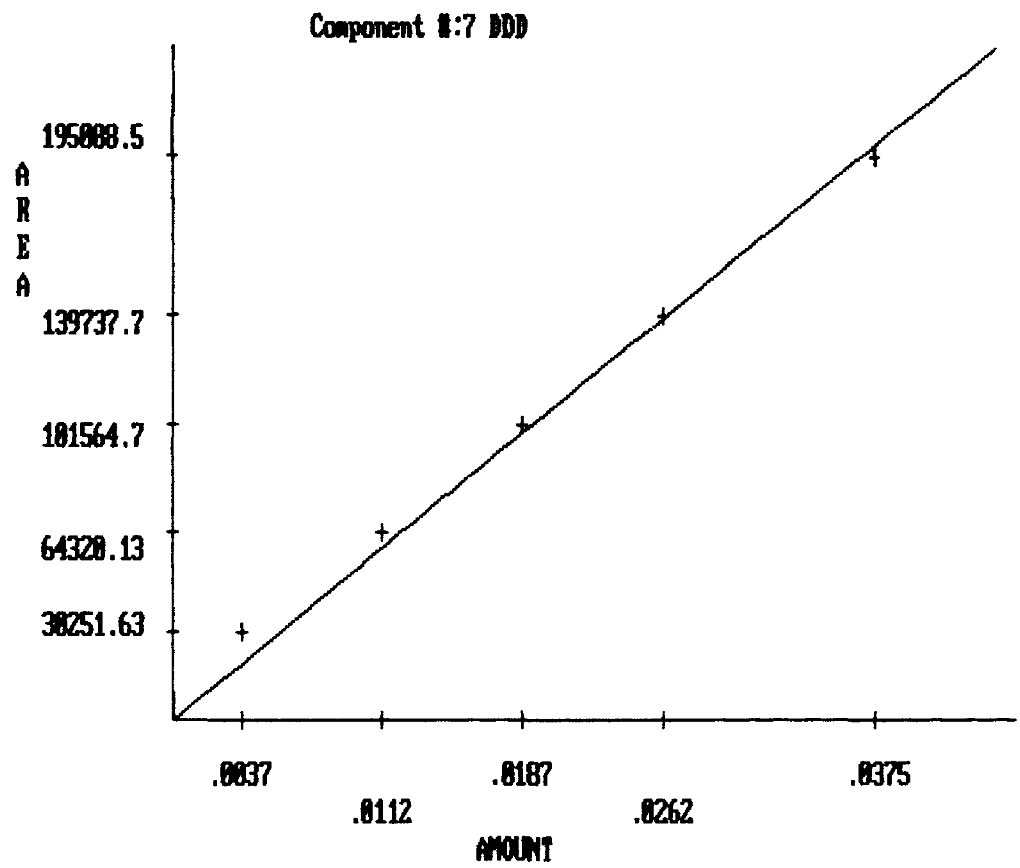
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.0040E+07 * Amount + 0.0000E+00

Amount = 9.9602E-08 * Area + 0.0000E+00

Correlation Coefficient = 0.9996



Component 7 = DDD

EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0037	30252
2	0.0112	64320
3	0.0187	101565
4	0.0262	139738
5	0.0375	195089

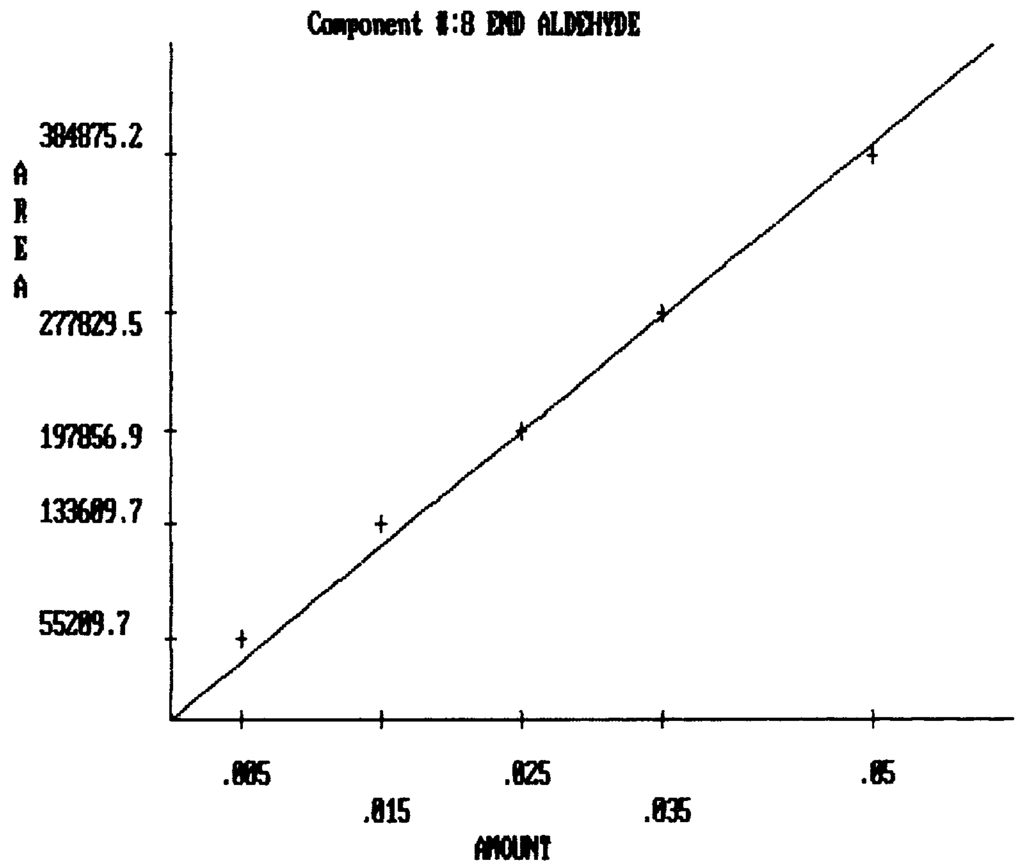
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 5.3103E+06 * Amount + 0.0000E+00

Amount = 1.8831E-07 * Area + 0.0000E+00

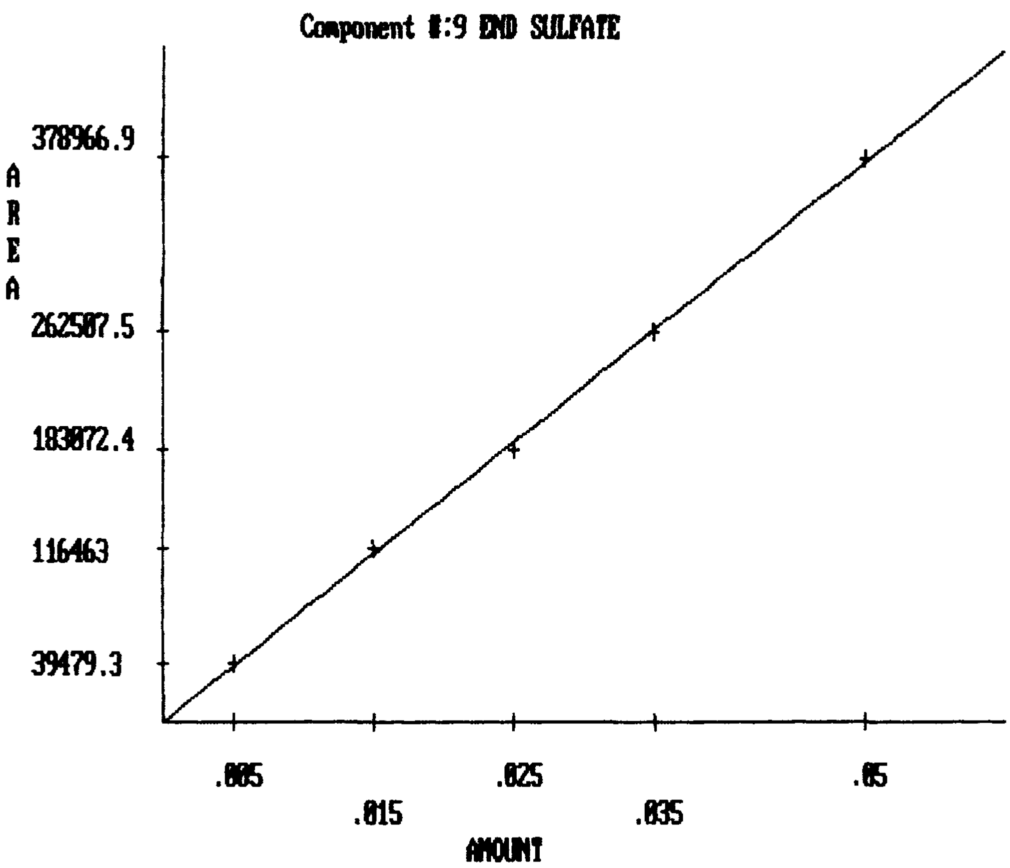
Correlation Coefficient = 0.9978



Component 8 = END ALDEHYDE
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0050	55210
2	0.0150	133610
3	0.0250	197857
4	0.0350	277830
5	0.0500	384875

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area = 7.8683E+06 * Amount + 0.0000E+00
Amount = 1.2709E-07 * Area + 0.0000E+00
Correlation Coefficient = 0.9980



Component 9 = END SULFATE

EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0050	39479
2	0.0150	116463
3	0.0250	183072
4	0.0350	262508
5	0.0500	378967

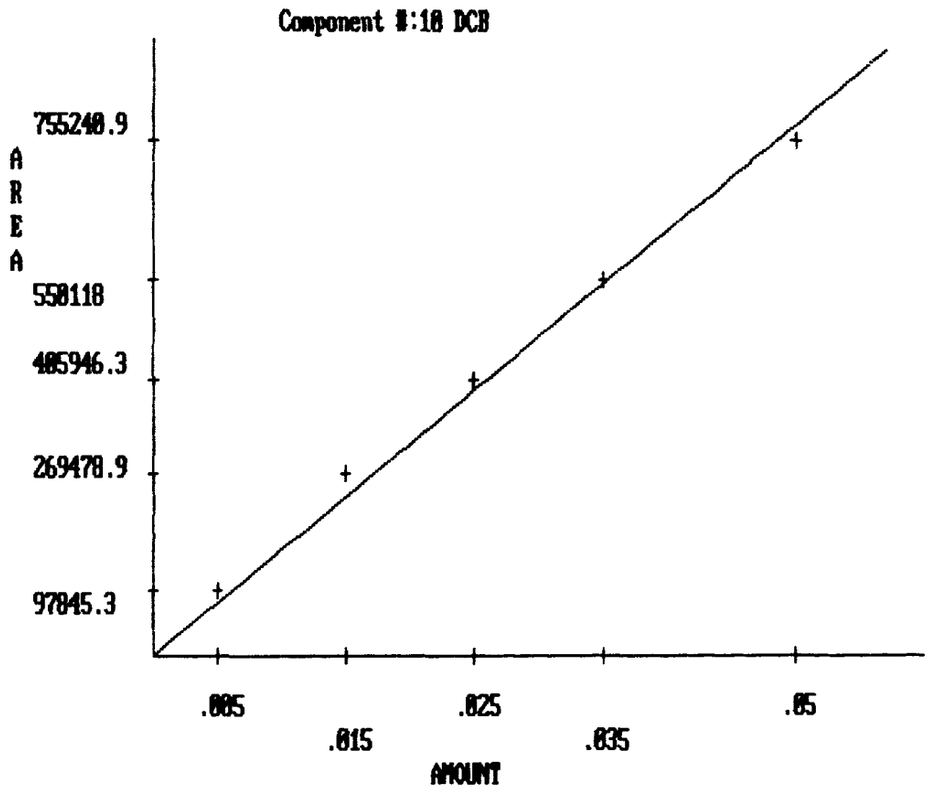
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 7.5342E+06 * Amount + 0.0000E+00

Amount = 1.3273E-07 * Area + 0.0000E+00

Correlation Coefficient = 0.9998



Component 10 = DCB
EXTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA
1	0.0050	97845
2	0.0150	269479
3	0.0250	405946
4	0.0350	550118
5	0.0500	755241

Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area = 1.5586E+07 * Amount + 0.0000E+00

Amount = 6.4160E-08 * Area + 0.0000E+00

Correlation Coefficient = 0.9977

SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 14:11:22 Version 4.1 **********************
* Sample Name: PEST B L1                          Data File: J:2HOD10      *
* Date: 05-25-1993 22:35:28 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  10   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN               *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF     *
* Misc. Information: H.O.D. LANDFILL                      H.O.D. LANDFILL  *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.29		0.0000	0.0023%	5527	237	23.3	1		32		2.0952E-10
2	4.65		0.0000	0.0004%	924	212	4.4	1		32		2.0952E-10
3	5.17		0.0000	0.0033%	7944	2122	3.7	1		32		2.0952E-10
4	6.01		0.0000	0.0030%	7101	2149	3.3	1		32		2.0952E-10
5	6.52		0.0000	0.0004%	853	180	4.8	1		32		2.0952E-10
6	6.86		0.0000	0.0004%	889	244	3.6	1		32		2.0952E-10
7	7.07	TCMX	0.0038	7.5809%	123391	33911	3.6	1	32	32	0	3.0715E-08
8	7.53		0.0000	0.0006%	1380	190	7.3	1		32		2.0952E-10
9	7.76		0.0000	0.0008%	2024	407	5.0	1		32		2.0952E-10
10	8.44	B-BHC	0.0032	6.4145%	63306	16216	3.9	3	32	32	0	5.0655E-08
11	8.86		0.0000	0.0003%	802	201	4.0	4		32		2.0952E-10
12	9.06	D-BHC	0.0025	4.9425%	63037	17739	3.6	3	32	32	0	3.9197E-08
13	9.30		0.0000	0.0001%	356	111	3.2	4		32		2.0952E-10
14	9.58		0.0000	0.0015%	3537	1025	3.4	2		32		2.0952E-10
15	9.68		0.0000	0.0046%	11067	2110	5.2	2		32		2.0952E-10
16	10.10		0.0000	0.0020%	4669	1045	4.5	1		32		2.0952E-10
17	10.46		0.0000	0.0056%	13297	2774	4.8	2		32		2.0952E-10
18	10.83		0.0000	0.0105%	25164	7181	3.5	2		32		2.0952E-10
19	11.68		0.0000	0.0010%	2276	760	3.0	1		32		2.0952E-10
20	12.34	G-CHLOR	0.0046	9.1544%	141315	32283	4.4	1	32	32	0	3.2385E-08
21	12.69	A-CHLOR	0.0045	9.0579%	139315	31428	4.4	2	32	32	-.1314	3.2504E-08
22	12.87		0.0000	0.0013%	3185	760	4.2	2		32		2.0952E-10
23	13.05	DDE	0.0038	7.6344%	98073	23160	4.2	2	32	32	0	3.8916E-08
24	14.09	DDD	0.0040	8.0304%	85083	18566	4.6	2	32	32	0	4.7185E-08
25	14.47	END ALD	0.0063	12.6663%	135673	23219	5.8	2	32	32	0	4.6673E-08
26	14.82		0.0000	0.0152%	36358	4996	7.3	2		32		2.0952E-10
27	15.09	END SULFATE	0.0052	10.4378%	94890	19228	4.9	2	32	32	0	5.4991E-08
28	15.76		0.0000	0.0066%	15819	1713	9.2	2		32		2.0952E-10
29	16.14		0.0000	0.0008%	1849	316	5.9	2		32		2.0952E-10
30	16.53	END KETONE	0.0052	10.4846%	139115	25973	5.4	1	32	32	0	3.7678E-08
31	17.45		0.0000	0.0062%	14751	2056	7.2	1		32		2.0952E-10
32	18.78	MIREX	1.0000	0.0000%	477271	62928	7.6	1	32	32	0	2.0952E-06

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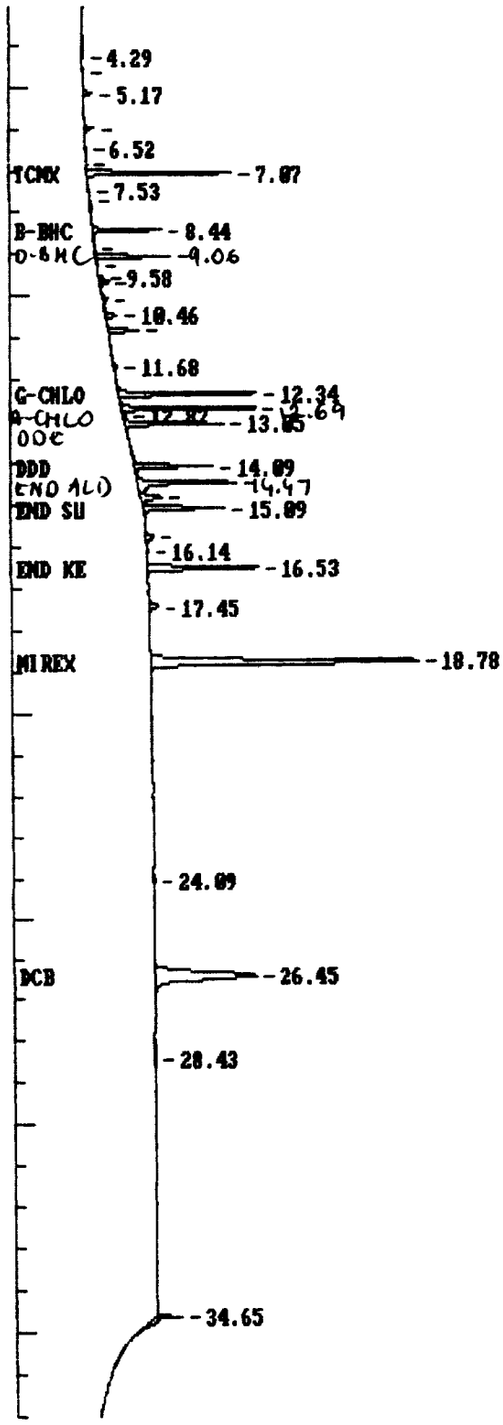
33	24.9[illegible]		0.0000	0.001[illegible]%	[illegible]	336	11.7	1		32		2.0952E-10
34	26.45	DCB	0.0068	13.5091%	310448	23815	13.0	1	32	32	0	2.1754E-08
35	28.43		0.0000	0.0049%	11743	231	50.7	1		32		2.0952E-10
36	34.65		0.0000	0.0138%	32988	6388	5.2	1		32		2.0952E-10

TOTAL AMOUNT = 0.0500

SECONDARY COLUMN

Data File = J:2HOD10.PTS Printed on 05-26-1993 at 14:12:11
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-26-1993 14:13:03 Version 4.1 **********

* Sample Name: PEST B L2 Data File: J:2HOD11 *
* Date: 05-25-1993 23:17:04 Method: J:2PESTBI 05-26-1993 14:10:49 # 602*
* Interface: 0 Cycle#: 11 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.29		0.0000	0.0008%	5583	184	30.3	1		30		2.0763E-10
2	4.67		0.0000	0.0004%	2612	599	4.4	1		30		2.0763E-10
3	4.99		0.0000	0.0002%	1081	275	3.9	1		30		2.0763E-10
4	5.17		0.0000	0.0015%	9989	2519	4.0	1		30		2.0763E-10
5	6.01		0.0000	0.0033%	21742	5866	3.7	1		30		2.0763E-10
6	7.07	TCMX	0.0104	7.4783%	340273	87510	3.9	2	30	30	0	3.0437E-08
7	7.53		0.0000	0.0006%	3724	450	8.3	2		30		2.0763E-10
8	7.76		0.0000	0.0006%	4208	1085	3.9	1		30		2.0763E-10
9	8.44	B-BHC	0.0084	6.0356%	166521	46360	3.6	3	30	30	0	5.0198E-08
10	8.86		0.0000	0.0000%	173	82	2.1	4		30		2.0763E-10
11	9.08	D-BHC	0.0072	5.2301%	186477	53816	3.5	3	30	30	.1842	3.8843E-08
12	9.31		0.0000	0.0001%	728	215	3.4	4		30		2.0763E-10
13	9.60		0.0000	0.0028%	18954	2044	9.3	1		30		2.0763E-10
14	10.10		0.0000	0.0009%	6038	1002	6.0	1		30		2.0763E-10
15	10.48		0.0000	0.0030%	20060	4227	4.7	2		30		2.0763E-10
16	10.83		0.0000	0.0025%	16663	4795	3.5	2		30		2.0763E-10
17	11.68		0.0000	0.0004%	2766	1161	2.4	1		30		2.0763E-10
18	12.35	G-CHLOR	0.0124	8.9236%	385089	89057	4.3	1	30	30	.1353	3.2093E-08
19	12.70	A-CHLOR	0.0123	8.8576%	380846	89113	4.3	1	30	30	0	3.2211E-08
20	13.07	DDE	0.0112	8.1090%	291210	72493	4.0	1	30	30	.1279	3.8565E-08
21	13.79		0.0000	0.0008%	5144	811	6.3	2		30		2.0763E-10
22	14.09	DDD	0.0114	8.2636%	244758	56763	4.3	2	30	30	0	4.6759E-08
23	14.49	END ALD	0.0170	12.2498%	366805	61023	6.0	3	30	30	.1153	4.6251E-08
24	14.87		0.0000	0.0058%	38482	5445	7.1	4		30		2.0763E-10
25	15.09	END SULFATE	0.0152	10.9838%	279143	57653	4.8	2	30	30	0	5.4495E-08
26	15.83		0.0000	0.0017%	11499	1531	7.5	1		30		2.0763E-10
27	16.16		0.0000	0.0005%	3557	696	5.1	1		30		2.0763E-10
28	16.54	END KETONE	0.0154	11.1545%	413746	77004	5.4	1	30	30	.1010	3.7338E-08
29	17.45		0.0000	0.0034%	22967	3210	7.2	1		30		2.0763E-10
30	18.78	MIREX	1.0000	0.0000%	481618	63198	7.6	1	30	30	0	2.0763E-06
31	24.09		0.0000	0.0012%	8277	736	11.2	1		30		2.0763E-10
32	24.45	DCB	0.0174	12.6289%	814790	61140	13.3	1	30	30	0	2.1558E-08

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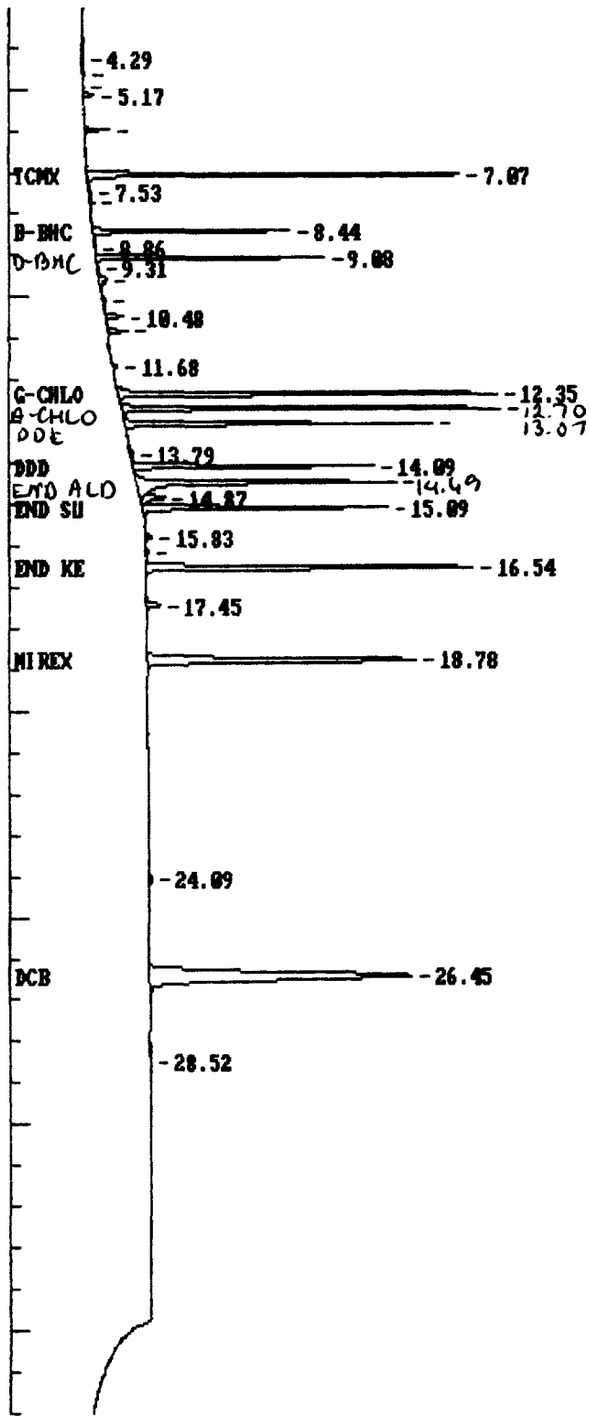
33	28.52	[illegible]	0.0007%	[illegible]	94	46.6	[illegible]	2.0763E-10

TOTAL AMOUNT = 0.1385

SECONDARY COLUMN

Data File = J:2HOD11.PTS Printed on 05-26-1993 at 14:13:52
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-26-1993 14:14:46 Version 4.1 **********************
* Sample Name: PEST B L3                          Data File: J:2HOD12      *
* Date: 05-25-1993 23:58:38 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  12   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*             ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF   *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/~~L~~ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.99		0.0000	0.0002%	1613	117	13.8	1		31		2.0951E-10
2	4.67		0.0000	0.0004%	3941	903	4.4	1		31		2.0951E-10
3	4.99		0.0000	0.0002%	1592	405	3.9	1		31		2.0951E-10
4	5.17		0.0000	0.0010%	10704	2734	3.9	1		31		2.0951E-10
5	6.01		0.0000	0.0030%	31288	9065	3.5	1		31		2.0951E-10
6	6.52		0.0000	0.0001%	906	167	5.4	1		31		2.0951E-10
7	6.87		0.0000	0.0002%	2040	436	4.7	2		31		2.0951E-10
8	7.07	TCMX	0.0162	7.3901%	526452	136624	3.9	2	31	31	0	3.0712E-08
9	7.53		0.0000	0.0005%	5339	774	6.9	2		31		2.0951E-10
10	7.76		0.0000	0.0006%	6291	1733	3.6	2		31		2.0951E-10
11	8.44	B-BHC	0.0130	5.9547%	257213	70357	3.7	2	31	31	0	5.0651E-08
12	9.08	D-BHC	0.0121	5.5164%	307933	86052	3.6	2	31	31	0	3.9194E-08
13	9.31		0.0000	0.0001%	1559	397	3.9	2		31		2.0951E-10
14	9.60		0.0000	0.0013%	13428	2604	5.2	1		31		2.0951E-10
15	10.10		0.0000	0.0007%	7059	1435	4.9	1		31		2.0951E-10
16	10.38		0.0000	0.0001%	905	307	2.9	1		31		2.0951E-10
17	10.83		0.0000	0.0005%	5340	1444	3.7	2		31		2.0951E-10
18	11.68		0.0000	0.0005%	5315	1840	2.9	2		31		2.0951E-10
19	12.35	G-CHLOR	0.0194	8.8481%	597801	136567	4.4	1	31	31	0	3.2383E-08
20	12.70	A-CHLOR	0.0191	8.7334%	587898	136383	4.3	1	31	31	0	3.2501E-08
21	13.07	DDE	0.0184	8.4102%	472862	118290	4.0	1	31	31	0	3.8913E-08
22	13.79		0.0000	0.0006%	6764	1219	5.5	2		31		2.0951E-10
23	14.09	DDD	0.0186	8.4789%	393182	92980	4.2	2	31	31	0	4.7181E-08
24	14.49	END ALD	0.0259	11.8443%	555269	91600	6.1	3	31	31	0	4.6669E-08
25	14.87		0.0000	0.0049%	51337	8037	6.4	4		31		2.0951E-10
26	15.09	END SULFATE	0.0245	11.1821%	444925	93740	4.7	2	31	31	0	5.4987E-08
27	15.76		0.0000	0.0058%	61031	5777	10.6	2		31		2.0951E-10
28	16.16		0.0000	0.0013%	13054	1551	8.4	2		31		2.0951E-10
29	16.54	END KETONE	0.0251	11.4506%	664967	122110	5.4	2	31	31	0	3.7675E-08
30	17.45		0.0000	0.0029%	30273	4216	7.2	1		31		2.0951E-10
31	18.80	MIREX	1.0000	0.0000%	477312	62391	7.7	1	31	31	0	2.0951E-06
32	24.11		0.0000	0.0011%	11353	1044	10.8	1		31		2.0951E-10

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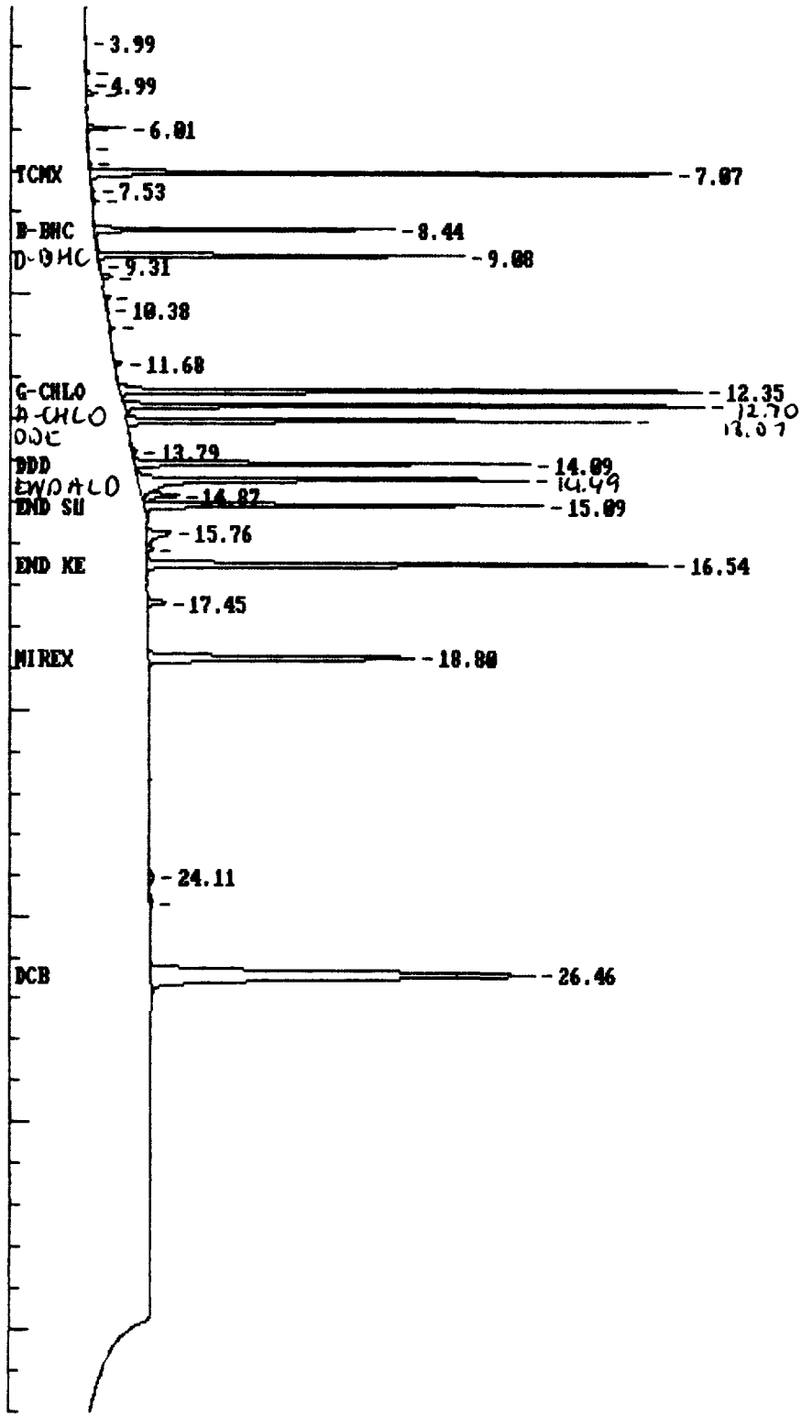
33	24.73	0.0000	0.0006%	5981	502	11.9	1		31		2.0951E-10
34	26.46 DCB	0.0266	12.1646%	1223514	90247	13.6	1	31	31	0	2.1752E-08

TOTAL AMOUNT = 0.2188

SECONDARY COLUMN

Data File = J:2HOD12.PTS Printed on 05-26-1993 at 14:15:36
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 14:16:33 Version 4.1 **********************
* Sample Name: PEST B L4                          Data File: J:2HOD13      *
* Date: 05-26-1993 00:40:17 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  13   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL    *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.99		0.0000	0.0001%	1862	137	13.6	1		34		2.0939E-10
2	4.65		0.0000	0.0004%	5429	1257	4.3	1		34		2.0939E-10
3	4.97		0.0000	0.0001%	2133	546	3.9	1		34		2.0939E-10
4	5.17		0.0000	0.0009%	13175	3437	3.8	1		34		2.0939E-10
5	6.01		0.0000	0.0028%	39833	11042	3.6	1		34		2.0939E-10
6	6.52		0.0000	0.0001%	777	180	4.3	1		34		2.0939E-10
7	6.86		0.0000	0.0000%	693	184	3.8	1		34		2.0939E-10
8	7.07	TCMX	0.0218	7.2375%	711645	187627	3.8	2	34	34	0	3.0695E-08
9	7.51		0.0000	0.0004%	6144	845	7.3	2		34		2.0939E-10
10	7.76		0.0000	0.0006%	8565	2375	3.6	1		34		2.0939E-10
11	8.26		0.0000	0.0001%	829	242	3.4	2		34		2.0939E-10
12	8.44	B-BHC	0.0176	5.8255%	347322	91512	3.8	2	34	34	0	5.0623E-08
13	9.06	D-BHC	0.0174	5.7605%	443839	125713	3.5	2	34	34	0	3.9172E-08
14	9.31		0.0000	0.0001%	2160	539	4.0	2		34		2.0939E-10
15	9.58		0.0000	0.0014%	20764	3670	5.7	1		34		2.0939E-10
16	10.10		0.0000	0.0002%	3006	792	3.8	1		34		2.0939E-10
17	10.48		0.0000	0.0005%	7623	1560	4.9	1		34		2.0939E-10
18	10.83		0.0000	0.0009%	12954	3638	3.6	2		34		2.0939E-10
19	11.18		0.0000	0.0001%	1387	218	6.4	2		34		2.0939E-10
20	11.68		0.0000	0.0006%	8554	2179	3.9	1		34		2.0939E-10
21	12.24		0.0000	0.0006%	9027	2711	3.3	2		34		2.0939E-10
22	12.35	G-CHLOR	0.0262	8.6729%	808793	181929	4.4	2	34	34	.1353	3.2365E-08
23	12.70	A-CHLOR	0.0261	8.6586%	804514	183186	4.4	1	34	34	0	3.2483E-08
24	13.07	DDE	0.0261	8.6330%	669971	164688	4.1	1	34	34	.1279	3.8891E-08
25	13.79		0.0000	0.0006%	8669	1548	5.6	2		34		2.0939E-10
26	14.09	DDD	0.0261	8.6557%	554015	131400	4.2	2	34	34	0	4.7154E-08
27	14.47	END ALD	0.0353	11.6934%	756657	127876	5.9	3	34	34	0	4.6643E-08
28	14.87		0.0000	0.0044%	63810	10039	6.4	4		34		2.0939E-10
29	15.09	END SULFATE	0.0348	11.5199%	632672	133149	4.8	2	34	34	0	5.4956E-08
30	15.83		0.0000	0.0026%	38033	4087	9.3	2		34		2.0939E-10
31	16.14		0.0000	0.0008%	11966	1669	7.2	2		34		2.0939E-10
32	16.54	END KETONE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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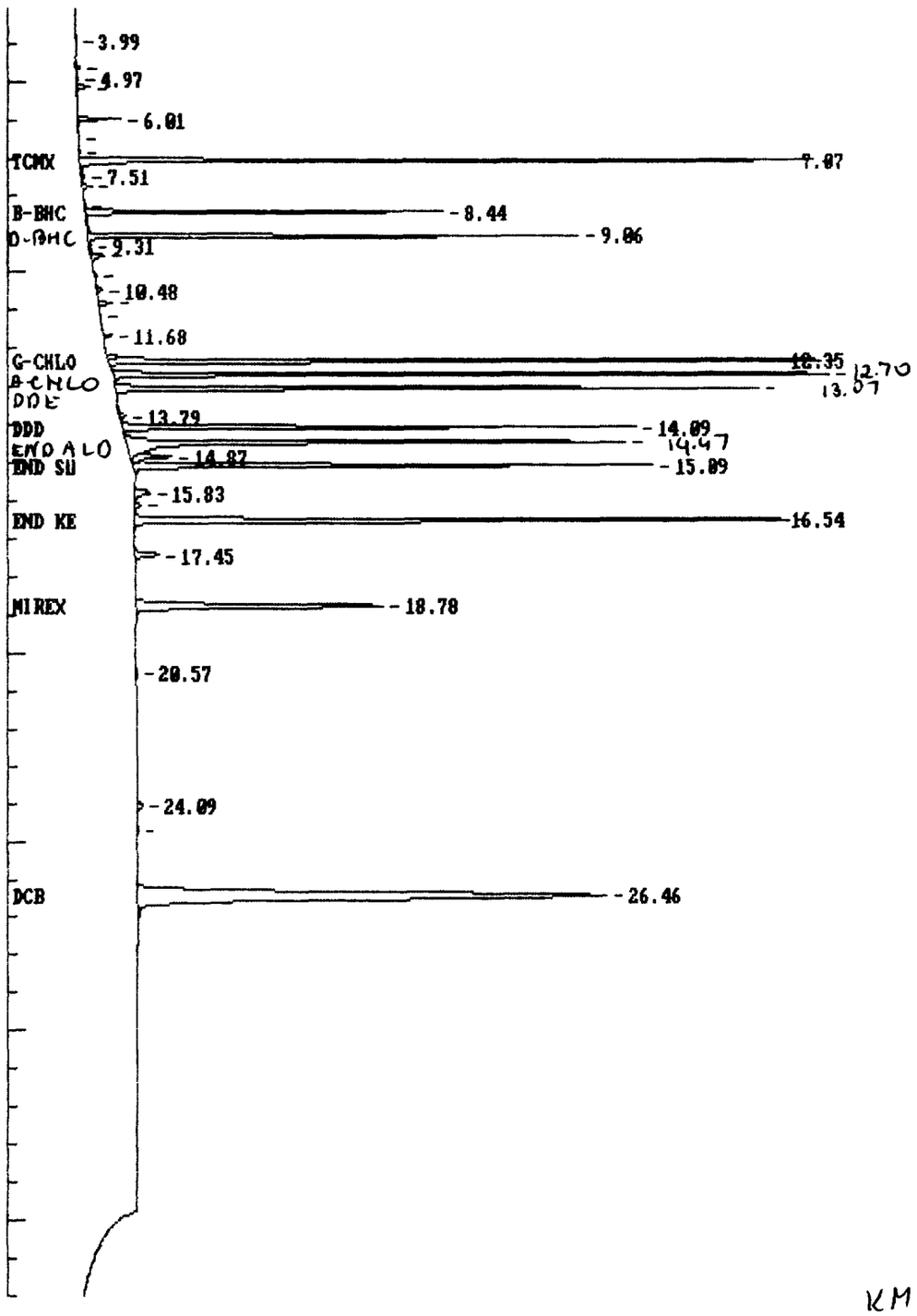
33	17.45	0.0000	[illegible]	[illegible]	[illegible]	7.2	1		34		2.0939E-10
34	18.78 MIREX	1.0000	0.0000%	477580	53144	7.6	1	34	34	0	2.0939E-06
35	20.57	0.0000	0.0001%	1338	159	8.4	1		34		2.0939E-10
36	24.09	0.0000	0.0011%	15720	1452	10.8	2		34		2.0939E-10
37	24.71	0.0000	0.0003%	3745	314	11.9	2		34		2.0939E-10
38	26.46 DCB	0.0353	11.7020%	1624564	120118	13.5	1	34	34	.1263	2.1740E-08

TOTAL AMOUNT = 0.3018

SECONDARY COLUMN

Data File = J:2HOD13.PTS Printed on 05-26-1993 at 14:17:27
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 14:18:26 Version 4.1 **********************
* Sample Name: PEST B L5                          Data File: J:2HOD14      *
* Date: 05-26-1993 01:21:46 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  14   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF      *
* Misc. Information: H.O.D. LANDFILL                      H.O.D. LANDFILL   *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.99		0.0000	0.0001%	2297	182	12.6	1		35		2.0906E-10
2	4.67		0.0000	0.0004%	7737	1786	4.3	1		35		2.0906E-10
3	4.99		0.0000	0.0001%	2863	769	3.7	2		35		2.0906E-10
4	5.17		0.0000	0.0007%	14595	3643	4.0	2		35		2.0906E-10
5	6.01		0.0000	0.0027%	54080	15859	3.4	1		35		2.0906E-10
6	6.52		0.0000	0.0000%	688	202	3.4	1		35		2.0906E-10
7	7.07	TCMX	0.0302	7.0893%	984734	253057	3.9	2	35	35	0	3.0647E-08
8	7.51		0.0000	0.0004%	7688	1064	7.2	2		35		2.0906E-10
9	7.76		0.0000	0.0006%	11495	3290	3.5	2		35		2.0906E-10
10	8.26		0.0000	0.0001%	1354	373	3.6	2		35		2.0906E-10
11	8.44	B-BHC	0.0243	5.7200%	481763	127172	3.8	2	35	35	0	5.0543E-08
12	9.06	D-BHC	0.0254	5.9609%	648802	180064	3.6	2	35	35	0	3.9111E-08
13	9.31		0.0000	0.0001%	2721	728	3.7	2		35		2.0906E-10
14	9.45		0.0000	0.0001%	2614	511	5.1	2		35		2.0906E-10
15	9.58		0.0000	0.0011%	22148	4856	4.6	2		35		2.0906E-10
16	10.10		0.0000	0.0002%	3235	819	4.0	1		35		2.0906E-10
17	10.46		0.0000	0.0005%	10218	2103	4.9	2		35		2.0906E-10
18	10.83		0.0000	0.0003%	6331	1616	3.9	2		35		2.0906E-10
19	11.18		0.0000	0.0001%	1790	302	5.9	2		35		2.0906E-10
20	11.48		0.0000	0.0000%	842	201	4.2	2		35		2.0906E-10
21	11.68		0.0000	0.0006%	11454	2739	4.2	1		35		2.0906E-10
22	12.24		0.0000	0.0007%	14204	3790	3.7	2		35		2.0906E-10
23	12.34	G-CHLOR	0.0368	8.6343%	1137460	256018	4.4	2	35	35	0	3.2314E-08
24	12.70	A-CHLOR	0.0369	8.6783%	1139093	248661	4.6	2	35	35	0	3.2432E-08
25	13.05	DDE	0.0377	8.8630%	971654	228456	4.3	1	35	35	0	3.8830E-08
26	13.79		0.0000	0.0005%	10362	2020	5.1	1		35		2.0906E-10
27	14.09	DDD	0.0375	8.8146%	797008	184465	4.3	2	35	35	0	4.7080E-08
28	14.47	END ALD	0.0486	11.4203%	1043936	179110	5.8	3	35	35	0	4.6570E-08
29	14.86		0.0000	0.0042%	84779	13331	6.4	4		35		2.0906E-10
30	15.09	END SULFATE	0.0503	11.8263%	917515	190780	4.8	2	35	35	0	5.4870E-08
31	15.83		0.0000	0.0017%	35237	5014	7.0	2		35		2.0906E-10
32	16.14		0.0000	0.0006%	13127	2078	6.4	2		35		2.0906E-10

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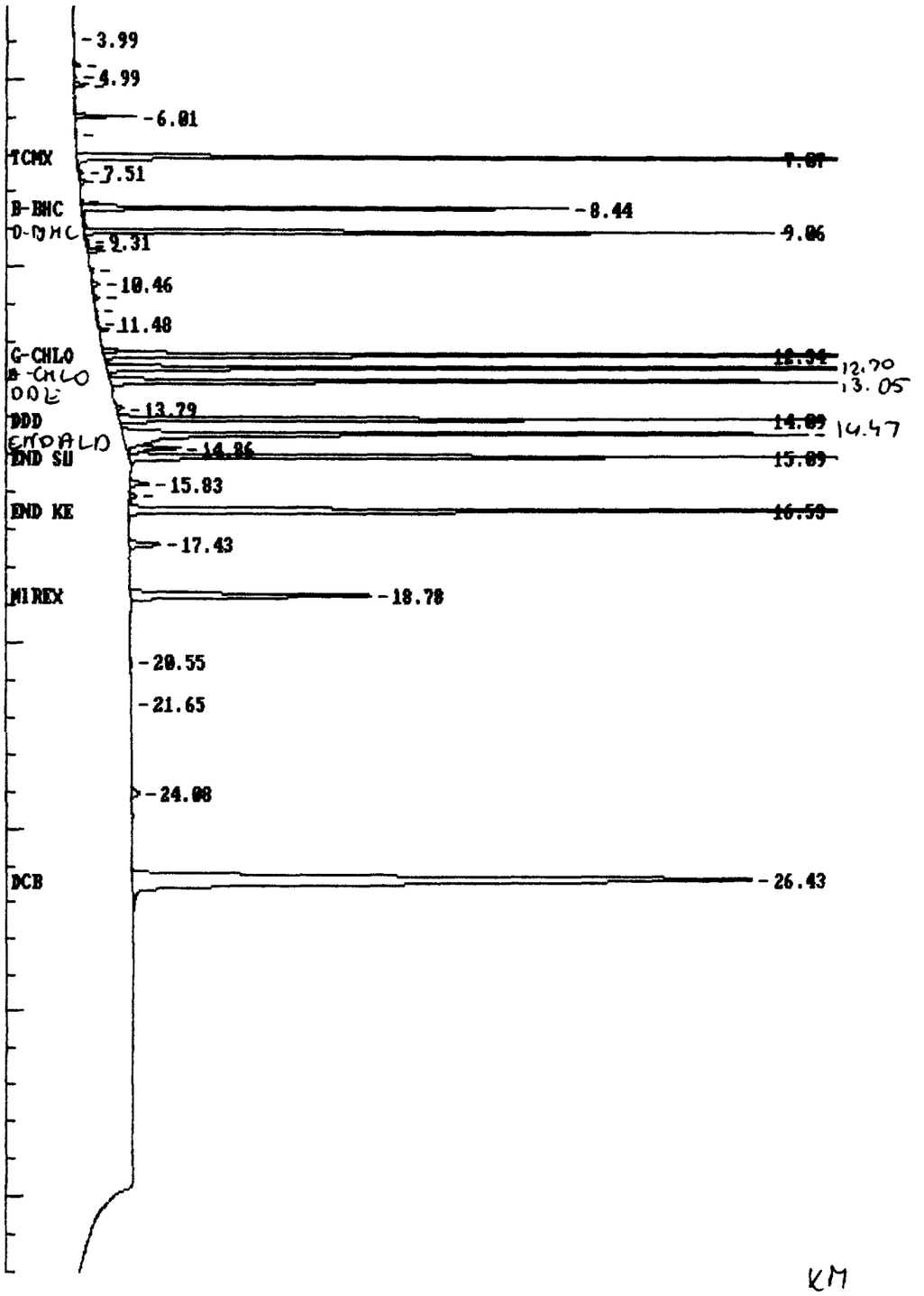
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	16.53 END KETONE	0.0498	11.6915%	1321862	207195	5.5	2	35	35	0	3.7595E-08
34	17.43	0.0000	0.0029%	58901	8094	7.3	1		35		2.0906E-10
35	18.78 MIREX	1.0000	0.0000%	478328	62786	7.6	1	35	35	0	2.0906E-06
36	20.55	0.0000	0.0001%	1898	231	8.2	1		35		2.0906E-10
37	21.65	0.0000	0.0001%	1681	196	8.6	1		35		2.0906E-10
38	24.08	0.0000	0.0011%	21779	2025	10.8	1		35		2.0906E-10
39	26.43 DCB	0.0480	11.2815%	2212491	161829	13.7	1	35	35	0	2.1706E-08

TOTAL AMOUNT = 0.4257

KM
5-26-93

SECONDARY COLUMN

Data File = J:2HOD14.PTS Printed on 05-26-1993 at 14:19:22
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
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SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-28-1993 13:16:28 Version 4.1 **********************
* Sample Name: PEST B L3 #1                    Data File: J:2HOD29        *
* Date: 05-26-1993 12:20:24 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  29   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*          ~~Detector 0: DB608 QUAN~~        Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL    *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.99		0.0000	0.0002%	1952	144	13.5	1		30		2.0929E-10
2	4.65		0.0000	0.0004%	3943	910	4.3	1		30		2.0929E-10
3	5.04		0.0000	0.0010%	10583	4768	2.2	2		30		2.0929E-10
4	5.17		0.0000	0.0010%	10344	2609	4.0	2		30		2.0929E-10
5	6.01		0.0000	0.0027%	28455	8135	3.5	1		30		2.0929E-10
6	6.86		0.0000	0.0001%	613	167	3.7	1		30		2.0929E-10
7	7.07	TCMX	0.0161	7.2943%	523600	138873	3.8	2	30	30	0	3.0681E-08
8	7.51		0.0000	0.0005%	4847	608	8.0	2		30		2.0929E-10
9	7.76		0.0000	0.0006%	5916	1712	3.5	1		30		2.0929E-10
10	8.44	B-BHC	0.0129	5.8730%	255623	68274	3.7	2	30	30	0	5.0599E-08
11	9.06	D-BHC	0.0121	5.5130%	310099	87963	3.5	3	30	30	0	3.9154E-08
12	9.31		0.0000	0.0001%	1023	325	3.2	4		30		2.0929E-10
13	9.50		0.0000	0.0024%	25711	2954	8.7	1		30		2.0929E-10
14	10.10		0.0000	0.0011%	11057	1791	6.2	2		30		2.0929E-10
15	10.48		0.0000	0.0061%	64397	12402	5.2	2		30		2.0929E-10
16	10.83		0.0000	0.0005%	5189	1467	3.5	2		30		2.0929E-10
17	11.68		0.0000	0.0006%	6616	1690	3.9	1		30		2.0929E-10
18	12.35	G-CHLOR	0.0193	8.7857%	598126	132476	4.5	2	30	30	.1353	3.2349E-08
19	12.70	A-CHLOR	0.0194	8.8178%	598120	134559	4.4	2	30	30	0	3.2468E-08
20	13.07	DDE	0.0185	8.3885%	475245	115787	4.1	1	30	30	.1279	3.8873E-08
21	13.79		0.0000	0.0007%	6915	1098	6.3	2		30		2.0929E-10
22	14.09	DDD	0.0187	8.4837%	396413	92800	4.3	2	30	30	0	4.7132E-08
23	14.47	END ALD	0.0261	11.8639%	560440	94559	5.9	3	30	30	0	4.6621E-08
24	14.86		0.0000	0.0049%	51241	7451	6.9	4		30		2.0929E-10
25	15.09	END SULFATE	0.0247	11.2154%	449660	95095	4.7	2	30	30	0	5.4930E-08
26	15.83		0.0000	0.0030%	31389	3134	10.0	2		30		2.0929E-10
27	16.14		0.0000	0.0008%	8738	1218	7.2	2		30		2.0929E-10
28	16.53	END KETONE	0.0253	11.4942%	672600	121328	5.5	2	30	30	0	3.7636E-08
29	17.45		0.0000	0.0029%	30373	4250	7.1	1		30		2.0929E-10
30	18.78	MIREX	1.0000	0.0000%	477802	63057	7.6	1	30	30	0	2.0929E-06
31	24.09		0.0000	0.0011%	11664	1090	10.7	1		30		2.0929E-10
32	24.69		0.0000	0.0004%	4621	384	12.0	1		30		2.0929E-10
33	26.45	DCB	0.0270	12.2397%	1240475	92207	13.5	1	30	30	0	2.1730E-08

TOTAL AMOUNT = 0.2202

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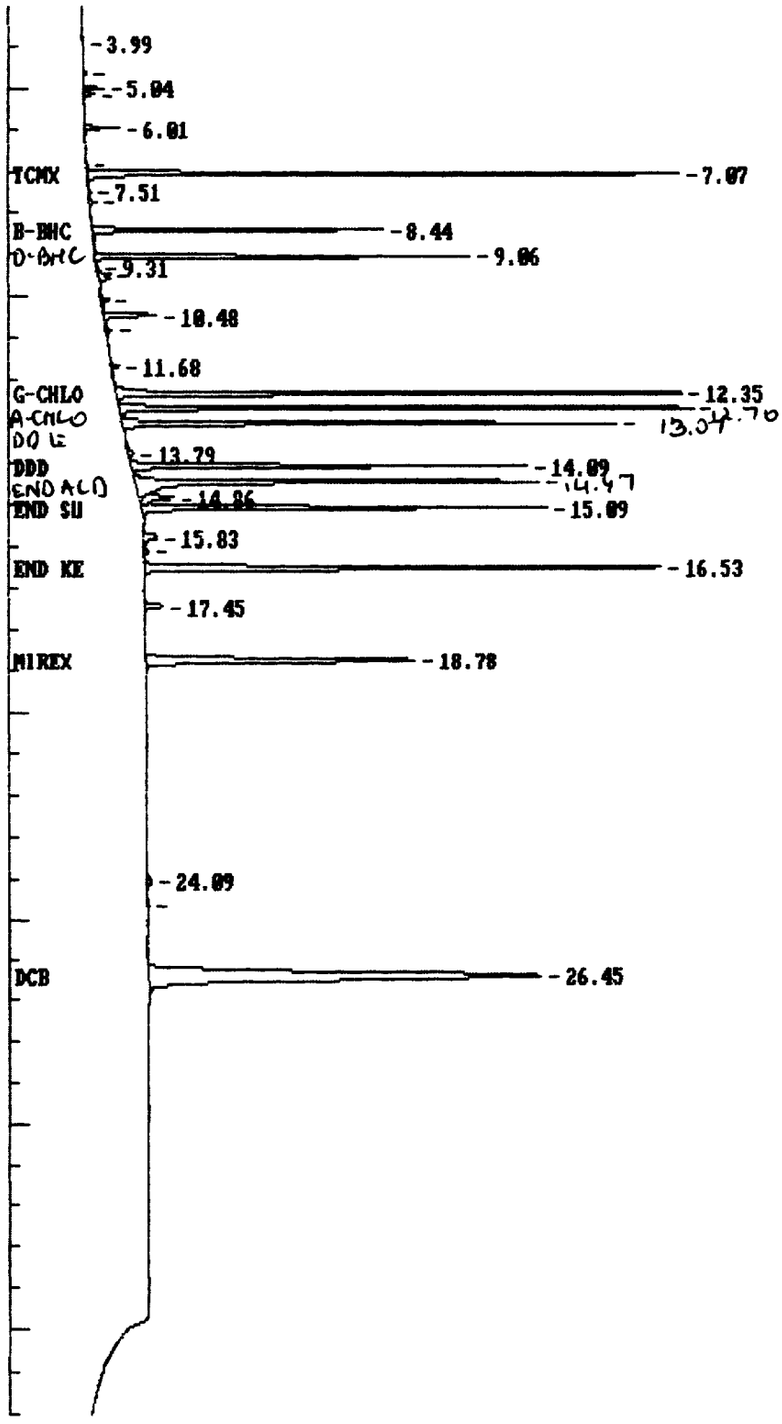
SECONDARY COLUMN

Data File = J:2HOD29.PTS Printed on 05-28-1993 at 13:17:13
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-30-1993 10:35:55 Version 4.1 **********

* Sample Name: PEST B L3 #2 Data File: J:2HOD37 *
* Date: 05-26-1993 17:14:18 Method: J:2PESTBI 05-26-1993 14:10:49 # 602 *
* Interface: 0 Cycle#: 37 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/~~L~~ ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.99		0.0000	0.0002%	2363	162	14.6	1		32		2.2019E-10
2	4.65		0.0000	0.0004%	3696	918	4.0	1		32		2.2019E-10
3	4.97		0.0000	0.0002%	1675	417	4.0	1		32		2.2019E-10
4	5.17		0.0000	0.0009%	9259	2328	4.0	1		32		2.2019E-10
5	5.99		0.0000	0.0021%	21763	5149	4.2	1		32		2.2019E-10
6	6.51		0.0000	0.0001%	527	159	3.3	1		32		2.2019E-10
7	6.86		0.0000	0.0003%	3023	780	3.9	2		32		2.2019E-10
8	7.07	TCMX	0.0171	7.5242%	529732	141125	3.8	3	32	32	.0889	3.2278E-08
9	7.53		0.0000	0.0001%	1331	231	5.8	4		32		2.2019E-10
10	7.76		0.0000	0.0006%	5713	1641	3.5	1		32		2.2019E-10
11	8.43	B-BHC	0.0137	6.0302%	257423	69073	3.7	2	32	32	-.1089	5.3233E-08
12	9.06	D-BHC	0.0135	5.9236%	326793	98860	3.3	2	32	32	0	4.1192E-08
13	9.31		0.0000	0.0002%	1627	385	4.2	2		32		2.2019E-10
14	9.50		0.0000	0.0027%	28320	3234	8.8	2		32		2.2019E-10
15	10.08		0.0000	0.0011%	11273	1685	6.7	2		32		2.2019E-10
16	10.46		0.0000	0.0068%	70513	13772	5.1	2		32		2.2019E-10
17	10.83		0.0000	0.0005%	5623	1488	3.8	2		32		2.2019E-10
18	11.67		0.0000	0.0007%	7248	1946	3.7	1		32		2.2019E-10
19	12.34	G-CHLOR	0.0191	8.4155%	561911	134660	4.2	1	32	32	0	3.4033E-08
20	12.69	A-CHLOR	0.0193	8.4944%	565117	131606	4.3	3	32	32	0	3.4158E-08
21	12.87		0.0000	0.0004%	4202	1155	3.6	4		32		2.2019E-10
22	13.05	DDE	0.0197	8.6527%	480793	118943	4.0	1	32	32	0	4.0896E-08
23	13.77		0.0000	0.0005%	5410	1264	4.3	2		32		2.2019E-10
24	14.07	DDD	0.0201	8.8372%	405000	93644	4.3	2	32	32	0	4.9586E-08
25	14.47	END ALD	0.0249	10.9549%	507554	95946	5.3	1	32	32	0	4.9048E-08
26	14.86		0.0000	0.0021%	22035	4158	5.3	1		32		2.2019E-10
27	15.07	END SULFATE	0.0254	11.1784%	439566	93088	4.7	1	32	32	0	5.7790E-08
28	15.74		0.0000	0.0034%	35123	3705	9.5	1		32		2.2019E-10
29	16.14		0.0000	0.0005%	5078	988	5.1	1		32		2.2019E-10
30	16.53	END KETONE	0.0272	11.9522%	685965	127470	5.4	1	32	32	0	3.9595E-08
31	17.43		0.0000	0.0037%	37862	4774	7.9	1		32		2.2019E-10
32	18.76	MIREX	1.0000	0.0000%	454160	59665	7.6	1	32	32	0	2.2019E-06
33	19.50		0.0000	0.0006%	6618	242	27.3	1		32		2.2019E-10
34	21.65		0.0000	0.0001%	1228	129	9.5	1		32		2.2019E-10
35	24.08		0.0000	0.0011%	11573	1054	11.0	1		32		2.2019E-10
36	24.68		0.0000	0.0010%	9843	842	11.7	1		32		2.2019E-10

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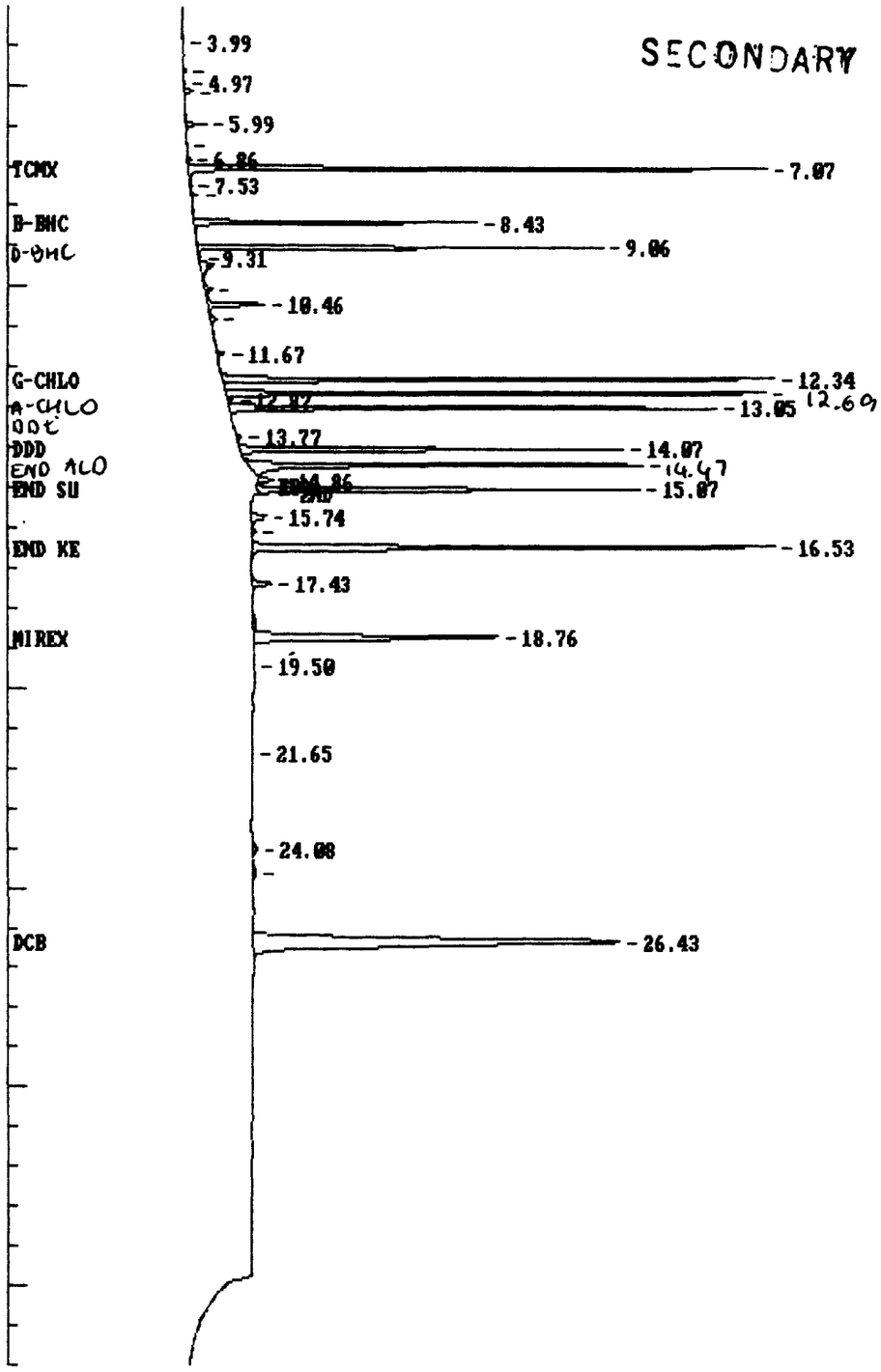
TOTAL AMOUNT = 0.2272

KM
5-28-93

Data File = J:2HOD37.PTS Printed on 05-30-1993 at 10:37:08
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts

SECONDARY COLUMN



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SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-28-1993 13:28:11 Version 4.1 **********

* Sample Name: PEST B L3 #3 Data File: J:2HOD45 *

* Date: 05-26-1993 22:42:48 Method: J:2PESTBI 05-26-1993 14:10:49 # 602*

* Interface: 0 Cycle#: 45 Operator KM Channel#: 1 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 0 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 1.00

Internal Standard Amount: 1

Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.99		0.0000	0.0002%	2617	199	13.2	1		31		2.1552E-10
2	4.65		0.0000	0.0004%	4003	920	4.4	1		31		2.1552E-10
3	4.97		0.0000	0.0001%	1499	400	3.8	1		31		2.1552E-10
4	5.15		0.0000	0.0012%	12474	3083	4.0	1		31		2.1552E-10
5	5.99		0.0000	0.0020%	21202	6001	3.5	1		31		2.1552E-10
6	6.51		0.0000	0.0001%	803	251	3.2	1		31		2.1552E-10
7	6.86		0.0000	0.0001%	919	225	4.1	2		31		2.1552E-10
8	7.06	TCMX	0.0170	7.3185%	538711	137656	3.9	3	31	31	0	3.1594E-08
9	7.51		0.0000	0.0001%	1241	200	6.2	4		31		2.1552E-10
10	7.74		0.0000	0.0005%	5804	1632	3.6	1		31		2.1552E-10
11	8.43	B-BHC	0.0136	5.8377%	260551	71861	3.6	2	31	31	0	5.2106E-08
12	9.06	D-BHC	0.0135	5.8077%	334987	94244	3.6	3	31	31	.1781	4.0320E-08
13	9.30		0.0000	0.0001%	897	297	3.0	4		31		2.1552E-10
14	9.48		0.0000	0.0024%	26254	3607	7.3	1		31		2.1552E-10
15	10.08		0.0000	0.0011%	11921	2090	5.7	2		31		2.1552E-10
16	10.46		0.0000	0.0071%	77012	15416	5.0	2		31		2.1552E-10
17	10.82		0.0000	0.0005%	4876	1358	3.6	2		31		2.1552E-10
18	11.67		0.0000	0.0005%	4937	1423	3.5	1		31		2.1552E-10
19	12.34	G-CHLOR	0.0197	8.4804%	592029	134773	4.4	2	31	31	.1781	3.3313E-08
20	12.69	A-CHLOR	0.0199	8.5547%	595039	135447	4.4	2	31	31	0	3.3435E-08
21	13.05	DDE	0.0197	8.4532%	491100	120003	4.1	1	31	31	.1781	4.0031E-08
22	13.77		0.0000	0.0008%	8446	2011	4.2	1		31		2.1552E-10
23	14.07	DDD	0.0200	8.5853%	411369	98055	4.2	2	31	31	0	4.8536E-08
24	14.46	END ALD	0.0272	11.6846%	566016	101989	5.5	3	31	31	.0625	4.8009E-08
25	14.84		0.0000	0.0037%	40003	5632	7.1	4		31		2.1552E-10
26	15.07	END SULFATE	0.0276	11.8756%	488247	103143	4.7	2	31	31	0	5.6566E-08
27	15.73		0.0000	0.0030%	32750	3005	10.9	2		31		2.1552E-10
28	16.13		0.0000	0.0009%	9643	1547	6.2	2		31		2.1552E-10
29	16.51	END KETONE	0.0269	11.5822%	694998	128335	5.4	2	31	31	0	3.8757E-08
30	17.41		0.0000	0.0032%	34194	4823	7.1	1		31		2.1552E-10
31	18.75	MIREX	1.0000	0.0000%	463984	61962	7.5	1	31	31	0	2.1552E-06
32	24.03		0.0000	0.0010%	11268	1032	10.9	2		31		2.1552E-10
33	24.63		0.0000	0.0009%	9390	803	11.7	2		31		2.1552E-10
34	26.38	DCB	0.0274	11.7903%	1225336	92187	13.3	1	31	31	0	2.2377E-08

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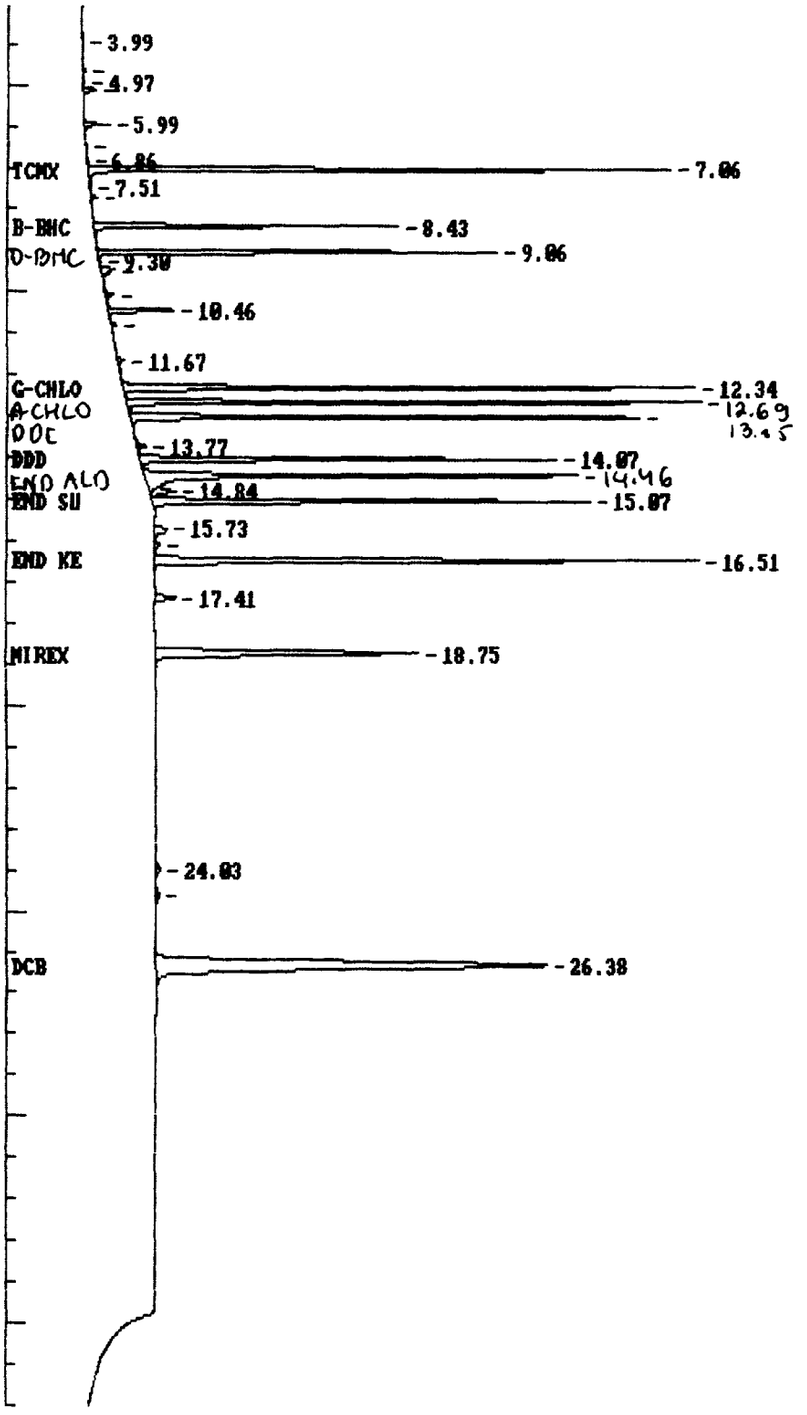
TOTAL AMOUNT = 0.2326

SECONDARY COLUMN

Data File = J:2HOD45.PTS Printed on 05-28-1993 at 13:29:01
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-28-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 06-26-1993 13:42:02 Version 4.1 **********

* Sample Name: PEST B L3 #4 Data File: J:2HOD50 *
* Date: 06-24-1993 16:49:50 Method: J:2PESTBI 05-26-1993 14:10:49 # 602*
* Interface: 0 Cycle#: 50 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D LANDFILL H.O.D LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

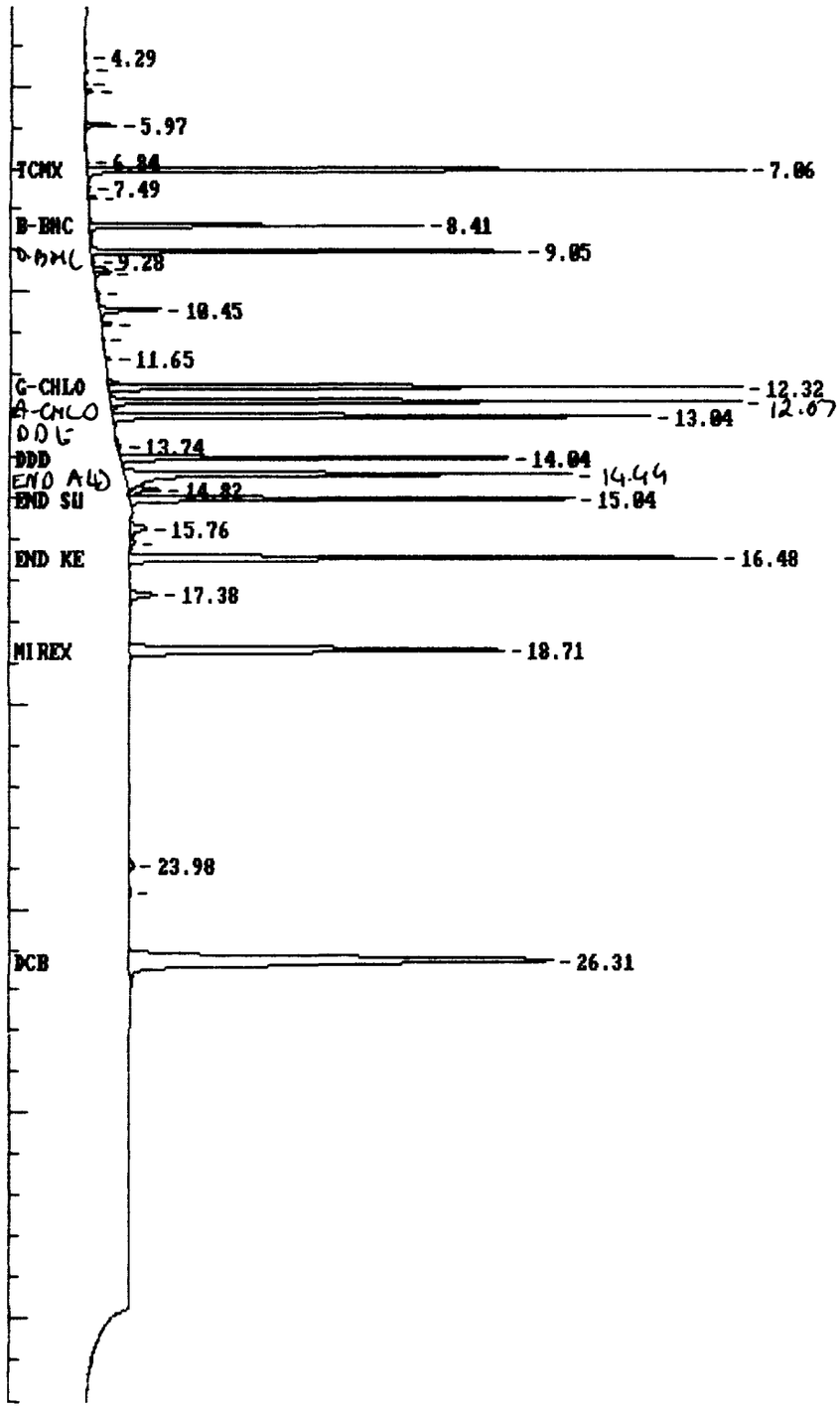
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/µML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.29		0.0000	0.0001%	1213	307	4.0	1		33		1.4861E-10
2	4.64		0.0000	0.0003%	4068	980	4.2	1		33		1.4861E-10
3	4.95		0.0000	0.0001%	1757	449	3.9	2		33		1.4861E-10
4	5.15		0.0000	0.0006%	7805	1998	3.9	2		33		1.4861E-10
5	5.97		0.0000	0.0022%	28116	7228	3.9	1		33		1.4861E-10
6	6.84		0.0000	0.0002%	2498	578	4.3	2		33		1.4861E-10
7	7.06	TCMX	0.0139	7.4122%	588045	155821	3.8	3	33	33	0	2.3652E-08
8	7.49		0.0000	0.0003%	3301	514	6.4	4		33		1.4861E-10
9	7.74		0.0000	0.0005%	6722	1898	3.5	1		33		1.4861E-10
10	8.41	B-BHC	0.0111	5.9261%	285552	78807	3.6	2	33	33	.0690	3.8942E-08
11	9.05	D-BHC	0.0104	5.5304%	352026	101431	3.5	2	33	33	0	2.9479E-08
12	9.28		0.0000	0.0002%	1960	471	4.2	2		33		1.4861E-10
13	9.46		0.0000	0.0012%	14651	3113	4.7	2		33		1.4861E-10
14	9.56		0.0000	0.0015%	18434	3771	4.9	2		33		1.4861E-10
15	10.06		0.0000	0.0003%	4036	714	5.6	1		33		1.4861E-10
16	10.45		0.0000	0.0062%	78627	14806	5.3	2		33		1.4861E-10
17	10.80		0.0000	0.0007%	9037	2508	3.6	2		33		1.4861E-10
18	11.17		0.0000	0.0001%	1366	313	4.4	1		33		1.4861E-10
19	11.65		0.0000	0.0005%	6001	1719	3.5	1		33		1.4861E-10
20	12.20		0.0000	0.0008%	9640	2662	3.6	2		33		1.4861E-10
21	12.32	G-CHLOR	0.0168	8.9640%	674373	150001	4.5	2	33	33	.1319	2.4942E-08
22	12.67	A-CHLOR	0.0170	9.0804%	675477	149048	4.5	2	33	33	.1357	2.5225E-08
23	13.04	DDE	0.0159	8.4567%	529314	127071	4.2	1	33	33	.1394	2.9979E-08
24	13.74		0.0000	0.0004%	5390	912	5.9	1		33		1.4861E-10
25	14.04	DDD	0.0147	7.8152%	400489	91678	4.4	2	33	33	0	3.6617E-08
26	14.44	END ALD	0.0221	11.7901%	610278	105899	5.8	3	33	33	.1518	3.6251E-08
27	14.82		0.0000	0.0037%	46354	7276	6.4	4		33		1.4861E-10
28	15.04	END SULFATE	0.0207	11.0356%	499985	104979	4.8	2	33	33	0	4.1416E-08
29	15.76		0.0000	0.0036%	45426	4124	11.0	2		33		1.4861E-10
30	16.09		0.0000	0.0009%	11001	1264	8.7	2		33		1.4861E-10
31	16.48	END KETONE	0.0217	11.5528%	751219	138900	5.4	2	33	33	0	2.8857E-08
32	17.38		0.0000	0.0040%	50911	6599	7.7	1		33		1.4861E-10
33	18.71	MIREX	1.0000	0.0000%	672914	88480	7.6	1	33	33	0	1.4861E-06
34	23.98		0.0000	0.0010%	13093	1231	10.6	1		33		1.4861E-10
35	24.59		0.0000	0.0003%	4028	319	12.6	1		33		1.4861E-10
36	26.31	DCB	0.0233	12.4068%	1362718	100459	13.6	1	33	33	0	1.7084E-08

KM 6-26-93

TOTAL AMOUNT = 0.00

SECONDARY COLUMN

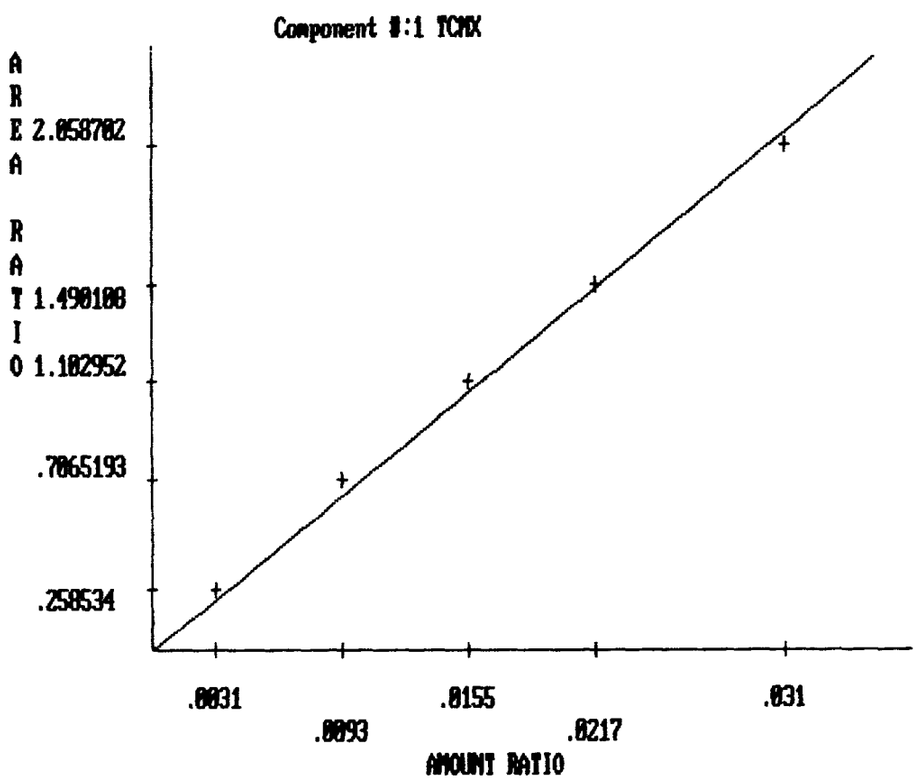
Areas, times, and heights stored in: J:2HOD50.ATB
Data File = J:2HOD50.PTS Printed on 06-26-1993 at 13:42:52
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-26-93

SECONDARY COLUMN

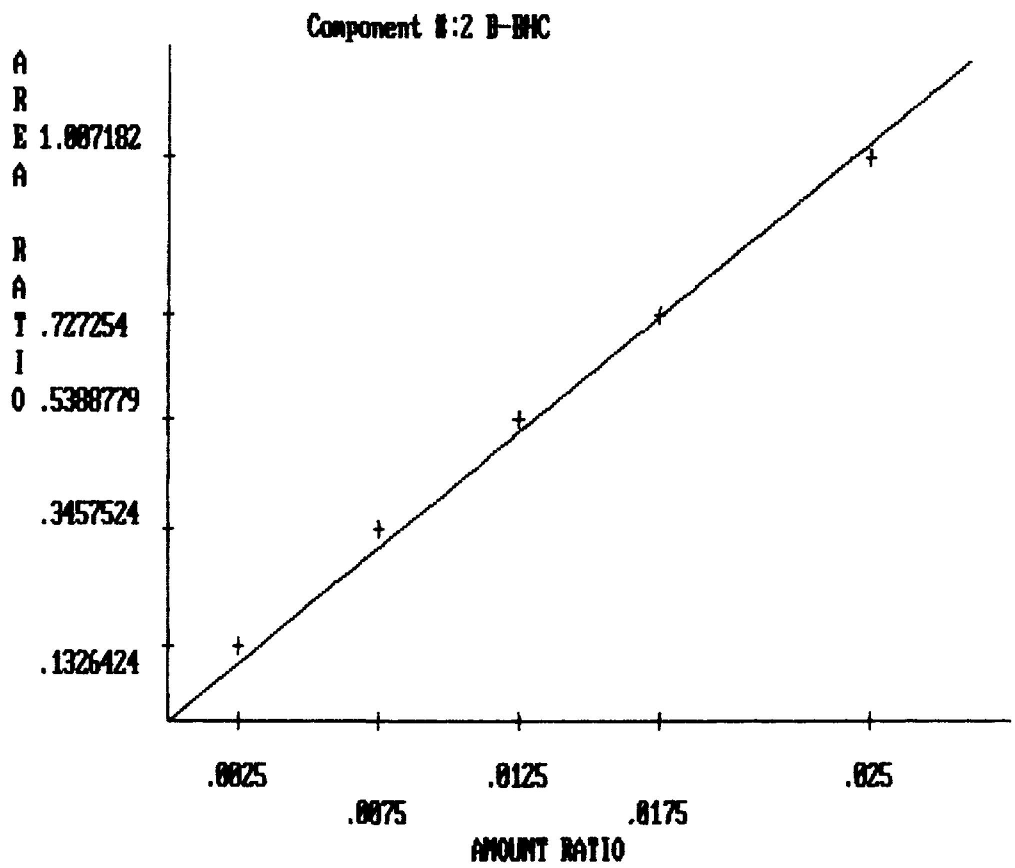
Method J:2PESTBI
Sample PEST B METHOD DB-5 COLUMN
Operator KM
Run date 05-26-1993 09:35:59 version: 601
Printed on 05-26-1993 AT 11:09:21
Straight Line Fit forced through Origin.



Component 1 = TCMX
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0031	123391	0.0031	0.2585
2	0.0093	340273	0.0093	0.7065
3	0.0155	526452	0.0155	1.1030
4	0.0217	711645	0.0217	1.4901
5	0.0310	984734	0.0310	2.0587

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 6.8216E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.4659E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9985



Component 2 = B-BHC

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	63306	0.0025	0.1326
2	0.0075	166521	0.0075	0.3458
3	0.0125	257213	0.0125	0.5389
4	0.0175	347322	0.0175	0.7273
5	0.0250	481763	0.0250	1.0072

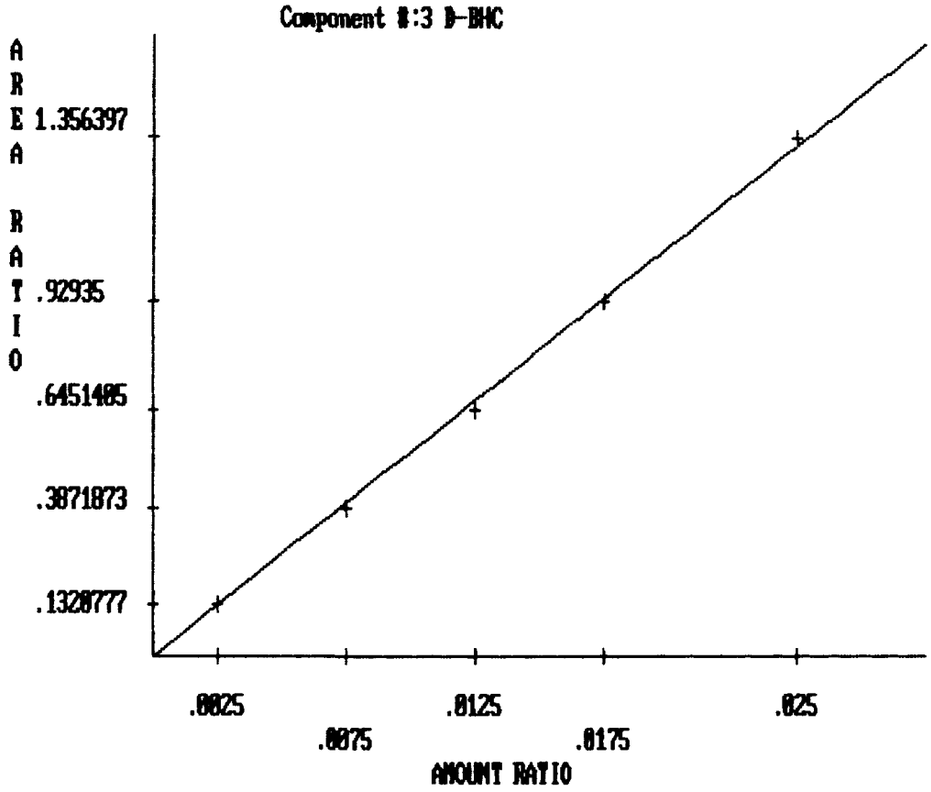
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 4.1363E+01 * Amt ratio + 0.0000E+00

Amt ratio = 2.4176E-02 * Area ratio + 0.0000E+00

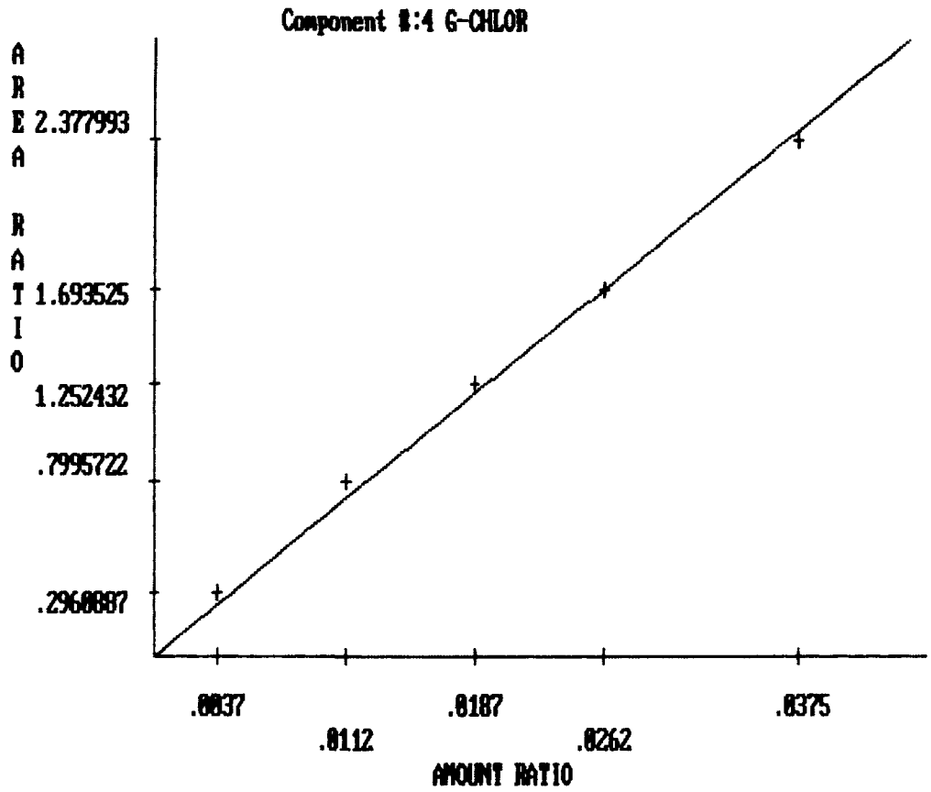
Correlation Coefficient = 0.9983



Component 3 = D-BHC
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0025	63037	0.0025	0.1321
2	0.0075	186477	0.0075	0.3872
3	0.0125	307933	0.0125	0.6451
4	0.0175	443839	0.0175	0.9294
5	0.0250	648802	0.0250	1.3564

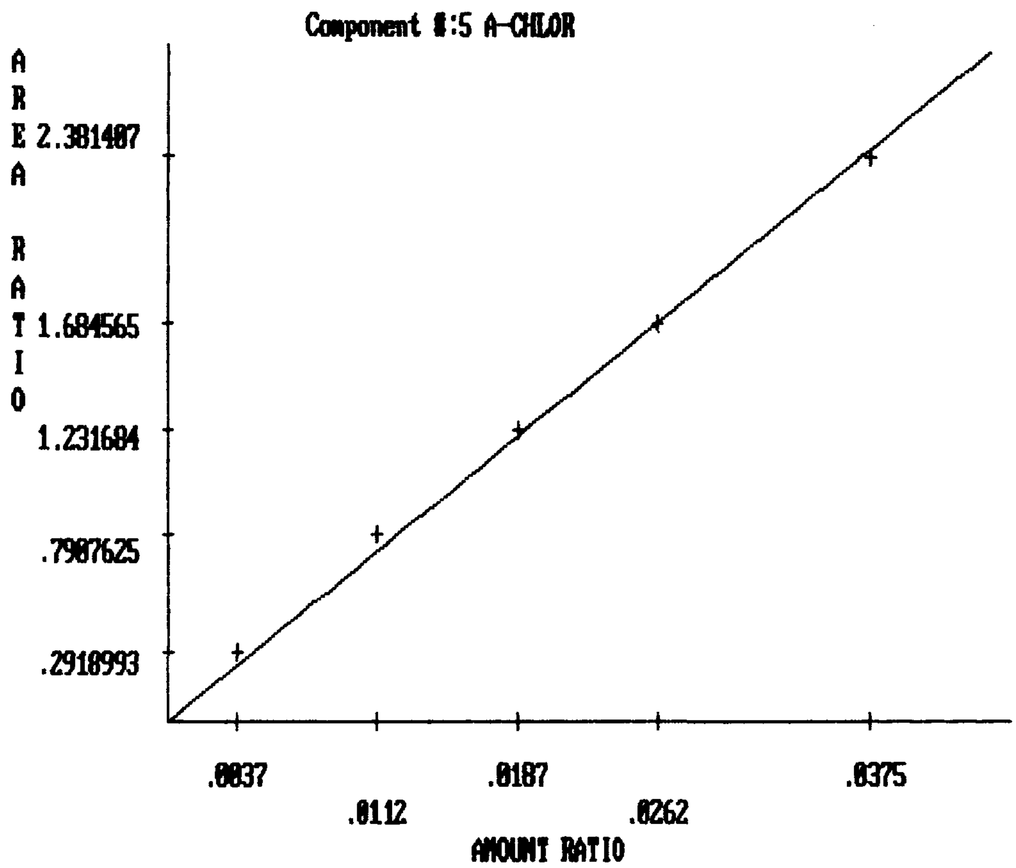
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.3454E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.8708E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9996



Component 4 = G-CHLOR
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	141315	0.0037	0.2961
2	0.0112	385089	0.0112	0.7996
3	0.0187	597801	0.0187	1.2524
4	0.0262	808793	0.0262	1.6935
5	0.0375	1137460	0.0375	2.3780

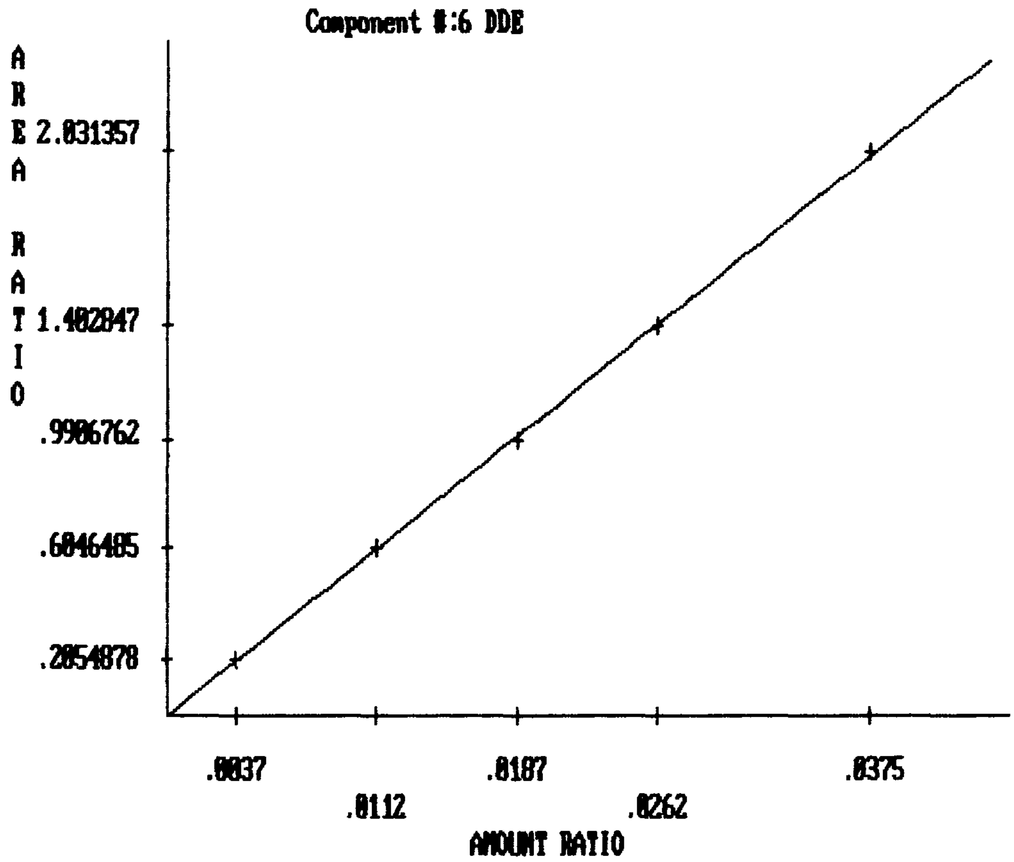
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 6.4697E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.5457E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9988



Component 5 = A-CHLOR
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	139315	0.0037	0.2919
2	0.0112	380846	0.0112	0.7908
3	0.0187	587898	0.0187	1.2317
4	0.0262	804514	0.0262	1.6846
5	0.0375	1139093	0.0375	2.3814

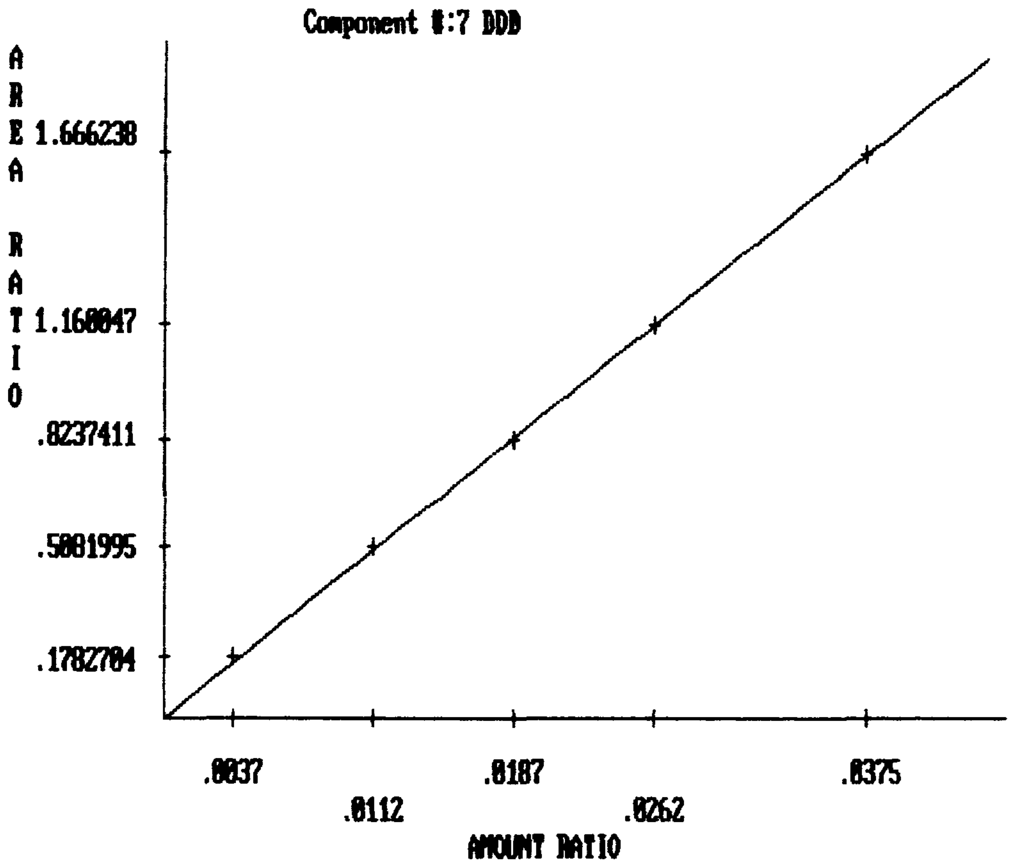
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 6.4461E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.5513E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9991



Component 6 = DDE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	98073	0.0037	0.2055
2	0.0112	291210	0.0112	0.6046
3	0.0187	472862	0.0187	0.9907
4	0.0262	669971	0.0262	1.4028
5	0.0375	971654	0.0375	2.0314

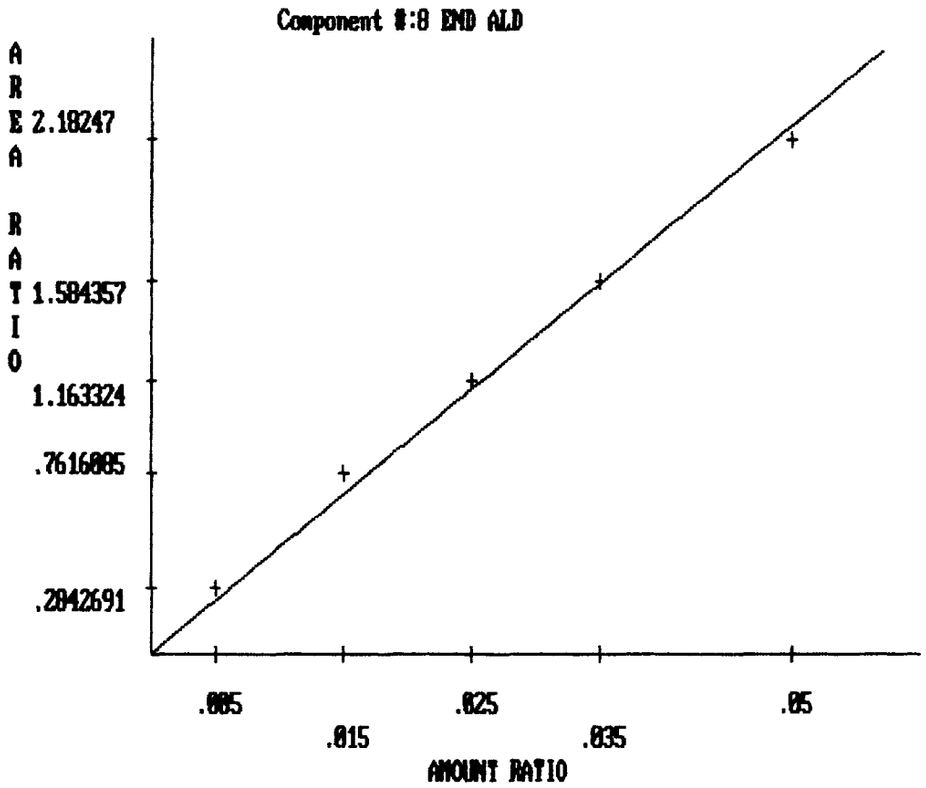
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.3840E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.8574E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9999



Component 7 = DDD
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0037	85083	0.0037	0.1783
2	0.0112	244758	0.0112	0.5082
3	0.0187	393182	0.0187	0.8237
4	0.0262	554015	0.0262	1.1600
5	0.0375	797008	0.0375	1.6662

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 4.4405E+01 * Amt ratio + 0.0000E+00
Amt ratio = 2.2520E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9999



Component 8 = END ALD
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	135673	0.0050	0.2843
2	0.0150	366805	0.0150	0.7616
3	0.0250	555269	0.0250	1.1633
4	0.0350	756657	0.0350	1.5844
5	0.0500	1043936	0.0500	2.1825

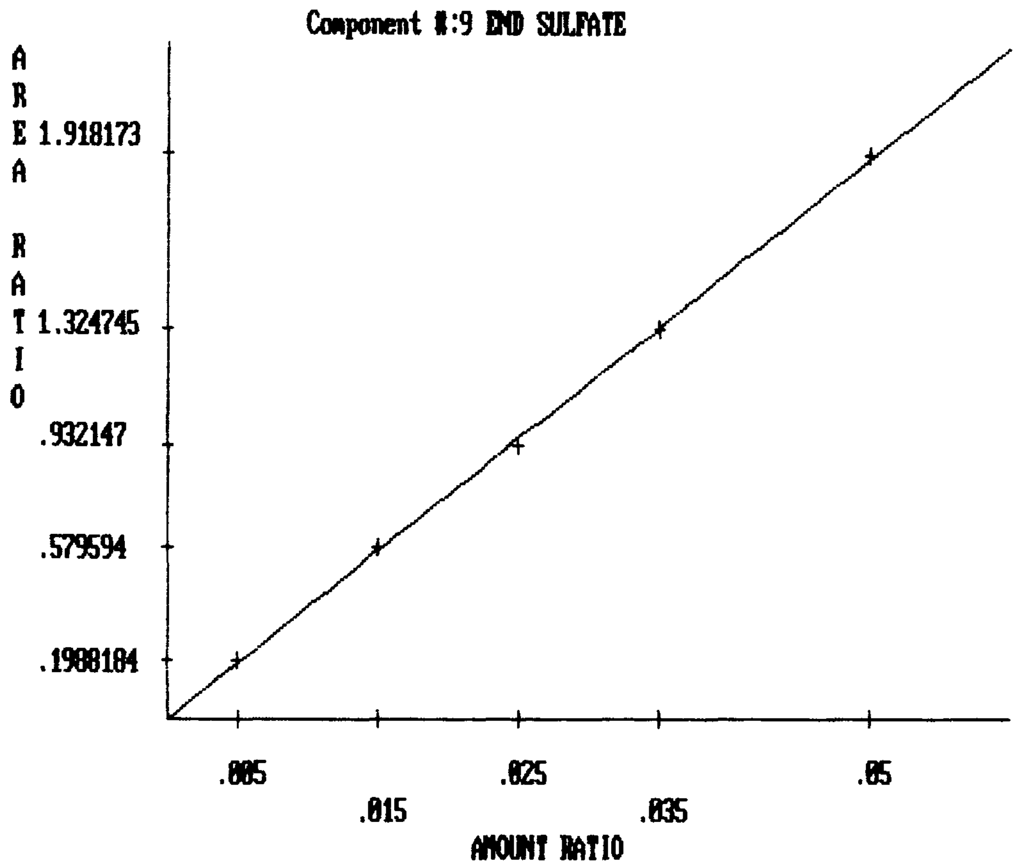
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 4.4892E+01 * Amt ratio + 0.0000E+00

Amt ratio = 2.2276E-02 * Area ratio + 0.0000E+00

Correlation Coefficient = 0.9982



Component 9 = END SULFATE

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	94890	0.0050	0.1988
2	0.0150	279143	0.0150	0.5796
3	0.0250	444925	0.0250	0.9321
4	0.0350	632672	0.0350	1.3247
5	0.0500	917515	0.0500	1.9182

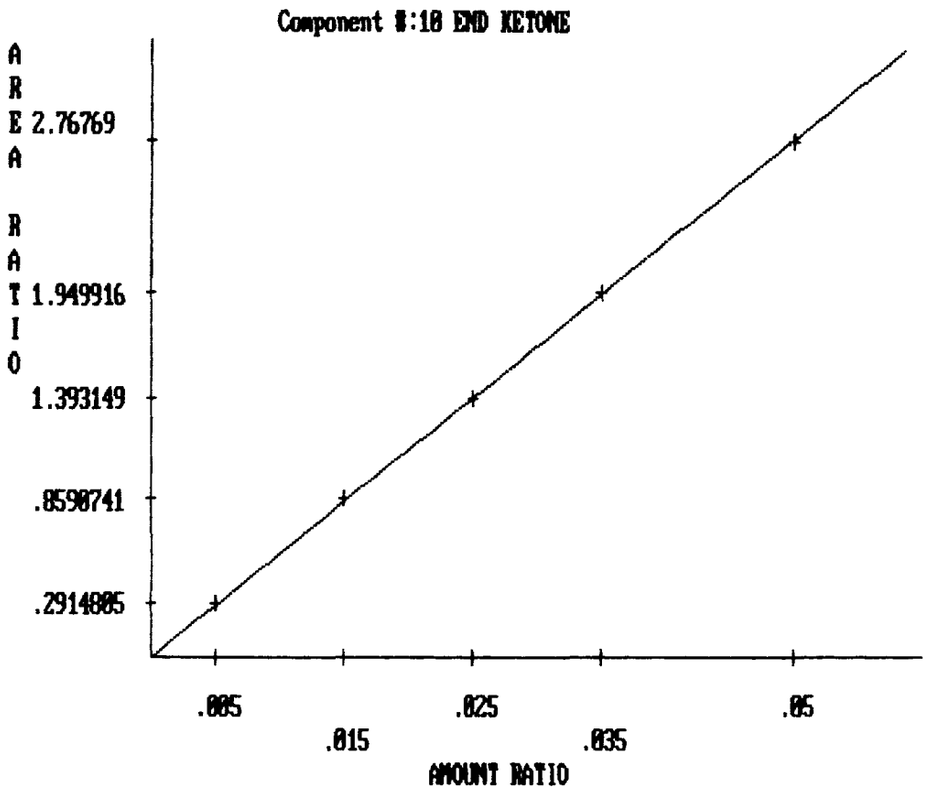
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 3.8101E+01 * Amt ratio + 0.0000E+00

Amt ratio = 2.6246E-02 * Area ratio + 0.0000E+00

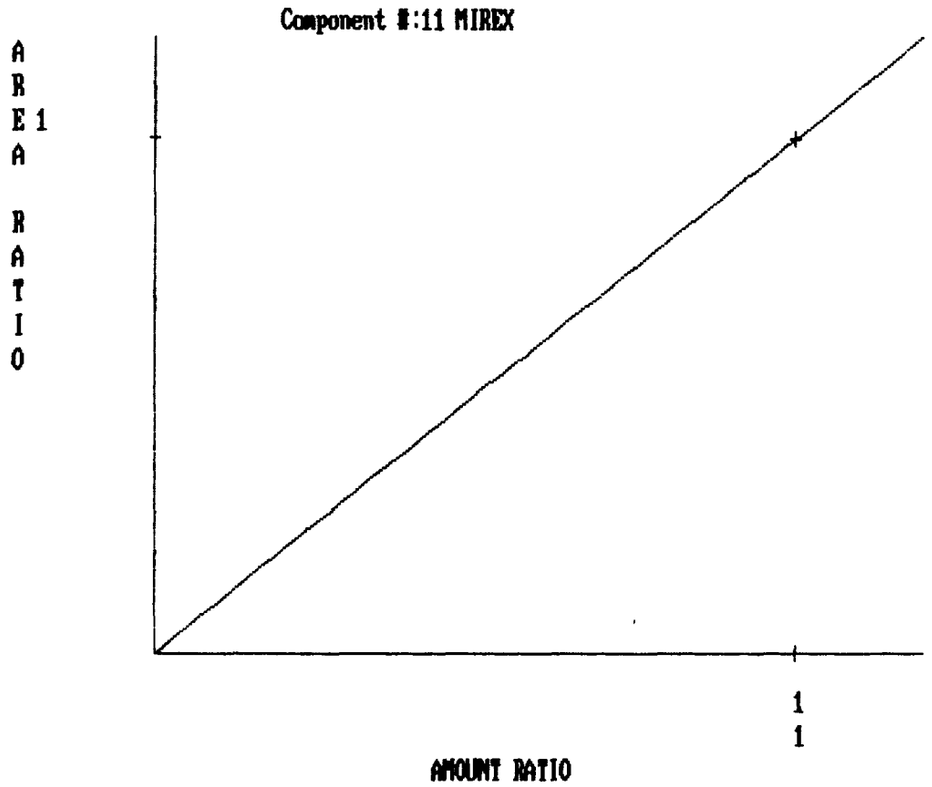
Correlation Coefficient = 0.9999



Component 10 = END KETONE
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	139115	0.0050	0.2915
2	0.0150	413746	0.0150	0.8591
3	0.0250	664967	0.0250	1.3931
4	0.0350	931241	0.0350	1.9499
5	0.0500	1323863	0.0500	2.7677

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.5610E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.7983E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9999



Component 11 = MIREX
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	1.0000	477271	1.0000	1.0000
2	1.0000	481618	1.0000	1.0000
3	1.0000	477312	1.0000	1.0000
4	1.0000	477580	1.0000	1.0000
5	1.0000	478328	1.0000	1.0000

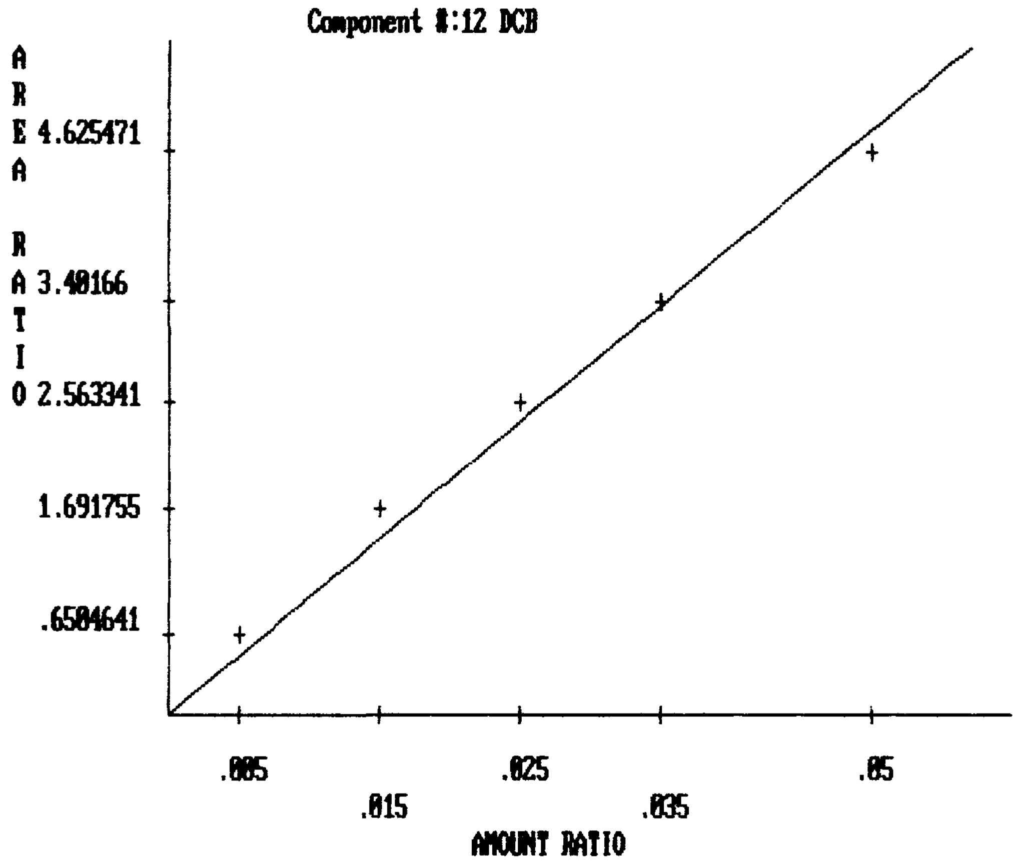
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 1.0000E+00 * Amt ratio + 0.0000E+00

Amt ratio = 1.0000E+00 * Area ratio + 0.0000E+00

Correlation Coefficient = 1.0000



Component 12 = DCB
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.0050	310448	0.0050	0.6505
2	0.0150	814780	0.0150	1.6918
3	0.0250	1223514	0.0250	2.5633
4	0.0350	1624564	0.0350	3.4017
5	0.0500	2212491	0.0500	4.6255

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 9.6314E+01 * Amt ratio + 0.0000E+00
Amt ratio = 1.0383E-02 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9965

PRIMARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 12:09:57 Version 4.1 **********************
* Sample Name: 1242 L1                          Data File: J:1HOD14        *
* Date: 05-26-1993 01:21:47 Method: J:1_1242  05-26-1993 09:46:45  #  412 *
* Interface: 0   Cycle#:  14   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                  SCRN:        *    *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/KML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0004%	3660	786	4.7	1		46		6.5506E-10
2	7.07		0.0000	0.0003%	3339	823	4.1	1		46		6.5506E-10
3	7.94		0.0000	0.0006%	5711	1199	4.8	2		46		6.5506E-10
4	8.11		0.0000	0.0006%	5836	1489	3.9	2		46		6.5506E-10
5	8.48		0.0000	0.0008%	8438	2004	4.2	1		46		6.5506E-10
6	8.64		0.0000	0.0032%	32463	8673	3.7	1		46		6.5506E-10
7	9.06		0.0000	0.0002%	2240	596	3.8	1		46		6.5506E-10
8	9.48		0.0000	0.0006%	6069	1317	4.6	2		46		6.5506E-10
9	9.61		0.0000	0.0071%	72179	16066	4.5	2		46		6.5506E-10
10	9.88		0.0000	0.0005%	4928	1023	4.8	2		46		6.5506E-10
11	10.13		0.0000	0.0028%	28337	4579	6.2	2		46		6.5506E-10
12	10.31		0.0000	0.0029%	29203	6276	4.7	2		46		6.5506E-10
13	10.45	1242-1	0.1364	20.5190%	118234	19418	6.1	2	46	46	.1591	1.1540E-06
14	10.83	1242-2	0.1332	20.0242%	50545	9402	5.4	2	46	46	.1591	2.6344E-06
15	11.15		0.0000	0.0055%	56311	12400	4.5	2		46		6.5506E-10
16	11.28		0.0000	0.0037%	37929	6113	6.2	2		46		6.5506E-10
17	11.43	1242-3	0.1283	19.2948%	19912	4048	4.9	2	46	46	0	6.4437E-06
18	11.72		0.0000	0.0003%	3375	845	4.0	2		46		6.5506E-10
19	11.93	1242-4	0.1356	20.3856%	47570	8746	5.4	2	46	46	.0191	2.8497E-06
20	12.05		0.0000	0.0015%	15571	3216	4.8	2		46		6.5506E-10
21	12.25		0.0000	0.0026%	26293	4368	6.0	2		46		6.5506E-10
22	12.42		0.0000	0.0029%	29689	5330	5.6	2		46		6.5506E-10
23	12.55	1242-5	0.1311	19.7223%	34861	8049	4.3	2	46	46	.1591	3.7621E-06
24	12.72		0.0000	0.0042%	42537	8073	5.3	2		46		6.5506E-10
25	12.92		0.0000	0.0009%	8747	1661	5.3	2		46		6.5506E-10
26	13.05		0.0000	0.0014%	14011	2347	6.0	2		46		6.5506E-10
27	13.24		0.0000	0.0004%	4083	983	4.2	2		46		6.5506E-10
28	13.44		0.0000	0.0027%	27079	6247	4.3	2		46		6.5506E-10
29	13.80		0.0000	0.0004%	4450	988	4.5	1		46		6.5506E-10
30	13.97		0.0000	0.0004%	4123	900	4.6	2		46		6.5506E-10
31	14.12		0.0000	0.0008%	7972	1299	6.1	2		46		6.5506E-10

32	14.32		0.0000	0.0003%	534[illegible]	12[illegible]	[illegible]	2		46		6.5506E-10
33	14.42		0.0000	0.0014%	13864	2001	6.[illegible]	2		46		6.5506E-10
34	14.71		0.0000	0.0007%	7242	1446	5.0	2		46		6.5506E-10
35	14.87		0.0000	0.0002%	2227	458	4.9	2		46		6.5506E-10
36	15.09		0.0000	0.0006%	6541	1414	4.6	1		46		6.5506E-10
37	15.47		0.0000	0.0001%	1014	160	6.3	1		46		6.5506E-10
38	15.99		0.0000	0.0004%	4101	785	5.2	2		46		6.5506E-10
39	16.18		0.0000	0.0002%	2438	263	9.3	2		46		6.5506E-10
40	16.53		0.0000	0.0007%	7462	1007	7.4	2		46		6.5506E-10
41	16.93		0.0000	0.0003%	3498	559	6.3	1		46		6.5506E-10
42	17.40		0.0000	0.0001%	1129	163	6.9	1		46		6.5506E-10
43	18.00		0.0000	0.0001%	876	140	6.3	1		46		6.5506E-10
44	18.53		0.0000	0.0001%	1449	236	6.1	2		46		6.5506E-10
45	18.78		0.0000	0.0002%	1614	220	7.3	2		46		6.5506E-10
46	20.99	MIREX	1.0000	0.0000%	152658	16624	9.2	1	46	46	0	6.5506E-06
47	26.45		0.0000	0.0007%	6825	519	13.1	1		46		6.5506E-10

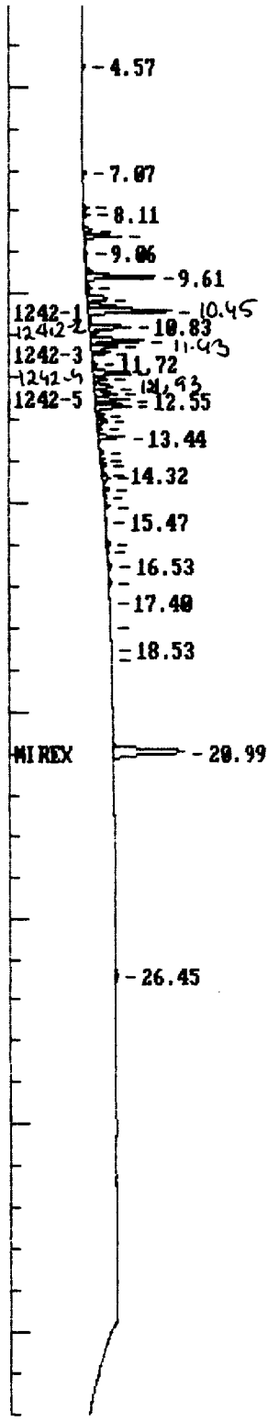
TOTAL AMOUNT = 0.6650

KM
5-26-93

$AU(n=1) = 0.133$

PRIMARY COLUMN

Data File = J:1HOD14.PTS Printed on 05-26-1993 at 12:11:02
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-26-93

PRIMARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 12:11:54 Version 4.1 **********************
* Sample Name: 1242 L2                          Data File: J:1HOD15        *
* Date: 05-26-1993 02:03:21 Method: J:1_1242  05-26-1993 09:46:45  #  412 *
* Interface: 0   Cycle#:  15   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~     *
* Misc. Information: H.O.D. LANDFILL                    ~~SCRN:~~      *  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0002%	3684	788	4.7	1		45		6.2330E-10
2	6.37		0.0000	0.0001%	973	250	3.9	1		45		6.2330E-10
3	7.96		0.0000	0.0006%	11684	2279	5.1	2		45		6.2330E-10
4	8.13		0.0000	0.0006%	11551	2829	4.1	2		45		6.2330E-10
5	8.49		0.0000	0.0007%	13426	3562	3.8	2		45		6.2330E-10
6	8.64		0.0000	0.0031%	59569	16034	3.7	2		45		6.2330E-10
7	9.48		0.0000	0.0006%	11881	2653	4.5	2		45		6.2330E-10
8	9.63		0.0001	0.0071%	134430	29808	4.5	2		45		6.2330E-10
9	9.88		0.0000	0.0005%	10343	2088	5.0	2		45		6.2330E-10
10	10.13		0.0000	0.0028%	53482	8928	6.0	2		45		6.2330E-10
11	10.31		0.0000	0.0031%	59146	11843	5.0	2		45		6.2330E-10
12	10.45	1242-1	0.2387	20.1960%	217363	36244	6.0	2	45	45	0	1.0981E-06
13	10.83	1242-2	0.2128	18.0027%	84877	18104	4.7	3	45	45	0	2.5067E-06
14	10.98		0.0000	0.0007%	13475	2771	4.9	4		45		6.2330E-10
15	11.15		0.0001	0.0057%	107176	23328	4.6	2		45		6.2330E-10
16	11.28		0.0000	0.0036%	68375	11840	5.8	2		45		6.2330E-10
17	11.45	1242-3	0.2456	20.7810%	40057	7461	5.4	2	45	45	0	6.1313E-06
18	11.73		0.0000	0.0003%	6491	1610	4.0	2		45		6.2330E-10
19	11.95	1242-4	0.2428	20.5414%	89531	16564	5.4	2	45	45	0	2.7115E-06
20	12.07		0.0000	0.0015%	28342	6123	4.6	2		45		6.2330E-10
21	12.25		0.0000	0.0028%	52842	8559	6.2	2		45		6.2330E-10
22	12.42		0.0000	0.0025%	47247	9879	4.8	2		45		6.2330E-10
23	12.55	1242-5	0.2414	20.4279%	67444	15537	4.3	2	45	45	0	3.5797E-06
24	12.72		0.0000	0.0039%	74725	14073	5.3	2		45		6.2330E-10
25	12.94		0.0000	0.0009%	16561	3243	5.1	2		45		6.2330E-10
26	13.05		0.0000	0.0011%	21429	3314	6.5	2		45		6.2330E-10
27	13.25		0.0000	0.0005%	8786	2028	4.3	2		45		6.2330E-10
28	13.45		0.0000	0.0028%	52411	11678	4.5	2		45		6.2330E-10
29	13.80		0.0000	0.0005%	8867	1965	4.5	2		45		6.2330E-10
30	13.97		0.0000	0.0005%	8765	1743	5.0	2		45		6.2330E-10
31	14.14		0.0000	0.0005%	9299	2127	4.4	2		45		6.2330E-10

32	[illegible]	[illegible]	0.0002%	[illegible]	[illegible]	4.3	2		[illegible]		[illegible]
33	14.42	0.0000	0.0009%	16171	3395	4.8	2		45		6.2330E-10
34	14.72	0.0000	0.0006%	11195	2513	4.5	2		45		6.2330E-10
35	14.89	0.0000	0.0002%	3335	742	4.5	2		45		6.2330E-10
36	15.11	0.0000	0.0004%	7306	1537	4.8	1		45		6.2330E-10
37	15.71	0.0000	0.0000%	848	186	4.6	1		45		6.2330E-10
38	16.01	0.0000	0.0004%	6989	1481	4.7	1		45		6.2330E-10
39	16.19	0.0000	0.0001%	1288	301	4.3	1		45		6.2330E-10
40	16.59	0.0000	0.0003%	5527	582	9.5	1		45		6.2330E-10
41	16.94	0.0000	0.0002%	3394	393	8.6	1		45		6.2330E-10
42	18.01	0.0000	0.0001%	1790	271	6.6	1		45		6.2330E-10
43	18.55	0.0000	0.0001%	2726	455	6.0	2		45		6.2330E-10
44	18.80	0.0000	0.0001%	1495	208	7.2	2		45		6.2330E-10
45	21.00 MIREX	1.0000	0.0000%	160437	17202	9.3	1	45	45	0	6.2330E-06

TOTAL AMOUNT = 1.1818

$A\,U_{(n=1)} = 0.236$

KM
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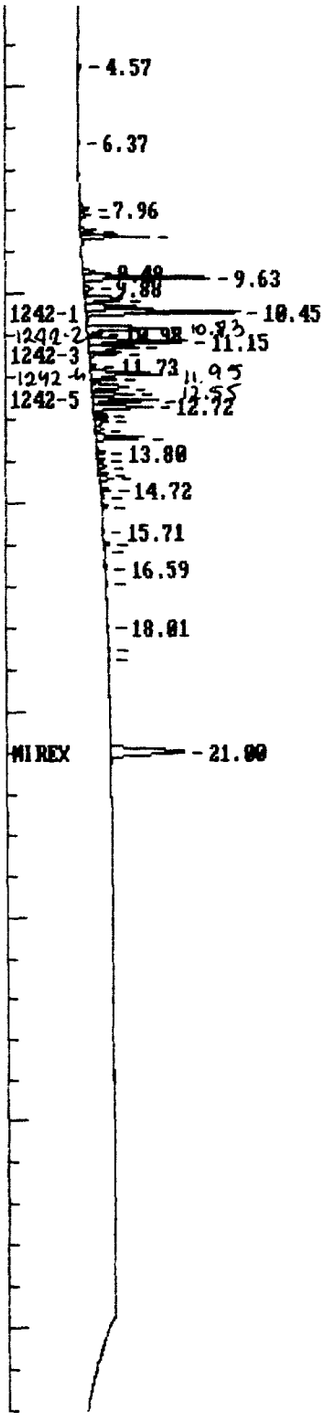
PRIMARY COLUMN

Data File = J:1HOD15.PTS Printed on 05-26-1993 at 12:12:57
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 12:13:49 Version 4.1 **********************
* Sample Name: 1242 L3                          Data File: J:1HOD16        *
* Date: 05-26-1993 02:44:55 Method: J:1_1242  05-26-1993 09:46:45  #  412 *
* Interface: 0   Cycle#:  16   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~    *
* Misc. Information: H.O.D. LANDFILL                    ~~SCRN:~~      *  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:       500                     One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0001%	2717	595	4.6	1		48		6.2126E-10
2	6.37		0.0000	0.0001%	2495	641	3.9	1		48		6.2126E-10
3	7.96		0.0000	0.0006%	27890	5507	5.1	2		48		6.2126E-10
4	8.13		0.0000	0.0006%	27851	7027	4.0	2		48		6.2126E-10
5	8.49		0.0000	0.0008%	34289	8832	3.9	2		48		6.2126E-10
6	8.64		0.0001	0.0034%	148081	36173	4.1	2		48		6.2126E-10
7	9.48		0.0000	0.0007%	30053	6309	4.8	2		48		6.2126E-10
8	9.63		0.0002	0.0069%	299776	67524	4.4	2		48		6.2126E-10
9	9.88		0.0000	0.0006%	26591	5188	5.1	2		48		6.2126E-10
10	10.13		0.0001	0.0030%	131633	21460	6.1	2		48		6.2126E-10
11	10.31		0.0001	0.0030%	131106	26808	4.9	2		48		6.2126E-10
12	10.45	1242-1	0.5477	20.3114%	500392	82152	6.1	2	48	48	0	1.0945E-06
13	10.83	1242-2	0.5388	19.9831%	215659	41489	5.2	2	48	48	0	2.4985E-06
14	11.15		0.0001	0.0055%	238275	52632	4.5	2		48		6.2126E-10
15	11.28		0.0001	0.0038%	166105	27236	6.1	2		48		6.2126E-10
16	11.45	1242-3	0.5215	19.3400%	85332	17658	4.8	2	48	48	0	6.1112E-06
17	11.73		0.0000	0.0003%	15090	3959	3.8	2		48		6.2126E-10
18	11.95	1242-4	0.5439	20.1728%	201262	38069	5.3	2	48	48	0	2.7027E-06
19	12.07		0.0000	0.0016%	68581	14878	4.6	2		48		6.2126E-10
20	12.25		0.0001	0.0030%	131278	20349	6.5	2		48		6.2126E-10
21	12.44		0.0001	0.0026%	114083	23364	4.9	2		48		6.2126E-10
22	12.55	1242-5	0.5431	20.1401%	152205	35076	4.3	2	48	48	0	3.5679E-06
23	12.74		0.0001	0.0040%	175250	32357	5.4	2		48		6.2126E-10
24	12.94		0.0000	0.0010%	42435	7939	5.3	2		48		6.2126E-10
25	13.05		0.0000	0.0012%	51928	7881	6.6	2		48		6.2126E-10
26	13.25		0.0000	0.0005%	21549	5097	4.2	2		48		6.2126E-10
27	13.45		0.0001	0.0029%	126280	28500	4.4	2		48		6.2126E-10
28	13.82		0.0000	0.0005%	22873	4883	4.7	2		48		6.2126E-10
29	13.99		0.0000	0.0005%	22157	4274	5.2	2		48		6.2126E-10
30	14.14		0.0000	0.0005%	23380	5223	4.5	2		48		6.2126E-10
31	14.34		0.0000	0.0006%	24588	5527	4.4	2		48		6.2126E-10

32	14.44		0.0000	0.0000%	[illegible]	[illegible]	3.8	1		[illegible]		[illegible]
33	14.72		0.0000	0.0007%	31283	6655	4.7	2		48		6.2126E-10
34	14.89		0.0000	0.0002%	8810	1895	4.6	2		48		6.2126E-10
35	15.11		0.0000	0.0004%	18188	3971	4.6	1		48		6.2126E-10
36	15.44		0.0000	0.0000%	1299	253	5.1	1		48		6.2126E-10
37	15.71		0.0000	0.0000%	2120	458	4.6	1		48		6.2126E-10
38	16.01		0.0000	0.0005%	19811	3826	5.2	2		48		6.2126E-10
39	16.19		0.0000	0.0002%	10709	1248	8.6	2		48		6.2126E-10
40	16.59		0.0000	0.0003%	13375	1265	10.6	2		48		6.2126E-10
41	16.83		0.0000	0.0001%	2659	438	6.1	2		48		6.2126E-10
42	16.96		0.0000	0.0001%	4201	609	6.9	2		48		6.2126E-10
43	17.40		0.0000	0.0000%	1437	213	6.8	1		48		6.2126E-10
44	18.01		0.0000	0.0001%	4215	655	6.4	1		48		6.2126E-10
45	18.38		0.0000	0.0000%	1316	264	5.0	2		48		6.2126E-10
46	18.55		0.0000	0.0002%	7159	1146	6.2	2		48		6.2126E-10
47	20.45		0.0000	0.0001%	2573	340	7.6	1		48		6.2126E-10
48	21.02	MIREX	1.0000	0.0000%	160963	17477	9.2	1	48	48	0	6.2126E-06

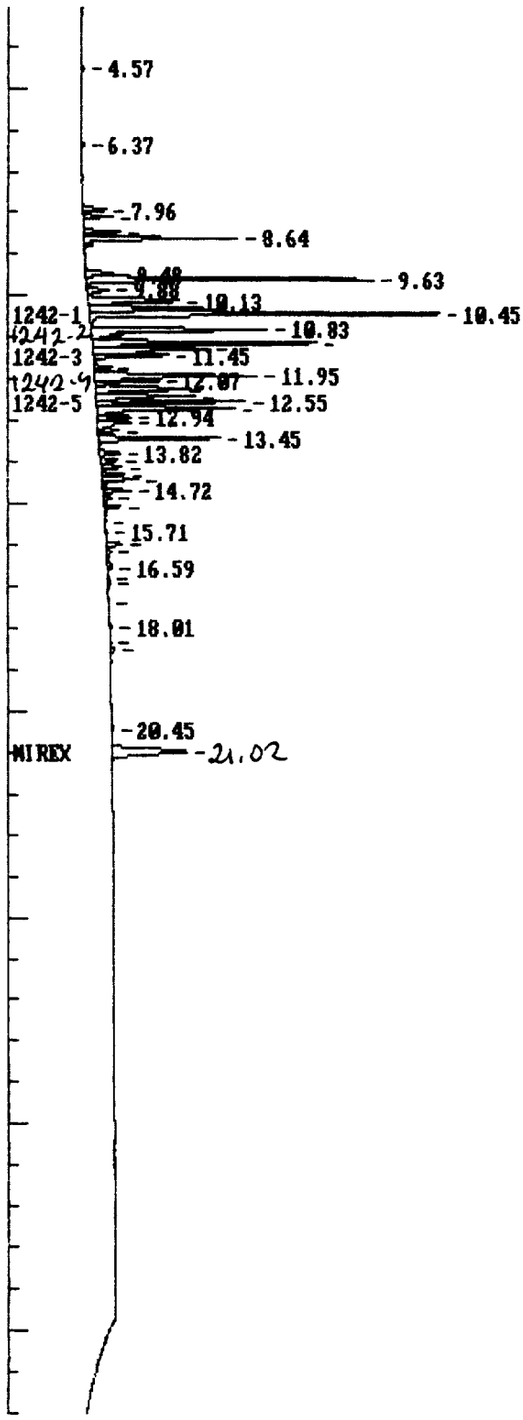
TOTAL AMOUNT = 2.6964

AU(n=5) = 0.539

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD16.PTS Printed on 05-26-1993 at 12:14:56
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-26-93

PRIMARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-26-1993 12:15:50 Version 4.1 **********************
* Sample Name: 1242 L4                          Data File: J:1HOD17       *
* Date: 05-26-1993 03:26:28 Method: J:1_1242  05-26-1993 09:46:45  #  412 *
* Interface: 0   Cycle#:  17   Operator KM  Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500            *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*           Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~     *
* Misc. Information: H.O.D. LANDFILL                ~~SCRN:~~        *   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/µML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0000%	2588	566	4.6	1		53		6.0902E-10
2	6.37		0.0000	0.0001%	3645	920	4.0	1		53		6.0902E-10
3	7.96		0.0000	0.0006%	39692	7776	5.1	2		53		6.0902E-10
4	8.13		0.0000	0.0006%	39596	10082	3.9	2		53		6.0902E-10
5	8.49		0.0000	0.0008%	48085	12431	3.9	2		53		6.0902E-10
6	8.64		0.0001	0.0031%	195426	49347	4.0	3		53		6.0902E-10
7	8.81		0.0000	0.0002%	11167	2758	4.0	4		53		6.0902E-10
8	9.23		0.0000	0.0000%	1141	258	4.4	1		53		6.0902E-10
9	9.48		0.0000	0.0007%	42648	8890	4.8	2		53		6.0902E-10
10	9.63		0.0003	0.0067%	416112	93281	4.5	2		53		6.0902E-10
11	9.88		0.0000	0.0006%	40489	7542	5.4	2		53		6.0902E-10
12	10.13		0.0001	0.0030%	189285	30700	6.2	2		53		6.0902E-10
13	10.31		0.0001	0.0030%	185146	37298	5.0	2		53		6.0902E-10
14	10.45	1242-1	0.7583	19.9548%	706743	114895	6.2	2	53	53	0	1.0729E-06
15	10.83	1242-2	0.7606	20.0154%	310536	57560	5.4	2	53	53	0	2.4493E-06
16	11.15		0.0002	0.0054%	339504	73263	4.6	2		53		6.0902E-10
17	11.28		0.0001	0.0038%	237645	38435	6.2	2		53		6.0902E-10
18	11.45	1242-3	0.7643	20.1128%	127578	25399	5.0	3	53	53	0	5.9908E-06
19	11.62		0.0000	0.0001%	5065	1201	4.2	4		53		6.0902E-10
20	11.73		0.0000	0.0004%	26489	6221	4.3	2		53		6.0902E-10
21	11.95	1242-4	0.7584	19.9583%	286261	53254	5.4	2	53	53	0	2.6494E-06
22	12.07		0.0001	0.0017%	104712	21602	4.8	2		53		6.0902E-10
23	12.27		0.0001	0.0030%	190268	29230	6.5	2		53		6.0902E-10
24	12.44		0.0001	0.0026%	165001	33634	4.9	2		53		6.0902E-10
25	12.55	1242-5	0.7565	19.9067%	216278	48860	4.4	2	53	53	0	3.4976E-06
26	12.74		0.0002	0.0040%	250465	46038	5.4	2		53		6.0902E-10
27	12.94		0.0000	0.0010%	61941	11429	5.4	2		53		6.0902E-10
28	13.05		0.0000	0.0012%	75916	11220	6.8	2		53		6.0902E-10
29	13.25		0.0000	0.0005%	32484	7407	4.4	2		53		6.0902E-10
30	13.45		0.0001	0.0029%	180817	40708	4.4	2		53		6.0902E-10
31	13.82		0.0000	0.0005%	32946	7041	4.7	2		53		6.0902E-10
32	13.99		0.0000	0.0005%	[illegible]	[illegible]	[illegible]	[illegible]		53		[illegible]

32	13.77		0.0000	0.0000%	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	14.14		0.0000	0.0005%	[illegible]	[illegible]	4.6	2		53		6.0902E-10
34	14.34		0.0000	0.0005%	32760	7610	4.3	2		53		6.0902E-10
35	14.44		0.0000	0.0009%	57760	11924	4.8	2		53		6.0902E-10
36	14.72		0.0000	0.0006%	38505	8959	4.3	2		53		6.0902E-10
37	14.89		0.0000	0.0002%	10991	2557	4.3	2		53		6.0902E-10
38	15.11		0.0000	0.0004%	26872	5759	4.7	2		53		6.0902E-10
39	15.29		0.0000	0.0000%	2471	523	4.7	2		53		6.0902E-10
40	15.44		0.0000	0.0000%	1977	386	5.1	2		53		6.0902E-10
41	15.71		0.0000	0.0001%	3182	678	4.7	1		53		6.0902E-10
42	16.01		0.0000	0.0005%	28099	5427	5.2	2		53		6.0902E-10
43	16.19		0.0000	0.0002%	13720	1735	7.9	2		53		6.0902E-10
44	16.51		0.0000	0.0000%	2570	582	4.4	1		53		6.0902E-10
45	16.83		0.0000	0.0000%	2006	464	4.3	1		53		6.0902E-10
46	17.38		0.0000	0.0000%	1378	229	6.0	1		53		6.0902E-10
47	18.03		0.0000	0.0001%	7472	1037	7.2	2		53		6.0902E-10
48	18.21		0.0000	0.0000%	2275	273	8.3	2		53		6.0902E-10
49	18.38		0.0000	0.0000%	2823	476	5.9	2		53		6.0902E-10
50	18.55		0.0000	0.0002%	11224	1730	6.5	2		53		6.0902E-10
51	20.47		0.0000	0.0001%	5174	565	9.2	2		53		6.0902E-10
52	20.74		0.0000	0.0000%	2153	274	7.9	2		53		6.0902E-10
53	21.02	MIREX	1.0000	0.0000%	164199	17763	9.2	2	53	53	0	6.0902E-06
54	24.01		0.0000	0.0000%	2112	238	8.9	1		53		6.0902E-10

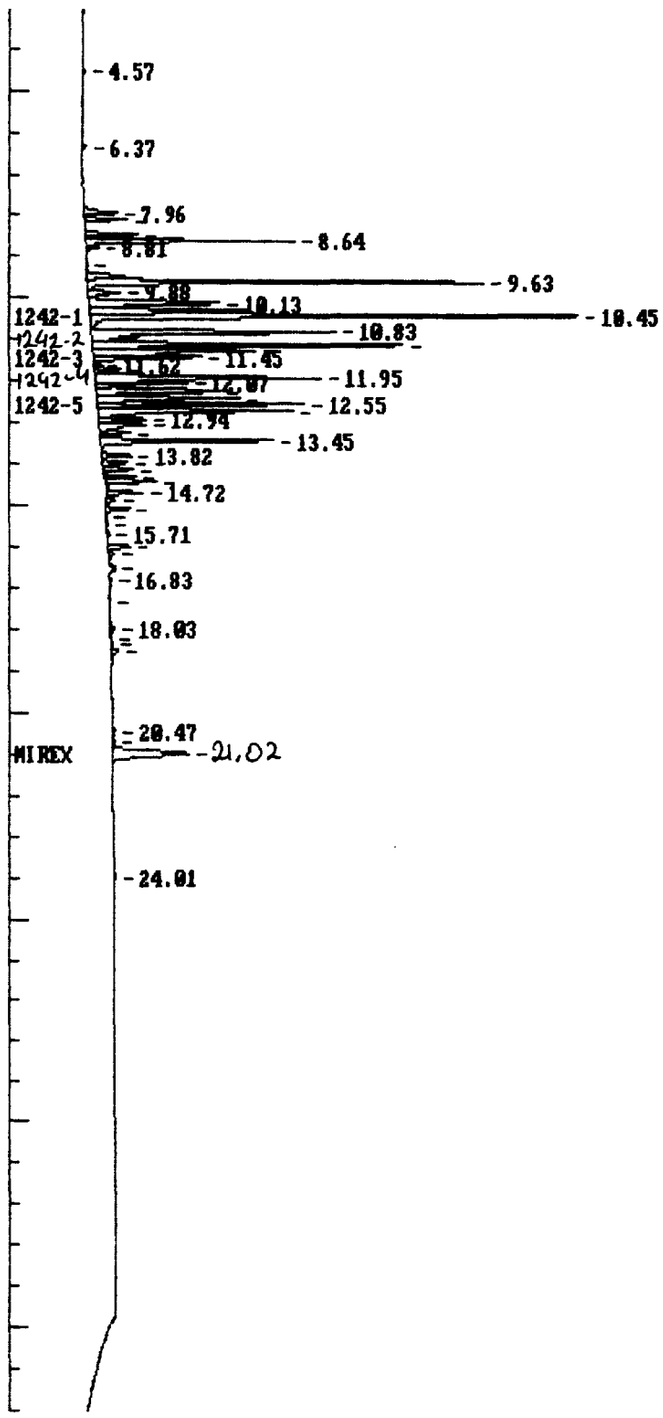
TOTAL AMOUNT = 3.8000

$AU_{(n=5)} = 0.760$

KM
5/26/93

PRIMARY COLUMN

Data File = J:1HOD17.PTS Printed on 05-26-1993 at 12:17:03
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 12:17:59 Version 4.1 **********************
* Sample Name: 1242 L5                          Data File: J:1HOD18        *
* Date: 05-26-1993 04:07:56 Method: J:1_1242  05-26-1993 09:46:45  #  412 *
* Interface: 0   Cycle#:  18   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*             Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~   *
* Misc. Information: H.O.D. LANDFILL                  ~~SCRN:~~       *   *
*************************************************************************
Starting Delay:    3.00                      Ending retention time:   37.00
Area reject:       500                       One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/~~µ~~ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.12		0.0000	0.0000%	1558	342	4.6	1		54		6.0304E-10
2	4.57		0.0000	0.0000%	3076	676	4.6	1		54		6.0304E-10
3	6.37		0.0000	0.0001%	4762	1213	3.9	1		54		6.0304E-10
4	7.96		0.0000	0.0006%	50933	9774	5.2	2		54		6.0304E-10
5	8.13		0.0000	0.0006%	51275	12989	3.9	2		54		6.0304E-10
6	8.49		0.0000	0.0007%	57787	15438	3.7	2		54		6.0304E-10
7	8.64		0.0001	0.0029%	231215	61921	3.7	2		54		6.0304E-10
8	9.23		0.0000	0.0000%	1815	399	4.5	1		54		6.0304E-10
9	9.48		0.0000	0.0007%	55337	11399	4.9	2		54		6.0304E-10
10	9.63		0.0003	0.0066%	526737	117114	4.5	2		54		6.0304E-10
11	9.88		0.0000	0.0007%	53599	9972	5.4	2		54		6.0304E-10
12	10.13		0.0001	0.0031%	246068	40093	6.1	2		54		6.0304E-10
13	10.31		0.0001	0.0030%	237914	48271	4.9	2		54		6.0304E-10
14	10.45	1242-1	0.9586	19.9026%	902261	147038	6.1	2	54	54	0	1.0624E-06
15	10.83	1242-2	0.9668	20.0731%	398630	74314	5.4	2	54	54	0	2.4253E-06
16	11.15		0.0003	0.0055%	435741	94032	4.6	2		54		6.0304E-10
17	11.28		0.0002	0.0038%	305421	49400	6.2	2		54		6.0304E-10
18	11.45	1242-3	0.9666	20.0692%	162945	32365	5.0	3	54	54	0	5.9320E-06
19	11.62		0.0000	0.0001%	6993	1644	4.3	4		54		6.0304E-10
20	11.73		0.0000	0.0004%	35464	8050	4.4	2		54		6.0304E-10
21	11.95	1242-4	0.9596	19.9242%	365785	68733	5.3	2	54	54	0	2.6234E-06
22	12.07		0.0001	0.0016%	130500	27826	4.7	2		54		6.0304E-10
23	12.25		0.0002	0.0032%	253085	38649	6.5	2		54		6.0304E-10
24	12.44		0.0001	0.0027%	214005	43289	4.9	2		54		6.0304E-10
25	12.55	1242-5	0.9622	19.9786%	277834	63377	4.4	2	54	54	0	3.4633E-06
26	12.74		0.0002	0.0041%	323599	59364	5.5	2		54		6.0304E-10
27	12.94		0.0000	0.0010%	79931	14616	5.5	2		54		6.0304E-10
28	13.05		0.0001	0.0012%	98510	14585	6.8	2		54		6.0304E-10
29	13.25		0.0000	0.0005%	42597	9643	4.4	2		54		6.0304E-10
30	13.45		0.0001	0.0030%	235906	53281	4.4	2		54		6.0304E-10
31	13.82		0.0000	0.0005%	43355	9213	4.7	2		54		6.0304E-10

32	[illegible]		0.0000	0.0005%	[illegible]	[illegible]	5.2	2		54		[illegible]
33	14.14		0.0000	0.0006%	44115	9712	4.5	2		54		6.0304E-10
34	14.34		0.0000	0.0005%	43195	10012	4.3	2		54		6.0304E-10
35	14.44		0.0000	0.0009%	75212	15524	4.8	2		54		6.0304E-10
36	14.72		0.0000	0.0006%	50338	11720	4.3	2		54		6.0304E-10
37	14.89		0.0000	0.0002%	14340	3323	4.3	2		54		6.0304E-10
38	15.11		0.0000	0.0004%	35234	7603	4.6	2		54		6.0304E-10
39	15.29		0.0000	0.0000%	3299	718	4.6	2		54		6.0304E-10
40	15.44		0.0000	0.0000%	2561	508	5.0	2		54		6.0304E-10
41	15.71		0.0000	0.0001%	4147	901	4.6	1		54		6.0304E-10
42	16.01		0.0000	0.0005%	37574	7335	5.1	2		54		6.0304E-10
43	16.19		0.0000	0.0002%	19385	2324	8.3	2		54		6.0304E-10
44	16.51		0.0000	0.0002%	12591	2181	5.8	2		54		6.0304E-10
45	16.59		0.0000	0.0002%	14721	2492	5.9	2		54		6.0304E-10
46	16.83		0.0000	0.0000%	2931	646	4.5	1		54		6.0304E-10
47	17.38		0.0000	0.0000%	1830	304	6.0	1		54		6.0304E-10
48	18.03		0.0000	0.0001%	7923	1240	6.4	1		54		6.0304E-10
49	18.38		0.0000	0.0000%	2700	523	5.2	2		54		6.0304E-10
50	18.55		0.0000	0.0002%	14292	2272	6.3	2		54		6.0304E-10
51	20.02		0.0000	0.0000%	1251	171	7.3	1		54		6.0304E-10
52	20.47		0.0000	0.0001%	6939	762	9.1	2		54		6.0304E-10
53	20.74		0.0000	0.0000%	3161	374	8.5	2		54		6.0304E-10
54	21.02	MIREX	1.0000	0.0000%	165826	17702	9.4	2	54	54	0	6.0304E-06
55	24.01		0.0000	0.0001%	5665	421	13.5	1		54		6.0304E-10

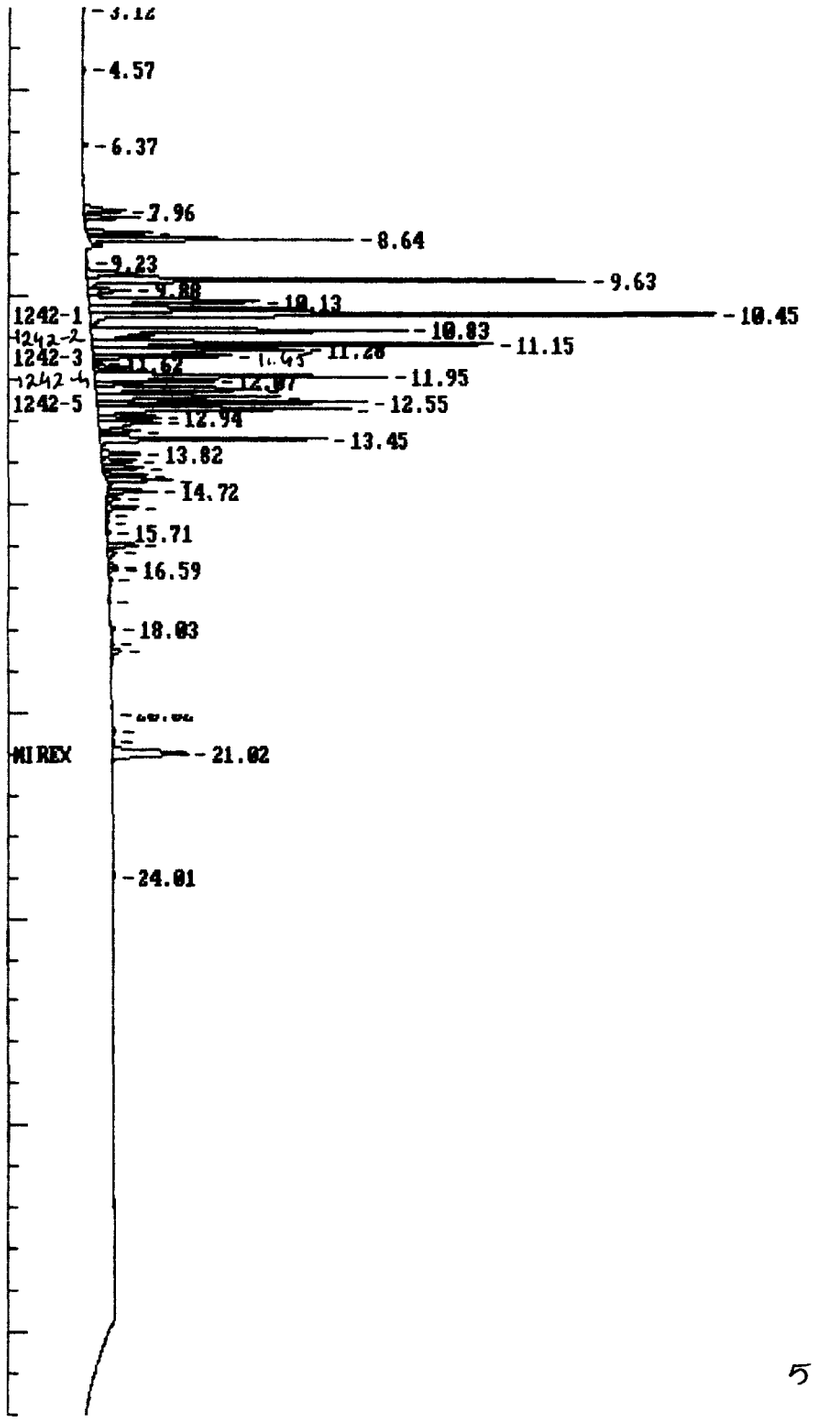
TOTAL AMOUNT = 4.8163

A U(n=5) = 0.963

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD18.PTS Printed on 05-26-1993 at 12:19:12
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

```
******   INTERNAL STANDARD TABLE   ******
******************** 05-29-1993 12:37:12 Version 4.1 **********************
* Sample Name: 1242 L3 #1                          Data File: j:1HOD29      *
* Date: 05-26-1993 12:20:25 Method: J:1_1242 05-29-1993 12:00:43  #  415   *
* Interface: 0   Cycle#:  29   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~     *
* Misc. Information: H.O.D. LANDFILL                  ~~SCRN:~~        *  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:       500                     One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0001%	3039	642	4.7	1		51		6.0020E-10
2	6.37		0.0000	0.0001%	2498	634	3.9	1		51		6.0020E-10
3	7.07		0.0000	0.0001%	2883	487	5.9	1		51		6.0020E-10
4	7.94		0.0000	0.0006%	27741	5564	5.0	2		51		6.0020E-10
5	8.11		0.0000	0.0006%	28510	7065	4.0	2		51		6.0020E-10
6	8.48		0.0000	0.0008%	35370	8819	4.0	2		51		6.0020E-10
7	8.64		0.0001	0.0033%	145454	36675	4.0	3		51		6.0020E-10
8	8.79		0.0000	0.0002%	6912	1822	3.8	4		51		6.0020E-10
9	9.06		0.0000	0.0000%	1167	291	4.0	2		51		6.0020E-10
10	9.48		0.0000	0.0007%	29555	6284	4.7	2		51		6.0020E-10
11	9.61		0.0002	0.0069%	303980	66508	4.6	2		51		6.0020E-10
12	9.88		0.0000	0.0006%	26445	5245	5.0	2		51		6.0020E-10
13	10.13		0.0001	0.0029%	129561	21472	6.0	2		51		6.0020E-10
14	10.31		0.0001	0.0032%	141676	27834	5.1	2		51		6.0020E-10
15	10.45	1242-1	0.5421	20.4597%	512684	86794	5.9	2	51	51	.1591	1.0574E-06
16	10.83	1242-2	0.4803	18.1271%	198982	41952	4.7	3	51	51	.1591	2.4138E-06
17	10.98		0.0000	0.0006%	25263	6489	3.9	4		51		6.0020E-10
18	11.15		0.0001	0.0055%	241339	54141	4.5	2		51		6.0020E-10
19	11.28		0.0001	0.0038%	167308	27286	6.1	2		51		6.0020E-10
20	11.43	1242-3	0.5401	20.3843%	91482	18007	5.1	2	51	51	0	5.9041E-06
21	11.72		0.0000	0.0003%	15032	3837	3.9	2		51		6.0020E-10
22	11.95	1242-4	0.5357	20.2185%	205175	37792	5.4	2	51	51	.1591	2.6111E-06
23	12.05		0.0000	0.0017%	73831	14952	4.9	2		51		6.0020E-10
24	12.25		0.0001	0.0030%	132333	21554	6.1	2		51		6.0020E-10
25	12.42		0.0001	0.0027%	118414	24786	4.8	2		51		6.0020E-10
26	12.55	1242-5	0.5500	20.7562%	159550	36926	4.3	2	51	51	.1591	3.4470E-06
27	12.72		0.0001	0.0042%	184774	35348	5.2	2		51		6.0020E-10
28	12.92		0.0000	0.0010%	43797	7930	5.5	2		51		6.0020E-10
29	13.05		0.0000	0.0013%	55386	8329	6.6	2		51		6.0020E-10
30	13.25		0.0000	0.0005%	22612	5040	4.5	2		51		6.0020E-10
31	13.44		0.0001	0.0030%	132474	29739	4.5	2		51		6.0020E-10
32	13.80		0.0000	0.0005%	23339	5139	4.5	2		51		6.0020E-10
33	13.97		0.0000	0.0005%	22960	4572	5.0	2		51		6.0020E-10
34	14.14		0.0000	0.0006%	25575	5425	4.7	2		51		6.0020E-10
35	14.32		0.0000	0.0006%	28404	5826	4.9	2		51		6.0020E-10

36	14.42		0.0000	0.0011%	44666	7167	5.4	2		51		6.0020E-10
37	14.71		0.0000	0.0007%	32527	6937	4.7	2		51		6.0020E-10
38	14.87		0.0000	0.0002%	9228	1908	4.8	2		51		6.0020E-10
39	15.09		0.0000	0.0004%	19838	4380	4.5	1		51		6.0020E-10
40	15.42		0.0000	0.0000%	1265	250	5.1	1		51		6.0020E-10
41	15.71		0.0000	0.0001%	2307	460	5.0	2		51		6.0020E-10
42	15.99		0.0000	0.0005%	21457	3955	5.4	2		51		6.0020E-10
43	16.18		0.0000	0.0003%	11174	1308	8.5	2		51		6.0020E-10
44	16.56		0.0000	0.0004%	17247	1621	10.6	2		51		6.0020E-10
45	16.94		0.0000	0.0002%	11005	986	11.2	2		51		6.0020E-10
46	17.38		0.0000	0.0000%	1751	232	7.6	2		51		6.0020E-10
47	18.00		0.0000	0.0001%	4178	663	6.3	1		51		6.0020E-10
48	18.36		0.0000	0.0000%	1402	274	5.1	2		51		6.0020E-10
49	18.53		0.0000	0.0002%	7405	1201	6.2	2		51		6.0020E-10
50	20.43		0.0000	0.0001%	2652	350	7.6	1		51		6.0020E-10
51	20.99	MIREX	1.0000	0.0000%	166611	18014	9.2	1	51	51	0	6.0020E-06
52	26.45		0.0000	0.0001%	3807	297	12.8	1		51		6.0020E-10

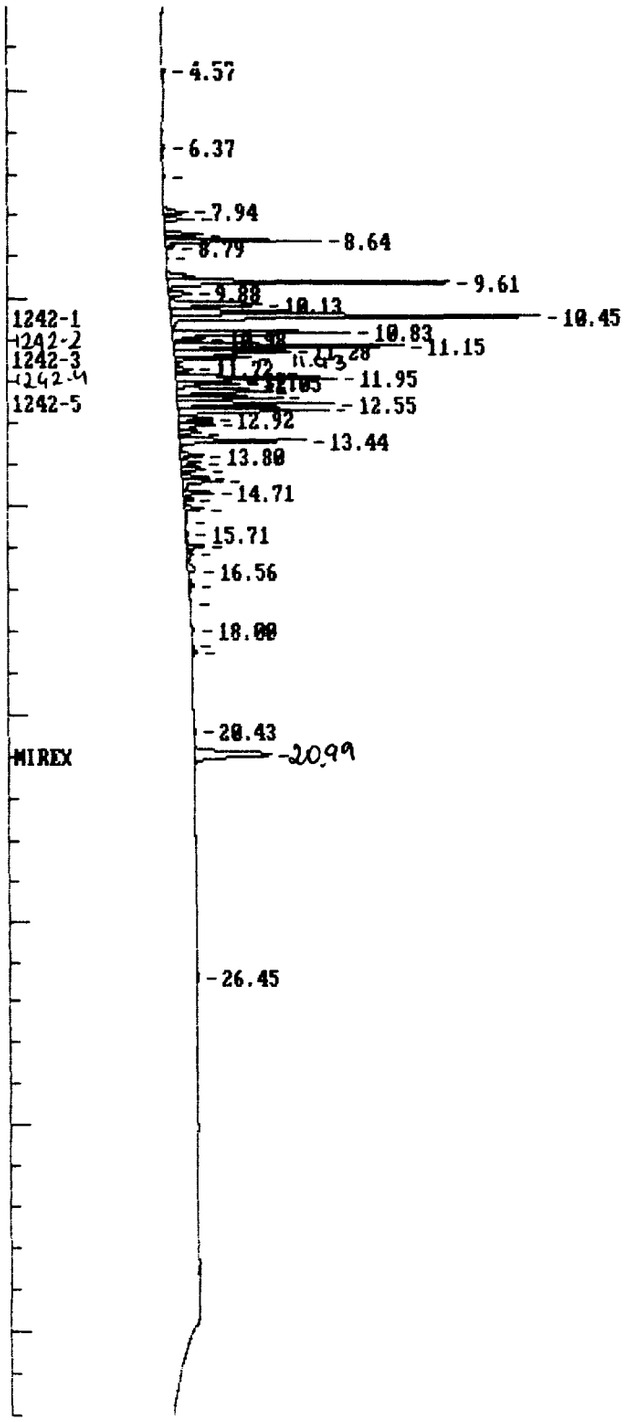
TOTAL AMOUNT = 2.6497

AU(n=5) = 0.530

KM
6-01-93

PRIMARY COLUMN

Data File = j:1HOD29.PTS Printed on 05-29-1993 at 12:40:31
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
1-6-93

PRIMARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-27-1993 12:55:07 Version 4.1 **********

* Sample Name: 1242 L3 #2 Data File: J:1HOD37 *
* Date: 05-26-1993 17:14:19 Method: J:1_1242 05-26-1993 09:46:45 # 412 *
* Interface: 0 Cycle#: 37 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/µML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.55		0.0000	0.0001%	2757	603	4.6	1		51		6.0128E-10
2	6.37		0.0000	0.0001%	2470	602	4.1	1		51		6.0128E-10
3	7.07		0.0000	0.0001%	2933	507	5.8	1		51		6.0128E-10
4	7.94		0.0000	0.0006%	27836	5624	4.9	2		51		6.0128E-10
5	8.11		0.0000	0.0006%	28972	7349	3.9	2		51		6.0128E-10
6	8.48		0.0000	0.0008%	36084	9227	3.9	2		51		6.0128E-10
7	8.63		0.0001	0.0031%	150190	36338	4.1	3		51		6.0128E-10
8	8.79		0.0000	0.0001%	6688	1790	3.7	4		51		6.0128E-10
9	9.06		0.0000	0.0000%	1287	331	3.9	2		51		6.0128E-10
10	9.46		0.0000	0.0006%	30804	6180	5.0	2		51		6.0128E-10
11	9.61		0.0002	0.0065%	312492	69652	4.5	2		51		6.0128E-10
12	9.88		0.0000	0.0006%	27758	5295	5.2	2		51		6.0128E-10
13	10.13		0.0001	0.0029%	136667	22065	6.2	2		51		6.0128E-10
14	10.31		0.0001	0.0028%	135817	27937	4.9	2		51		6.0128E-10
15	10.45	1242-1	0.5856	20.3439%	552804	91388	6.0	2	51	51	.1591	1.0593E-06
16	10.82	1242-2	0.5668	19.6903%	234381	43690	5.4	2	51	51	0	2.4181E-06
17	11.15		0.0002	0.0053%	254968	54924	4.6	2		51		6.0128E-10
18	11.27		0.0001	0.0037%	176089	27893	6.3	2		51		6.0128E-10
19	11.43	1242-3	0.5666	19.6847%	95797	18930	5.1	3	51	51	0	5.9146E-06
20	11.60		0.0000	0.0001%	3749	913	4.1	4		51		6.0128E-10
21	11.72		0.0000	0.0004%	18329	4340	4.2	2		51		6.0128E-10
22	11.93	1242-4	0.5741	19.9451%	219481	40549	5.4	2	51	51	.0191	2.6157E-06
23	12.05		0.0000	0.0016%	78384	16001	4.9	2		51		6.0128E-10
24	12.25		0.0001	0.0029%	140454	21907	6.4	2		51		6.0128E-10
25	12.42		0.0001	0.0027%	126918	26489	4.8	2		51		6.0128E-10
26	12.55	1242-5	0.5839	20.2843%	169081	38012	4.4	2	51	51	.1591	3.4532E-06
27	12.72		0.0001	0.0041%	196917	37437	5.3	2		51		6.0128E-10
28	12.92		0.0000	0.0009%	45270	8288	5.5	2		51		6.0128E-10
29	13.04		0.0000	0.0012%	57228	8565	6.7	2		51		6.0128E-10
30	13.24		0.0000	0.0005%	23566	5415	4.4	2		51		6.0128E-10
31	13.44		0.0001	0.0030%	141401	32408	4.4	2		51		6.0128E-10
32	13.80		0.0000	0.0005%	23572	5103	4.6	2		51		6.0128E-10
33	13.97		0.0000	0.0005%	23558	4546	5.2	2		51		6.0128E-10
34	14.12		0.0000	0.0005%	25959	5537	4.7	2		51		6.0128E-10
35	14.32		0.0000	0.0006%	27650	6299	4.4	2		51		6.0128E-10

36	14.42		0.0000	0.0012%	155[illegible]	[illegible]521	5.8	2		5[illegible]	6.0128E-10
37	14.71		0.0000	0.0007%	35102	7385	4.8	2		51	6.0128E-10
38	14.87		0.0000	0.0002%	10456	2102	5.0	2		51	6.0128E-10
39	15.09		0.0000	0.0005%	22151	4618	4.8	2		51	6.0128E-10
40	15.27		0.0000	0.0000%	1596	361	4.4	2		51	6.0128E-10
41	15.69		0.0000	0.0000%	2288	486	4.7	2		51	6.0128E-10
42	15.99		0.0000	0.0005%	22838	4390	5.2	2		51	6.0128E-10
43	16.18		0.0000	0.0003%	12589	1396	9.0	2		51	6.0128E-10
44	16.56		0.0000	0.0004%	19224	1707	11.3	2		51	6.0128E-10
45	16.93		0.0000	0.0003%	12068	1030	11.7	2		51	6.0128E-10
46	17.36		0.0000	0.0000%	2074	253	8.2	2		51	6.0128E-10
47	18.00		0.0000	0.0001%	3722	654	5.7	1		51	6.0128E-10
48	18.36		0.0000	0.0000%	1375	255	5.4	2		51	6.0128E-10
49	18.51		0.0000	0.0002%	7569	1216	6.2	2		51	6.0128E-10
50	20.42		0.0000	0.0001%	2850	369	7.7	1		51	6.0128E-10
51	20.99	MIREX	1.0000	0.0000%	166313	17979	9.3	1	51	51	0 6.0128E-06
52	26.43		0.0000	0.0001%	3822	296	12.9	1		51	6.0128E-10

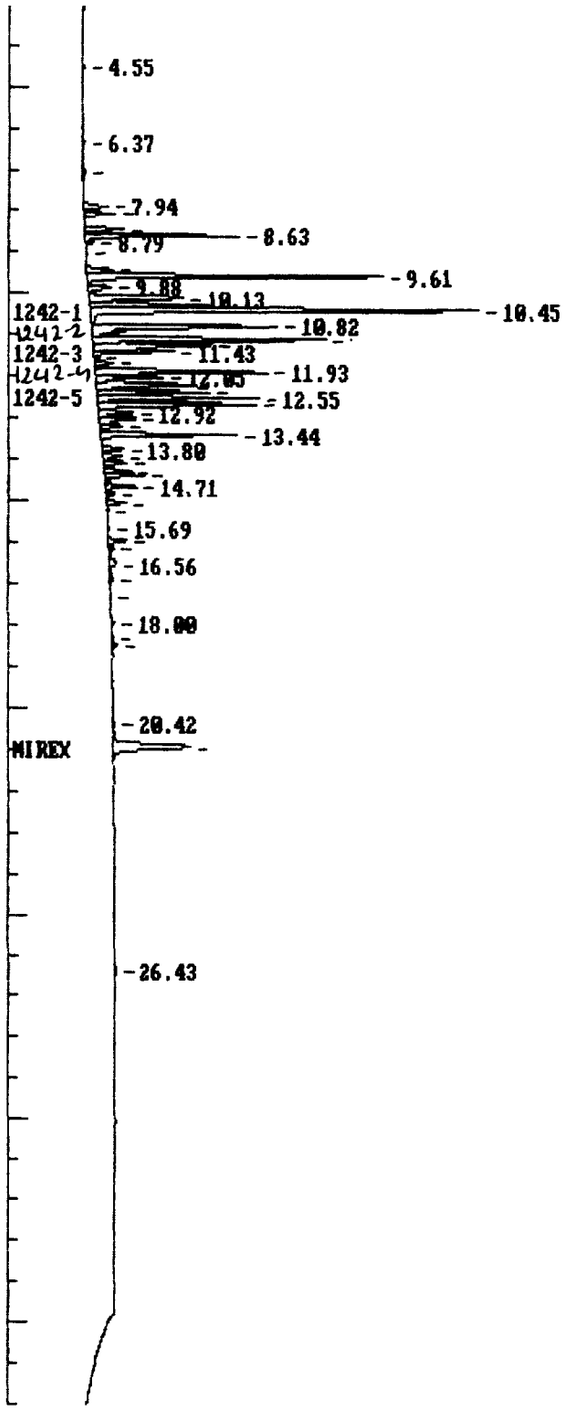
TOTAL AMOUNT = 2.8784

AU(n=5): 0.575

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD37.PTS Printed on 05-27-1993 at 12:56:13
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

```
*****    INTERNAL STANDARD TABLE    *****
******************** 05-29-1993 12:50:12 Version 4.1 **********************
* Sample Name: 1242 L3 #3                          Data File: J:1HOD45      *
* Date: 05-26-1993 22:42:48 Method: J:1_1242 05-29-1993 12:00:43  #  415  *
* Interface: 0   Cycle#:  45   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~     *
* Misc. Information: H.O.D. LANDFILL                  ~~SCRN:~~        *  *
*************************************************************************
Starting Delay:    3.00                      Ending retention time:   37.00
Area reject:       500                       One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.55		0.0000	0.0000%	2151	465	4.6	1		53		5.9438E-10
2	6.36		0.0000	0.0001%	2607	659	4.0	1		53		5.9438E-10
3	7.07		0.0000	0.0001%	3139	493	6.4	1		53		5.9438E-10
4	7.94		0.0000	0.0006%	27941	5530	5.1	2		53		5.9438E-10
5	8.11		0.0000	0.0006%	29621	7442	4.0	2		53		5.9438E-10
6	8.48		0.0000	0.0008%	36673	9351	3.9	2		53		5.9438E-10
7	8.63		0.0001	0.0032%	153846	39758	3.9	3		53		5.9438E-10
8	8.78		0.0000	0.0001%	6660	1796	3.7	4		53		5.9438E-10
9	9.06		0.0000	0.0000%	1230	318	3.9	2		53		5.9438E-10
10	9.46		0.0000	0.0006%	30543	6583	4.6	2		53		5.9438E-10
11	9.61		0.0002	0.0065%	318706	70405	4.5	2		53		5.9438E-10
12	9.86		0.0000	0.0006%	28561	5537	5.2	2		53		5.9438E-10
13	10.11		0.0001	0.0028%	136542	22986	5.9	2		53		5.9438E-10
14	10.30		0.0001	0.0030%	147093	28918	5.1	2		53		5.9438E-10
15	10.43	1242-1	0.5853	20.2244%	558913	93632	6.0	2	53	53	.1584	1.0472E-06
16	10.82	1242-2	0.5196	17.9546%	217359	46282	4.7	3	53	53	.1641	2.3904E-06
17	10.97		0.0000	0.0006%	28100	6823	4.1	4		53		5.9438E-10
18	11.13		0.0002	0.0054%	263208	58719	4.5	2		53		5.9438E-10
19	11.27		0.0001	0.0035%	170982	29284	5.8	2		53		5.9438E-10
20	11.42	1242-3	0.5989	20.6948%	102428	18766	5.5	3	53	53	0	5.8468E-06
21	11.60		0.0000	0.0001%	3538	901	3.9	4		53		5.9438E-10
22	11.72		0.0000	0.0004%	18825	4263	4.4	2		53		5.9438E-10
23	11.93	1242-4	0.5956	20.5830%	230357	40842	5.6	2	53	53	.1786	2.5857E-06
24	12.03		0.0000	0.0015%	72209	15695	4.6	2		53		5.9438E-10
25	12.24		0.0001	0.0029%	142340	23053	6.2	2		53		5.9438E-10
26	12.40		0.0001	0.0026%	128936	27055	4.8	2		53		5.9438E-10
27	12.54	1242-5	0.5930	20.4916%	173716	40796	4.3	2	53	53	.1853	3.4136E-06
28	12.70		0.0001	0.0041%	201224	39103	5.1	2		53		5.9438E-10
29	12.92		0.0000	0.0009%	45960	8174	5.6	2		53		5.9438E-10
30	13.04		0.0000	0.0012%	58816	8856	6.6	2		53		5.9438E-10
31	13.24		0.0000	0.0005%	24738	5440	4.5	2		53		5.9438E-10
32	13.42		0.0001	0.0030%	145370	32460	4.5	2		53		5.9438E-10
33	13.79		0.0000	0.0005%	23984	5281	4.5	2		53		5.9438E-10
34	13.96		0.0000	0.0005%	23702	4755	5.0	2		53		5.9438E-10
35	14.12		0.0000	0.0005%	26568	5716	4.6	2		53		5.9438E-10

36	14.41	[illegible]	[illegible]	[illegible]	5154	4.[illegible]	2		53		5.9438E-10
37	14.41	0.0000	0.0009%	41570	9221	4.5	2		53		5.9438E-10
38	14.69	0.0000	0.0006%	30837	7180	4.3	2		53		5.9438E-10
39	14.87	0.0000	0.0002%	8203	1827	4.5	2		53		5.9438E-10
40	15.07	0.0000	0.0004%	21747	4700	4.6	2		53		5.9438E-10
41	15.26	0.0000	0.0000%	1903	407	4.7	2		53		5.9438E-10
42	15.41	0.0000	0.0000%	1831	304	6.0	2		53		5.9438E-10
43	15.68	0.0000	0.0000%	2373	496	4.8	2		53		5.9438E-10
44	15.98	0.0000	0.0005%	22818	4433	5.1	2		53		5.9438E-10
45	16.16	0.0000	0.0002%	10960	1304	8.4	2		53		5.9438E-10
46	16.54	0.0000	0.0003%	16029	1566	10.2	2		53		5.9438E-10
47	16.79	0.0000	0.0000%	1019	253	4.0	1		53		5.9438E-10
48	17.35	0.0000	0.0000%	1705	241	7.1	1		53		5.9438E-10
49	17.98	0.0000	0.0001%	3715	662	5.6	1		53		5.9438E-10
50	18.35	0.0000	0.0000%	1430	274	5.2	2		53		5.9438E-10
51	18.50	0.0000	0.0002%	7817	1241	6.3	2		53		5.9438E-10
52	20.40	0.0000	0.0001%	2677	361	7.4	1		53		5.9438E-10
53	20.95 MIREX	1.0000	0.0000%	168241	18363	9.2	1	53	53	0	5.9438E-06
54	26.38	0.0000	0.0001%	3841	299	12.8	1		53		5.9438E-10

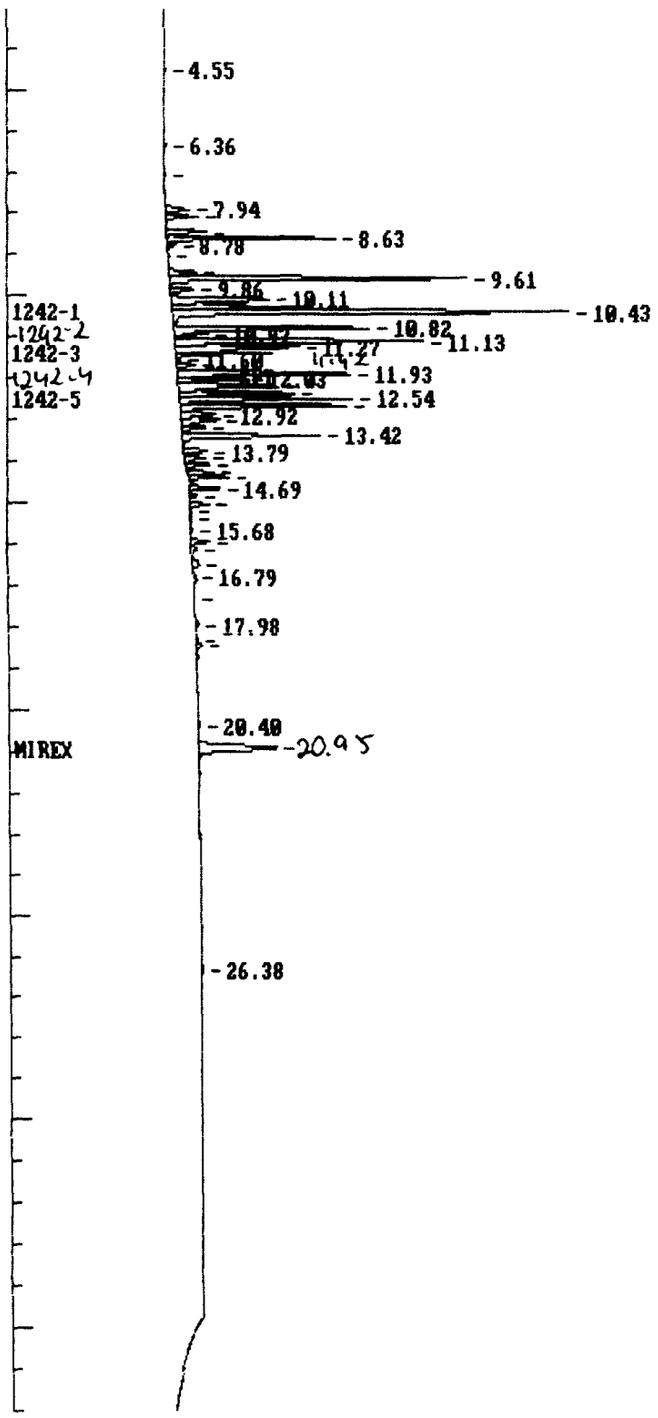
TOTAL AMOUNT = 2.8939

AU(n=5) = 0.578

KM
1-6-93

PRIMARY COLUMN

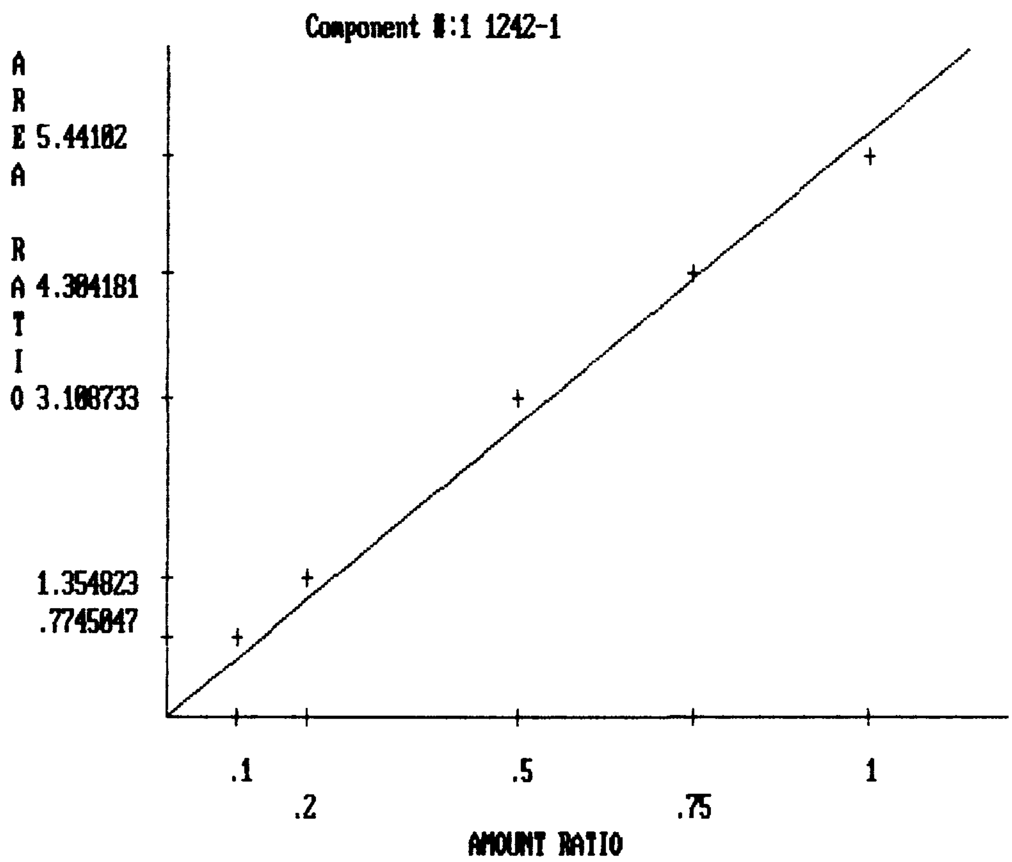
Data File = J:1HOD45.PTS Printed on 05-29-1993 at 12:48:58
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
1-6-93

PRIMARY COLUMN

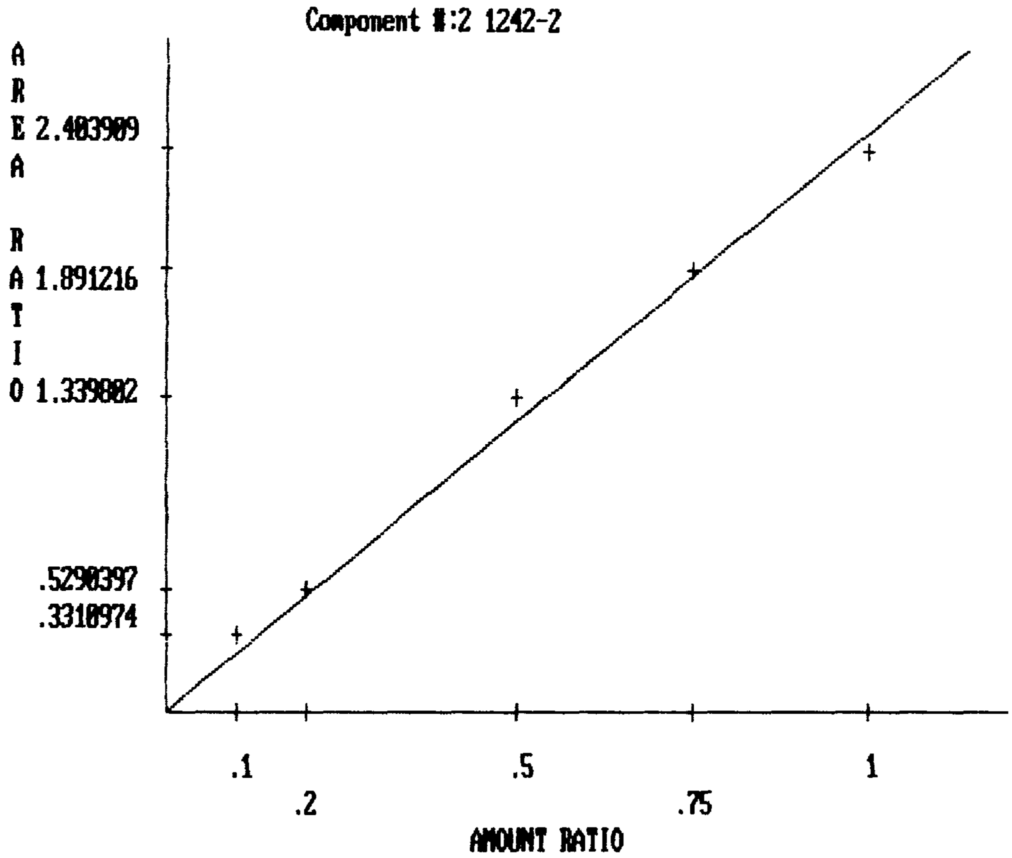
Method J:1_1242 wn
Sample AROCLOR 1242 METHOD DB-608COLUMN
Operator KM
Run date 05-26-1993 09:46:45 version: 412
Printed on 05-26-1993 AT 10:37:00
Straight Line Fit forced through Origin.



Component 1 = 1242-1
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	118234	0.1000	0.7745
2	0.2000	217363	0.2000	1.3548
3	0.5000	500392	0.5000	3.1087
4	0.7500	706743	0.7500	4.3042
5	1.0000	902261	1.0000	5.4410

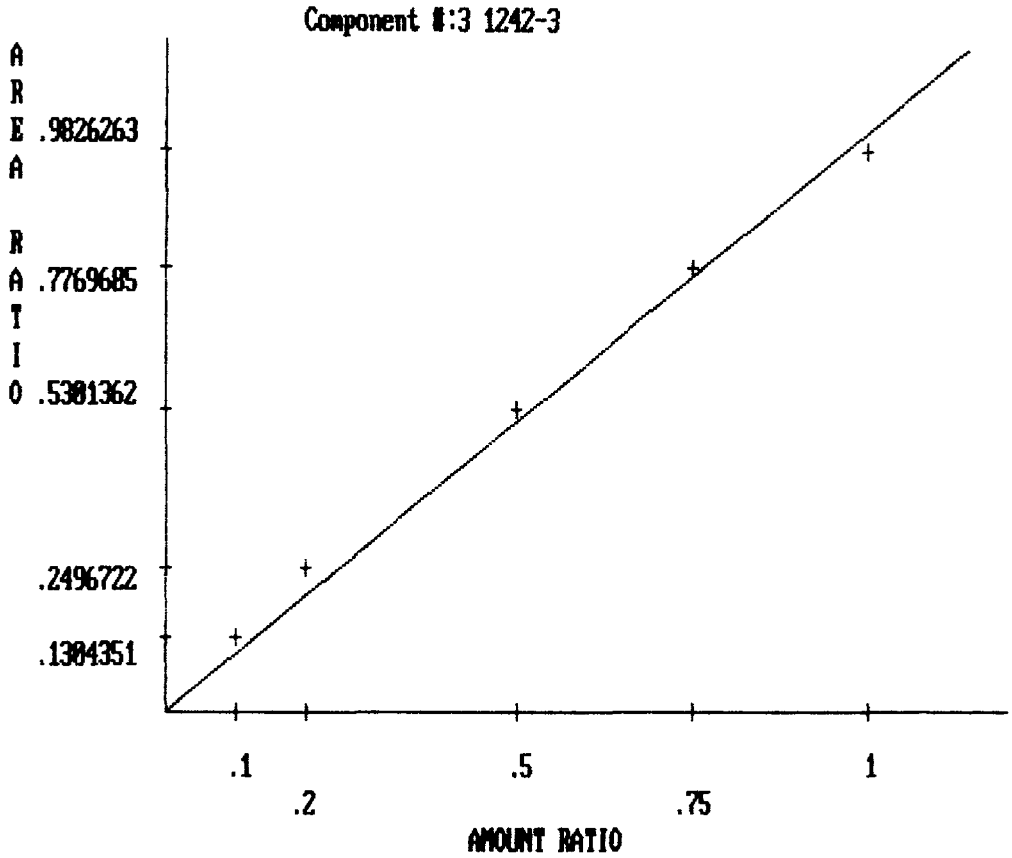
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 5.6762E+00 * Amt ratio + 0.0000E+00
Amt ratio = 1.7617E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9963



Component 2 = 1242-2
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	50545	0.1000	0.3311
2	0.2000	84877	0.2000	0.5290
3	0.5000	215659	0.5000	1.3398
4	0.7500	310536	0.7500	1.8912
5	1.0000	398630	1.0000	2.4039

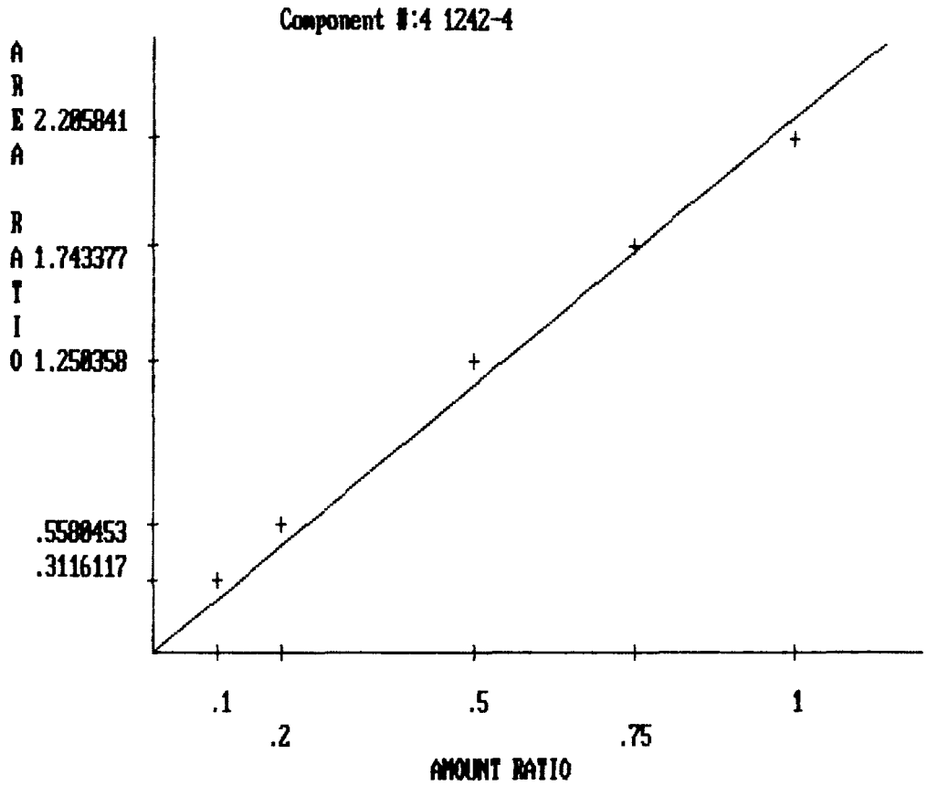
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.4865E+00 * Amt ratio + 0.0000E+00
Amt ratio = 4.0217E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9979



Component 3 = 1242-3
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	19912	0.1000	0.1304
2	0.2000	40057	0.2000	0.2497
3	0.5000	85332	0.5000	0.5301
4	0.7500	127578	0.7500	0.7770
5	1.0000	162945	1.0000	0.9826

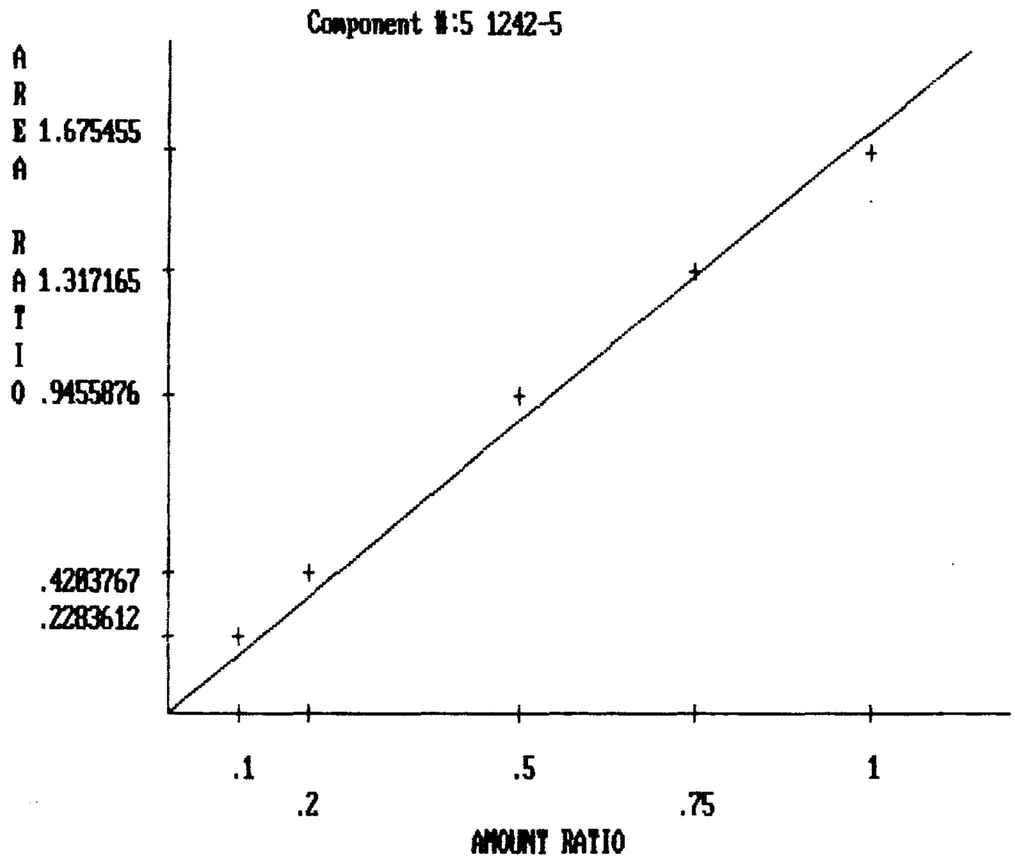
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.0166E+00 * Amt ratio + 0.0000E+00
Amt ratio = 9.8368E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9975



Component 4 = 1242-4
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	47570	0.1000	0.3116
2	0.2000	89531	0.2000	0.5580
3	0.5000	201262	0.5000	1.2504
4	0.7500	286261	0.7500	1.7434
5	1.0000	365785	1.0000	2.2058

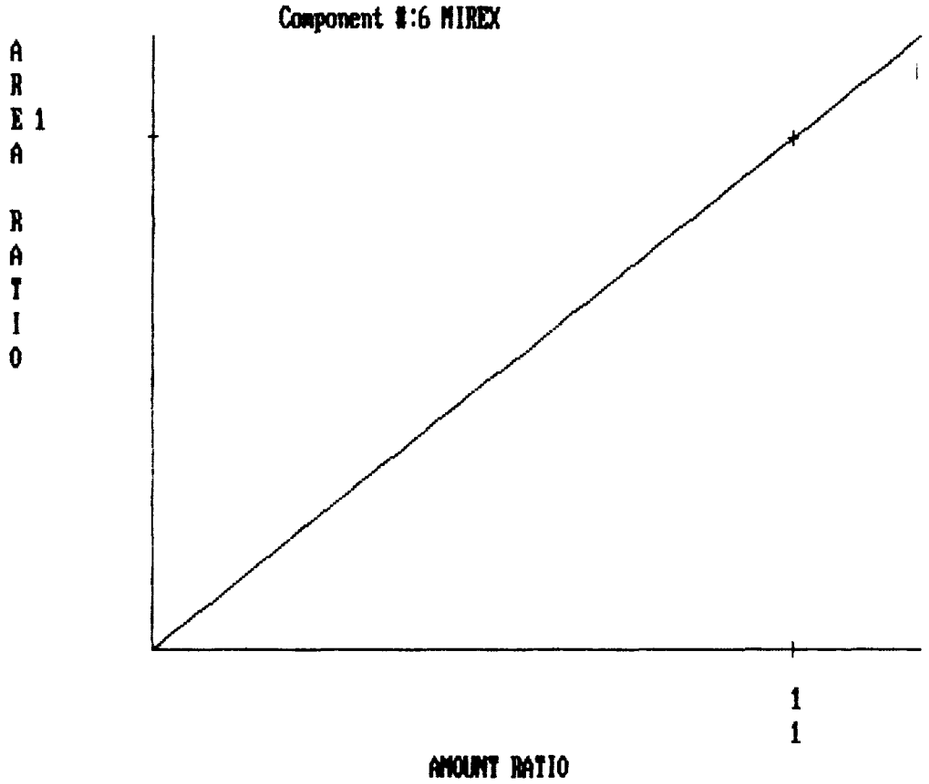
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.2987E+00 * Amt ratio + 0.0000E+00
Amt ratio = 4.3503E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9964



Component 5 = 1242-5
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	34861	0.1000	0.2284
2	0.2000	67444	0.2000	0.4204
3	0.5000	152205	0.5000	0.9456
4	0.7500	216278	0.7500	1.3172
5	1.0000	277834	1.0000	1.6755

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.7412E+00 * Amt ratio + 0.0000E+00
Amt ratio = 5.7431E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9968



Component 6 = MIREX
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	1.0000	152658	1.0000	1.0000
2	1.0000	160437	1.0000	1.0000
3	1.0000	160963	1.0000	1.0000
4	1.0000	164199	1.0000	1.0000
5	1.0000	165826	1.0000	1.0000

Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 1.0000E+00 * Amt ratio + 0.0000E+00

Amt ratio = 1.0000E+00 * Area ratio + 0.0000E+00

Correlation Coefficient = 1.0000

SECONDARY COLUMN

```
******   INTERNAL STANDARD TABLE   ******
******************** 05-26-1993 13:34:08 Version 4.1 **********************
* Sample Name: 1242 L1                          Data File: J:2HOD15        *
* Date: 05-26-1993 02:03:21 Method: J:2_1242  05-26-1993 10:15:10  #  358 *
* Interface: 0   Cycle#:  15   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                  H.O.D. LANDFILL    *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.02		0.0020	0.0538%	910	49	18.7	1		56		2.1627E-06
2	5.17		0.0306	0.8377%	14158	3704	3.8	2		56		2.1627E-06
3	5.47		0.0008	0.0221%	373	81	4.6	2		56		2.1627E-06
4	5.67		0.0017	0.0474%	802	238	3.4	1		56		2.1627E-06
5	6.12		0.0031	0.0847%	1432	291	4.9	1		56		2.1627E-06
6	6.54		0.0028	0.0775%	1311	261	5.0	1		56		2.1627E-06
7	6.87		0.0012	0.0334%	564	132	4.3	2		56		2.1627E-06
8	7.01		0.0270	0.7381%	12475	2993	4.2	2		56		2.1627E-06
9	7.53		0.0312	0.8547%	14444	3325	4.3	2		56		2.1627E-06
10	7.76		0.0360	0.9848%	16643	4301	3.9	2		56		2.1627E-06
11	7.89		0.1650	4.5152%	76310	18560	4.1	3		56		2.1627E-06
12	8.16		0.0003	0.0073%	123	34	3.6	4		56		2.1627E-06
13	8.34		0.0268	0.7327%	12384	3074	4.0	2		56		2.1627E-06
14	8.81	1242-1	0.1433	3.9218%	156848	24888	6.3	2	56	56	0	9.1394E-07
15	9.03		0.0244	0.6675%	11281	2755	4.1	2		56		2.1627E-06
16	9.23	1242-2	0.1318	3.6048%	80057	19501	4.1	3	56	56	0	1.6459E-06
17	9.41		0.0002	0.0051%	86	40	2.2	4		56		2.1627E-06
18	9.58		0.0951	2.6029%	43992	7291	6.0	2		56		2.1627E-06
19	9.78		0.5476	14.9815%	253198	46045	5.5	2		56		2.1627E-06
20	10.01	1242-3	0.1400	3.8306%	108797	25529	4.3	2	56	56	0	1.2869E-06
21	10.16	1242-4	0.1341	3.6689%	70978	16014	4.4	2	56	56	-.1640	1.8894E-06
22	10.30		0.0464	1.2706%	21474	5139	4.2	2		56		2.1627E-06
23	10.50		0.3801	10.3991%	175752	17156	10.2	2		56		2.1627E-06
24	10.83		0.0158	0.4318%	7298	1697	4.3	2		56		2.1627E-06
25	10.97		0.1593	4.3592%	73674	17937	4.1	2		56		2.1627E-06
26	11.05		0.1549	4.2369%	71607	14609	4.9	2		56		2.1627E-06
27	11.23		0.1629	4.4555%	75302	15133	5.0	2		56		2.1627E-06
28	11.42		0.0500	1.3678%	23117	4787	4.8	2		56		2.1627E-06
29	11.80		0.2755	7.5379%	127396	20021	6.4	2		56		2.1627E-06
30	11.90		0.2172	5.9434%	100449	20861	4.8	2		56		2.1627E-06
31	12.08		0.0182	0.4991%	8435	1578	5.3	2		56		2.1627E-06

33	12.42		[illegible]	1.7[illegible]4%	29363	5175	4.8	2		56		2.1627E-06
34	12.55		0.0230	0.6285%	10622	2528	4.2	2		56		2.1627E-06
35	12.95		0.0253	0.6914%	11685	2069	5.6	2		56		2.1627E-06
36	13.07		0.0304	0.8309%	14044	3080	4.6	2		56		2.1627E-06
37	13.19		0.0159	0.4346%	7345	1738	4.2	2		56		2.1627E-06
38	13.30		0.0558	1.5266%	25800	5677	4.5	2		56		2.1627E-06
39	13.60		0.0131	0.3590%	6068	1643	3.7	1		56		2.1627E-06
40	13.92		0.0428	1.1716%	19801	3879	5.1	2		56		2.1627E-06
41	14.11		0.0054	0.1473%	2490	463	5.4	2		56		2.1627E-06
42	14.47		0.0292	0.7994%	13510	1470	9.2	2		56		2.1627E-06
43	14.61		0.0420	1.1479%	19401	3233	6.0	2		56		2.1627E-06
44	14.84		0.0439	1.2000%	20280	2395	8.5	2		56		2.1627E-06
45	15.09		0.0207	0.5672%	9587	1165	8.2	2		56		2.1627E-06
46	15.22		0.0245	0.6701%	11325	1306	8.7	2		56		2.1627E-06
47	15.46		0.0114	0.3123%	5278	549	9.6	2		56		2.1627E-06
48	15.76		0.0262	0.7161%	12103	887	13.6	2		56		2.1627E-06
49	16.18		0.0004	0.0098%	166	45	3.7	1		56		2.1627E-06
50	16.43		0.0040	0.1082%	1829	372	4.9	2		56		2.1627E-06
51	16.61		0.0025	0.0674%	1139	198	5.7	2		56		2.1627E-06
52	16.76		0.0022	0.0604%	1021	163	6.3	2		56		2.1627E-06
53	17.01		0.0015	0.0423%	716	92	7.8	2		56		2.1627E-06
54	17.36		0.0184	0.5040%	8519	785	10.9	2		56		2.1627E-06
55	18.55		0.0030	0.0817%	1381	197	7.0	2		56		2.1627E-06
56	18.80	MIREX	1.0000	0.0000%	462375	60498	7.6	3	56	56	0	2.1627E-06
57	19.15		0.0041	0.1127%	1905	258	7.4	4		56		2.1627E-06
58	21.69		0.0020	0.0548%	927	122	7.6	1		56		2.1627E-06

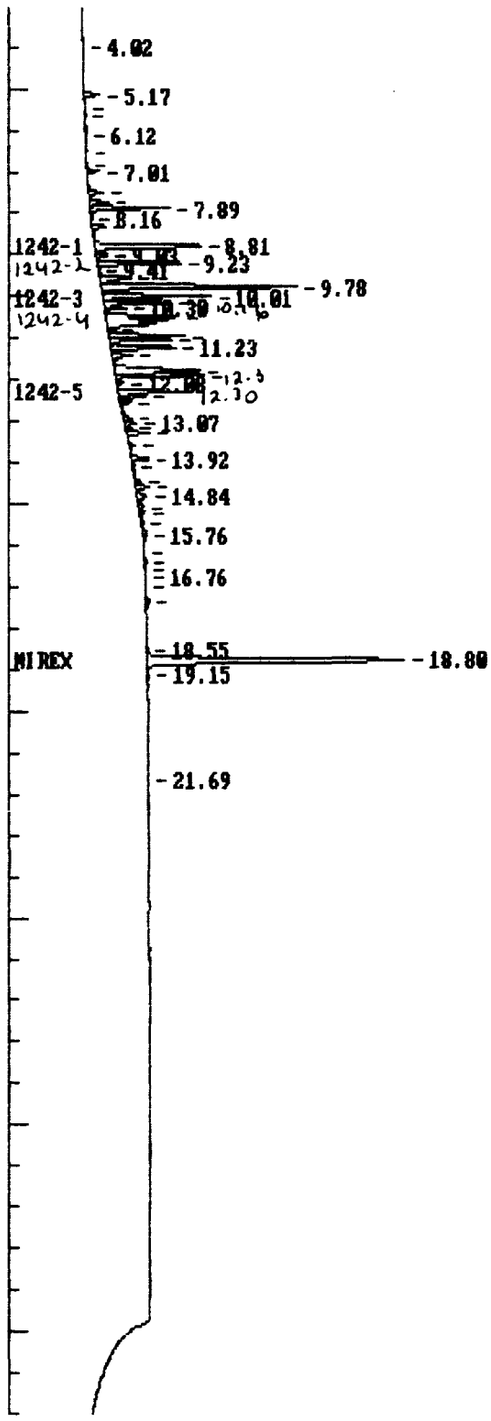
TOTAL AMOUNT = 3.6552

AU(n=5) = 0.134

KM
5-26-93

SECONDARY COLUMN

Data File = J:2HOD15.PTS Printed on 05-26-1993 at 13:35:29
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-26-1993 13:36:24 Version 4.1 **********************
* Sample Name: 1242 L2                          Data File: J:2HOD16       *
* Date: 05-26-1993 02:44:54 Method: J:2_1242  05-26-1993 10:15:10  #  358 *
* Interface: 0   Cycle#:  16   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF    *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.02		0.0033	0.0474%	1630	107	15.2	2		61		2.0530E-06
2	4.19		0.0015	0.0216%	743	93	8.0	2		61		2.0530E-06
3	5.17		0.0306	0.4332%	14906	3698	4.0	2		61		2.0530E-06
4	5.47		0.0012	0.0172%	591	118	5.0	2		61		2.0530E-06
5	5.69		0.0037	0.0522%	1797	485	3.7	1		61		2.0530E-06
6	6.12		0.0024	0.0344%	1182	239	4.9	1		61		2.0530E-06
7	6.54		0.0029	0.0408%	1403	288	4.9	1		61		2.0530E-06
8	6.87		0.0011	0.0152%	523	126	4.1	2		61		2.0530E-06
9	7.01		0.0477	0.6748%	23219	5645	4.1	2		61		2.0530E-06
10	7.53		0.0533	0.7548%	25971	6126	4.2	2		61		2.0530E-06
11	7.76		0.0636	0.9001%	30973	8063	3.8	2		61		2.0530E-06
12	7.89		0.2816	3.9860%	137155	33356	4.1	2		61		2.0530E-06
13	8.34		0.0466	0.6592%	22683	5789	3.9	1		61		2.0530E-06
14	8.81	1242-1	0.2467	3.4919%	284327	45170	6.3	2	61	61	0	8.6757E-07
15	9.05		0.0457	0.6464%	22243	5357	4.2	2		61		2.0530E-06
16	9.23	1242-2	0.2321	3.2849%	148527	36737	4.0	3	61	61	0	1.5624E-06
17	9.41		0.0009	0.0134%	462	160	2.9	4		61		2.0530E-06
18	9.58		0.1697	2.4017%	82640	13449	6.1	2		61		2.0530E-06
19	9.80		0.9578	13.5585%	466532	83962	5.6	2		61		2.0530E-06
20	10.01	1242-3	0.2435	3.4463%	199283	47585	4.2	2	61	61	0	1.2216E-06
21	10.18	1242-4	0.2363	3.3444%	131726	29532	4.5	2	61	61	0	1.7935E-06
22	10.30		0.0880	1.2453%	42849	10141	4.2	2		61		2.0530E-06
23	10.50		0.3056	4.3262%	148860	31085	4.8	2		61		2.0530E-06
24	10.62		0.4088	5.7870%	199124	25979	7.7	3		61		2.0530E-06
25	10.85		0.0151	0.2141%	7367	1896	3.9	4		61		2.0530E-06
26	10.97		0.5334	7.5511%	259827	33970	7.6	2		61		2.0530E-06
27	11.23		0.3026	4.2840%	147408	28839	5.1	2		61		2.0530E-06
28	11.43		0.1074	1.5209%	52334	9581	5.5	2		61		2.0530E-06
29	11.65		0.0194	0.2745%	9446	2504	3.8	2		61		2.0530E-06
30	11.75		0.1799	2.5460%	87605	21365	4.1	2		61		2.0530E-06
31	11.90		0.7235	10.2414%	352394	38011	9.3	3		61		2.0530E-06
32	12.08		0.0404	0.5721%	19685	7710	5.9	4		61		[illegible]

32	12.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	12.30	1242-5	0.2121	3.2859%	145587	30651	4.8	2	61	61	0	1.5835E-06
34	12.44		0.1193	1.6886%	58104	12260	4.7	2		61		2.0530E-06
35	12.55		0.0623	0.8824%	30363	5564	5.5	3		61		2.0530E-06
36	12.72		0.0077	0.1094%	3764	761	4.9	4		61		2.0530E-06
37	12.95		0.0737	1.0430%	35890	4836	7.4	2		61		2.0530E-06
38	13.07		0.0683	0.9662%	33246	6793	4.9	2		61		2.0530E-06
39	13.19		0.0432	0.6110%	21024	4352	4.8	2		61		2.0530E-06
40	13.32		0.1367	1.9354%	66595	12074	5.5	2		61		2.0530E-06
41	13.60		0.0513	0.7260%	24980	4489	5.6	2		61		2.0530E-06
42	13.72		0.0229	0.3249%	11178	1821	6.1	2		61		2.0530E-06
43	13.94		0.1273	1.8021%	62007	8884	7.0	2		61		2.0530E-06
44	14.32		0.0674	0.9541%	32830	1750	18.8	2		61		2.0530E-06
45	14.49		0.0497	0.7039%	24220	3441	7.0	2		61		2.0530E-06
46	14.62		0.0987	1.3970%	48069	7223	6.7	2		61		2.0530E-06
47	14.84		0.0793	1.1230%	38640	3536	10.9	2		61		2.0530E-06
48	15.09		0.0436	0.6178%	21257	2033	10.5	2		61		2.0530E-06
49	15.22		0.0705	0.9974%	34319	3322	10.3	2		61		2.0530E-06
50	15.46		0.0397	0.5622%	19346	1969	9.8	2		61		2.0530E-06
51	15.78		0.1189	1.6830%	57912	3139	18.4	2		61		2.0530E-06
52	16.04		0.0275	0.3896%	13404	1464	9.2	2		61		2.0530E-06
53	16.19		0.0186	0.2630%	9049	1094	8.3	2		61		2.0530E-06
54	16.43		0.0313	0.4436%	15264	1535	9.9	2		61		2.0530E-06
55	16.61		0.0153	0.2165%	7449	868	8.6	2		61		2.0530E-06
56	16.78		0.0102	0.1438%	4949	577	8.6	2		61		2.0530E-06
57	17.01		0.0024	0.0336%	1157	125	9.3	2		61		2.0530E-06
58	17.36		0.0247	0.3499%	12041	1570	7.7	1		61		2.0530E-06
59	17.91		0.0014	0.0201%	693	89	7.8	1		61		2.0530E-06
60	18.55		0.0057	0.0803%	2765	406	6.8	2		61		2.0530E-06
61	18.80	MIREX	1.0000	0.0000%	487089	63098	7.7	3	61	61	0	2.0530E-06
62	19.15		0.0078	0.1107%	3809	499	7.6	4		61		2.0530E-06
63	20.65		0.0023	0.0332%	1143	132	8.7	1		61		2.0530E-06
64	21.70		0.0049	0.0692%	2382	283	8.4	1		61		2.0530E-06
65	24.74		0.0032	0.0460%	1582	142	11.1	1		61		2.0530E-06

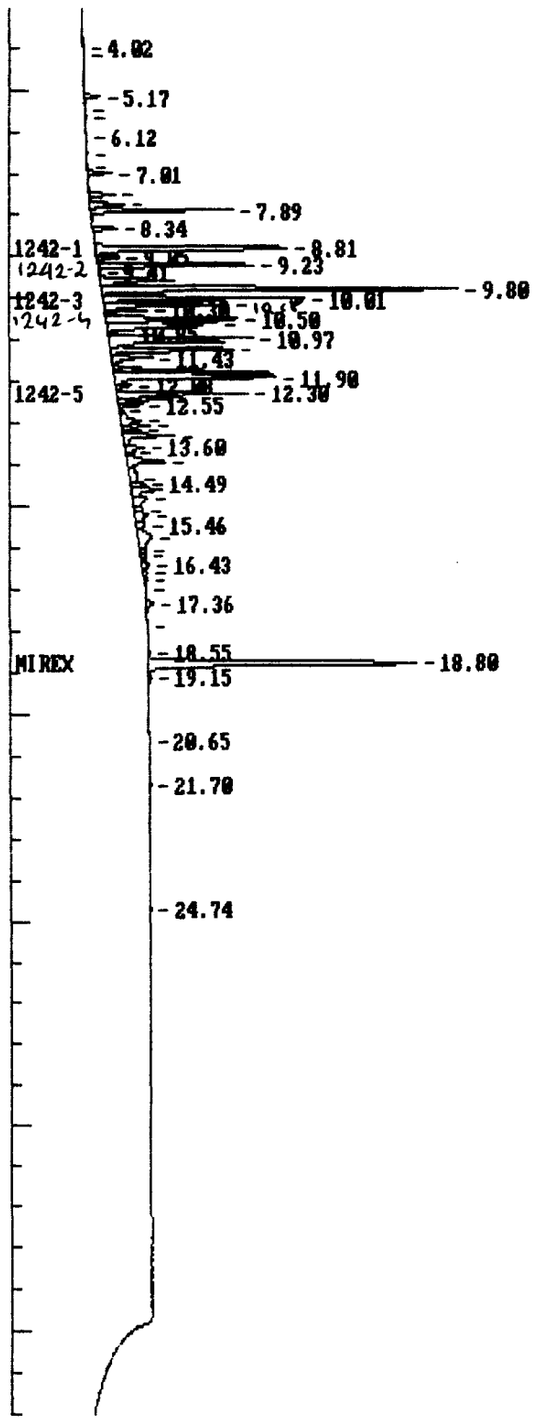
TOTAL AMOUNT = 7.0642

AU(n=5) = 0.238

KM
5-26-93

SECONDARY COLUMN

Data File = J:2HOD16.PTS Printed on 05-26-1993 at 13:37:48
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 13:38:45 Version 4.1 **********************
* Sample Name: 1242 L3                          Data File: J:2HOD17        *
* Date: 05-26-1993 03:26:27 Method: J:2_1242  05-26-1993 10:15:10  #  358 *
* Interface: 0   Cycle#:  17   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.02		0.0024	0.0152%	1138	55	20.5	1		65		2.0721E-06
2	4.55		0.0005	0.0031%	232	66	3.5	1		65		2.0721E-06
3	5.17		0.0233	0.1499%	11251	2635	4.3	3		65		2.0721E-06
4	5.47		0.0005	0.0031%	234	51	4.6	4		65		2.0721E-06
5	5.69		0.0117	0.0754%	5660	1347	4.2	2		65		2.0721E-06
6	6.12		0.0047	0.0299%	2245	299	7.5	2		65		2.0721E-06
7	6.54		0.0049	0.0317%	2377	492	4.8	1		65		2.0721E-06
8	6.87		0.0010	0.0062%	464	121	3.8	2		65		2.0721E-06
9	7.01		0.1094	0.7033%	52790	12637	4.2	2		65		2.0721E-06
10	7.53		0.1219	0.7839%	58836	13901	4.2	1		65		2.0721E-06
11	7.76		0.1460	0.9388%	70463	17977	3.9	2		65		2.0721E-06
12	7.89		0.6235	4.0089%	300896	71801	4.2	2		65		2.0721E-06
13	8.34		0.1140	0.7331%	55022	13143	4.2	3		65		2.0721E-06
14	8.63		0.0003	0.0016%	123	44	2.8	4		65		2.0721E-06
15	8.81	1242-1	0.5542	3.5634%	632916	99790	6.3	2	65	65	0	8.7562E-07
16	9.05		0.1187	0.7631%	57276	13269	4.3	2		65		2.0721E-06
17	9.23	1242-2	0.5445	3.5010%	345296	84109	4.1	3	65	65	0	1.5769E-06
18	9.41		0.0075	0.0481%	3611	877	4.1	4		65		2.0721E-06
19	9.58		0.4041	2.5985%	195034	30340	6.4	2		65		2.0721E-06
20	9.80		2.2041	14.1718%	1063698	192137	5.5	2		65		2.0721E-06
21	10.01	1242-3	0.5498	3.5351%	445900	105806	4.2	2	65	65	0	1.2330E-06
22	10.18	1242-4	0.5452	3.5054%	301173	68400	4.4	2	65	65	0	1.8102E-06
23	10.30		0.2113	1.3583%	101952	23289	4.4	2		65		2.0721E-06
24	10.52		0.6442	4.1418%	310877	64594	4.8	2		65		2.0721E-06
25	10.62		0.5203	3.3456%	251109	58490	4.3	2		65		2.0721E-06
26	10.70		0.4820	3.0994%	232630	42322	5.5	3		65		2.0721E-06
27	10.85		0.0334	0.2147%	16118	3632	4.4	4		65		2.0721E-06
28	10.97		1.2172	7.8265%	587437	76716	7.7	2		65		2.0721E-06
29	11.23		0.7193	4.6251%	347152	66882	5.2	2		65		2.0721E-06
30	11.43		0.2570	1.6522%	124010	22707	5.5	2		65		2.0721E-06
31	11.65		0.0446	0.2868%	21523	5839	3.7	2		65		2.0721E-06

32	[illegible]		[illegible]	2.3770%	[illegible]	76501	4.6	2		1		[illegible]
33	11.82		0.6 15	5.6057%	420[illegible]51	84134	5.0	2		65		2.0721E-06
34	11.92		0.8716	5.6042%	420636	85446	4.9	3		65		2.0721E-06
35	12.08		0.0975	0.6272%	47076	8132	5.8	4		65		2.0721E-06
36	12.30	1242-5	0.5425	3.4881%	339431	69761	4.9	2	65	65	0	1.5982E-06
37	12.44		0.2773	1.7828%	133814	27883	4.8	2		65		2.0721E-06
38	12.57		0.1443	0.9276%	69624	12923	5.4	3		65		2.0721E-06
39	12.72		0.0180	0.1160%	8706	1677	5.2	4		65		2.0721E-06
40	12.84		0.0362	0.2330%	17489	3161	5.5	2		65		2.0721E-06
41	12.95		0.1149	0.7387%	55447	10951	5.1	2		65		2.0721E-06
42	13.07		0.1583	1.0178%	76392	15781	4.8	2		65		2.0721E-06
43	13.19		0.0965	0.6203%	46555	9876	4.7	2		65		2.0721E-06
44	13.32		0.2966	1.9072%	143148	27467	5.2	2		65		2.0721E-06
45	13.60		0.1346	0.8656%	64969	9717	6.7	2		65		2.0721E-06
46	13.94		0.2707	1.7404%	130629	19731	6.6	3		65		2.0721E-06
47	14.24		0.0725	0.4662%	34992	2435	14.4	4		65		2.0721E-06
48	14.49		0.0750	0.4820%	36181	6049	6.0	2		65		2.0721E-06
49	14.62		0.1771	1.1388%	85477	15237	5.6	2		65		2.0721E-06
50	14.82		0.0992	0.6378%	47869	4585	10.4	2		65		2.0721E-06
51	15.09		0.0492	0.3161%	23727	2469	9.6	2		65		2.0721E-06
52	15.22		0.0948	0.6097%	45765	5605	8.2	2		65		2.0721E-06
53	15.46		0.0464	0.2981%	22374	2410	9.3	2		65		2.0721E-06
54	15.69		0.0810	0.5210%	39107	4747	8.2	2		65		2.0721E-06
55	15.84		0.0424	0.2728%	20473	2555	8.0	2		65		2.0721E-06
56	16.04		0.0293	0.1885%	14150	1602	8.8	2		65		2.0721E-06
57	16.19		0.0207	0.1330%	9980	1181	8.4	2		65		2.0721E-06
58	16.43		0.0453	0.2910%	21841	2776	7.9	2		65		2.0721E-06
59	16.61		0.0232	0.1493%	11204	1465	7.6	2		65		2.0721E-06
60	16.78		0.0147	0.0948%	7113	982	7.2	2		65		2.0721E-06
61	17.01		0.0019	0.0123%	920	200	4.6	1		65		2.0721E-06
62	17.36		0.0533	0.3429%	25735	3775	6.8	1		65		2.0721E-06
63	17.90		0.0025	0.0159%	1190	194	6.1	1		65		2.0721E-06
64	18.55		0.0157	0.1008%	7565	1037	7.3	2		65		2.0721E-06
65	18.80	MIREX	1.0000	0.0000%	482608	61966	7.8	2	65	65	0	2.0721E-06
66	19.17		0.0207	0.1328%	9971	1247	8.0	2		65		2.0721E-06
67	20.65		0.0061	0.0393%	2953	334	8.8	1		65		2.0721E-06
68	21.70		0.0133	0.0853%	6400	714	9.0	1		65		2.0721E-06
69	24.13		0.0046	0.0294%	2209	208	10.6	1		65		2.0721E-06
70	26.50		0.0074	0.0479%	3592	303	11.8	1		65		2.0721E-06

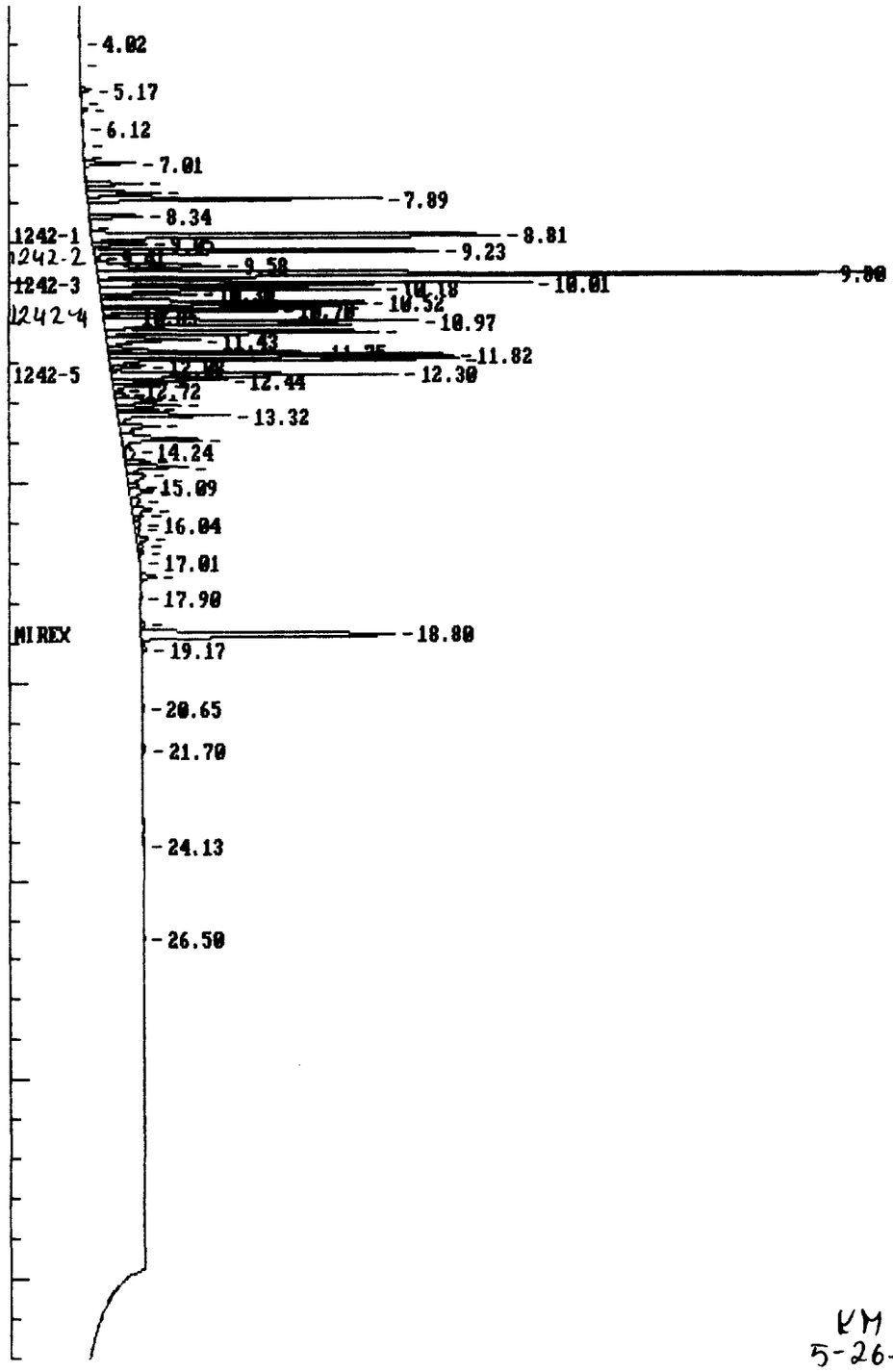
TOTAL AMOUNT = 15.5525

AO(n=5): 0.547

KM
5-26-93

SECONDARY COLUMN

Data File = J:2HOD17.PTS Printed on 05-26-1993 at 13:40:14
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-26-1993 13:41:13 Version 4.1 **********************
* Sample Name: 1242 L4                          Data File: J:2HOD18       *
* Date: 05-26-1993 04:07:56 Method: J:2_1242  05-26-1993 10:15:10  #  358 *
* Interface: 0   Cycle#:  18   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF    *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.02		0.0028	0.0134%	1377	61	22.4	1		63		2.0422E-06
2	4.55		0.0009	0.0041%	426	111	3.8	1		63		2.0422E-06
3	5.19		0.0221	0.1053%	10818	2503	4.3	3		63		2.0422E-06
4	5.47		0.0006	0.0030%	307	79	3.9	4		63		2.0422E-06
5	5.69		0.0176	0.0840%	8632	1937	4.5	3		63		2.0422E-06
6	5.97		0.0008	0.0040%	415	73	5.7	4		63		2.0422E-06
7	6.12		0.0023	0.0108%	1106	248	4.5	2		63		2.0422E-06
8	6.56		0.0062	0.0297%	3054	612	5.0	1		63		2.0422E-06
9	6.87		0.0008	0.0038%	395	111	3.6	2		63		2.0422E-06
10	7.01		0.1499	0.7146%	73425	17377	4.2	2		63		2.0422E-06
11	7.53		0.1677	0.7992%	82109	19479	4.2	1		63		2.0422E-06
12	7.76		0.1998	0.9521%	97818	24847	3.9	2		63		2.0422E-06
13	7.89		0.8452	4.0280%	413850	98475	4.2	2		63		2.0422E-06
14	8.34		0.1548	0.7379%	75816	18241	4.2	3		63		2.0422E-06
15	8.63		0.0006	0.0028%	288	89	3.2	4		63		2.0422E-06
16	8.81	1242-1	0.7564	3.6049%	876471	136416	6.4	2	63	63	0	8.6300E-07
17	9.05		0.1644	0.7834%	80487	18839	4.3	2		63		2.0422E-06
18	9.23	1242-2	0.7553	3.5997%	485981	116763	4.2	3	63	63	0	1.5541E-06
19	9.41		0.0115	0.0550%	5649	1339	4.2	4		63		2.0422E-06
20	9.58		0.5590	2.6644%	273745	42287	6.5	2		63		2.0422E-06
21	9.80		3.0454	14.5144%	1491254	267899	5.6	2		63		2.0422E-06
22	10.01	1242-3	0.7563	3.6045%	622367	146687	4.2	2	63	63	0	1.2152E-06
23	10.18	1242-4	0.7545	3.5961%	422931	94931	4.5	2	63	63	0	1.7841E-06
24	10.30		0.2902	1.3830%	142097	31926	4.5	2		63		2.0422E-06
25	10.50		0.8947	4.2642%	438118	89984	4.9	2		63		2.0422E-06
26	10.62		1.2693	6.0496%	621553	80231	7.7	2		63		2.0422E-06
27	10.97		1.7094	8.1469%	837041	106487	7.9	2		63		2.0422E-06
28	11.23		1.0061	4.7949%	492644	94828	5.2	2		63		2.0422E-06
29	11.43		0.3572	1.7022%	174886	31562	5.5	2		63		2.0422E-06
30	11.65		0.0626	0.2982%	30642	8266	3.7	2		63		2.0422E-06
31	11.75		0.5596	2.6672%	274032	67177	4.1	2		63		2.0422E-06
32	11.80		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]

33	12.08		0.1194	0.6190%	63594	11246	5.7	4		63		2.0422E-06
34	12.30	1242-5	0.7535	3.5910%	478343	97990	4.9	2	63	63	0	1.5752E-06
35	12.44		0.3802	1.8119%	186155	38361	4.9	2		63		2.0422E-06
36	12.57		0.1964	0.9359%	96160	17968	5.4	3		63		2.0422E-06
37	12.72		0.0203	0.0967%	9932	1863	5.3	4		63		2.0422E-06
38	12.84		0.0480	0.2290%	23527	4361	5.4	2		63		2.0422E-06
39	12.95		0.1579	0.7525%	77318	15226	5.1	2		63		2.0422E-06
40	13.07		0.2177	1.0376%	106610	22116	4.8	2		63		2.0422E-06
41	13.19		0.1328	0.6327%	65009	13839	4.7	2		63		2.0422E-06
42	13.32		0.4048	1.9291%	198197	38187	5.2	2		63		2.0422E-06
43	13.60		0.1791	0.8534%	87678	13530	6.5	2		63		2.0422E-06
44	13.94		0.3611	1.7212%	176836	27259	6.5	3		63		2.0422E-06
45	14.24		0.0811	0.3868%	39736	3095	12.8	4		63		2.0422E-06
46	14.49		0.0906	0.4316%	44349	7835	5.7	2		63		2.0422E-06
47	14.62		0.2319	1.1050%	113535	21097	5.4	2		63		2.0422E-06
48	14.82		0.1078	0.5139%	52804	4968	10.6	2		63		2.0422E-06
49	15.09		0.0510	0.2432%	24985	2566	9.7	2		63		2.0422E-06
50	15.22		0.1132	0.5397%	55445	7425	7.5	2		63		2.0422E-06
51	15.46		0.0499	0.2376%	24411	2822	8.6	2		63		2.0422E-06
52	15.69		0.0973	0.4637%	47639	6310	7.5	2		63		2.0422E-06
53	15.84		0.0483	0.2300%	23632	3132	7.5	2		63		2.0422E-06
54	16.04		0.0324	0.1545%	15878	1930	8.2	2		63		2.0422E-06
55	16.19		0.0240	0.1142%	11736	1377	8.5	2		63		2.0422E-06
56	16.43		0.0534	0.2546%	26158	3815	6.9	2		63		2.0422E-06
57	16.63		0.0266	0.1266%	13010	1905	6.8	2		63		2.0422E-06
58	16.78		0.0196	0.0933%	9588	1352	7.1	2		63		2.0422E-06
59	17.01		0.0026	0.0122%	1249	279	4.5	1		63		2.0422E-06
60	17.36		0.0744	0.3547%	36443	5611	6.5	1		63		2.0422E-06
61	17.90		0.0037	0.0177%	1824	288	6.3	1		63		2.0422E-06
62	18.55		0.0225	0.1071%	11002	1533	7.2	2		63		2.0422E-06
63	18.80	MIREX	1.0000	0.0000%	489669	62350	7.9	2	63	63	0	2.0422E-06
64	19.17		0.0287	0.1370%	14074	1794	7.8	2		63		2.0422E-06
65	20.65		0.0093	0.0442%	4540	509	8.9	1		63		2.0422E-06
66	21.70		0.0196	0.0934%	9593	1075	8.9	1		63		2.0422E-06
67	24.13		0.0062	0.0294%	3019	283	10.7	1		63		2.0422E-06
68	30.12		0.0032	0.0151%	1548	1016	1.5	1		63		2.0422E-06

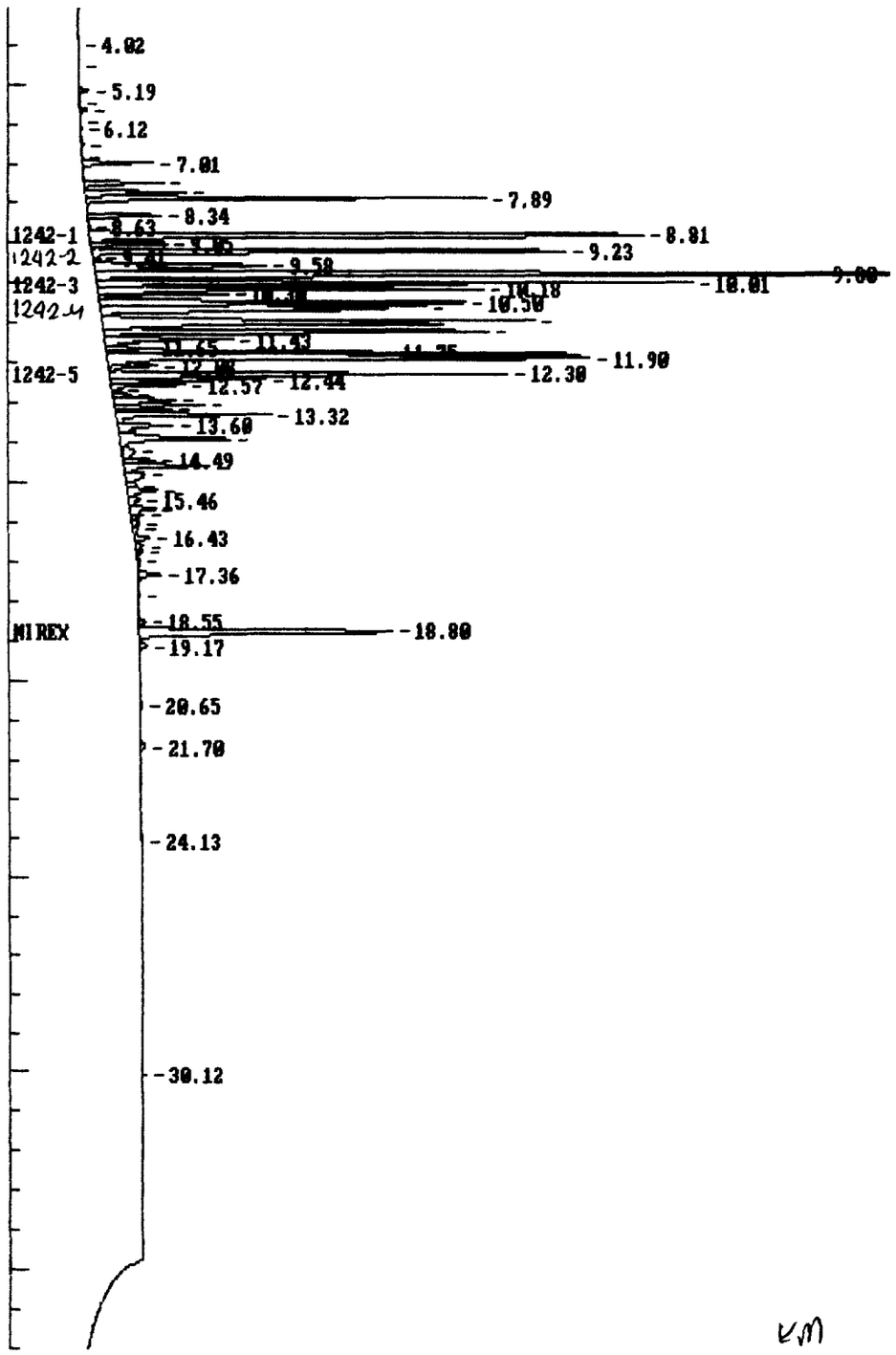
TOTAL AMOUNT = 20.9821

AO (n=5) = 0.755

KM
5-26-93

SECONDARY COLUMN

Data File = J:2HOD18.PTS Printed on 05-26-1993 at 13:42:40
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

SECONDARY COLUMN

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*****   INTERNAL STANDARD TABLE   *****
******************** 05-26-1993 13:43:42 Version 4.1 **********************
* Sample Name: 1242 L5                          Data File: J:2HOD19       *
* Date: 05-26-1993 04:49:23 Method: J:2_1242  05-26-1993 10:15:10  #  358 *
* Interface: 0   Cycle#:  19   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100            *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF    *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.92		0.0014	0.0052%	693	55	12.5	1		65		2.0208E-06
2	4.19		0.0008	0.0029%	387	70	5.5	1		65		2.0208E-06
3	4.55		0.0012	0.0044%	593	152	3.9	1		65		2.0208E-06
4	5.17		0.0246	0.0906%	12153	2939	4.1	2		65		2.0208E-06
5	5.47		0.0010	0.0039%	519	110	4.7	2		65		2.0208E-06
6	5.69		0.0203	0.0749%	10047	2485	4.0	1		65		2.0208E-06
7	6.12		0.0021	0.0079%	1058	282	3.8	1		65		2.0208E-06
8	6.56		0.0073	0.0268%	3594	753	4.8	1		65		2.0208E-06
9	6.87		0.0016	0.0061%	815	217	3.8	2		65		2.0208E-06
10	7.01		0.1883	0.6942%	93166	21882	4.3	2		65		2.0208E-06
11	7.53		0.2129	0.7849%	105345	24834	4.2	1		65		2.0208E-06
12	7.76		0.2517	0.9280%	124542	31575	3.9	2		65		2.0208E-06
13	7.89		1.0634	3.9209%	526213	124508	4.2	2		65		2.0208E-06
14	8.34		0.1893	0.6980%	93678	23009	4.1	1		65		2.0208E-06
15	8.61		0.0011	0.0039%	529	178	3.0	1		65		2.0208E-06
16	8.81	1242-1	0.9544	3.5193%	1117674	174776	6.4	2	65	65	0	8.5395E-07
17	9.05		0.2153	0.7939%	106548	24498	4.3	2		65		2.0208E-06
18	9.23	1242-2	0.9642	3.5553%	626980	150448	4.2	3	65	65	0	1.5379E-06
19	9.41		0.0164	0.0604%	8109	1916	4.2	4		65		2.0208E-06
20	9.58		0.7104	2.6196%	351567	53878	6.5	2		65		2.0208E-06
21	9.80		3.8730	14.2808%	1916573	345082	5.6	2		65		2.0208E-06
22	10.01	1242-3	0.9577	3.5313%	796433	188519	4.2	2	65	65	0	1.2025E-06
23	10.18	1242-4	0.9633	3.5521%	545692	122497	4.5	2	65	65	0	1.7654E-06
24	10.30		0.3723	1.3728%	184245	41046	4.5	2		65		2.0208E-06
25	10.50		1.1204	4.1313%	554451	113540	4.9	2		65		2.0208E-06
26	10.62		1.6248	5.9911%	804049	103351	7.8	2		65		2.0208E-06
27	10.97		2.1541	7.9429%	1065994	135960	7.8	2		65		2.0208E-06
28	11.23		1.2980	4.7861%	642322	123373	5.2	2		65		2.0208E-06
29	11.43		0.4638	1.7103%	229534	41082	5.6	2		65		2.0208E-06
30	11.65		0.0839	0.3094%	41530	11089	3.7	2		65		2.0208E-06
31	11.75		0.7089	2.6139%	350804	86902	4.0	2		65		2.0208E-06

[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		65		[illegible]
33	11.92		1.5396	5.5704%	761887	152065	5.0	3		65		2.0208E-06
34	12.08		0.1756	0.6476%	86915	14955	5.8	4		65		2.0208E-06
35	12.30	1242-5	0.9679	3.5688%	620970	125711	4.9	2	65	65	0	1.5586E-06
36	12.44		0.4894	1.8045%	242180	49251	4.9	2		65		2.0208E-06
37	12.57		0.2584	0.9527%	127854	23423	5.5	3		65		2.0208E-06
38	12.72		0.0284	0.1045%	14030	2593	5.4	4		65		2.0208E-06
39	12.84		0.0695	0.2564%	34413	6061	5.7	2		65		2.0208E-06
40	12.95		0.2110	0.7780%	104416	19943	5.2	2		65		2.0208E-06
41	13.07		0.2853	1.0519%	141171	28698	4.9	2		65		2.0208E-06
42	13.19		0.1756	0.6476%	86916	18129	4.8	2		65		2.0208E-06
43	13.32		0.5268	1.9424%	260688	49489	5.3	2		65		2.0208E-06
44	13.60		0.2388	0.8806%	118188	17842	6.6	2		65		2.0208E-06
45	13.94		0.4701	1.7334%	232632	35243	6.6	3		65		2.0208E-06
46	14.24		0.1126	0.4150%	55698	4293	13.0	4		65		2.0208E-06
47	14.49		0.1210	0.4460%	59860	10548	5.7	2		65		2.0208E-06
48	14.62		0.3054	1.1262%	151142	27679	5.5	2		65		2.0208E-06
49	14.82		0.1384	0.5104%	68494	6216	11.0	2		65		2.0208E-06
50	15.09		0.0682	0.2516%	33766	3473	9.7	2		65		2.0208E-06
51	15.22		0.1531	0.5644%	75746	9838	7.7	2		65		2.0208E-06
52	15.46		0.0696	0.2566%	34441	3899	8.8	2		65		2.0208E-06
53	15.69		0.1395	0.5145%	69051	8530	8.1	2		65		2.0208E-06
54	15.84		0.0759	0.2800%	37583	4697	8.0	2		65		2.0208E-06
55	16.04		0.0519	0.1915%	25703	2984	8.6	2		65		2.0208E-06
56	16.19		0.0435	0.1602%	21503	2243	9.6	2		65		2.0208E-06
57	16.43		0.0818	0.3015%	40457	5542	7.3	2		65		2.0208E-06
58	16.63		0.0474	0.1748%	23455	3108	7.5	2		65		2.0208E-06
59	16.78		0.0424	0.1564%	20991	2420	8.7	2		65		2.0208E-06
60	17.01		0.0203	0.0750%	10065	1158	8.7	2		65		2.0208E-06
61	17.11		0.0143	0.0528%	7085	933	7.6	2		65		2.0208E-06
62	17.36		0.1072	0.3952%	53039	7628	7.0	2		65		2.0208E-06
63	17.90		0.0055	0.0201%	2701	403	6.7	1		65		2.0208E-06
64	18.56		0.0313	0.1153%	15471	2022	7.6	2		65		2.0208E-06
65	18.80	MIREX	1.0000	0.0000%	494858	61591	8.0	2	65	65	0	2.0208E-06
66	19.17		0.0372	0.1372%	18417	2376	7.8	2		65		2.0208E-06
67	20.65		0.0124	0.0457%	6137	695	8.8	1		65		2.0208E-06
68	21.02		0.0012	0.0045%	598	75	7.9	1		65		2.0208E-06
69	21.70		0.0257	0.0946%	12699	1421	8.9	1		65		2.0208E-06
70	24.13		0.0084	0.0308%	4140	391	10.6	1		65		2.0208E-06

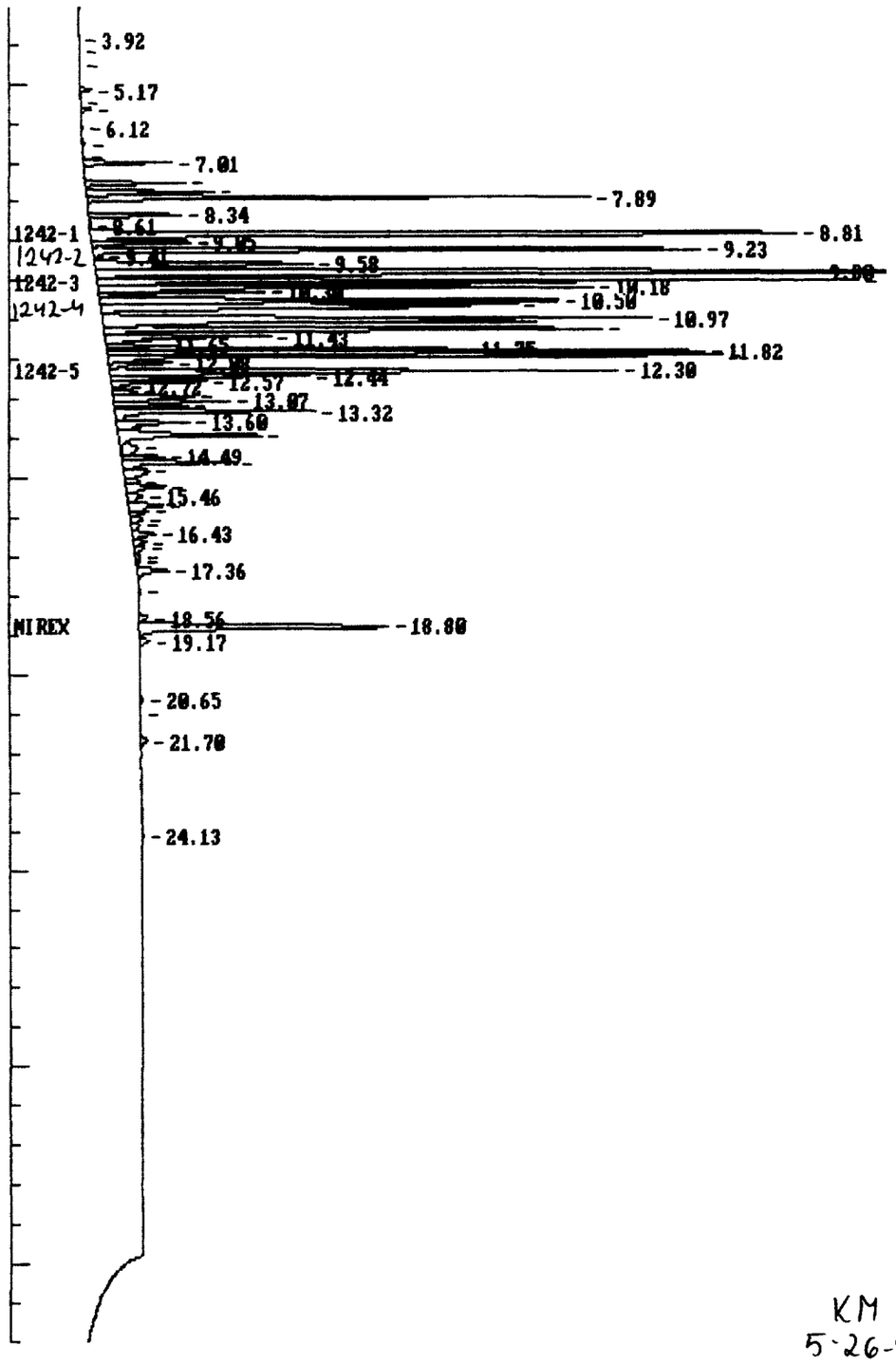
TOTAL AMOUNT = 27.1202

AU(n=5) = 0.962

KM
5-26-93

SECONDARY COLUMN

Data File = J:2HOD19.PTS Printed on 05-26-1993 at 13:45:11
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

SECONDARY COLUMN

```
*****    INTERNAL STANDARD TABLE    *****
******************** 05-28-1993 14:25:42 Version 4.1 **********************
* Sample Name: 1242 L3 #1                          Data File: J:2HOD30      *
* Date: 05-26-1993 12:25:36 Method: J:2_1242  05-26-1993 10:15:10  #  358 *
* Interface: 0   Cycle#:  30   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*              Detector 0: DB608 QUAN          Detector 1: DB-5 CONF      *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.00		0.0058	0.0377%	2867	200	14.4	2		66		2.0306E-06
2	4.17		0.0032	0.0208%	1578	184	8.6	2		66		2.0306E-06
3	4.29		0.0046	0.0296%	2249	454	5.0	2		66		2.0306E-06
4	4.54		0.0016	0.0102%	772	117	6.6	2		66		2.0306E-06
5	5.17		0.0238	0.1543%	11729	3031	3.9	2		66		2.0306E-06
6	5.47		0.0009	0.0058%	440	127	3.5	2		66		2.0306E-06
7	5.67		0.0122	0.0788%	5990	1365	4.4	3		66		2.0306E-06
8	5.92		0.0013	0.0082%	624	87	7.2	4		66		2.0306E-06
9	6.12		0.0036	0.0230%	1751	409	4.3	2		66		2.0306E-06
10	6.54		0.0045	0.0291%	2209	469	4.7	1		66		2.0306E-06
11	6.86		0.0051	0.0334%	2536	654	3.9	2		66		2.0306E-06
12	7.01		0.1079	0.6989%	53117	12016	4.4	2		66		2.0306E-06
13	7.53		0.1219	0.7901%	60045	14446	4.2	2		66		2.0306E-06
14	7.76		0.1424	0.9226%	70116	17438	4.0	2		66		2.0306E-06
15	7.88		0.6228	4.0359%	306727	68729	4.5	3		66		2.0306E-06
16	8.16		0.0014	0.0091%	691	161	4.3	4		66		2.0306E-06
17	8.34		0.1127	0.7301%	55488	12788	4.3	3		66		2.0306E-06
18	8.59		0.0005	0.0030%	232	84	2.7	4		66		2.0306E-06
19	8.79	1242-1	0.5451	3.5319%	635191	99822	6.4	2	66	66	-.1007	8.5810E-07
20	9.03		0.1183	0.7667%	58268	13562	4.3	2		66		2.0306E-06
21	9.21	1242-2	0.5365	3.4765%	347177	84371	4.1	3	66	66	0	1.5453E-06
22	9.40		0.0072	0.0468%	3560	908	3.9	4		66		2.0306E-06
23	9.58		0.3959	2.5654%	194970	30270	6.4	2		66		2.0306E-06
24	9.78		2.1871	14.1724%	1077093	194857	5.5	2		66		2.0306E-06
25	10.00	1242-3	0.5527	3.5811%	457378	106272	4.3	2	66	66	0	1.2083E-06
26	10.16	1242-4	0.5260	3.4086%	296528	70687	4.2	2	66	66	0	1.7739E-06
27	10.28		0.2164	1.4024%	106580	23376	4.6	2		66		2.0306E-06
28	10.50		0.6186	4.0087%	304656	67357	4.5	2		66		2.0306E-06
29	10.60		0.9412	6.0990%	463516	60335	7.7	3		66		2.0306E-06
30	10.83		0.0250	0.1620%	12313	3084	4.0	4		66		2.0306E-06
31	10.95		1.2016	7.7860%	591730	76739	7.7	2		66		2.0306E-06
32	11.23		0.7100	4.6009%	349663	66676	5.2	2		66		2.0306E-06
33	11.42		0.2560	1.6586%	126054	23108	5.5	2		66		2.0306E-06
34	11.73		0.4111	2.6638%	202448	49782	4.1	2		66		2.0306E-06
35	11.80		0.8662	5.6126%	426550	86233	4.9	2		66		2.0306E-06

36	11.90		0.0893	[illegible]	[illegible]	88943	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	12.07		0.0928	0.6012%	45698	7943	5.9	4		66		2.0306E-06
38	12.30	1242-5	0.5322	3.4487%	339814	70106	4.8	2	66	66	0	1.5662E-06
39	12.42		0.2871	1.8606%	141405	28438	5.0	2		66		2.0306E-06
40	12.55		0.1320	0.8551%	64988	13204	4.9	3		66		2.0306E-06
41	12.70		0.0129	0.0837%	6359	1445	4.4	4		66		2.0306E-06
42	12.82		0.0403	0.2612%	19848	3288	6.0	2		66		2.0306E-06
43	12.94		0.1160	0.7520%	57149	10742	5.3	2		66		2.0306E-06
44	13.07		0.1565	1.0139%	77052	15586	4.9	2		66		2.0306E-06
45	13.17		0.1046	0.6777%	51506	9843	5.2	2		66		2.0306E-06
46	13.30		0.2900	1.8792%	142820	28118	5.1	2		66		2.0306E-06
47	13.60		0.1301	0.8428%	64056	9719	6.6	2		66		2.0306E-06
48	13.92		0.2691	1.7436%	132509	20117	6.6	3		66		2.0306E-06
49	14.24		0.0715	0.4636%	35235	2529	13.9	4		66		2.0306E-06
50	14.47		0.0740	0.4795%	36443	6280	5.8	2		66		2.0306E-06
51	14.61		0.1764	1.1432%	86881	15465	5.6	2		66		2.0306E-06
52	14.82		0.1185	0.7679%	58362	5494	10.6	2		66		2.0306E-06
53	15.07		0.0342	0.2214%	16829	2423	6.9	2		66		2.0306E-06
54	15.21		0.0957	0.6202%	47137	5748	8.2	2		66		2.0306E-06
55	15.44		0.0478	0.3098%	23542	2540	9.3	2		66		2.0306E-06
56	15.74		0.1841	1.1928%	90655	5943	15.3	2		66		2.0306E-06
57	16.01		0.0378	0.2451%	18627	2181	8.5	2		66		2.0306E-06
58	16.18		0.0271	0.1757%	13354	1439	9.3	2		66		2.0306E-06
59	16.41		0.0457	0.2961%	22500	2907	7.7	2		66		2.0306E-06
60	16.59		0.0235	0.1522%	11568	1507	7.7	2		66		2.0306E-06
61	16.74		0.0147	0.0951%	7226	1019	7.1	2		66		2.0306E-06
62	16.98		0.0018	0.0115%	872	207	4.2	2		66		2.0306E-06
63	17.35		0.0541	0.3508%	26662	3798	7.0	1		66		2.0306E-06
64	17.88		0.0028	0.0179%	1362	206	6.6	1		66		2.0306E-06
65	18.53		0.0157	0.1020%	7752	1063	7.3	2		66		2.0306E-06
66	18.78	MIREX	1.0000	0.0000%	492465	63632	7.7	2	66	66	0	2.0306E-06
67	19.13		0.0209	0.1352%	10271	1278	8.0	2		66		2.0306E-06
68	20.62		0.0062	0.0399%	3030	344	8.8	1		66		2.0306E-06
69	21.65		0.0135	0.0875%	6650	765	8.7	1		66		2.0306E-06
70	24.09		0.0046	0.0297%	2256	209	10.8	1		66		2.0306E-06
71	24.69		0.0106	0.0685%	5203	419	12.4	1		66		2.0306E-06
72	26.45		0.0074	0.0480%	3648	303	12.0	1		66		2.0306E-06

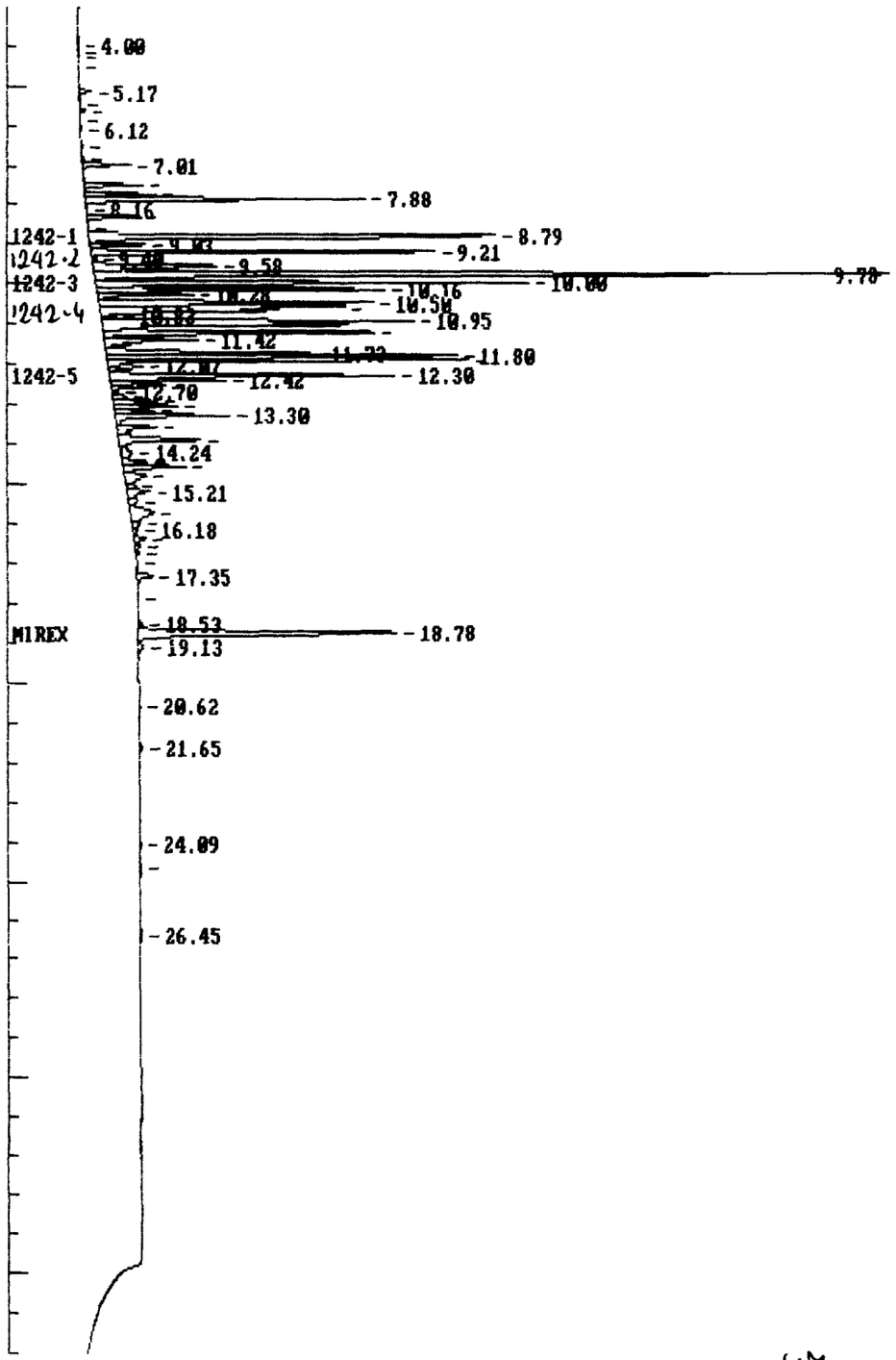
TOTAL AMOUNT = 15.4324

AU(n=5) = 0.538

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD30.PTS Printed on 05-28-1993 at 14:27:11
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-28-1993 14:28:10 Version 4.1 **********

* Sample Name: 1242 L3 #2 Data File: J:2HOD38 *
* Date: 05-26-1993 17:55:20 Method: J:2_1242 05-26-1993 10:15:10 # 358 *
* Interface: 0 Cycle#: 38 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.00		0.0036	0.0217%	1706	139	12.3	2		65		2.1104E-06
2	4.29		0.0032	0.0190%	1498	147	10.2	2		65		2.1104E-06
3	4.54		0.0008	0.0047%	368	91	4.0	1		65		2.1104E-06
4	5.17		0.0245	0.1471%	11595	2797	4.1	3		65		2.1104E-06
5	5.45		0.0006	0.0039%	304	50	6.1	4		65		2.1104E-06
6	5.67		0.0120	0.0723%	5700	1402	4.1	2		65		2.1104E-06
7	6.11		0.0040	0.0242%	1910	245	7.8	2		65		2.1104E-06
8	6.54		0.0055	0.0330%	2597	504	5.2	1		65		2.1104E-06
9	6.86		0.0015	0.0088%	694	199	3.5	2		65		2.1104E-06
10	6.99		0.1128	0.6783%	53448	12619	4.2	2		65		2.1104E-06
11	7.53		0.1246	0.7494%	59053	14224	4.2	1		65		2.1104E-06
12	7.74		0.1487	0.8944%	70476	17977	3.9	2		65		2.1104E-06
13	7.88		0.6503	3.9103%	308119	73275	4.2	2		65		2.1104E-06
14	8.33		0.1130	0.6798%	53567	12886	4.2	1		65		2.1104E-06
15	8.79	1242-1	0.5785	3.4789%	648687	102654	6.3	2	65	65	0	8.9183E-07
16	9.03		0.1227	0.7380%	58150	13674	4.3	2		65		2.1104E-06
17	9.21	1242-2	0.5675	3.4125%	353335	87028	4.1	3	65	65	0	1.6061E-06
18	9.40		0.0082	0.0490%	3862	945	4.1	4		65		2.1104E-06
19	9.56		0.4177	2.5120%	197938	30584	6.5	2		65		2.1104E-06
20	9.78		2.3220	13.9630%	1100235	199699	5.5	2		65		2.1104E-06
21	10.00	1242-3	0.5732	3.4470%	456449	109695	4.2	2	65	65	0	1.2558E-06
22	10.16	1242-4	0.5683	3.4175%	308253	70982	4.3	2	65	65	0	1.8437E-06
23	10.28		0.2182	1.3121%	103389	23453	4.4	2		65		2.1104E-06
24	10.50		0.6619	3.9805%	313651	66536	4.7	2		65		2.1104E-06
25	10.60		0.5395	3.2444%	255646	60368	4.2	2		65		2.1104E-06
26	10.68		0.5009	3.0124%	237368	43636	5.4	2		65		2.1104E-06
27	10.95		1.3058	7.8521%	618717	78495	7.9	2		65		2.1104E-06
28	11.22		0.7515	4.5191%	356086	68653	5.2	2		65		2.1104E-06
29	11.42		0.2720	1.6359%	128904	23129	5.6	2		65		2.1104E-06
30	11.63		0.0503	0.3025%	23832	6217	3.8	2		65		2.1104E-06
31	11.73		0.4260	2.5619%	201868	49804	4.1	2		65		2.1104E-06
32	11.80		0.9134	5.4925%	432791	86748	5.0	2		65		2.1104E-06
33	11.90		0.9096	5.4696%	430986	87621	4.9	3		65		2.1104E-06
34	12.07		0.1057	0.6356%	50079	8319	6.0	4		65		2.1104E-06
35	12.29	1242-5	0.5716	3.4372%	351140	72341	4.9	2	65	65	.0419	1.6278E-06

36	12.42		0.2884	1.7343%	136654	28201	[illegible]	[illegible]	65			[illegible]
37	12.55		0.1569	0.9433%	74329	13205	5.6	3		65		2.1104E-06
38	12.70		0.0240	0.1441%	11354	2204	5.2	4		65		2.1104E-06
39	12.82		0.0541	0.3255%	25645	3879	6.6	2		65		2.1104E-06
40	12.94		0.1329	0.7994%	62993	11737	5.4	2		65		2.1104E-06
41	13.05		0.1747	1.0508%	82796	16790	4.9	2		65		2.1104E-06
42	13.17		0.1096	0.6590%	51925	10633	4.9	2		65		2.1104E-06
43	13.30		0.3312	1.9918%	156951	28148	5.6	2		65		2.1104E-06
44	13.59		0.1239	0.7450%	58705	10658	5.5	2		65		2.1104E-06
45	13.70		0.0462	0.2778%	21889	4052	5.4	2		65		2.1104E-06
46	13.92		0.3259	1.9600%	154440	20387	7.6	3		65		2.1104E-06
47	14.22		0.1113	0.6694%	52748	3407	15.5	4		65		2.1104E-06
48	14.46		0.0929	0.5589%	44043	6807	6.5	2		65		2.1104E-06
49	14.61		0.1975	1.1879%	93605	15594	6.0	2		65		2.1104E-06
50	14.81		0.1223	0.7353%	57940	5646	10.3	2		65		2.1104E-06
51	15.07		0.0605	0.3637%	28662	2924	9.8	2		65		2.1104E-06
52	15.21		0.1146	0.6890%	54291	6034	9.0	2		65		2.1104E-06
53	15.44		0.0641	0.3856%	30386	3067	9.9	2		65		2.1104E-06
54	15.68		0.1075	0.6466%	50948	5299	9.6	2		65		2.1104E-06
55	15.83		0.0592	0.3561%	28062	3267	8.6	2		65		2.1104E-06
56	16.01		0.0394	0.2371%	18683	2156	8.7	2		65		2.1104E-06
57	16.18		0.0379	0.2280%	17966	1614	11.1	2		65		2.1104E-06
58	16.41		0.0503	0.3024%	23829	3078	7.7	2		65		2.1104E-06
59	16.59		0.0299	0.1795%	14145	1692	8.4	2		65		2.1104E-06
60	16.74		0.0196	0.1178%	9279	1158	8.0	2		65		2.1104E-06
61	16.94		0.0088	0.0532%	4192	559	7.5	2		65		2.1104E-06
62	17.33		0.0538	0.3238%	25512	3823	6.7	1		65		2.1104E-06
63	17.86		0.0035	0.0213%	1679	231	7.3	1		65		2.1104E-06
64	18.51		0.0155	0.0932%	7345	1025	7.2	2		65		2.1104E-06
65	18.76	MIREX	1.0000	0.0000%	473839	62199	7.6	2	65	65	0	2.1104E-06
66	19.12		0.0202	0.1213%	9555	1236	7.7	2		65		2.1104E-06
67	20.60		0.0074	0.0445%	3510	374	9.4	1		65		2.1104E-06
68	21.64		0.0128	0.0768%	6049	707	8.6	1		65		2.1104E-06
69	23.62		0.0255	0.1534%	12090	289	41.8	2		65		2.1104E-06
70	24.06		0.0074	0.0444%	3495	281	12.4	2		65		2.1104E-06
71	24.66		0.0034	0.0205%	1617	147	11.0	1		65		2.1104E-06
72	26.41		0.0064	0.0388%	3056	267	11.5	1		65		2.1104E-06

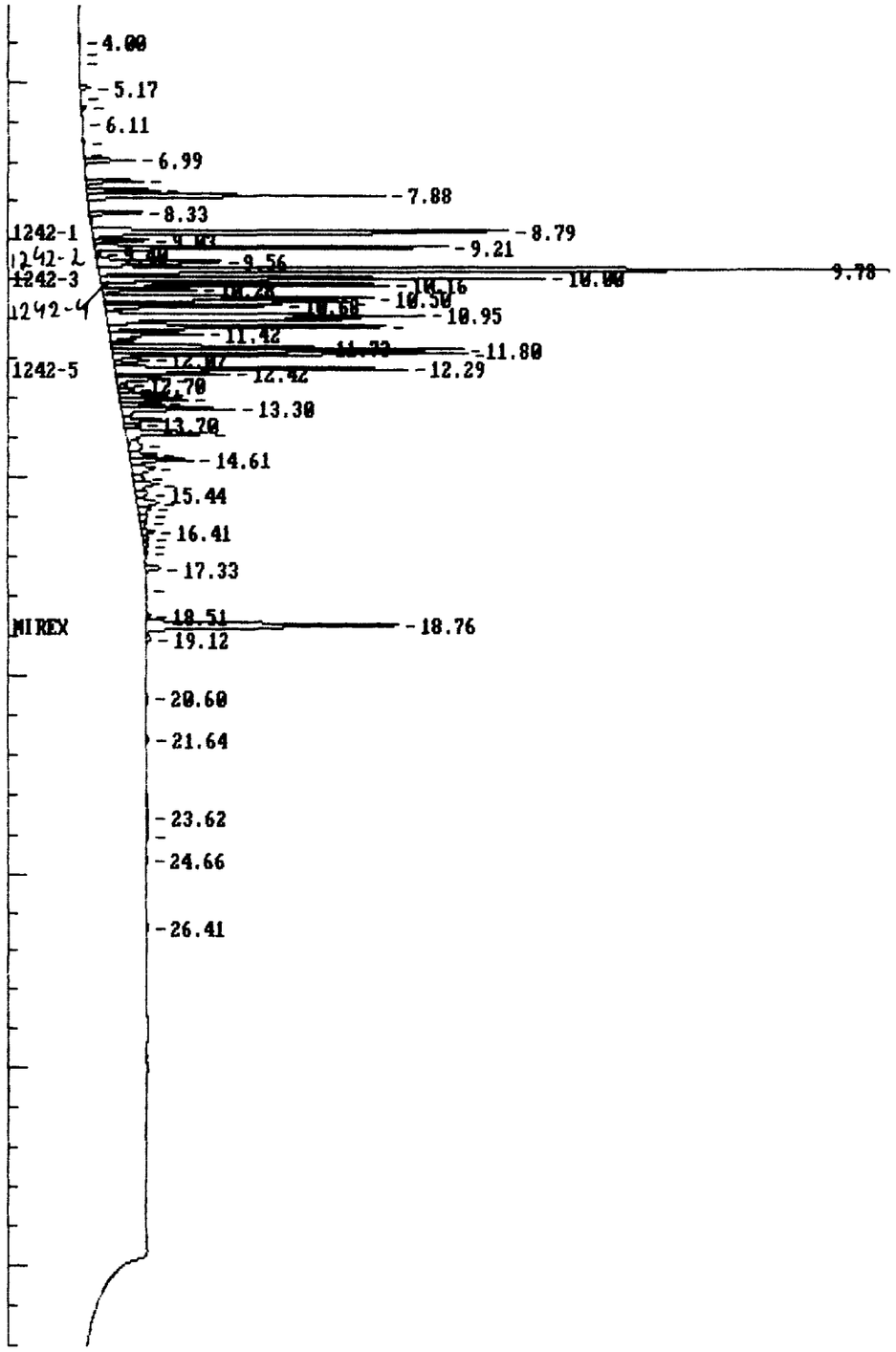
TOTAL AMOUNT = 16.6294

AU (n=5) = 0.572

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD38.PTS Printed on 05-28-1993 at 14:29:41
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-30-1993 10:17:57 Version 4.1 **********

* Sample Name: 1242 L3 #3 Data File: J:2HOD46 *
* Date: 05-26-1993 23:23:53 Method: J:2_1242 05-26-1993 10:15:10 # 358 *
* Interface: 0 Cycle#: 46 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.00		0.0035	0.0233%	1671	111	15.1	1		54		2.0881E-06
2	5.15		0.0147	0.0978%	7016	1827	3.8	1		54		2.0881E-06
3	5.66		0.0108	0.0720%	5167	1292	4.0	1		54		2.0881E-06
4	6.11		0.0022	0.0149%	1072	287	3.7	1		54		2.0881E-06
5	6.52		0.0052	0.0347%	2490	483	5.2	1		54		2.0881E-06
6	6.84		0.0048	0.0318%	2281	597	3.8	2		54		2.0881E-06
7	6.99		0.1125	0.7504%	53858	12691	4.2	2		54		2.0881E-06
8	7.51		0.1234	0.8236%	59110	14579	4.1	1		54		2.0881E-06
9	7.74		0.1511	1.0085%	72381	18107	4.0	2		54		2.0881E-06
10	7.88		0.6455	4.3069%	309115	72603	4.3	2		54		2.0881E-06
11	8.33		0.1112	0.7420%	53253	13112	4.1	1		54		2.0881E-06
12	8.78	1242-1	0.5752	3.8382%	651881	100733	6.5	2	54	54	-.1128	8.8239E-07
13	9.01		0.1156	0.7715%	55373	13198	4.2	2		54		2.0881E-06
14	9.20	1242-2	0.5532	3.6914%	348142	84447	4.1	1	54	54	0	1.5891E-06
15	9.56		0.4036	2.6929%	193276	30614	6.3	2		54		2.0881E-06
16	9.76		2.2968	15.3254%	1099938	199633	5.5	2		54		2.0881E-06
17	9.98	1242-3	0.5666	3.7810%	456049	106774	4.3	2	54	54	-.0672	1.2425E-06
18	10.15	1242-4	0.5578	3.7219%	305776	71035	4.3	2	54	54	-.0617	1.8242E-06
19	10.26		0.1878	1.2528%	89917	22146	4.1	2		54		2.0881E-06
20	10.48		0.6202	4.1383%	297012	68441	4.3	2		54		2.0881E-06
21	10.58		0.9577	6.3905%	458661	60423	7.6	2		54		2.0881E-06
22	10.93		1.2479	8.3264%	597606	75947	7.9	2		54		2.0881E-06
23	11.22		0.7180	4.7912%	343874	68414	5.0	2		54		2.0881E-06
24	11.40		0.2314	1.5442%	110827	22427	4.9	2		54		2.0881E-06
25	11.72		0.3918	2.6145%	187651	49707	3.8	2		54		2.0881E-06
26	11.78		0.8948	5.9708%	428540	87422	4.9	2		54		2.0881E-06
27	11.88		0.9039	6.0317%	432908	90242	4.8	2		54		2.0881E-06
28	12.05		0.0811	0.5411%	38833	7192	5.4	2		54		2.0881E-06
29	12.29	1242-5	0.5329	3.5558%	330873	71305	4.6	2	54	54	.1311	1.6106E-06
30	12.40		0.2736	1.8254%	131015	27295	4.8	2		54		2.0881E-06
31	12.54		0.1065	0.7108%	51015	11999	4.3	2		54		2.0881E-06
32	12.80		0.0205	0.1370%	9830	2106	4.7	2		54		2.0881E-06
33	12.92		0.0972	0.6486%	46548	9579	4.9	2		54		2.0881E-06
34	13.05		0.1419	0.9468%	67951	14455	4.7	2		54		2.0881E-06
35	13.15		0.0881	0.5879%	42194	8596	4.9	2		54		2.0881E-06

36	13.27		[illegible]	[illegible]	[illegible]	[illegible]	4.5	2		54		[illegible]
37	13.59		0.0968	0.6469%	46422	4485	5.5	2		54		2.0881E-06
38	13.91		0.2181	1.4552%	104445	18936	5.5	2		54		2.0881E-06
39	14.21		0.0334	0.2227%	15983	1510	10.6	2		54		2.0881E-06
40	14.46		0.0526	0.3508%	25176	5088	4.9	2		54		2.0881E-06
41	14.59		0.1481	0.9883%	70932	14250	5.0	2		54		2.0881E-06
42	14.79		0.0656	0.4379%	31431	3420	9.2	2		54		2.0881E-06
43	15.06		0.0141	0.0939%	6737	1150	5.9	2		54		2.0881E-06
44	15.19		0.0567	0.3780%	27131	4278	6.3	2		54		2.0881E-06
45	15.42		0.0126	0.0844%	6054	1044	5.8	2		54		2.0881E-06
46	15.73		0.0908	0.6056%	43465	4012	10.8	1		54		2.0881E-06
47	16.39		0.0245	0.1632%	11712	2176	5.4	2		54		2.0881E-06
48	16.58		0.0146	0.0974%	6989	1074	6.5	2		54		2.0881E-06
49	16.73		0.0112	0.0745%	5346	813	6.6	2		54		2.0881E-06
50	16.96		0.0021	0.0142%	1020	214	4.8	1		54		2.0881E-06
51	17.31		0.0532	0.3547%	25460	3785	6.7	1		54		2.0881E-06
52	17.85		0.0029	0.0190%	1366	204	6.7	1		54		2.0881E-06
53	18.50		0.0153	0.1023%	7339	1026	7.2	2		54		2.0881E-06
54	18.75	MIREX	1.0000	0.0000%	478907	62490	7.7	2	54	54	0	2.0881E-06
55	19.10		0.0206	0.1374%	9858	1240	8.0	2		54		2.0881E-06
56	20.57		0.0061	0.0405%	2905	334	8.7	1		54		2.0881E-06
57	21.62		0.0136	0.0909%	6524	737	8.9	1		54		2.0881E-06
58	24.03		0.0045	0.0298%	2138	201	10.7	1		54		2.0881E-06
59	24.63		0.0123	0.0819%	5878	496	11.9	1		54		2.0881E-06
60	26.38		0.0070	0.0470%	3376	287	11.7	1		54		2.0881E-06

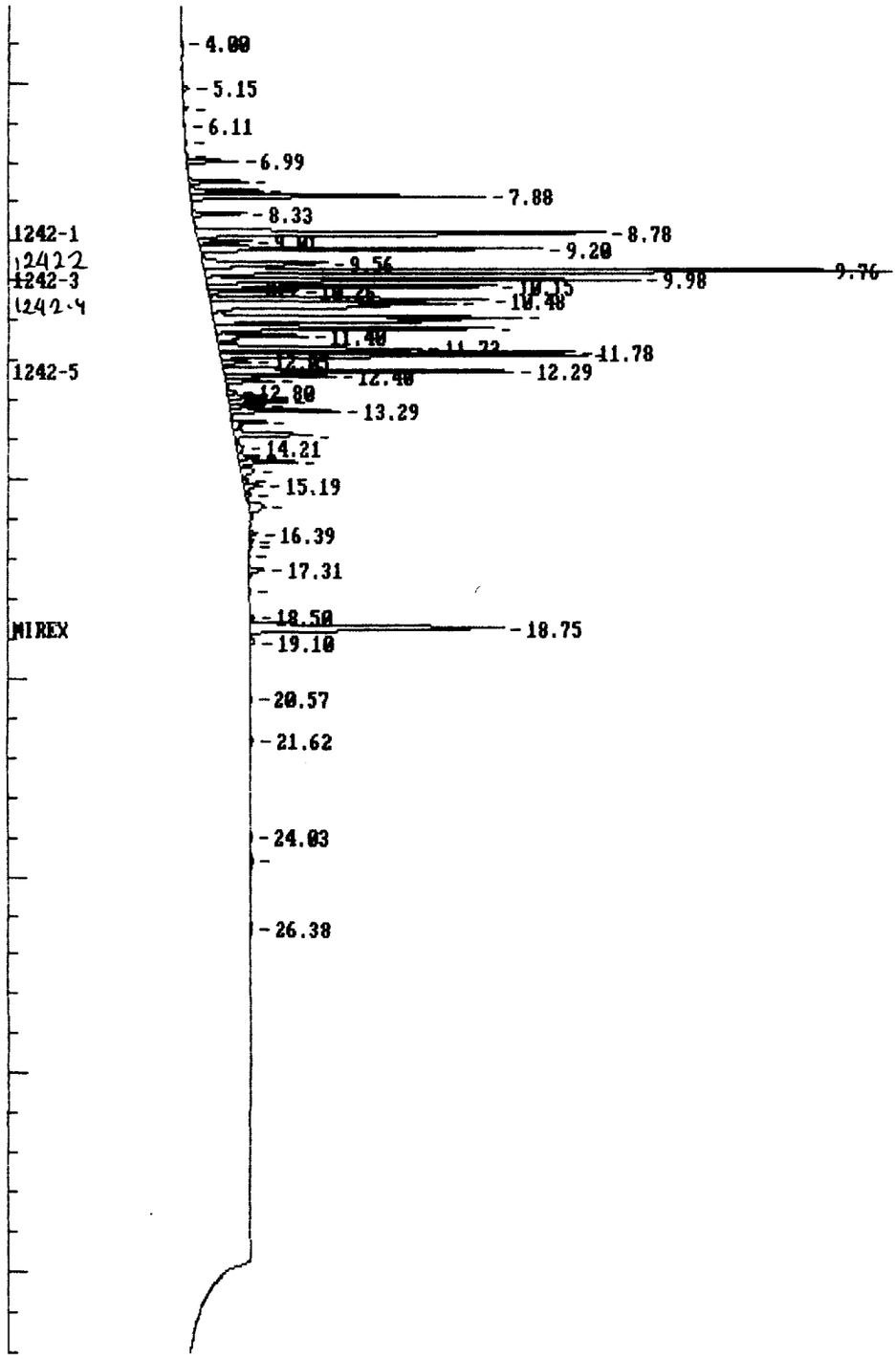
TOTAL AMOUNT = 14.9866

AU(n=5) = 0.557

KM
1-6-93

SECONDARY COLUMN

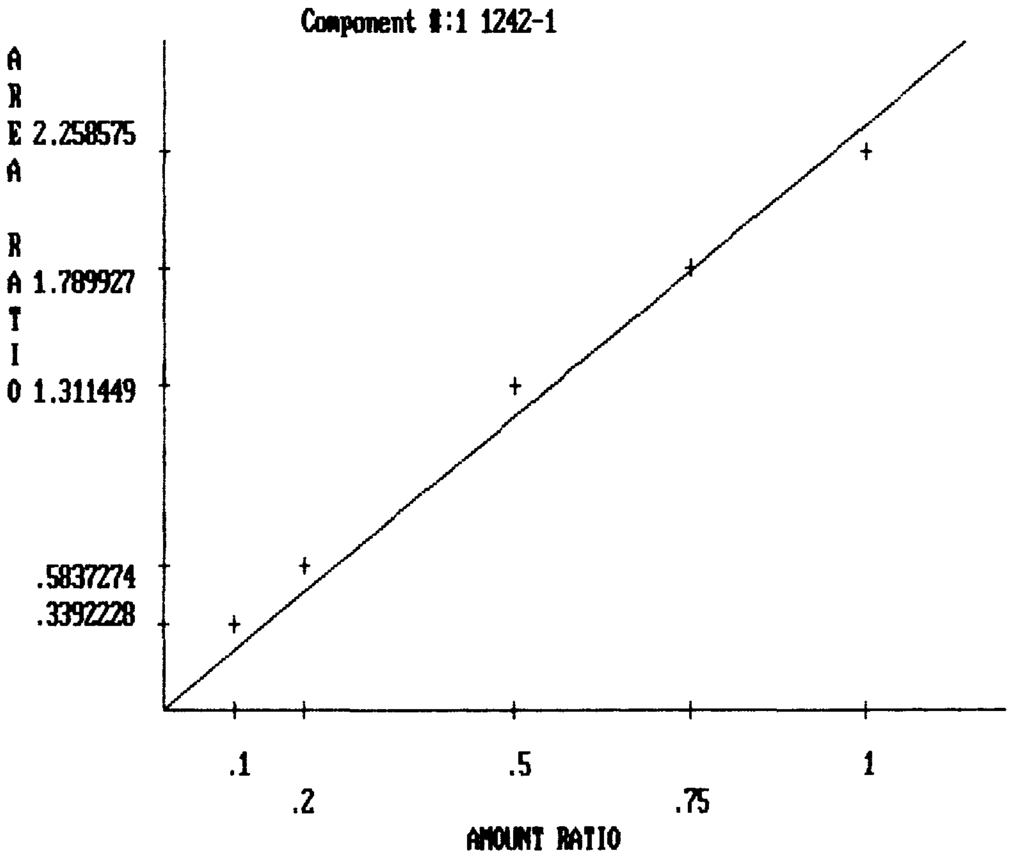
Data File = J:2HOD46.PTS Printed on 05-30-1993 at 10:21:23
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-01-93

SECONDARY COLUMN

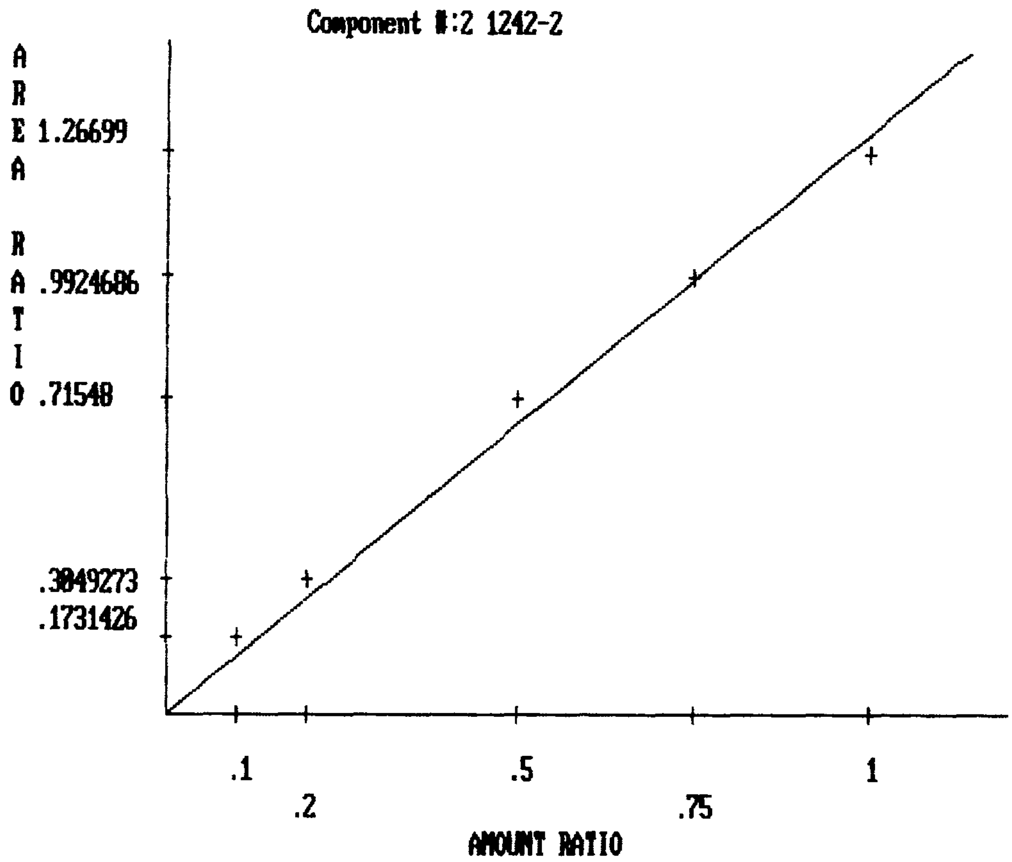
Method J:2_1242
Sample AROCLOR 1242 METHOD DB-5 COLUMN
Operator KM
Run date 05-26-1993 10:15:10 version: 358
Printed on 05-26-1993 AT 10:42:45
Straight Line Fit forced through Origin.



Component 1 = 1242-1
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	156848	0.1000	0.3392
2	0.2000	284327	0.2000	0.5837
3	0.5000	632916	0.5000	1.3114
4	0.7500	876471	0.7500	1.7899
5	1.0000	1117674	1.0000	2.2586

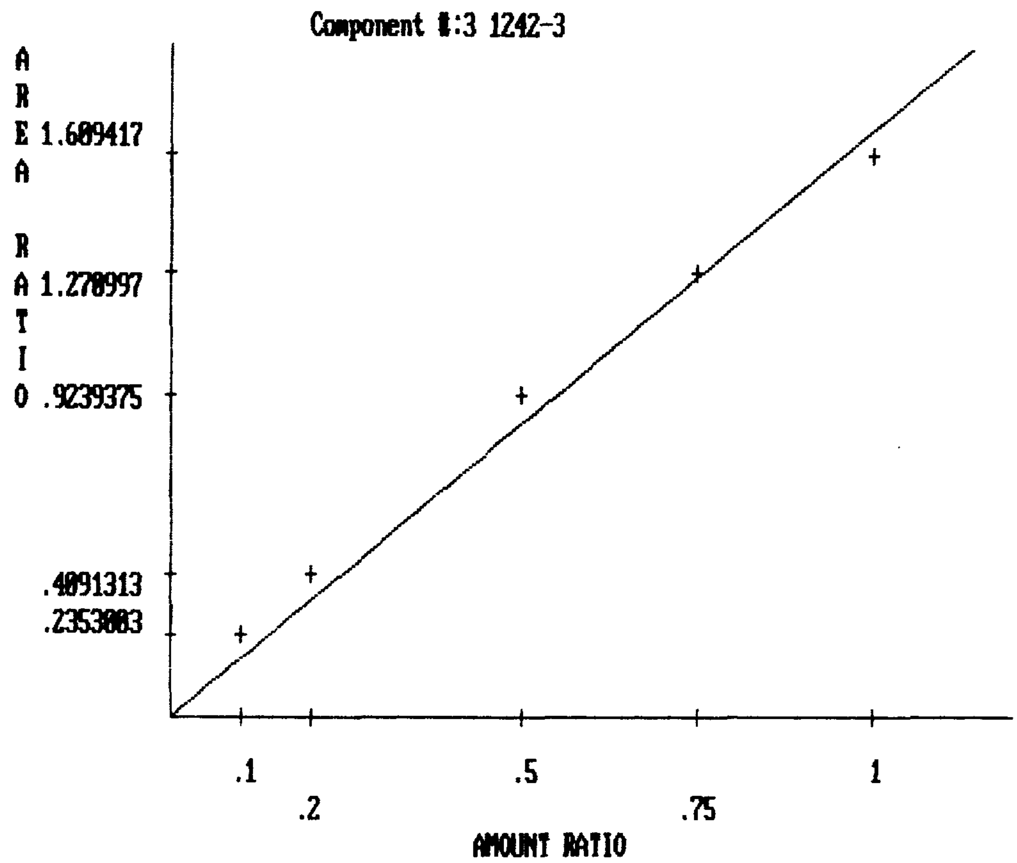
Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 2.3664E+00 * Amt ratio + 0.0000E+00
Amt ratio = 4.2258E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9951



Component 2 = 1242-2
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	80057	0.1000	0.1731
2	0.2000	148527	0.2000	0.3049
3	0.5000	345297	0.5000	0.7155
4	0.7500	485981	0.7500	0.9925
5	1.0000	626980	1.0000	1.2670

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.3140E+00 * Amt ratio + 0.0000E+00
Amt ratio = 7.6102E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9971



Component 3 = 1242-3

INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	108797	0.1000	0.2353
2	0.2000	199283	0.2000	0.4091
3	0.5000	445900	0.5000	0.9239
4	0.7500	622367	0.7500	1.2710
5	1.0000	796433	1.0000	1.6094

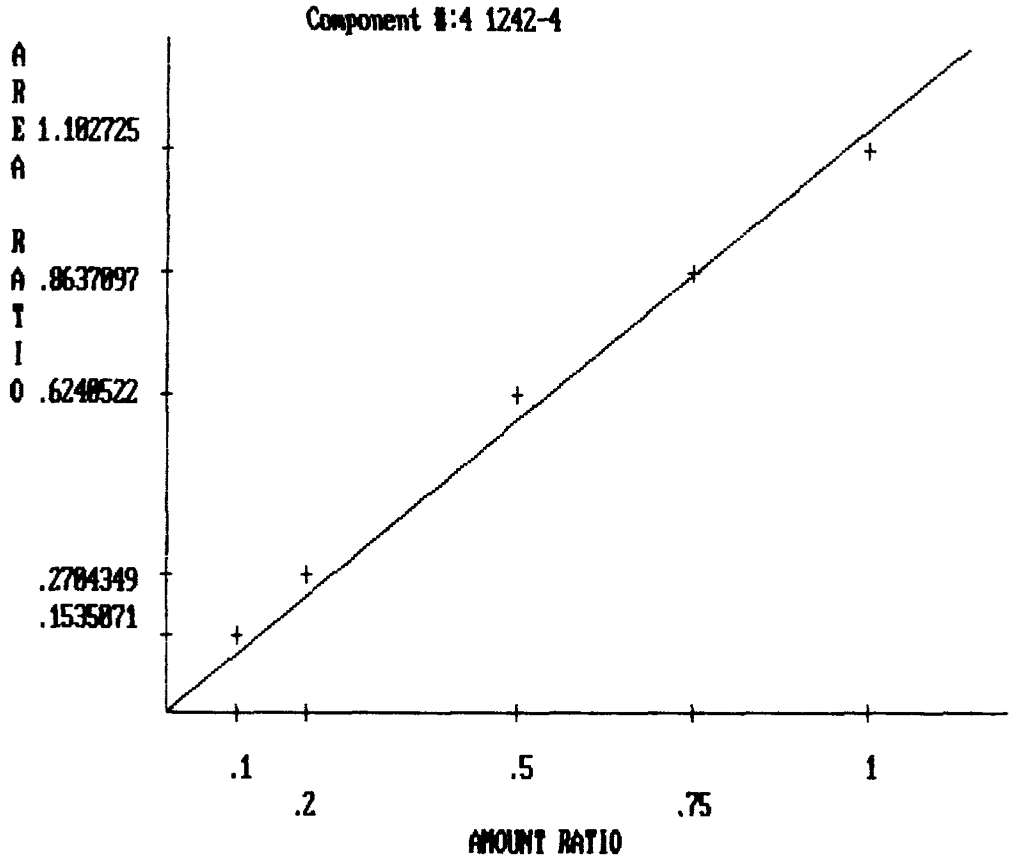
Y = SLOPE * X + INTERCEPT

DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

Area ratio = 1.6805E+00 * Amt ratio + 0.0000E+00

Amt ratio = 5.9505E-01 * Area ratio + 0.0000E+00

Correlation Coefficient = 0.9958

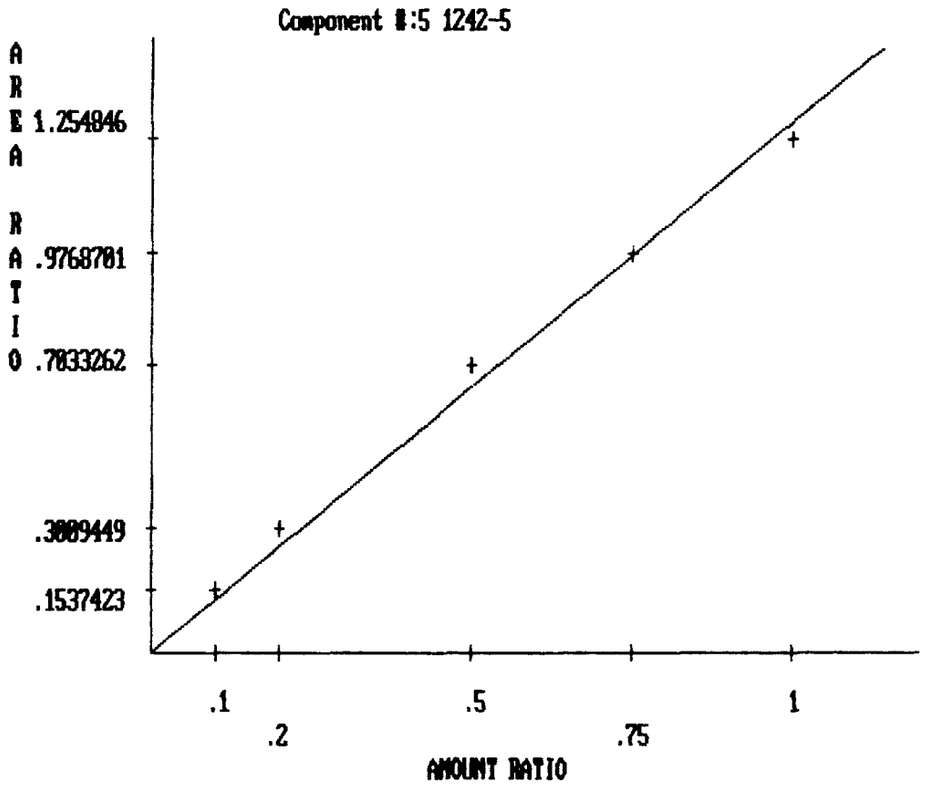


Component 4 = 1242-4
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	70978	0.1000	0.1535
2	0.2000	131726	0.2000	0.2704
3	0.5000	301173	0.5000	0.6241
4	0.7500	422932	0.7500	0.8637
5	1.0000	545692	1.0000	1.1027

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD

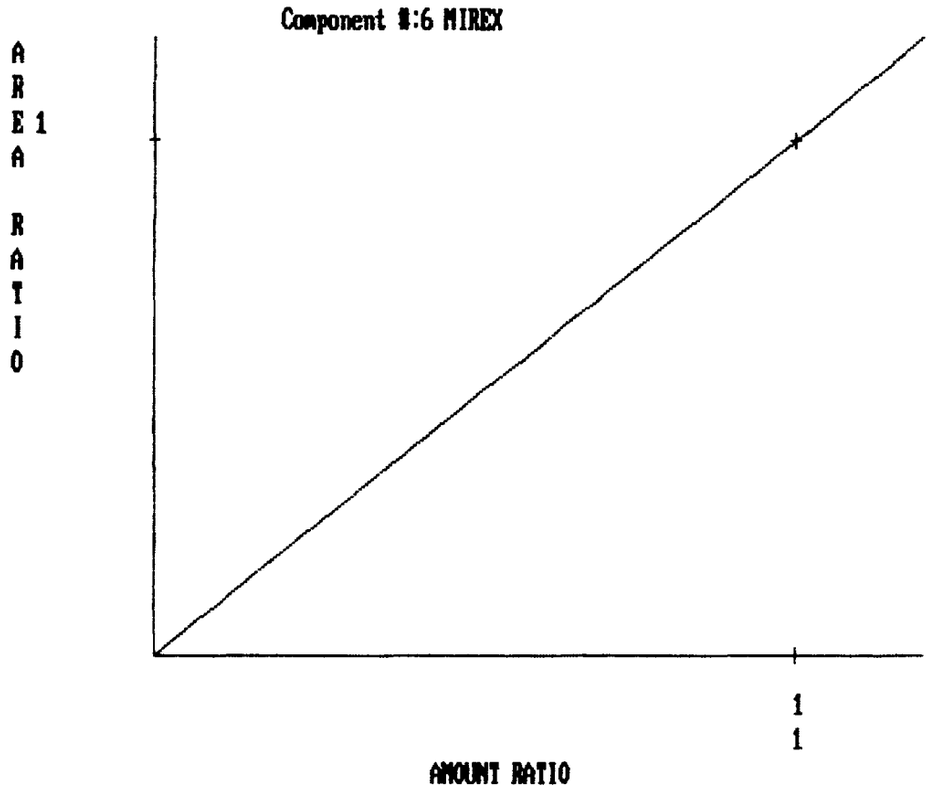
Area ratio = 1.1447E+00 * Amt ratio + 0.0000E+00
Amt ratio = 8.7360E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9969



Component 5 = 1242-5
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	0.1000	71087	0.1000	0.1537
2	0.2000	146587	0.2000	0.3009
3	0.5000	339431	0.5000	0.7033
4	0.7500	478343	0.7500	0.9769
5	1.0000	620970	1.0000	1.2548

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.2965E+00 * Amt ratio + 0.0000E+00
Amt ratio = 7.7131E-01 * Area ratio + 0.0000E+00
Correlation Coefficient = 0.9977



Component 6 = MIREX
INTERNAL STANDARD CALIBRATION

LEVEL	AMOUNT	AREA	AMOUNT Ratio	AREA Ratio
1	1.0000	462375	1.0000	1.0000
2	1.0000	487089	1.0000	1.0000
3	1.0000	482608	1.0000	1.0000
4	1.0000	489669	1.0000	1.0000
5	1.0000	494858	1.0000	1.0000

Y = SLOPE * X + INTERCEPT
DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Area ratio = 1.0000E+00 * Amt ratio + 0.0000E+00
Amt ratio = 1.0000E+00 * Area ratio + 0.0000E+00
Correlation Coefficient = 1.0000

PART IV

AQC Reports and Chromatograms

A. **Solvent Blanks**
   (i) **Primary**
   (ii) **Secondary**

B. **Method Blank**
   (i) **Primary**
   (ii) **Secondary**

C. **Matrix Spike/Matrix Spike Duplicates Pesticide and PCB**
   (i) **Primary**
   (ii) **Secondary**

PRIMARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-26-1993 15:19:45 Version 4.1 **********************
* Sample Name: HEXANE #1                          Data File: J:1HOD1        *
* Date: 05-25-1993 16:21:55 Method: J:1PESTAI  05-26-1993 11:46:48  #  327*
* Interface: 0   Cycle#:  1    Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN                *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                  SCRN:          *     *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

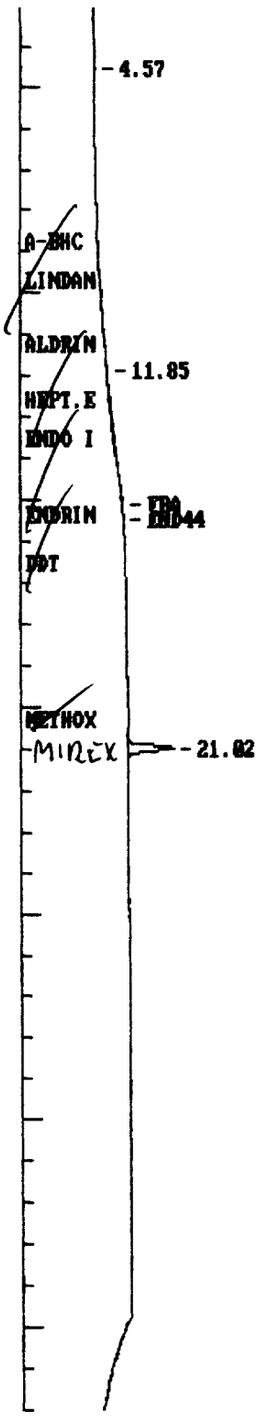
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0208%	879	190	4.6	1		4		1.0507E-09
2	11.85		0.0000	0.1145%	4846	257	18.8	1		4		1.0507E-09
~~3~~	~~16.44~~	~~ENDRIN~~	~~0.0044~~	~~99.8648%~~	~~13744~~	~~-2~~	~~9357.4~~	~~1~~	~~4~~	~~4~~	~~.6827~~	~~3.2315E-07~~
4	21.02	MIREX	1.0000	0.0000%	95179	10453	9.1	1	4	4	0	1.0507E-05

TOTAL AMOUNT = 0.0044

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD1.PTS Printed on 05-26-1993 at 15:19:59
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

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

********** 05-26-1993 15:20:47 Version 4.1 **********

* Sample Name: HEXANE #1 Data File: J:1HOD1 *
* Date: 05-25-1993 16:21:55 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 1 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 1.00
Sample Weight: 1.000000

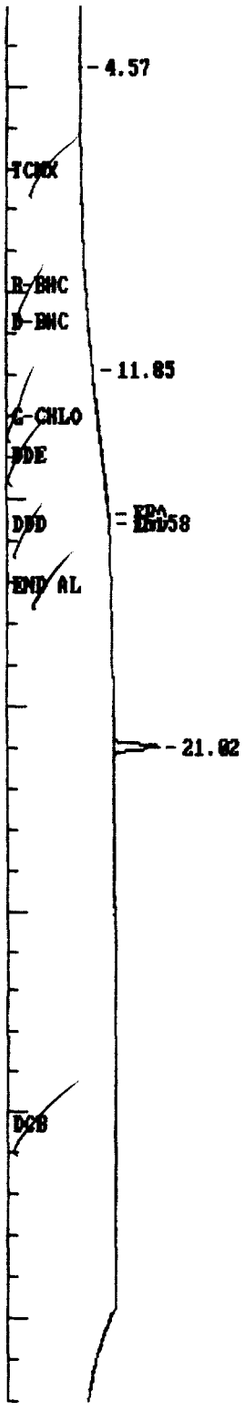
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/µMC	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0879	0.8714%	879	190	4.6	1			1.0000E-04
2	11.85		0.4846	4.8022%	4846	257	18.8	1			1.0000E-04
~~3~~	~~15.58~~	~~DDD~~	~~0.0002~~	~~0.0023%~~	~~1256~~	~~-5~~	~~-230.2~~	~~1~~	~~3~~	~~0~~	~~1.8831E-07~~
4	21.02		9.5179	94.3242%	95179	10453	9.1	1			1.0000E-04

TOTAL AMOUNT = 10.0906

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD1.PTS Printed on 05-26-1993 at 15:21:05
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-27-1993 09:19:35 Version 4.1 **********************
* Sample Name: HEXANE #1                          Data File: J:2HOD2       *
* Date: 05-25-1993 17:03:21 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  2    Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF    *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

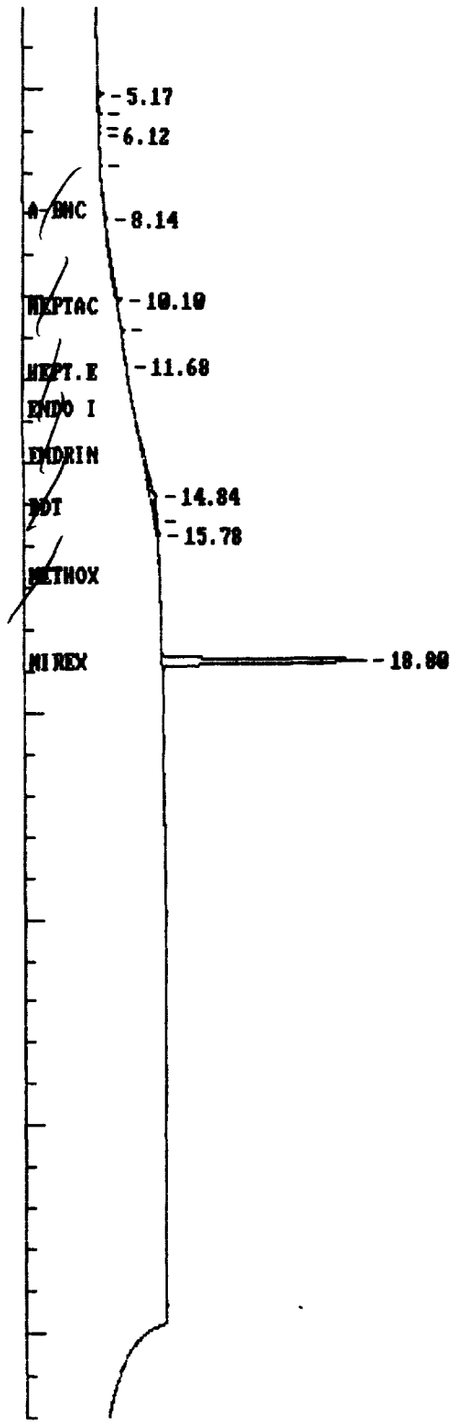
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	5.17		0.0000	0.2416%	4616	1235	3.7	1		14		2.7550E-10
2	5.64		0.0000	0.0811%	1549	702	2.2	1		14		2.7550E-10
3	5.96		0.0000	0.0655%	1252	209	6.0	2		14		2.7550E-10
4	6.12		0.0000	0.0562%	1073	253	4.2	2		14		2.7550E-10
5	6.87		0.0000	0.0427%	817	213	3.8	1		14		2.7550E-10
6	8.14		0.0000	0.1875%	3581	615	5.8	1		14		2.7550E-10
~~7~~	~~10.10~~	~~HEPTACHLOR~~	~~0.0004~~	~~83.2325%~~	~~9587~~	~~1376~~	~~7.0~~	~~1~~	~~14~~	~~14~~	~~-.9825~~	~~4.5485E-08~~
8	10.83		0.0000	0.2926%	5590	836	6.7	2		14		2.7550E-10
~~9~~	~~11.68~~	~~HEPT.EPOXIDE~~	~~0.0001~~	~~11.7807%~~	~~1239~~	~~250~~	~~4.9~~	~~2~~	~~14~~	~~14~~	~~-.9906~~	~~5.0085E-08~~
11	14.84		0.0000	2.6376%	50390	1559	32.3	2		14		2.7550E-10
12	15.42		0.0000	1.1589%	22139	495	44.7	2		14		2.7550E-10
13	15.78		0.0000	0.2231%	4263	485	8.8	2		14		2.7550E-10
14	18.80	MIREX	1.0000	0.0000%	362981	48073	7.6	1	14	14	0	2.7550E-06

TOTAL AMOUNT = 0.0005

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD2.PTS Printed on 05-27-1993 at 09:19:59
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
******   INTERNAL STANDARD TABLE   ******
******************** 05-27-1993 09:20:50 Version 4.1 **********************
* Sample Name: HEXANE #1                          Data File: J:2HOD2       *
* Date: 05-25-1993 17:03:21 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  2    Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF    *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL  *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

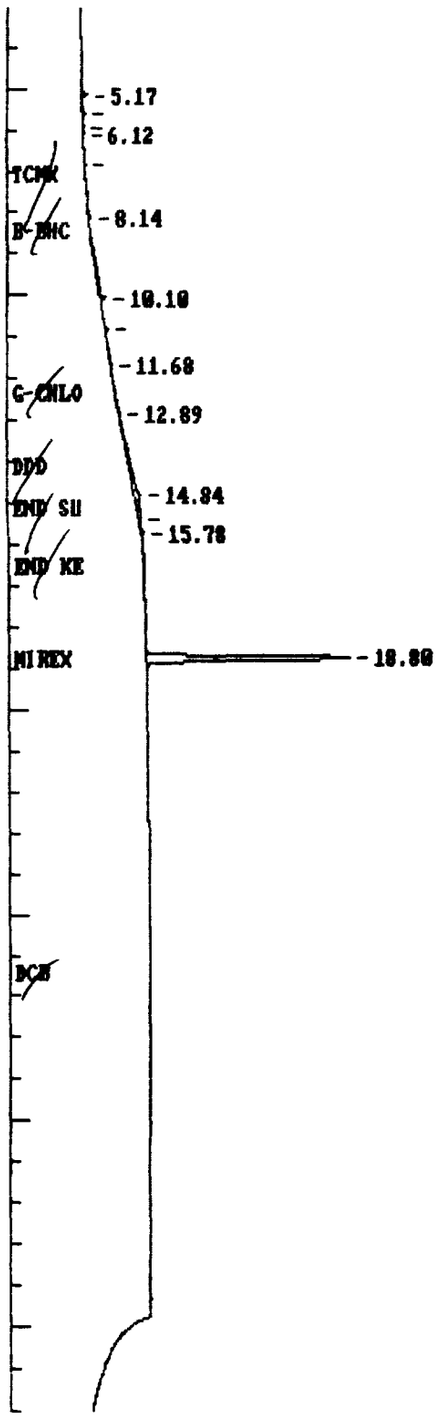
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	5.17		0.0000	4.3474%	4616	1235	3.7	1		14		2.7550E-10
2	5.64		0.0000	1.4590%	1549	702	2.2	1		14		2.7550E-10
3	5.96		0.0000	1.1793%	1252	209	6.0	2		14		2.7550E-10
4	6.12		0.0000	1.0104%	1073	253	4.2	2		14		2.7550E-10
5	6.87		0.0000	0.7692%	817	213	3.8	1		14		2.7550E-10
6	8.14		0.0000	3.3729%	3581	615	5.8	1		14		2.7550E-10
7	10.10		0.0000	9.0293%	9587	1376	7.0	1		14		2.7550E-10
8	10.83		0.0000	5.2654%	5590	836	6.7	2		14		2.7550E-10
9	11.68		0.0000	1.1660%	1238	250	4.9	2		14		2.7550E-10
10	12.89		0.0000	0.0746%	79	287	0.3	1		14		2.7550E-10
11	14.84		0.0000	47.4599%	50390	1559	32.3	2		14		2.7550E-10
12	15.42		0.0000	20.8520%	22139	495	44.7	2		14		2.7550E-10
13	15.78		0.0000	4.0148%	4263	485	8.8	2		14		2.7550E-10
14	18.80	MIREX	1.0000	0.0000%	362981	48073	7.6	1	14	14	0	2.7550E-06

TOTAL AMOUNT = 0.0000

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD2.PTS Printed on 05-27-1993 at 09:21:18
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-26-1993 15:29:40 Version 4.1 **********************
* Sample Name: HEXANE #2                          Data File: J:1HOD21       *
* Date: 05-26-1993 06:12:21 Method: J:1PESTAI  05-26-1993 11:46:48  #  327*
* Interface: 0   Cycle#:  21   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN               *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*           Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                 SCRN:          *    *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:       500                     One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

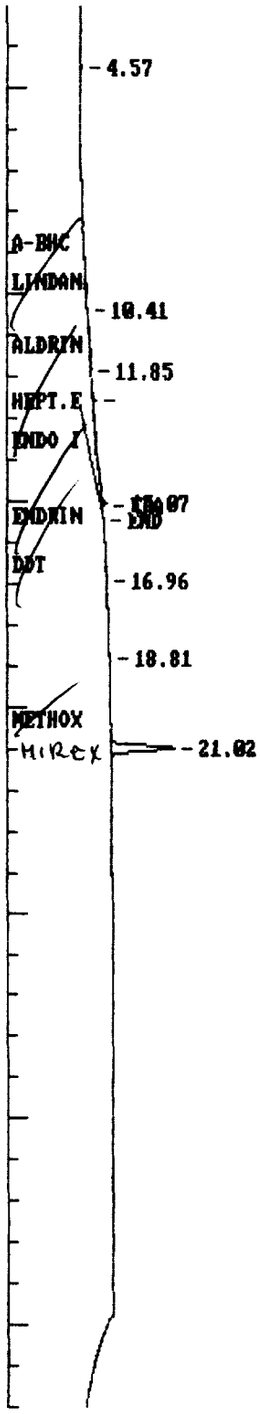
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.0000	0.0244%	1693	374	4.5	1		9		7.1338E-10
~~2~~	~~10.41~~	~~HEPTACHLOR~~	~~0.0001~~	~~2.3013%~~	~~767~~	~~112~~	~~6.8~~	~~1~~	~~9~~	~~9~~	~~-.3988~~	~~1.4867E-07~~
3	11.85		0.0000	0.0390%	2710	126	21.6	1		9		7.1338E-10
~~4~~	~~12.59~~	~~HEPT.EPOXIDE~~	~~0.0002~~	~~4.5074%~~	~~1705~~	~~934~~	~~1.8~~	~~1~~	~~9~~	~~9~~	~~0~~	~~1.3089E-07~~
5	15.07		0.0000	0.0495%	3433	1245	2.8	1		9		7.1338E-10
6	15.07		0.0046	93.0340%	6458178	1730	3733.2	1		9		7.1338E-10
7	16.96		0.0000	0.0229%	1591	129	12.4	1		9		7.1338E-10
8	18.81		0.0000	0.0215%	1492	205	7.3	1		9		7.1338E-10
9	21.02	MIREX	1.0000	0.0000%	140177	15072	9.3	1	9	9	0	7.1338E-06

TOTAL AMOUNT = 0.0050

KM
5-26-93

PRIMARY COLUMN

Data File = J:1HOD21.PTS Printed on 05-26-1993 at 15:29:59
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

PRIMARY COLUMN

```
****** EXTERNAL STANDARD TABLE ******
******************** 05-27-1993 10:13:51 Version 4.1 **********************
* Sample Name: HEXANE #2                          Data File: J:1HOD21       *
* Date: 05-26-1993 06:12:21 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  21   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN                *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                    SCRN:          *   *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:       500                       One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        1.00
Sample Weight:          1.000000
```

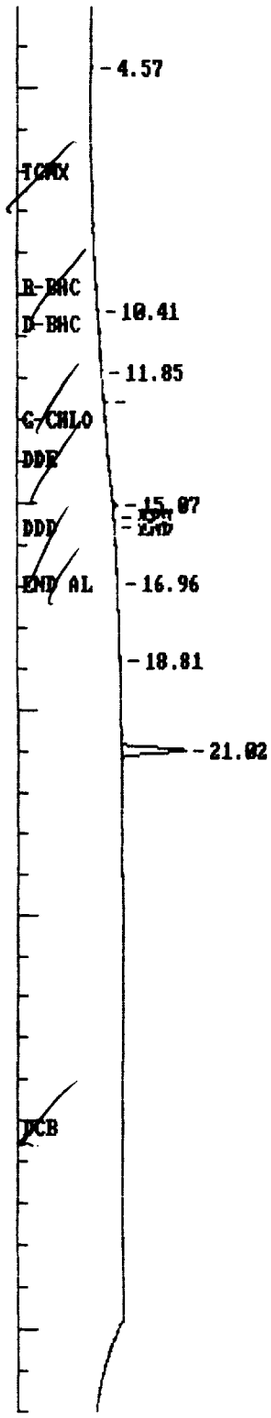
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	4.57		0.1693	1.1138%	1693	374	4.5	1			1.0000E-04
2	10.41		0.0767	0.5043%	767	112	6.8	1			1.0000E-04
3	11.85		0.2710	1.7832%	2710	126	21.6	1			1.0000E-04
4	12.59		0.1705	1.1220%	1705	934	1.8	1			1.0000E-04
5	15.07		0.3433	2.2585%	3433	1245	2.8	1			1.0000E-04
~~6~~	~~15.58~~	~~DDD~~	~~0.0015~~	~~0.0098%~~	~~7928~~	~~-4~~	~~2042.9~~	~~1~~	~~6~~	~~0~~	~~1.8831E-07~~
~~7~~	~~16.96~~	~~END ALDEHYDE~~	~~0.0002~~	~~0.0013%~~	~~1591~~	~~129~~	~~12.4~~	~~1~~	~~7~~	~~0~~	~~1.2709E-07~~
8	18.81		0.1492	0.9816%	1492	205	7.3	1			1.0000E-04
9	21.02		14.0177	92.2253%	140177	15072	9.3	1			1.0000E-04

TOTAL AMOUNT = 15.1994

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD21.PTS Printed on 05-27-1993 at 10:14:10
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
*****   INTERNAL  STANDARD  TABLE   *****
******************** 05-27-1993 09:27:18 Version 4.1 *********************
* Sample Name: HEXANE #2                               Data File: J:2HOD22     *
* Date: 05-26-1993 06:53:49 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  22   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500            *
***************************************************************************
* Instrument Type: HP 5890  #5         Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*          Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                  H.O.D. LANDFILL     *
***************************************************************************
Starting Delay:   3.00                     Ending retention time:   37.00
Area reject:      500                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:       1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

(Line "Detector 0: DB608 QUAN" is struck through.)

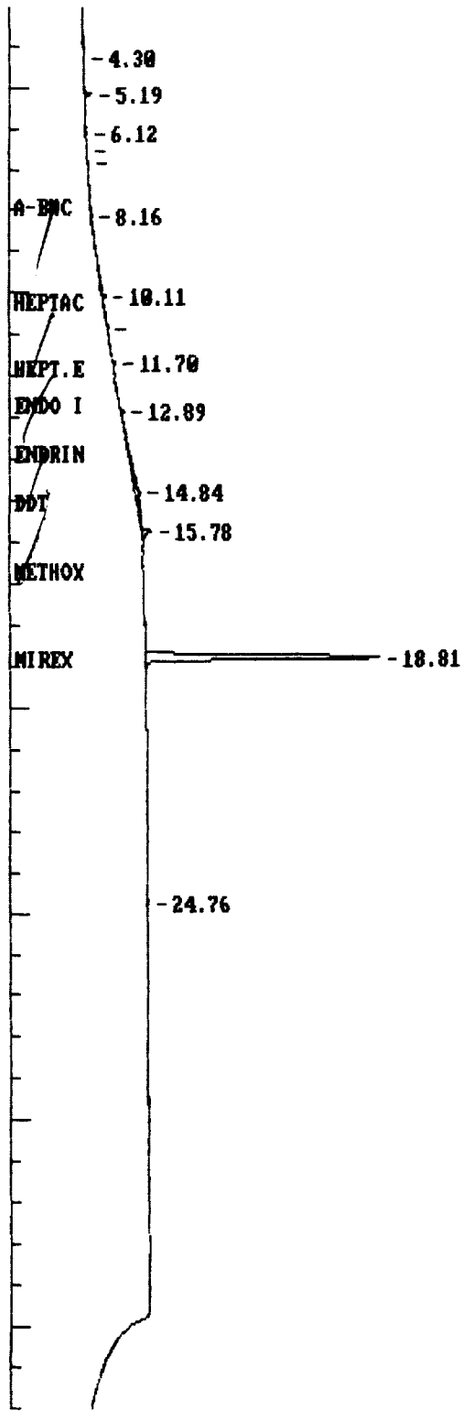
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.30		0.0000	0.2457%	4577	225	20.3	1		13		2.3951E-10
2	5.19		0.0000	0.3351%	6243	1647	3.8	1		13		2.3951E-10
3	6.12		0.0000	0.0562%	1047	274	3.8	1		13		2.3951E-10
4	6.54		0.0000	0.0518%	966	182	5.3	1		13		2.3951E-10
5	6.87		0.0000	0.0674%	1257	338	3.7	1		13		2.3951E-10
6	8.16		0.0000	0.1663%	3099	170	18.3	1		13		2.3951E-10
~~7~~	~~10.11~~	~~HEPTACHLOR~~	~~0.0003~~	~~77.0687%~~	~~8656~~	~~710~~	~~12.2~~	~~1~~	~~13~~	~~13~~	~~-.9068~~	~~3.9726E-08~~
8	10.85		0.0000	0.1869%	3482	274	12.7	2		13		2.3951E-10
~~9~~	~~11.70~~	~~HEPT.EPOXIDE~~	~~0.0001~~	~~16.2094%~~	~~1661~~	~~619~~	~~2.7~~	~~2~~	~~13~~	~~13~~	~~-.9370~~	~~4.3542E-08~~
10	12.89		0.0000	0.2544%	4739	881	5.4	2		13		2.3951E-10
11	14.84		0.0000	3.0175%	56216	1428	39.4	2		13		2.3951E-10
12	15.78		0.0000	2.2614%	42130	2354	17.9	2		13		2.3951E-10
13	18.81	MIREX	1.0000	0.0000%	417524	54839	7.6	1	13	13	0	2.3951E-06
14	24.76		0.0000	0.0791%	1473	140	10.6	1		13		2.3951E-10

TOTAL AMOUNT = 0.0004

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD22.PTS Printed on 05-27-1993 at 09:27:43
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-27-1993 09:39:04 Version 4.1 **********************
* Sample Name: HEXANE #2                          Data File: J:2HOD22      *
* Date: 05-26-1993 06:53:49 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  22   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~        Detector 1: DB-5 CONF      *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:        1.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

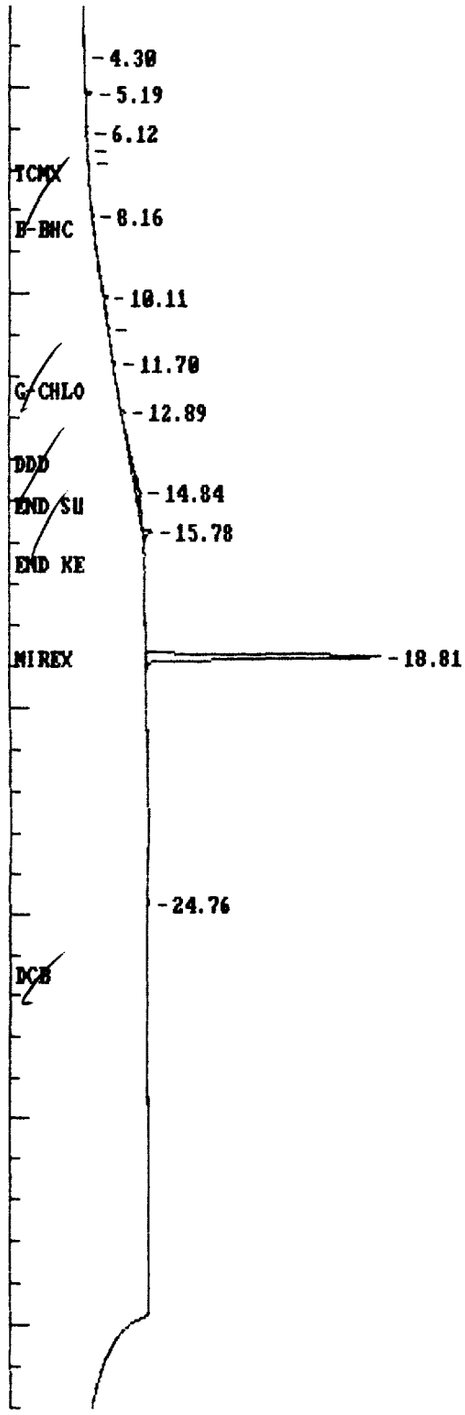
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/~~µ~~ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	4.30		0.0000	3.3768%	4577	225	20.3	1		13		2.3951E-10
2	5.19		0.0000	4.6058%	6243	1647	3.8	1		13		2.3951E-10
3	6.12		0.0000	0.7721%	1047	274	3.8	1		13		2.3951E-10
4	6.54		0.0000	0.7126%	966	182	5.3	1		13		2.3951E-10
5	6.87		0.0000	0.9270%	1257	338	3.7	1		13		2.3951E-10
6	8.16		0.0000	2.2861%	3099	170	18.3	1		13		2.3951E-10
7	10.11		0.0000	6.3863%	8656	710	12.2	1		13		2.3951E-10
8	10.85		0.0000	2.5690%	3482	274	12.7	2		13		2.3951E-10
9	11.70		0.0000	1.2255%	1661	619	2.7	2		13		2.3951E-10
10	12.89		0.0000	3.4960%	4739	881	5.4	2		13		2.3951E-10
11	14.84		0.0000	41.4739%	56216	1428	39.4	2		13		2.3951E-10
12	15.78		0.0000	31.0817%	42130	2354	17.9	2		13		2.3951E-10
13	18.81	MIREX	1.0000	0.0000%	417524	54839	7.6	1	13	13	0	2.3951E-06
14	24.76		0.0000	1.0871%	1473	140	10.6	1		13		2.3951E-10

TOTAL AMOUNT = 0.0000

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD22.PTS Printed on 05-27-1993 at 09:39:32
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 15:47:58 Version 4.1 **********

* Sample Name: SF 1187 METHOD BLANK Data File: J:1HOD22 *

* Date: 05-26-1993 06:53:50 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*

* Interface: 0 Cycle#: 22 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 1.000000

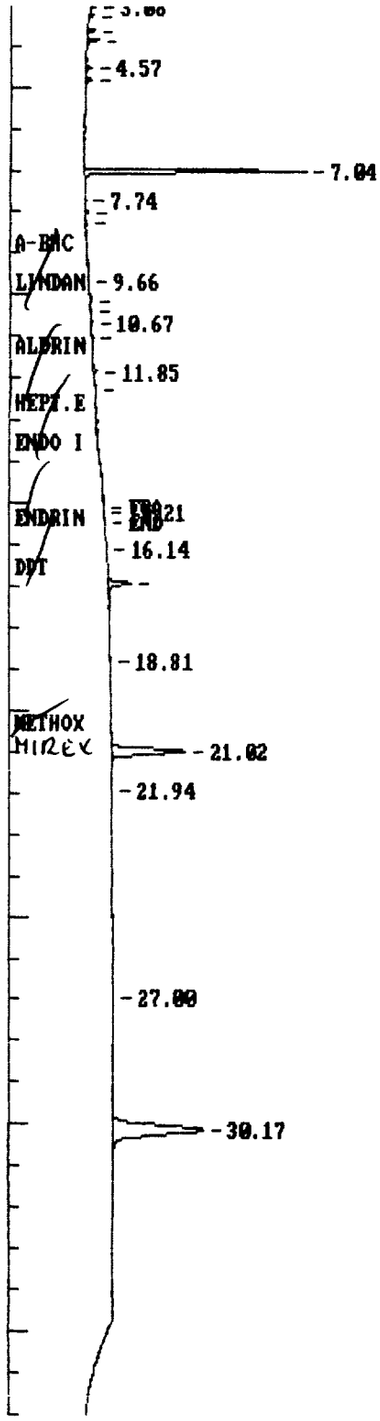
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.08		0.0000	0.2056%	5961	1213	4.9	2		23		6.1706E-09
2	3.28		0.0000	0.1473%	4269	1041	4.1	2		23		6.1707E-09
3	3.65		0.0000	0.2363%	6849	1613	4.2	1		23		6.1706E-09
4	3.90		0.0001	0.4245%	12304	2748	4.5	1		23		6.1707E-09
5	4.57		0.0000	0.2252%	6529	1405	4.6	1		23		6.1707E-09
6	4.85		0.0000	0.2637%	7643	1533	5.0	1		23		6.1706E-09
7	7.04		0.0012	6.8112%	197438	51986	3.8	1		23		6.1706E-09
8	7.74		0.0000	0.0387%	1122	217	5.2	1		23		6.1707E-09
9	8.03		0.0000	0.0835%	2420	672	3.6	2		23		6.1706E-09
10	8.26		0.0000	0.0501%	1451	214	6.8	2		23		6.1707E-09
~~11~~	~~9.66~~	~~LINDANE~~	~~0.0032~~	~~17.9233%~~	~~3207~~	~~143~~	~~22.4~~	~~1~~	~~23~~	~~23~~	~~-.2518~~	~~9.9955E-07~~
12	10.15		0.0000	0.0719%	2085	366	5.7	1		23		6.1707E-09
~~13~~	~~10.41~~	~~HEPTACHLOR~~	~~0.0020~~	~~11.1623%~~	~~1553~~	~~266~~	~~5.8~~	~~1~~	~~23~~	~~23~~	~~-.3988~~	~~1.2860E-06~~
14	10.67		0.0000	0.0528%	1530	363	4.2	1		23		6.1706E-09
15	11.05		0.0000	0.0533%	1545	381	4.1	1		23		6.1707E-09
16	11.85		0.0000	0.1666%	4830	920	5.2	1		23		6.1707E-09
17	12.29		0.0000	0.0472%	1369	290	4.7	1		23		6.1707E-09
~~19~~	~~15.21~~	~~ENDRIN~~	~~0.0088~~	~~49.2911%~~	~~4646~~	~~82~~	~~56.4~~	~~1~~	~~23~~	~~23~~	~~-.8416~~	~~1.8979E-06~~
20	16.14		0.0000	0.0297%	860	191	4.5	1		23		6.1707E-09
21	16.96		0.0002	1.2879%	37334	5487	6.8	1		23		6.1707E-09
22	18.81		0.0000	0.0487%	1413	184	7.7	1		23		6.1707E-09
23	21.02	MIREX	1.0000	0.0000%	162057	17375	9.3	1	23	23	0	6.1707E-06
24	21.94		0.0000	0.0442%	1283	133	9.6	1		23		6.1707E-09
25	27.00		0.0000	0.0827%	2397	210	11.4	1		23		6.1707E-09
26	30.17		0.0020	11.2522%	326173	21192	15.4	1		23		6.1707E-09

TOTAL AMOUNT = 0.0179

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD22.PTS Printed on 05-26-1993 at 15:48:40
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

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

********** 05-27-1993 10:19:22 Version 4.1 **********

* Sample Name: SF 1187 METHOD BLANK Data File: J:1HOD22 *
* Date: 05-26-1993 06:53:50 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 22 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

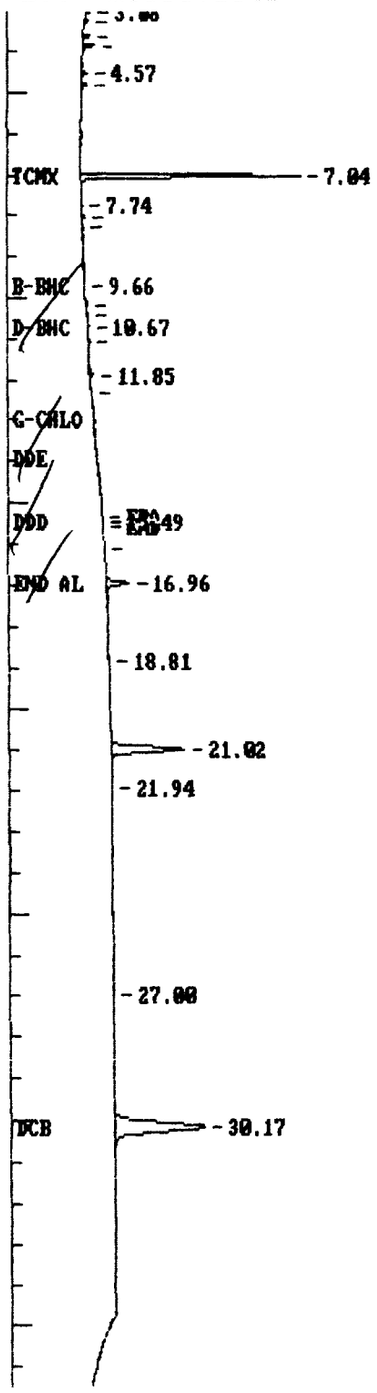
Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Sample Weight: 1.000000

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	3.08		5.9607	2.6103%	5961	1213	4.9	2			1.0000E-03
2	3.28		4.2686	1.8693%	4269	1041	4.1	2			1.0000E-03
3	3.65		6.8487	2.9992%	6849	1613	4.2	1			1.0000E-03
4	3.90		12.3041	5.3882%	12304	2748	4.5	1			1.0000E-03
5	4.57		6.5285	2.8590%	6529	1405	4.6	1			1.0000E-03
6	4.85		7.6433	3.3472%	7643	1533	5.0	1			1.0000E-03
7	7.04	TCMX	0.1285	0.0563%	197438	51986	3.8	1	7	0	6.5094E-07
8	7.74		1.1222	0.4915%	1122	217	5.2	1			1.0000E-03
9	8.03		2.4199	1.0597%	2420	672	3.6	2			1.0000E-03
10	8.26		1.4514	0.6356%	1451	214	6.8	2			1.0000E-03
~~11~~	~~9.46~~	~~B-BHC~~	~~0.0037~~	~~0.0016%~~	~~3207~~	~~143~~	~~22.4~~	~~1~~	~~11~~	~~0~~	~~1.1657E-06~~
12	10.15		2.0852	0.9131%	2085	366	5.7	1			1.0000E-03
13	10.41		1.5526	0.6799%	1553	266	5.8	1			1.0000E-03
~~14~~	~~10.67~~	~~D-BHC~~	~~0.0015~~	~~0.0007%~~	~~1530~~	~~363~~	~~4.2~~	~~1~~	~~14~~	~~0~~	~~9.8210E-07~~
15	11.05		1.5451	0.6766%	1545	381	4.1	1			1.0000E-03
16	11.85		4.8301	2.1152%	4830	920	5.2	1			1.0000E-03
17	12.29		1.3692	0.5996%	1369	290	4.7	1			1.0000E-03
~~19~~	~~15.49~~	~~DDD~~	~~0.0207~~	~~0.0091%~~	~~10999~~	~~104~~	~~106.0~~	~~1~~	~~19~~	~~0~~	~~1.8831E-06~~
20	16.14		0.8602	0.3767%	860	191	4.5	1			1.0000E-03
~~21~~	~~16.96~~	~~END ALDEHYDE~~	~~0.0474~~	~~0.0208%~~	~~37334~~	~~5487~~	~~6.8~~	~~1~~	~~21~~	~~0~~	~~1.2709E-06~~
22	18.81		1.4128	0.6187%	1413	184	7.7	1			1.0000E-03
23	21.02		162.0575	70.9687%	162057	17375	9.3	1			1.0000E-03
24	21.94		1.2826	0.5617%	1283	133	9.6	1			1.0000E-03
25	27.00		2.3968	1.0496%	2397	210	11.4	1			1.0000E-03
26	30.17	DCB	0.2093	0.0916%	326173	21192	15.4	1	26	0	6.4160E-07

TOTAL AMOUNT = 228.3506

KM
5-27-93

Data File = J:1HOD22.PTS Printed on 05-27-1993 at 10:19:59
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-27-1993 12:46:13 Version 4.1 **********************
* Sample Name: SF 1187 METHOD BLANK                Data File: J:2HOD23      *
* Date: 05-26-1993 07:35:16 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  23   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*              Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL     *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.4241%	23737	6630	3.6	1		43		2.1005E-09
2	3.65		0.0000	0.3838%	21479	5376	4.0	1		43		2.1005E-09
3	4.19		0.0000	0.0225%	1260	290	4.3	1		43		2.1005E-09
4	4.67		0.0000	0.0264%	1477	479	3.1	1		43		2.1005E-09
5	4.99		0.0000	0.0271%	1517	280	5.4	2		43		2.1005E-09
6	5.19		0.0001	0.5219%	29210	6359	4.6	3		43		2.1005E-09
7	5.52		0.0000	0.0453%	2534	285	8.9	4		43		2.1005E-09
8	5.91		0.0000	0.0652%	3647	353	10.3	2		43		2.1005E-09
9	6.12		0.0000	0.0880%	4925	714	6.9	2		43		2.1005E-09
10	6.54		0.0000	0.0494%	2763	458	6.0	1		43		2.1005E-09
11	6.76		0.0000	0.0330%	1848	554	3.3	1		43		2.1005E-09
12	6.87		0.0000	0.0312%	1746	478	3.7	2		43		2.1005E-09
13	7.09		0.0009	7.5437%	422224	111496	3.8	2		43		2.1005E-09
14	7.66		0.0000	0.0274%	1534	372	4.1	2		43		2.1005E-09
15	7.78		0.0000	0.1378%	7715	1658	4.7	2		43		2.1005E-09
~~16~~	~~7.99~~	~~A-BHC~~	~~0.0003~~	~~2.9754%~~	~~1036~~	~~324~~	~~3.2~~	~~1~~	~~43~~	~~43~~	~~.8427~~	~~3.3763E-07~~
17	8.29		0.0000	0.0538%	3012	373	8.1	2		43		2.1005E-09
~~18~~	~~8.68~~	~~LINDANE~~	~~0.0012~~	~~10.0081%~~	~~3111~~	~~271~~	~~11.5~~	~~2~~	~~43~~	~~43~~	~~.7757~~	~~3.7826E-07~~
19	8.95		0.0000	0.0799%	4470	1337	3.3	1		43		2.1005E-09
20	9.30		0.0000	0.0285%	1593	220	7.2	1		43		2.1005E-09
21	9.45		0.0000	0.0242%	1355	411	3.3	2		43		2.1005E-09
22	9.58		0.0000	0.1141%	6387	1583	4.0	2		43		2.1005E-09
23	9.68		0.0000	0.1149%	6433	1275	5.0	2		43		2.1005E-09
24	9.83		0.0000	0.0523%	2928	531	5.5	2		43		2.1005E-09
~~25~~	~~10.10~~	~~HEPTACHLOR~~	~~0.0034~~	~~29.2444%~~	~~9868~~	~~1727~~	~~5.7~~	~~2~~	~~43~~	~~43~~	~~-.9825~~	~~3.4840E-07~~
26	10.48		0.0000	0.1143%	6396	887	7.2	2		43		2.1005E-09
27	10.85		0.0000	0.2036%	11398	2241	5.1	2		43		2.1005E-09
28	11.62		0.0000	0.0380%	2125	646	3.3	1		43		2.1005E-09
29	11.93		0.0000	0.0187%	1049	251	4.2	1		43		2.1005E-09
30	12.42		0.0000	0.0675%	3778	435	8.7	1		43		2.1005E-09
~~31~~	~~12.60~~	~~ENDO I~~	~~0.0008~~	~~7.0163%~~	~~1912~~	~~326~~	~~5.9~~	~~1~~	~~43~~	~~43~~	~~-.5272~~	~~4.3134E-07~~
32	12.89		0.0000	0.1061%	5938	1182	5.0	1		43		2.1005E-09
33	13.47		0.0000	0.1562%	8742	429	20.4	2		43		2.1005E-09
~~34~~	~~13.94~~	~~ENDRIN~~	~~0.0024~~	~~20.2418%~~	~~4817~~	~~404~~	~~11.9~~	~~2~~	~~43~~	~~43~~	~~.7240~~	~~4.9494E-07~~
35	14.16		0.0000	0.0449%	2512	372	6.8	2		43		2.1005E-09
36	14.47		0.0000	0.1279%	7158	1043	6.8	2		43		2.1005E-09

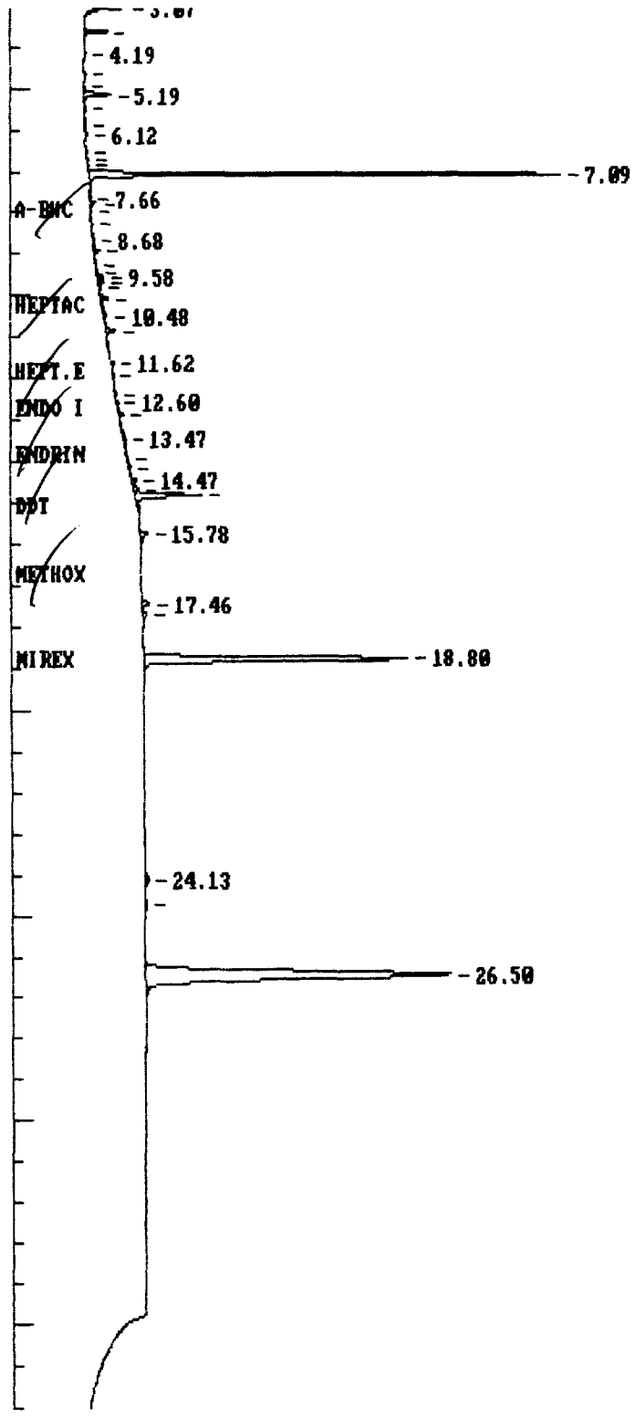
37	14.67		0.0000	0.1332%	1568	1133	6.6	2		43		2.1005E-09
38	14.84		0.0002	1.4495%	81126	15804	5.1	3		43		2.1005E-09
40	15.78		0.0000	0.2810%	15725	1953	8.1	1		43		2.1005E-09
41	17.46		0.0000	0.2267%	12688	1828	6.9	1		43		2.1005E-09
42	17.73		0.0000	0.1312%	7343	1071	6.9	1		43		2.1005E-09
43	18.80	MIREX	1.0000	0.0000%	476078	62378	7.6	1	43	43	0	2.1005E-06
44	24.13		0.0000	0.1604%	8976	832	10.8	1		43		2.1005E-09
45	24.74		0.0000	0.0628%	3515	297	11.8	1		43		2.1005E-09
46	26.50		0.0020	17.2958%	968047	72121	13.4	1		43		2.1005E-09

TOTAL AMOUNT = 0.0118

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD23.PTS Printed on 05-27-1993 at 12:47:11
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
******    INTERNAL STANDARD TABLE    ******
******************** 05-27-1993 09:28:34 Version 4.1 **********************
* Sample Name: SF 1187 METHOD BLANK                Data File: J:2HOD23      *
* Date: 05-26-1993 07:35:16 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  23   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF      *
* Misc. Information: H.O.D. LANDFILL                      H.O.D. LANDFILL   *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0143%	23737	6630	3.6	1		43		2.1005E-09
2	3.65		0.0000	0.0129%	21479	5376	4.0	1		43		2.1005E-09
3	4.19		0.0000	0.0008%	1260	290	4.3	1		43		2.1005E-09
4	4.67		0.0000	0.0009%	1477	479	3.1	1		43		2.1005E-09
5	4.99		0.0000	0.0009%	1517	280	5.4	2		43		2.1005E-09
6	5.19		0.0001	0.0176%	29210	6359	4.6	3		43		2.1005E-09
7	5.52		0.0000	0.0015%	2534	285	8.9	4		43		2.1005E-09
8	5.91		0.0000	0.0022%	3647	353	10.3	2		43		2.1005E-09
9	6.12		0.0000	0.0030%	4925	714	6.9	2		43		2.1005E-09
10	6.54		0.0000	0.0017%	2763	458	6.0	1		43		2.1005E-09
11	6.76		0.0000	0.0011%	1848	554	3.3	1		43		2.1005E-09
12	6.87		0.0000	0.0011%	1746	478	3.7	2		43		2.1005E-09
13	7.09	TCMX	0.1300	37.3114%	422224	111496	3.8	2	43	43	.1469	3.0792E-07
14	7.66		0.0000	0.0009%	1534	372	4.1	2		43		2.1005E-09
15	7.78		0.0000	0.0047%	7715	1658	4.7	2		43		2.1005E-09
16	7.99		0.0000	0.0006%	1036	324	3.2	1		43		2.1005E-09
17	8.29		0.0000	0.0018%	3012	373	8.1	2		43		2.1005E-09
18	8.68		0.0000	0.0019%	3111	271	11.5	2		43		2.1005E-09
19	8.95		0.0000	0.0027%	4470	1337	3.3	1		43		2.1005E-09
20	9.30		0.0000	0.0010%	1593	220	7.2	1		43		2.1005E-09
21	9.45		0.0000	0.0008%	1355	411	3.3	2		43		2.1005E-09
22	9.58		0.0000	0.0039%	6387	1583	4.0	2		43		2.1005E-09
23	9.68		0.0000	0.0039%	6433	1275	5.0	2		43		2.1005E-09
24	9.83		0.0000	0.0018%	2928	531	5.5	2		43		2.1005E-09
25	10.10		0.0000	0.0059%	9868	1727	5.7	2		43		2.1005E-09
26	10.48		0.0000	0.0039%	6396	887	7.2	2		43		2.1005E-09
27	10.85		0.0000	0.0069%	11398	2241	5.1	2		43		2.1005E-09
28	11.62		0.0000	0.0013%	2125	646	3.3	1		43		2.1005E-09
29	11.93		0.0000	0.0006%	1049	251	4.2	1		43		2.1005E-09
~~30~~	~~12.42~~	~~B-CHLOR~~	~~0.0012~~	~~0.3520%~~	~~3778~~	~~435~~	~~8.7~~	~~1~~	~~43~~	~~43~~	~~.5874~~	~~3.2467E-07~~
~~31~~	~~12.60~~	~~A-CHLOR~~	~~0.0006~~	~~0.1788%~~	~~1912~~	~~326~~	~~5.9~~	~~1~~	~~43~~	~~43~~	~~-.8769~~	~~3.2585E-07~~

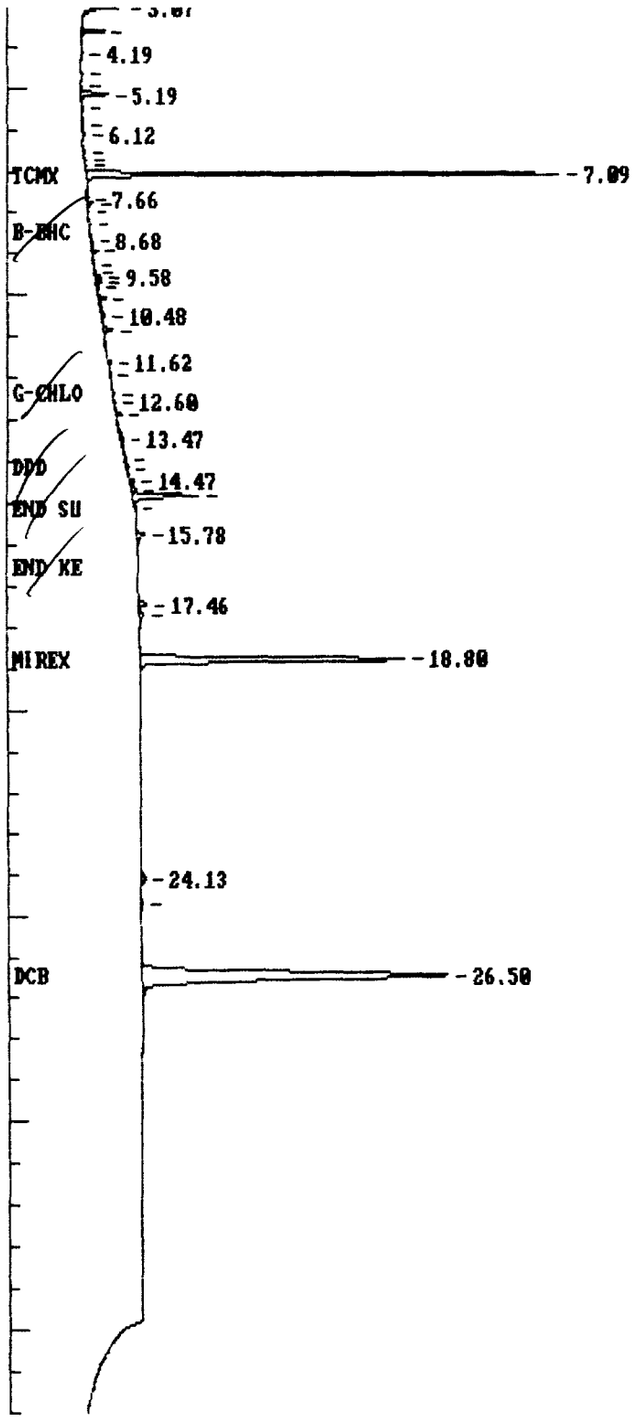
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		43		2.1005E-09
33	13.47	0.0000	0.0053%	8742	429	20.4	2		43		2.1005E-09
34	13.94	0.0000	0.0029%	4817	404	11.9	2		43		2.1005E-09
~~35~~	~~14.16 DDD~~	~~0.0012~~	~~0.3410%~~	~~2512~~	~~372~~	~~6.8~~	~~2~~	~~43~~	~~43~~	~~.3848~~	~~4.7303E-07~~
~~36~~	~~14.47 END ALD~~	~~0.0033~~	~~0.9611%~~	~~7158~~	~~1043~~	~~6.9~~	~~2~~	~~43~~	~~43~~	~~0~~	~~4.6790E-07~~
37	14.67	0.0000	0.0046%	7568	1153	6.6	2		43		2.1005E-09
38	14.84	0.0002	0.0489%	81126	15804	5.1	3		43		2.1005E-09
~~39~~	~~15.09 END SULFATE~~	~~0.0002~~	~~0.0717%~~	~~453~~	~~148~~	~~3.1~~	~~4~~	~~43~~	~~43~~	~~0~~	~~5.5129E-07~~
40	15.78	0.0000	0.0095%	15725	1953	8.1	1		43		2.1005E-09
41	17.46	0.0000	0.0076%	12688	1828	6.9	1		43		2.1005E-09
42	17.73	0.0000	0.0044%	7343	1071	6.9	1		43		2.1005E-09
43	18.80 MIREX	1.0000	0.0000%	476078	62378	7.6	1	43	43	0	2.1005E-06
44	24.13	0.0000	0.0054%	8976	832	10.8	1		43		2.1005E-09
45	24.74	0.0000	0.0021%	3515	297	11.8	1		43		2.1005E-09
46	26.50 DCB	0.2111	60.5892%	968047	72121	13.4	1	43	43	.1636	2.1809E-07

TOTAL AMOUNT = 0.3484

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD23.PTS Printed on 05-27-1993 at 09:29:37
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-27-1993 08:19:20 Version 4.1 **********************
* Sample Name: 93ZE33S38 PEST MS                    Data File: J:1HOD39      *
* Date: 05-26-1993 18:36:23 Method: J:1PESTAI  05-26-1993 11:46:48  #  327*
* Interface: 0   Cycle#:  39   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                  SCRN:          *    *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:   37.00
Area reject:       500                       One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.250000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.27		0.0000	0.0020%	6458	1014	6.4	2		53		4.9914E-09
2	3.42		0.0000	0.0019%	6135	1198	5.1	2		53		4.9914E-09
3	3.65		0.0000	0.0013%	4257	1079	3.9	1		53		4.9914E-09
4	3.89		0.0001	0.0062%	20001	3529	5.7	1		53		4.9914E-09
5	4.39		0.0000	0.0005%	1596	416	3.8	2		53		4.9914E-09
6	4.55		0.0001	0.0045%	14344	2624	5.5	2		53		4.9914E-09
7	4.85		0.0001	0.0065%	20982	2313	9.1	2		53		4.9914E-09
8	5.09		0.0001	0.0042%	13333	1506	8.9	2		53		4.9914E-09
9	5.72		0.0000	0.0026%	8356	1030	8.1	1		53		4.9914E-09
10	6.02		0.0000	0.0004%	1326	268	4.9	2		53		4.9914E-09
11	6.27		0.0000	0.0008%	2643	393	6.7	2		53		4.9914E-09
12	6.39		0.0000	0.0008%	2671	421	6.3	2		53		4.9914E-09
13	6.67		0.0000	0.0030%	9560	2119	4.5	1		53		4.9914E-09
14	7.02		0.0013	0.0795%	255376	67361	3.8	2		53		4.9914E-09
15	7.49		0.0000	0.0016%	5030	393	12.8	2		53		4.9914E-09
16	7.73		0.0000	0.0015%	4875	646	7.5	2		53		4.9914E-09
17	8.01		0.0000	0.0022%	7085	938	7.6	2		53		4.9914E-09
18	8.31		0.0001	0.0057%	18337	2004	9.2	2		53		4.9914E-09
~~19~~	~~8.64~~	~~A-BHC~~	~~0.0027~~	~~0.1670%~~	~~3871~~	~~622~~	~~6.2~~	~~2~~	~~53~~	~~53~~	~~-.9883~~	~~6.9170E-07~~
20	9.00		0.0001	0.0036%	11566	2013	5.7	2		53		4.9914E-09
21	9.20		0.0000	0.0014%	4641	1064	4.4	2		53		4.9914E-09
22	9.38		0.0000	0.0027%	8561	992	8.6	2		53		4.9914E-09
23	9.66	LINDANE	0.1193	7.4420%	147591	42635	3.5	2	53	53	-.0135	8.0853E-07
24	10.03		0.0000	0.0020%	6413	1330	4.8	1		53		4.9914E-09
25	10.43	HEPTACHLOR	0.1039	6.4774%	99849	22301	4.5	1	53	53	0	1.0402E-06
26	10.92		0.0000	0.0009%	2924	777	3.8	2		53		4.9914E-09
27	11.03		0.0000	0.0031%	9960	1682	5.9	2		53		4.9914E-09
28	11.22	ALDRIN	0.1051	6.5541%	116490	26574	4.4	2	53	53	0	9.0218E-07
29	11.60		0.0000	0.0006%	1885	307	6.1	1		53		4.9914E-09
30	11.82		0.0000	0.0017%	5358	1320	4.1	1		53		4.9914E-09
31	12.32		0.0000	0.0015%	4855	800	6.1	2		53		4.9914E-09
~~32~~	~~12.55~~	~~HEPT.EPOXIDE~~	~~0.0010~~	~~0.0601%~~	~~1053~~	~~235~~	~~4.5~~	~~2~~	~~53~~	~~53~~	~~0~~	~~9.1578E-07~~
33	12.75		0.0000	0.0009%	2908	478	6.1	2		53		4.9914E-09
34	12.95		0.0010	0.0619%	198740	43486	4.6	2		53		4.9914E-09

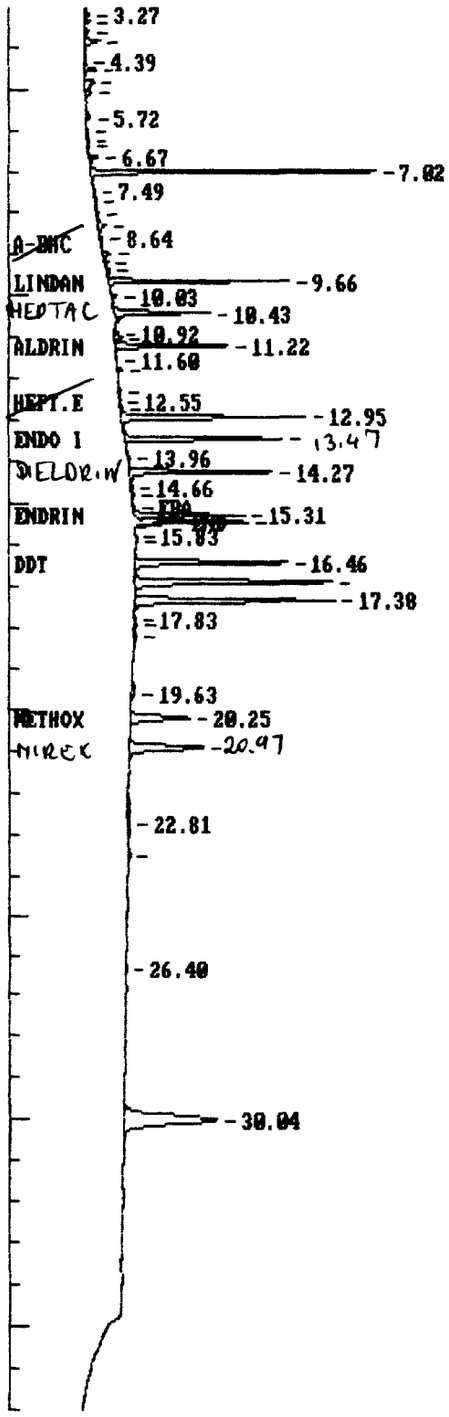
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.4	1	[illegible]	[illegible]	[illegible]	[illegible]
36	13.96		0.0000	0.0010%	3207	537	6.0	1		53		4.9914E-09
37	14.27	DIELDRIN	0.1602	9.9918%	156668	33824	4.6	2	53	53	0	1.0227E-06
38	14.66		0.0000	0.0009%	2899	456	6.4	2		53		4.9914E-09
39	14.82		0.0000	0.0014%	4642	836	5.6	2		53		4.9914E-09
40	15.09		0.0000	0.0009%	2799	460	6.1	1		53		4.9914E-09
41	15.31	ENDRIN	0.1777	11.0789%	115717	25077	4.6	1	53	53	0	1.5352E-06
42	15.47		0.0004	0.0225%	72143	21077	3.4	1		53		4.9914E-09
43	15.83	ENDO II	0.0013	0.0804%	1210	322	3.8	1	53	53	0	1.0649E-06
44	15.96		0.0000	0.0007%	2322	502	4.6	1		53		4.9914E-09
45	16.46	DDT	0.3588	22.3789%	195247	35994	5.4	1	53	53	0	1.8379E-06
46	16.93		0.0014	0.0883%	283730	46473	6.1	1		53		4.9914E-09
47	17.38		0.0014	0.0878%	281931	47228	6.0	1		53		4.9914E-09
48	17.83		0.0000	0.0004%	1420	295	4.8	1		53		4.9914E-09
49	17.96		0.0000	0.0014%	4528	864	5.2	1		53		4.9914E-09
50	18.21		0.0000	0.0014%	4597	397	11.6	1		53		4.9914E-09
51	19.63		0.0001	0.0060%	19371	1000	19.4	1		53		4.9914E-09
52	20.25	METHOXYCHLOR	0.4071	25.3909%	111260	14001	7.9	1	53	53	0	3.6594E-06
53	20.97	MIREX	1.0000	0.0000%	160275	17516	9.2	1	53	53	0	6.2393E-06
54	22.81		0.0001	0.0075%	23936	561	42.7	1		53		4.9914E-09
55	23.54		0.0000	0.0024%	7725	598	12.9	1		53		4.9914E-09
56	26.40		0.0000	0.0005%	1753	144	12.2	1		53		4.9914E-09
57	30.04		0.0016	0.1009%	324059	21935	14.8	1		53		4.9914E-09

TOTAL AMOUNT = 1.6035

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD39.PTS Printed on 05-27-1993 at 08:20:35
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

```
****** EXTERNAL STANDARD TABLE ******
******************** 05-27-1993 08:21:31 Version 4.1 **********************
* Sample Name: 93ZE33S38 PEST MS                    Data File: J:1HOD39      *
* Date: 05-26-1993 18:36:23 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  39   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5            Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~      *
* Misc. Information: H.O.D. LANDFILL                    ~~SCRN:~~        *  *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Sample Weight:          1.250000
```

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	3.27		5.1667	0.5630%	6458	1014	6.4	2			8.0000E-04
2	3.42		4.9078	0.5347%	6135	1198	5.1	2			8.0000E-04
3	3.65		3.4060	0.3711%	4257	1079	3.9	1			8.0000E-04
4	3.89		16.0007	1.7434%	20001	3529	5.7	1			8.0000E-04
5	4.39		1.2768	0.1391%	1596	416	3.8	2			8.0000E-04
6	4.55		11.4752	1.2503%	14344	2624	5.5	2			8.0000E-04
7	4.85		16.7855	1.8289%	20982	2313	9.1	2			8.0000E-04
8	5.09		10.6661	1.1622%	13333	1506	8.9	2			8.0000E-04
9	5.72		6.6845	0.7283%	8356	1030	8.1	1			8.0000E-04
10	6.02		1.0606	0.1156%	1326	268	4.9	2			8.0000E-04
11	6.27		2.1144	0.2304%	2643	393	6.7	2			8.0000E-04
12	6.39		2.1370	0.2328%	2671	421	6.3	2			8.0000E-04
13	6.67		7.6481	0.8333%	9560	2119	4.5	1			8.0000E-04
14	7.02	TCMX	0.1330	0.0145%	255376	67361	3.8	2	14	0	5.2075E-07
15	7.49		4.0241	0.4385%	5030	393	12.8	2			8.0000E-04
16	7.73		3.9002	0.4250%	4875	646	7.5	2			8.0000E-04
17	8.01		5.6684	0.6176%	7085	938	7.6	2			8.0000E-04
18	8.31		14.6697	1.5984%	18337	2004	9.2	2			8.0000E-04
19	8.64		3.0972	0.3375%	3871	622	6.2	2			8.0000E-04
20	9.00		9.2530	1.0082%	11566	2013	5.7	2			8.0000E-04
21	9.20		3.7130	0.4046%	4641	1064	4.4	2			8.0000E-04
22	9.38		6.8491	0.7463%	8561	992	8.6	2			8.0000E-04
~~23~~	~~9.66~~	~~B-BHC~~	~~0.1376~~	~~0.0150%~~	~~147591~~	~~42635~~	~~3.5~~	~~2~~	~~23~~	~~0~~	~~9.3254E-07~~
24	10.03		5.1302	0.5590%	6413	1330	4.8	1			8.0000E-04
~~25~~	~~10.43~~	~~D-BHC~~	~~0.0784~~	~~0.0085%~~	~~99849~~	~~22301~~	~~4.5~~	~~1~~	~~23~~	~~-.4708~~	~~7.8568E-07~~
26	10.92		2.3389	0.2548%	2924	777	3.8	2			8.0000E-04
27	11.03		7.9680	0.8682%	9960	1682	5.9	2			8.0000E-04
28	11.22		93.1923	10.1541%	116490	26574	4.4	2			8.0000E-04
29	11.60		1.5078	0.1643%	1885	307	6.1	1			8.0000E-04
30	11.82		4.2866	0.4671%	5358	1320	4.1	1			8.0000E-04
31	12.32		3.8838	0.4232%	4855	800	6.1	2			8.0000E-04
32	12.55		0.8423	0.0918%	1053	235	4.5	2			8.0000E-04
33	12.75		2.3266	0.2535%	2908	478	6.1	2			8.0000E-04
34	12.95	G-CHLORDANE	0.1320	0.0144%	198740	43486	4.6	2	34	0	6.6417E-07
~~35~~	~~13.47~~	~~A-CHLORDANE~~	~~0.1086~~	~~0.0118%~~	~~163102~~	~~37112~~	~~4.4~~	~~1~~	~~35~~	~~0~~	~~6.6609E-07~~

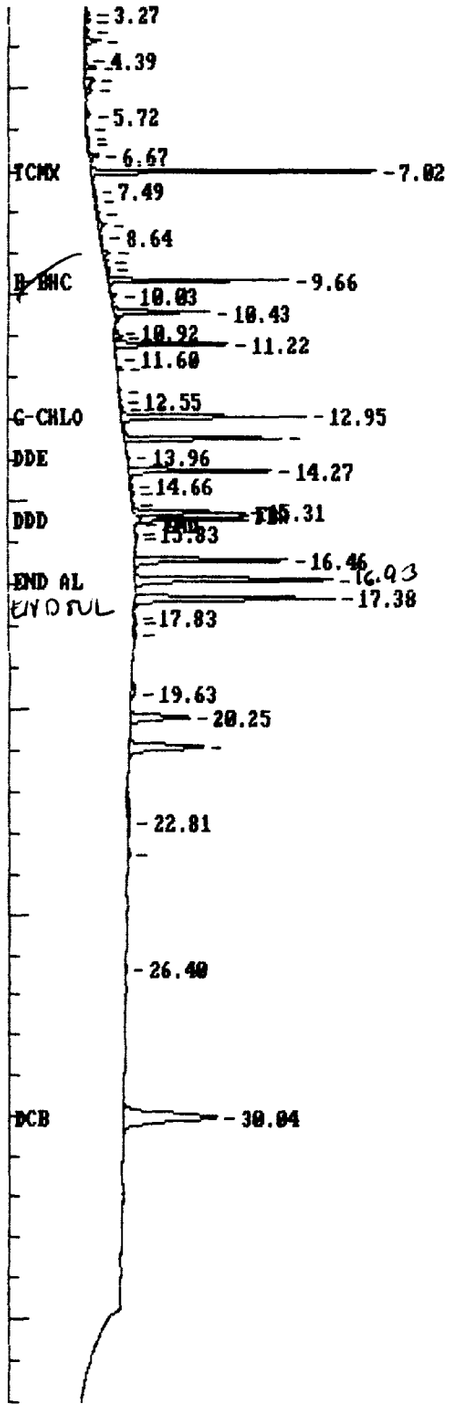
37	14.27	126.9677	13.8341%	158709	13845	4.7	3			8.0000E-04
38	14.66	2.2980	0.2504%	2872	486	5.9	4			8.0000E-04
39	14.82	5.2425	0.5712%	6553	970	6.8	2			8.0000E-04
40	15.09	2.8339	0.3088%	3542	508	7.0	2			8.0000E-04
41	15.31	90.0141	9.8078%	112518	25087	4.5	1			8.0000E-04
42	15.47 DDD	0.1835	0.0200%	121782	25729	4.7	1	42	0	1.5065E-06
43	15.83	0.9683	0.1055%	1210	322	3.8	1			8.0000E-04
44	15.96	1.8573	0.2024%	2322	502	4.6	1			8.0000E-04
45	16.46	156.1974	17.0190%	195247	35994	5.4	1			8.0000E-04
46	16.93 END ALDEHYDE	0.2885	0.0314%	283730	46473	6.1	1	46	0	1.0167E-06
47	17.38 END SULFATE	0.2994	0.0326%	281931	47228	6.0	1	47	0	1.0618E-06
48	17.83	1.1359	0.1238%	1420	295	4.8	1			8.0000E-04
49	17.96	3.6224	0.3947%	4528	864	5.2	1			8.0000E-04
50	18.21	3.6777	0.4007%	4597	397	11.6	1			8.0000E-04
51	19.63	15.4965	1.6885%	19371	1000	19.4	1			8.0000E-04
52	20.25	89.0081	9.6982%	111260	14001	7.9	1			8.0000E-04
53	20.97	128.2199	13.9706%	160275	17516	9.2	1			8.0000E-04
54	22.81	19.1486	2.0864%	23936	561	42.7	1			8.0000E-04
55	23.54	6.1803	0.6734%	7725	598	12.9	1			8.0000E-04
56	26.40	1.4024	0.1528%	1753	144	12.2	1			8.0000E-04
57	30.04 DCB	0.1663	0.0181%	324059	21935	14.8	1	57	0	5.1328E-07

TOTAL AMOUNT = 917.7807

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD39.PTS Printed on 05-27-1993 at 08:22:46
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-28-1993 14:01:12 Version 4.1 **********************
* Sample Name: 93ZE33S38 PEST MS                    Data File: J:2HOD40      *
* Date: 05-26-1993 19:17:25 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  40   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*              Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL     *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.025000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0001	0.0022%	23503	6496	3.6	1		59		2.1403E-09
2	3.63		0.0001	0.0037%	39039	8022	4.9	2		59		2.1403E-09
3	3.82		0.0001	0.0022%	23500	2164	10.9	2		59		2.1403E-09
4	4.05		0.0000	0.0017%	18440	1691	10.9	2		59		2.1403E-09
5	4.20		0.0000	0.0017%	18355	2517	7.3	2		59		2.1403E-09
6	4.45		0.0000	0.0003%	3576	700	5.1	2		59		2.1403E-09
7	4.54		0.0000	0.0006%	6556	1564	4.2	2		59		2.1403E-09
8	4.65		0.0000	0.0003%	2682	839	3.2	2		59		2.1403E-09
9	4.90		0.0000	0.0003%	3488	597	5.8	1		59		2.1403E-09
10	5.17		0.0001	0.0058%	60626	9312	6.5	3		59		2.1403E-09
11	5.50		0.0000	0.0003%	3150	689	4.6	4		59		2.1403E-09
12	5.76		0.0000	0.0005%	5010	1106	4.5	2		59		2.1403E-09
13	5.91		0.0000	0.0020%	21370	1738	12.3	2		59		2.1403E-09
14	6.16		0.0000	0.0010%	10309	1418	7.3	2		59		2.1403E-09
15	6.44		0.0000	0.0007%	7306	1143	6.4	2		59		2.1403E-09
16	6.56		0.0000	0.0010%	10993	2144	5.1	2		59		2.1403E-09
17	6.74		0.0000	0.0005%	5493	1459	3.8	2		59		2.1403E-09
18	6.82		0.0000	0.0016%	16732	2190	7.6	2		59		2.1403E-09
19	7.06		0.0012	0.0533%	561527	138856	4.0	3		59		2.1403E-09
20	7.26		0.0000	0.0010%	10251	2081	4.9	4		59		2.1403E-09
21	7.51		0.0000	0.0021%	21881	2082	10.5	4		59		2.1403E-09
22	7.64		0.0001	0.0031%	33075	6599	5.0	2		59		2.1403E-09
23	7.81		0.0002	0.0087%	92182	8214	11.2	2		59		2.1403E-09
24	8.23		0.0001	0.0047%	49661	3147	15.8	2		59		2.1403E-09
25	8.61	LINDANE	0.1372	6.0795%	355874	102627	3.5	2	59	59	.2672	3.8543E-07
26	8.79		0.0000	0.0005%	5622	1224	4.6	1		59		2.1403E-09
27	9.05		0.0000	0.0010%	10816	1800	6.0	2		59		2.1403E-09
28	9.26		0.0000	0.0014%	14859	2996	5.0	2		59		2.1403E-09
29	9.58		0.0001	0.0035%	36599	4503	8.1	2		59		2.1403E-09
30	9.66		0.0001	0.0056%	59189	5548	10.7	2		59		2.1403E-09
31	10.08		0.0001	0.0027%	28741	3526	8.2	2		59		2.1403E-09
32	10.18	HEPTACHLOR	0.1058	4.6913%	298149	72479	4.1	3	59	59	.1030	3.5500E-07
33	10.46		0.0001	0.0045%	47328	4953	9.6	4		59		2.1403E-09
34	10.60		0.0001	0.0035%	37057	4500	8.2	4		59		2.1403E-09
35	10.77		0.0002	0.0070%	73340	8537	8.6	2		59		2.1403E-09

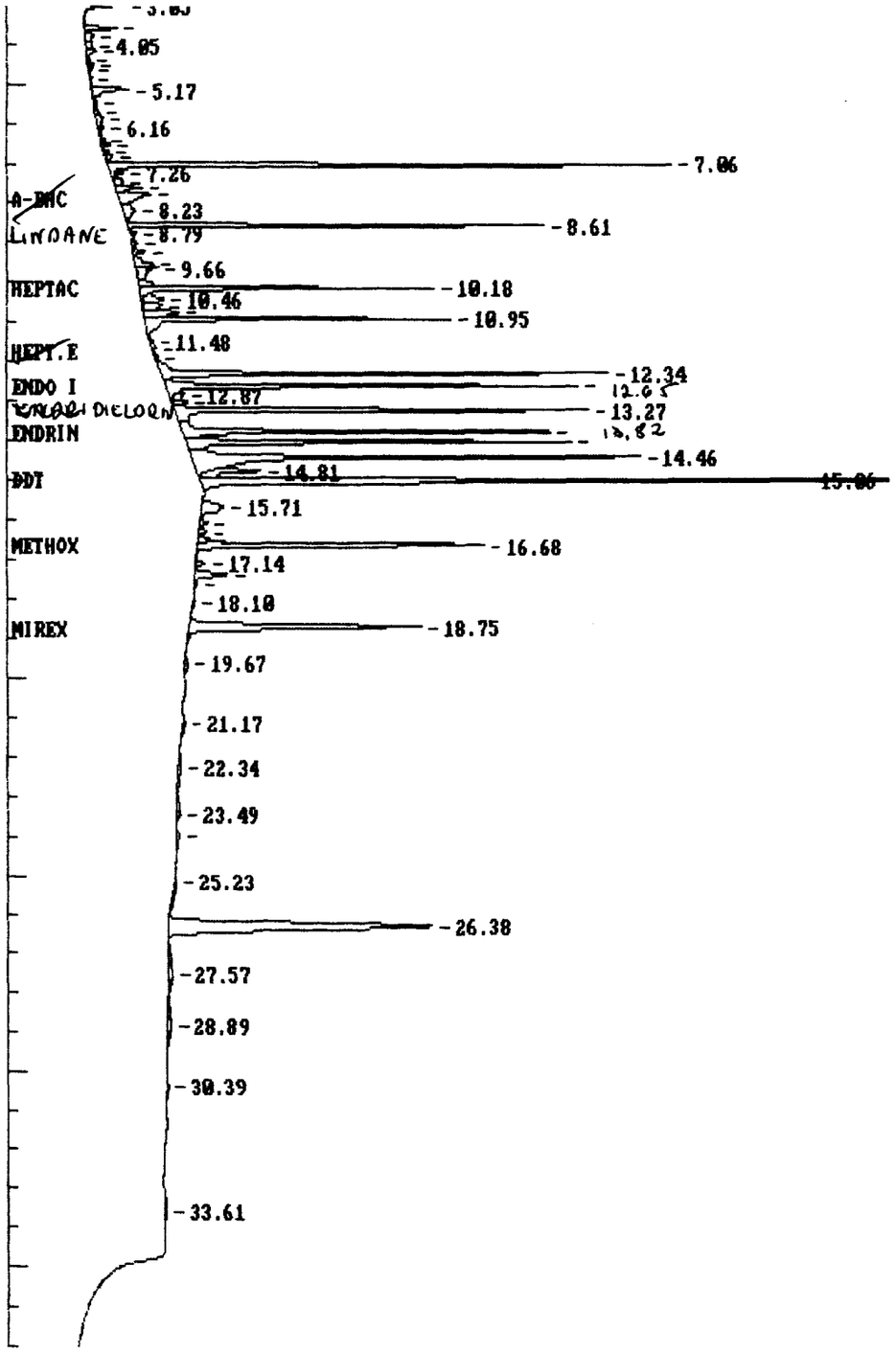
36	10.95	ALDRIN	0.1440	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1145	4.2286E-07
37	11.48		0.0000	0.0003%	2872	805	3.6	2		59		2.1403E-09
38	11.67	HEPT.EPOXIDE	0.0026	0.1150%	6669	930	7.2	2	59	59	-.8679	3.8910E-07
39	11.90		0.0000	0.0004%	4623	602	7.7	2		59		2.1403E-09
40	12.34		0.0011	0.0483%	508853	109955	4.6	2		59		2.1403E-09
41	12.65	ENDO I	0.2103	9.3217%	478511	101381	4.7	3	59	59	.1350	4.3952E-07
42	12.87		0.0000	0.0020%	21394	2624	8.2	4		59		2.1403E-09
43	13.04		0.0001	0.0024%	24858	3599	6.9	4		59		2.1403E-09
44	13.27	DIELDRIN	0.1885	8.3544%	490061	101796	4.8	2	59	59	.1411	3.8463E-07
45	13.82	ENDRIN	0.2255	9.9941%	447920	90501	4.9	2	59	59	.1462	5.0340E-07
46	14.07	ENDO II	0.1959	8.6820%	454096	94762	4.8	2	59	59	.5057	4.3137E-07
47	14.46		0.0016	0.0708%	746558	110325	6.8	3		59		2.1403E-09
48	14.81		0.0002	0.0088%	92755	14004	6.6	4		59		2.1403E-09
49	15.06	DDT	0.6677	29.5945%	1227199	230097	5.3	2	59	59	.2672	5.4409E-07
50	15.71		0.0002	0.0073%	77030	5442	14.2	2		59		2.1403E-09
51	16.11		0.0000	0.0011%	12080	1855	6.5	2		59		2.1403E-09
52	16.33		0.0000	0.0015%	16324	1795	9.1	2		59		2.1403E-09
53	16.51		0.0000	0.0016%	16663	2661	6.3	2		59		2.1403E-09
54	16.68	METHOXYCHLOR	0.3701	16.4022%	409345	70550	5.8	2	59	59	0	9.0404E-07
55	17.14		0.0000	0.0014%	15190	2437	6.2	2		59		2.1403E-09
56	17.41		0.0001	0.0059%	62245	8079	7.7	3		59		2.1403E-09
57	17.66		0.0000	0.0005%	5515	788	7.0	4		59		2.1403E-09
58	18.10		0.0000	0.0007%	7185	524	13.7	1		59		2.1403E-09
59	18.75	MIREX	1.0000	0.0000%	455826	57309	8.0	1	59	59	0	2.1938E-06
60	19.67		0.0000	0.0015%	15578	674	23.1	1		59		2.1403E-09
61	21.17		0.0000	0.0013%	13894	555	25.0	1		59		2.1403E-09
62	22.34		0.0000	0.0018%	19499	536	36.4	1		59		2.1403E-09
63	23.49		0.0000	0.0017%	18255	851	21.5	1		59		2.1403E-09
64	24.03		0.0000	0.0015%	15474	877	17.6	1		59		2.1403E-09
65	25.23		0.0000	0.0022%	23277	404	57.5	1		59		2.1403E-09
66	26.38		0.0018	0.0781%	823289	65071	12.7	1		59		2.1403E-09
67	27.57		0.0001	0.0059%	61980	1180	52.5	2		59		2.1403E-09
68	28.89		0.0001	0.0036%	37737	932	40.5	2		59		2.1403E-09
69	30.39		0.0000	0.0009%	9107	357	25.5	1		59		2.1403E-09
70	33.61		0.0000	0.0017%	18085	597	30.3	1		59		2.1403E-09

TOTAL AMOUNT = 2.2562

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD40.PTS Printed on 05-28-1993 at 14:02:39
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-21-93

SECONDARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-28-1993 13:23:10 Version 4.1 **********************
* Sample Name: 937E33S38 PEST MS                    Data File: J:2HOD40      *
* Date: 05-26-1993 19:17:25 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  40   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF      *
* Misc. Information: H.O.D. LANDFILL                      H.O.D. LANDFILL   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.025000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0001	0.0025%	23503	6496	3.6	1		59		2.1403E-09
2	3.63		0.0001	0.0042%	39039	8022	4.9	2		59		2.1403E-09
3	3.82		0.0001	0.0025%	23500	2164	10.9	2		59		2.1403E-09
4	4.05		0.0000	0.0020%	18440	1691	10.9	2		59		2.1403E-09
5	4.20		0.0000	0.0020%	18355	2517	7.3	2		59		2.1403E-09
6	4.45		0.0000	0.0004%	3576	700	5.1	2		59		2.1403E-09
7	4.54		0.0000	0.0007%	6556	1564	4.2	2		59		2.1403E-09
8	4.65		0.0000	0.0003%	2682	839	3.2	2		59		2.1403E-09
9	4.90		0.0000	0.0004%	3488	597	5.8	1		59		2.1403E-09
10	5.17		0.0001	0.0066%	60626	9312	6.5	3		59		2.1403E-09
11	5.50		0.0000	0.0003%	3150	689	4.6	4		59		2.1403E-09
12	5.76		0.0000	0.0005%	5010	1106	4.5	2		59		2.1403E-09
13	5.91		0.0000	0.0023%	21370	1738	12.3	2		59		2.1403E-09
14	6.16		0.0000	0.0011%	10309	1418	7.3	2		59		2.1403E-09
15	6.44		0.0000	0.0008%	7306	1143	6.4	2		59		2.1403E-09
16	6.56		0.0000	0.0012%	10993	2144	5.1	2		59		2.1403E-09
17	6.74		0.0000	0.0006%	5493	1459	3.8	2		59		2.1403E-09
18	6.82		0.0000	0.0018%	16732	2190	7.6	2		59		2.1403E-09
19	7.06	TCMX	0.1762	8.9023%	561527	138856	4.0	3	59	59	0	3.1375E-07
20	7.26		0.0000	0.0011%	10251	2081	4.9	4		59		2.1403E-09
21	7.51		0.0000	0.0024%	21881	2082	10.5	4		59		2.1403E-09
22	7.64		0.0001	0.0036%	33075	6599	5.0	2		59		2.1403E-09
23	7.81		0.0002	0.0100%	92182	8214	11.2	2		59		2.1403E-09
24	8.23		0.0001	0.0054%	49661	3147	15.8	2		59		2.1403E-09
25	8.61		0.0008	0.0385%	355874	102627	3.5	2		59		2.1403E-09
26	8.79		0.0000	0.0006%	5622	1224	4.6	1		59		2.1403E-09
~~27~~	~~9.05~~	~~D-BHC~~	~~0.0043~~	~~0.2188%~~	~~10816~~	~~1800~~	~~6.0~~	~~2~~	~~59~~	~~59~~	~~0~~	~~4.0040E-07~~
28	9.26		0.0000	0.0016%	14859	2996	5.0	2		59		2.1403E-09
29	9.58		0.0001	0.0040%	36599	4503	8.1	2		59		2.1403E-09
30	9.66		0.0001	0.0064%	59189	5548	10.7	2		59		2.1403E-09
31	10.08		0.0001	0.0031%	28741	3526	8.2	2		59		2.1403E-09
32	10.18		0.0006	0.0322%	298149	72479	4.1	3		59		2.1403E-09
33	10.46		0.0001	0.0051%	47328	4953	9.6	4		59		2.1403E-09
34	10.60		0.0001	0.0040%	37057	4500	8.2	4		59		2.1403E-09
35	10.77		0.0002	0.0079%	73340	8532	8.6	2		59		2.1403E-09

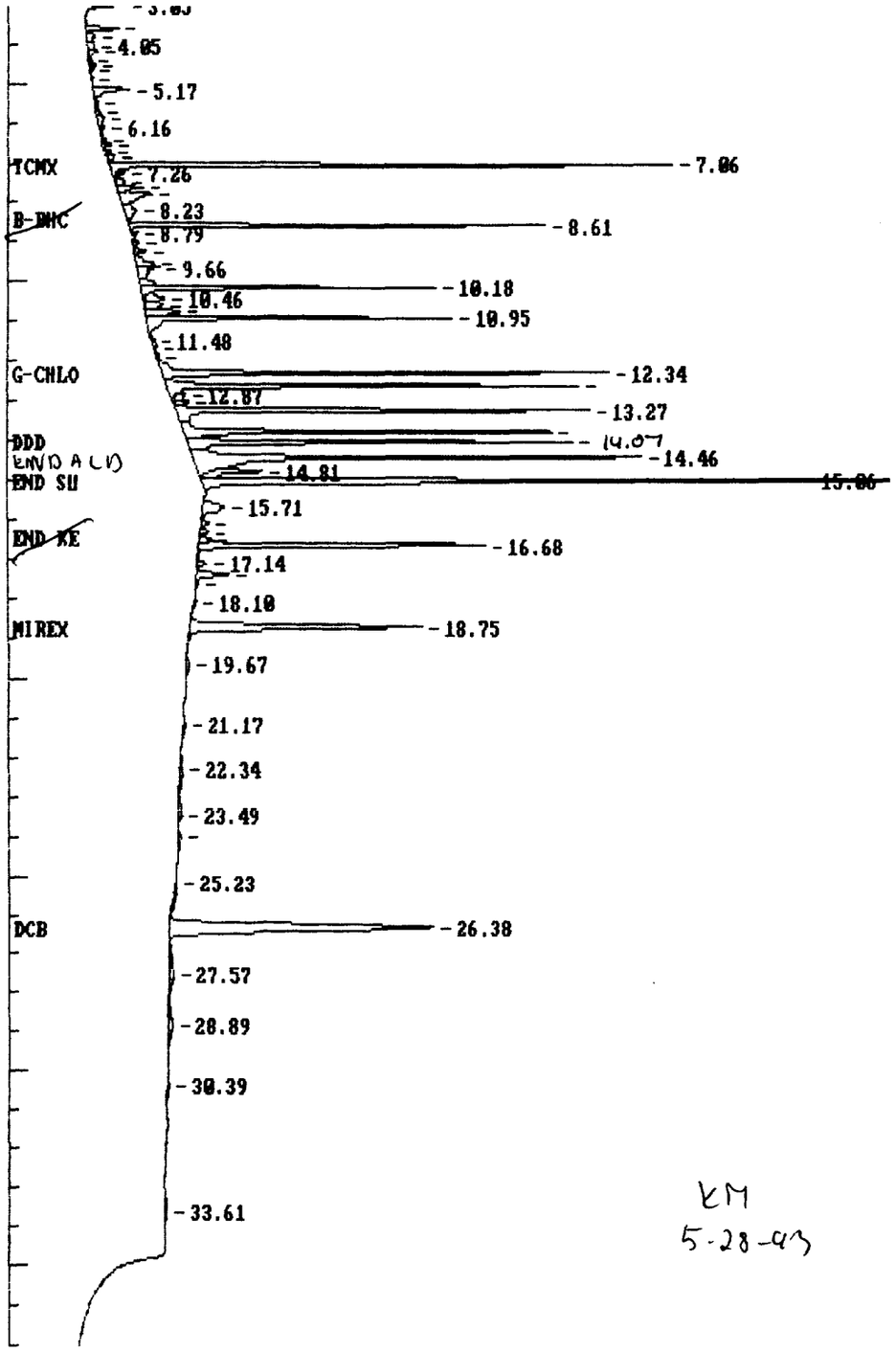
36	10.95	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
37	11.48	0.0000	0.0003%	2872	805	3.6	2		59		2.1403E-09
38	11.67	0.0000	0.0007%	6669	930	7.2	2		59		2.1403E-09
39	11.90	0.0000	0.0005%	4623	602	7.7	2		59		2.1403E-09
40	12.34 G-CHLOR	0.1683	8.5061%	508853	109955	4.6	2	59	59	.1781	3.3082E-07
~~41~~	~~12.65 A-CHLOR~~	~~0.1589~~	~~8.0281%~~	~~478511~~	~~101381~~	~~4.7~~	~~3~~	~~59~~	~~59~~	~~-.2169~~	~~3.3203E-07~~
42	12.87	0.0000	0.0023%	21394	2624	8.2	4		59		2.1403E-09
~~43~~	~~13.04 DDE~~	~~0.0099~~	~~0.4993%~~	~~24858~~	~~3599~~	~~6.9~~	~~4~~	~~59~~	~~59~~	~~0~~	~~3.9753E-07~~
44	13.27	0.0010	0.0530%	490061	101796	4.8	2		59		2.1403E-09
45	13.82	0.0010	0.0484%	447920	90501	4.9	2		59		2.1403E-09
46	14.07 DDD	0.2189	11.0595%	454096	94762	4.8	2	59	59	0	4.8200E-07
47	14.46 END ALD	0.3559	17.9851%	746558	110325	6.8	3	59	59	.0625	4.7677E-07
48	14.81	0.0002	0.0100%	92755	14004	6.6	4		59		2.1403E-09
49	15.06 END SULFATE	0.6894	34.8333%	1227199	230097	5.3	2	59	59	0	5.6174E-07
50	15.71	0.0002	0.0083%	77030	5442	14.2	2		59		2.1403E-09
51	16.11	0.0000	0.0013%	12080	1855	6.5	2		59		2.1403E-09
52	16.33	0.0000	0.0018%	16324	1795	9.1	2		59		2.1403E-09
~~53~~	~~16.51 END KETONE~~	~~0.0064~~	~~0.3241%~~	~~16663~~	~~2661~~	~~6.3~~	~~2~~	~~59~~	~~59~~	~~0~~	~~3.8488E-07~~
54	16.68	0.0009	0.0443%	409345	70550	5.8	2		59		2.1403E-09
55	17.14	0.0000	0.0016%	15190	2437	6.2	2		59		2.1403E-09
56	17.41	0.0001	0.0067%	62245	8079	7.7	3		59		2.1403E-09
57	17.66	0.0000	0.0006%	5515	788	7.0	4		59		2.1403E-09
58	18.10	0.0000	0.0008%	7185	524	13.7	1		59		2.1403E-09
59	18.75 MIREX	1.0000	0.0000%	455826	57309	8.0	1	59	59	0	2.1938E-06
60	19.67	0.0000	0.0017%	15578	674	23.1	1		59		2.1403E-09
61	21.17	0.0000	0.0015%	13894	555	25.0	1		59		2.1403E-09
62	22.34	0.0000	0.0021%	19499	536	36.4	1		59		2.1403E-09
63	23.49	0.0000	0.0020%	18255	851	21.5	1		59		2.1403E-09
64	24.03	0.0000	0.0017%	15474	877	17.6	1		59		2.1403E-09
65	25.23	0.0000	0.0025%	23277	404	57.5	1		59		2.1403E-09
66	26.38 DCB	0.1830	9.2445%	823289	65071	12.7	1	59	59	0	2.2222E-07
67	27.57	0.0001	0.0067%	61980	1180	52.5	2		59		2.1403E-09
68	28.89	0.0001	0.0041%	37737	932	40.5	2		59		2.1403E-09
69	30.39	0.0000	0.0010%	9107	357	25.5	1		59		2.1403E-09
70	33.61	0.0000	0.0020%	18085	597	30.3	1		59		2.1403E-09

TOTAL AMOUNT = 1.9790

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD40.PTS Printed on 05-28-1993 at 13:24:38
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-27-1993 08:25:55 Version 4.1 **********************
* Sample Name: 93ZE33S38 PEST MSD                    Data File: J:1HOD40      *
* Date: 05-26-1993 19:17:25 Method: J:1PESTAI  05-26-1993 11:46:48  #  327*
* Interface: 0   Cycle#:  40   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE      *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN               *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM               *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~        *
* Misc. Information: H.O.D. LANDFILL                    ~~SCRN:~~        *   *
*****************************************************************************
Starting Delay:    3.00                        Ending retention time:    37.00
Area reject:       500                         One sample per    1.002 sec.
Amount injected:        1.00                   Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          0.950000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.27		0.0000	0.0018%	6025	977	6.2	2		51		5.9922E-09
2	3.42		0.0000	0.0018%	5738	1137	5.0	2		51		5.9922E-09
3	3.63		0.0000	0.0016%	5340	1219	4.4	1		51		5.9922E-09
4	3.89		0.0001	0.0063%	20400	3180	6.4	1		51		5.9922E-09
5	4.27		0.0000	0.0003%	988	230	4.3	1		51		5.9922E-09
6	4.55		0.0001	0.0036%	11759	2398	4.9	1		51		5.9922E-09
7	4.85		0.0001	0.0062%	20276	2217	9.1	2		51		5.9922E-09
8	5.09		0.0001	0.0032%	10473	1141	9.2	2		51		5.9922E-09
9	5.72		0.0001	0.0029%	9291	1095	8.5	1		51		5.9922E-09
10	6.26		0.0000	0.0008%	2734	427	6.4	2		51		5.9922E-09
11	6.39		0.0000	0.0008%	2612	427	6.1	2		51		5.9922E-09
12	6.67		0.0001	0.0049%	15925	2482	6.4	2		51		5.9922E-09
13	7.02		0.0016	0.0800%	260626	69877	3.7	2		51		5.9922E-09
14	7.73		0.0001	0.0033%	10771	812	13.3	2		51		5.9922E-09
15	7.84		0.0000	0.0009%	2789	495	5.6	2		51		5.9922E-09
16	8.01		0.0000	0.0023%	7438	1078	6.9	2		51		5.9922E-09
17	8.31		0.0001	0.0066%	21622	2055	10.5	2		51		5.9922E-09
18	8.63		0.0000	0.0022%	7183	1078	6.7	1		51		5.9922E-09
19	9.00		0.0001	0.0031%	10265	1977	5.2	2		51		5.9922E-09
20	9.20		0.0000	0.0014%	4724	1075	4.4	2		51		5.9922E-09
21	9.38		0.0000	0.0023%	7594	897	8.5	2		51		5.9922E-09
~~22~~	~~9.66~~	~~LINDANE~~	~~0.1473~~	~~7.5410%~~	~~151728~~	~~44634~~	~~3.4~~	~~2~~	~~51~~	~~51~~	~~0~~	~~9.7064E-07~~
23	10.03		0.0000	0.0018%	5879	1216	4.8	1		51		5.9922E-09
24	10.43	HEPTACHLOR	0.1325	6.7820%	106064	23557	4.5	1	51	51	0	1.2488E-06
25	11.02		0.0001	0.0051%	16751	2272	7.4	2		51		5.9922E-09
26	11.22	ALDRIN	0.1289	6.6000%	119010	27850	4.3	2	51	51	0	1.0831E-06
27	11.60		0.0000	0.0008%	2508	374	6.7	1		51		5.9922E-09
28	11.82		0.0000	0.0019%	6186	1573	3.9	1		51		5.9922E-09
29	12.32		0.0000	0.0021%	6824	1200	5.7	2		51		5.9922E-09
~~30~~	~~12.54~~	~~HEPT.EPOXIDE~~	~~0.0016~~	~~0.0819%~~	~~1455~~	~~297~~	~~4.9~~	~~2~~	~~51~~	~~51~~	~~0~~	~~1.0994E-06~~
31	12.75		0.0000	0.0012%	4045	480	8.4	2		51		5.9922E-09
32	12.95		0.0012	0.0631%	205494	46160	4.5	2		51		5.9922E-09
33	13.47	ENDO I	0.1938	9.9257%	166760	38205	4.4	1	51	51	.1149	1.1624E-06
34	13.82		0.0000	0.0005%	1637	433	3.8	2		51		5.9922E-09

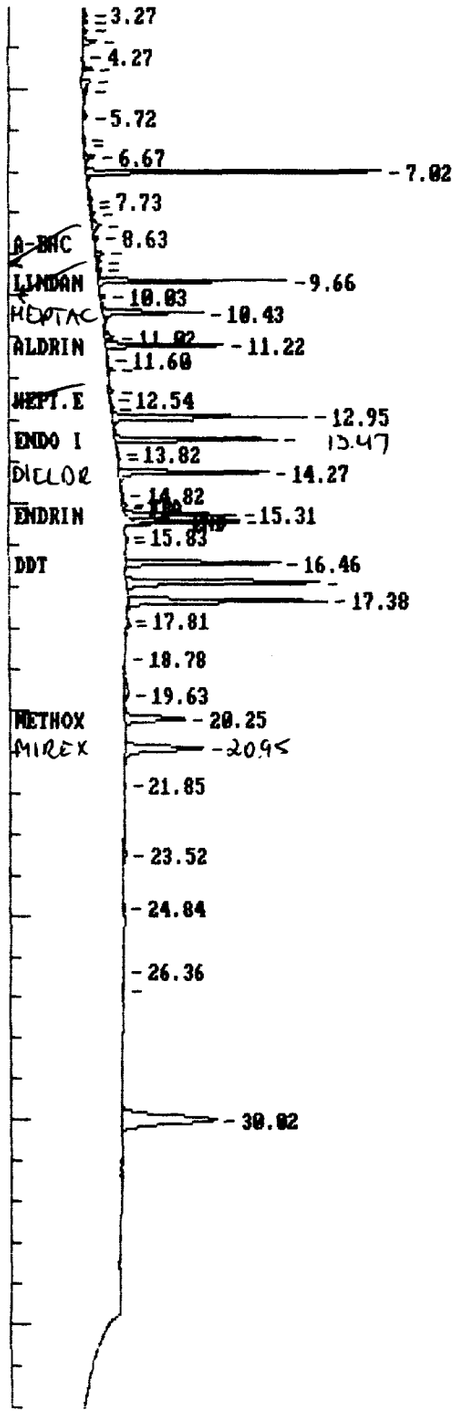
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
36	14.27 DIELDRIN	0.1987	10.1750%	161857	35283	4.6	2	51	51	.1219	1.2277E-06
37	14.82	0.0000	0.0014%	4484	366	12.2	2		51		5.9922E-09
38	15.06	0.0000	0.0018%	6027	1049	5.7	1		51		5.9922E-09
39	15.31 ENDRIN	0.2174	11.1326%	117968	25361	4.7	1	51	51	.1298	1.8430E-06
40	15.46	0.0004	0.0200%	65206	18303	3.6	1		51		5.9922E-09
41	15.83 ENDO II	0.0017	0.0853%	1303	350	3.7	1	51	51	0	1.2784E-06
42	15.96	0.0000	0.0006%	2000	444	4.5	1		51		5.9922E-09
43	16.46 DDT	0.4171	21.3557%	189027	36471	5.2	1	51	51	0	2.2064E-06
44	16.93	0.0017	0.0869%	283317	45778	6.2	1		51		5.9922E-09
45	17.38	0.0017	0.0867%	282483	47372	6.0	1		51		5.9922E-09
46	17.81	0.0000	0.0005%	1747	384	4.6	1		51		5.9922E-09
47	17.96	0.0000	0.0015%	4854	931	5.2	1		51		5.9922E-09
48	18.78	0.0000	0.0006%	2025	224	9.0	1		51		5.9922E-09
49	19.63	0.0001	0.0049%	16044	892	18.0	1		51		5.9922E-09
50	20.25 METHOXYCHLOR	0.5038	25.7944%	114670	14319	8.0	1	51	51	0	4.3931E-06
51	20.95 MIREX	1.0000	0.0000%	175668	18695	9.4	1	51	51	0	5.6926E-06
52	21.85	0.0000	0.0010%	3262	352	9.3	1		51		5.9922E-09
53	23.52	0.0001	0.0026%	8433	625	13.5	1		51		5.9922E-09
54	24.84	0.0000	0.0004%	1231	114	10.8	1		51		5.9922E-09
55	26.36	0.0000	0.0010%	3149	226	13.9	1		51		5.9922E-09
56	26.88	0.0000	0.0005%	1559	156	10.0	1		51		5.9922E-09
57	30.02	0.0020	0.1026%	334530	22503	14.9	1		51		5.9922E-09

TOTAL AMOUNT = 1.9530

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD40.PTS Printed on 05-27-1993 at 08:27:10
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

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

********** 05-27-1993 08:23:43 Version 4.1 **********

* Sample Name: 93ZE33838 PEST MSD Data File: J:1HOD40 *
* Date: 05-26-1993 19:17:25 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 40 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Sample Weight: 0.950000

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	3.27		6.3416	0.5172%	6025	977	6.2	2			1.0526E-03
2	3.42		6.0400	0.4926%	5738	1137	5.0	2			1.0526E-03
3	3.63		5.6207	0.4584%	5340	1219	4.4	1			1.0526E-03
4	3.89		21.4739	1.7514%	20400	3180	6.4	1			1.0526E-03
5	4.27		1.0405	0.0849%	988	230	4.3	1			1.0526E-03
6	4.55		12.3784	1.0096%	11759	2398	4.9	1			1.0526E-03
7	4.85		21.3437	1.7408%	20276	2217	9.1	2			1.0526E-03
8	5.09		11.0241	0.8991%	10473	1141	9.2	2			1.0526E-03
9	5.72		9.7795	0.7976%	9291	1095	8.5	1			1.0526E-03
10	6.26		2.8784	0.2348%	2734	427	6.4	2			1.0526E-03
11	6.39		2.7497	0.2243%	2612	427	6.1	2			1.0526E-03
12	6.67		16.7627	1.3672%	15925	2482	6.4	2			1.0526E-03
13	7.02	TCMX	0.1786	0.0146%	260626	69877	3.7	2	13	0	6.8520E-07
14	7.73		11.3381	0.9247%	10771	812	13.3	2			1.0526E-03
15	7.84		2.9354	0.2394%	2789	495	5.6	2			1.0526E-03
16	8.01		7.8293	0.6386%	7438	1078	6.9	2			1.0526E-03
17	8.31		22.7599	1.8563%	21622	2055	10.5	2			1.0526E-03
18	8.63		7.5614	0.6167%	7183	1078	6.7	1			1.0526E-03
19	9.00		10.8050	0.8812%	10265	1977	5.2	2			1.0526E-03
20	9.20		4.9724	0.4055%	4724	1075	4.4	2			1.0526E-03
21	9.38		7.9932	0.6519%	7594	897	8.5	2			1.0526E-03
~~22~~	~~9.66~~	~~D-BHC~~	~~0.1862~~	~~0.0152%~~	~~151728~~	~~44634~~	~~3.4~~	~~2~~	~~22~~	~~0~~	~~1.2270E-06~~
23	10.03		6.1887	0.5047%	5879	1216	4.8	1			1.0526E-03
~~24~~	~~10.43~~	~~D-BHC~~	~~0.1096~~	~~0.0089%~~	~~106064~~	~~23557~~	~~4.5~~	~~1~~	~~22~~	~~-.6708~~	~~1.0338E-06~~
25	11.02		17.6327	1.4381%	16751	2272	7.4	2			1.0526E-03
26	11.22		125.2741	10.2173%	119010	27850	4.3	2			1.0526E-03
27	11.60		2.6400	0.2153%	2508	374	6.7	1			1.0526E-03
28	11.82		6.5114	0.5311%	6186	1573	3.9	1			1.0526E-03
29	12.32		7.1827	0.5858%	6824	1200	5.7	2			1.0526E-03
30	12.54		1.5315	0.1249%	1455	297	4.9	2			1.0526E-03
31	12.75		4.2584	0.3473%	4045	480	8.4	2			1.0526E-03
32	12.95	G-CHLORDANE	0.1796	0.0146%	205494	46160	4.5	2	32	0	8.7390E-07
~~33~~	~~13.47~~	~~A-CHLORDANE~~	~~0.1462~~	~~0.0119%~~	~~166760~~	~~38205~~	~~4.4~~	~~1~~	~~33~~	~~0~~	~~8.7643E-07~~
34	13.82		1.7237	0.1406%	1637	433	3.8	2			1.0526E-03
~~35~~	~~13.94~~	~~DDE~~	~~0.0020~~	~~0.0002%~~	~~1871~~	~~527~~	~~3.5~~	~~2~~	~~35~~	~~0~~	~~1.0484E-06~~

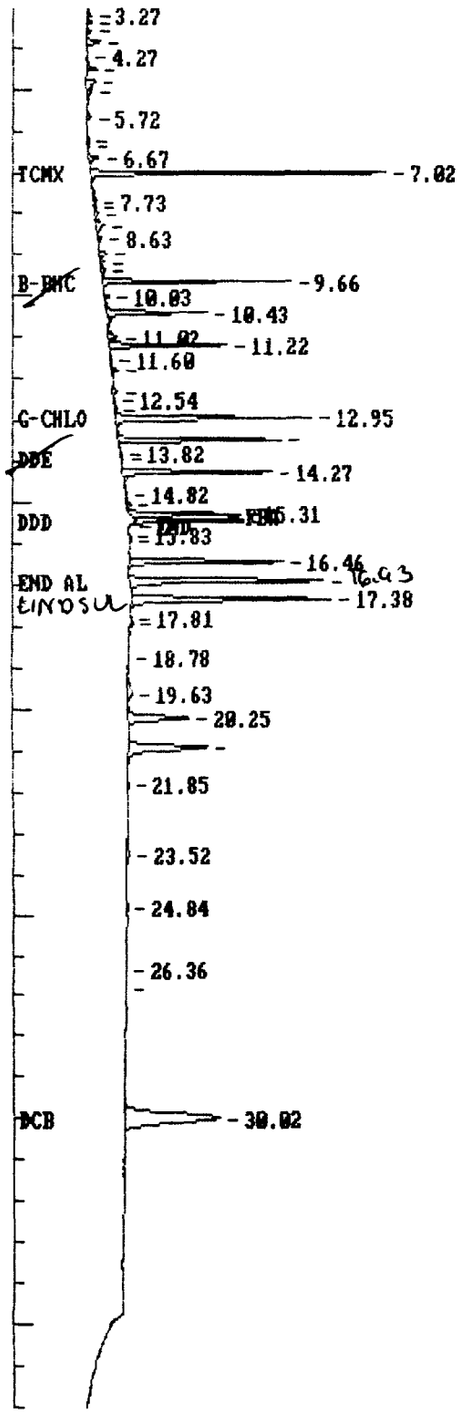
36	14.72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
37	14.82	6.2428	0.5092%	5431	434	13.7	1				[illegible]
38	15.06	6.6671	0.5438%	6334	1072	5.9	2				1.0526E-03
39	15.31	121.0564	9.8733%	115004	25371	4.5	1				1.0526E-03
40	15.46	DDD	0.2473	0.0202%	124747	25577	4.9	1	40	0	1.9823E-06
41	15.83		1.3712	0.1118%	1303	350	3.7	1			1.0526E-03
42	15.96		2.1058	0.1717%	2000	444	4.5	1			1.0526E-03
43	16.46		198.9762	16.2284%	189027	36471	5.2	1			1.0526E-03
44	16.93	END ALDEHYDE	0.3790	0.0309%	283317	45778	6.2	1	44	0	1.3378E-06
45	17.38	END SULFATE	0.3947	0.0322%	282483	47372	6.0	1	45	0	1.3971E-06
46	17.81		1.8395	0.1500%	1747	384	4.6	1			1.0526E-03
47	17.96		5.1091	0.4167%	4854	931	5.2	1			1.0526E-03
48	18.78		2.1316	0.1738%	2025	224	9.0	1			1.0526E-03
49	19.63		16.8879	1.3774%	16044	892	18.0	1			1.0526E-03
50	20.25		120.7057	9.8447%	114670	14319	8.0	1			1.0526E-03
51	20.95		184.9133	15.0814%	175668	18695	9.4	1			1.0526E-03
52	21.85		3.4342	0.2801%	3262	352	9.3	1			1.0526E-03
53	23.52		8.8765	0.7240%	8433	625	13.5	1			1.0526E-03
54	24.84		1.2963	0.1057%	1231	114	10.8	1			1.0526E-03
55	26.36		3.3150	0.2704%	3149	226	13.9	1			1.0526E-03
56	26.88		1.6406	0.1338%	1559	156	10.0	1			1.0526E-03
57	30.02	DCB	0.2259	0.0184%	334530	22503	14.9	1	57	0	6.7536E-07

TOTAL AMOUNT = 1226.1012

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD40.PTS Printed on 05-27-1993 at 08:24:58
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-28-1993 14:03:46 Version 4.1 **********************
* Sample Name: 93ZE33S38 PEST MSD                Data File: J:2HOD41      *
* Date: 05-26-1993 19:58:32 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  41   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            ~~Detector 0: DB608 QUAN~~        Detector 1: DB-5 CONF      *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          0.950000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0000	0.0019%	20003	5650	3.5	1		57		2.3046E-09
2	3.63		0.0001	0.0036%	37341	7707	4.8	2		57		2.3046E-09
3	3.82		0.0000	0.0021%	21231	1994	10.6	2		57		2.3046E-09
4	4.20		0.0001	0.0030%	30872	1885	16.4	2		57		2.3046E-09
5	4.45		0.0000	0.0004%	3810	720	5.3	2		57		2.3046E-09
6	4.54		0.0000	0.0006%	6498	1551	4.2	2		57		2.3046E-09
7	4.65		0.0000	0.0003%	2698	836	3.2	2		57		2.3046E-09
8	4.90		0.0000	0.0003%	3343	590	5.7	2		57		2.3046E-09
9	5.15		0.0001	0.0058%	60463	8763	6.9	3		57		2.3046E-09
10	5.50		0.0000	0.0005%	5201	700	7.4	4		57		2.3046E-09
11	5.91		0.0001	0.0025%	26252	1801	14.6	2		57		2.3046E-09
12	6.16		0.0000	0.0010%	10580	1414	7.5	2		57		2.3046E-09
13	6.44		0.0000	0.0007%	7090	1101	6.4	2		57		2.3046E-09
14	6.56		0.0000	0.0010%	10603	2155	4.9	2		57		2.3046E-09
15	6.74		0.0000	0.0005%	5229	1375	3.8	2		57		2.3046E-09
16	6.82		0.0000	0.0013%	13387	2010	6.7	2		57		2.3046E-09
17	7.06		0.0012	0.0520%	538087	139422	3.9	3		57		2.3046E-09
18	7.26		0.0000	0.0011%	11715	2304	5.1	4		57		2.3046E-09
19	7.51		0.0000	0.0013%	13576	1218	11.1	2		57		2.3046E-09
20	7.64		0.0001	0.0023%	23791	5648	4.2	2		57		2.3046E-09
21	7.81		0.0002	0.0063%	65408	6944	9.4	2		57		2.3046E-09
22	8.23		0.0000	0.0014%	14081	1553	9.1	2		57		2.3046E-09
23	8.61	LINDANE	0.1484	6.2243%	357680	99351	3.6	2	57	57	.2672	4.1501E-07
24	8.79		0.0000	0.0014%	14806	1788	8.3	2		57		2.3046E-09
25	9.05		0.0000	0.0009%	9259	1772	5.2	2		57		2.3046E-09
26	9.26		0.0000	0.0010%	10245	2587	4.0	2		57		2.3046E-09
27	9.58		0.0001	0.0021%	21944	3485	6.3	2		57		2.3046E-09
28	9.66		0.0001	0.0036%	36963	4731	7.8	2		57		2.3046E-09
29	10.08		0.0000	0.0020%	21117	3029	7.0	2		57		2.3046E-09
30	10.18	HEPTACHLOR	0.1138	4.7730%	297789	77086	3.9	2	57	57	.1030	3.8225E-07
31	10.45		0.0001	0.0036%	36820	4595	8.0	2		57		2.3046E-09
32	10.60		0.0000	0.0020%	20374	2838	7.2	2		57		2.3046E-09
33	10.82		0.0001	0.0053%	54964	6924	7.9	2		57		2.3046E-09
34	10.95	ALDRIN	0.1404	5.8888%	308445	73158	4.2	2	57	57	.1145	4.5532E-07
35	11.48		0.0000	0.0009%	8896	1402	6.4	2		57		2.3046E-09

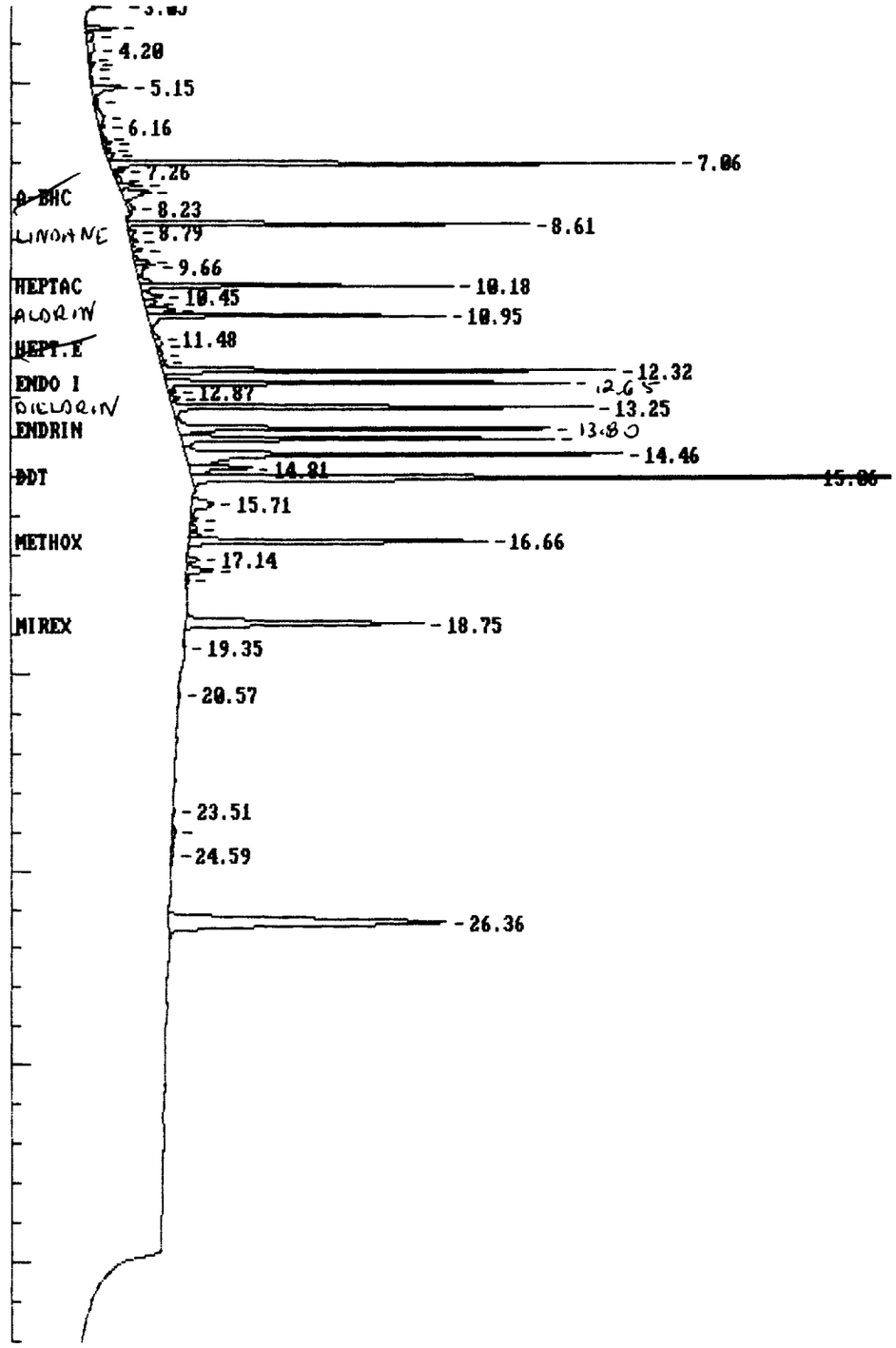
[illegible]	[illegible]	[illegible]	0.0058	[illegible]	[illegible]	[illegible]	6.7	2	[illegible]	[illegible]	[illegible]	[illegible]
37	11.9[illegible]		0.0000	0.0009%	9741	948	10.3	2		57		2.3046E-09
38	12.10		0.0000	0.0008%	7816	1103	7.1	2		57		2.3046E-09
39	12.32		0.0011	0.0464%	480202	111609	4.3	2		57		2.3046E-09
40	12.65	ENDO I	0.2078	8.7133%	439092	99331	4.4	3	57	57	.1350	4.7326E-07
41	12.87		0.0000	0.0009%	9039	1463	6.2	4		57		2.3046E-09
42	13.04		0.0000	0.0011%	11212	2053	5.5	2		57		2.3046E-09
43	13.25	DIELDRIN	0.1869	7.8352%	451191	103543	4.4	2	57	57	0	4.1415E-07
44	13.80	ENDRIN	0.2307	9.6750%	425683	91663	4.6	2	57	57	0	5.4204E-07
45	14.07	ENDO II	0.1960	8.2181%	421959	91948	4.6	2	57	57	.5057	4.6448E-07
46	14.46		0.0015	0.0626%	647708	107659	6.0	2		57		2.3046E-09
47	14.81		0.0002	0.0099%	102458	15327	6.7	2		57		2.3046E-09
48	15.06	DDT	0.7298	30.5990%	1245624	232642	5.4	2	57	57	.2672	5.8585E-07
49	15.71		0.0002	0.0073%	75224	5444	13.8	2		57		2.3046E-09
50	16.11		0.0000	0.0011%	11899	1853	6.4	2		57		2.3046E-09
51	16.34		0.0000	0.0015%	15544	1853	8.4	2		57		2.3046E-09
52	16.51		0.0000	0.0018%	18117	3045	6.0	2		57		2.3046E-09
53	16.66	METHOXYCHLOR	0.4170	17.4851%	428382	73772	5.8	2	57	57	0	9.7343E-07
54	17.14		0.0000	0.0020%	20346	2946	6.9	2		57		2.3046E-09
55	17.41		0.0001	0.0052%	54143	6686	8.1	2		57		2.3046E-09
56	17.66		0.0000	0.0005%	5059	759	6.7	2		57		2.3046E-09
57	18.75	MIREX	1.0000	0.0000%	456754	58918	7.8	1	57	57	0	2.1894E-06
58	19.35		0.0000	0.0002%	1694	213	8.0	1		57		2.3046E-09
59	20.57		0.0000	0.0002%	2095	226	9.3	1		57		2.3046E-09
60	23.51		0.0000	0.0005%	5562	528	10.5	1		57		2.3046E-09
61	24.03		0.0000	0.0019%	20109	966	20.8	2		57		2.3046E-09
62	24.59		0.0000	0.0007%	6980	500	14.0	2		57		2.3046E-09
63	26.36		0.0021	0.0869%	899471	68569	13.1	1		57		2.3046E-09

TOTAL AMOUNT = 2.3849

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD41.PTS Printed on 05-28-1993 at 14:05:07
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
*****   INTERNAL STANDARD TABLE   *****
******************** 05-28-1993 13:25:45 Version 4.1 **********************
* Sample Name: 93ZE33S38 PEST MSD                    Data File: J:2HOD41      *
* Date: 05-26-1993 19:58:32 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  41   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*          ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL     *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          0.950000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0000	0.0022%	20003	5650	3.5	1		57		2.3046E-09
2	3.63		0.0001	0.0042%	37341	7707	4.8	2		57		2.3046E-09
3	3.82		0.0000	0.0024%	21231	1994	10.6	2		57		2.3046E-09
4	4.20		0.0001	0.0035%	30872	1885	16.4	2		57		2.3046E-09
5	4.45		0.0000	0.0004%	3810	720	5.3	2		57		2.3046E-09
6	4.54		0.0000	0.0007%	6498	1551	4.2	2		57		2.3046E-09
7	4.65		0.0000	0.0003%	2698	836	3.2	2		57		2.3046E-09
8	4.90		0.0000	0.0004%	3343	590	5.7	2		57		2.3046E-09
9	5.15		0.0001	0.0068%	60463	8763	6.9	3		57		2.3046E-09
10	5.50		0.0000	0.0006%	5201	700	7.4	4		57		2.3046E-09
11	5.91		0.0001	0.0029%	26252	1801	14.6	2		57		2.3046E-09
12	6.16		0.0000	0.0012%	10580	1414	7.5	2		57		2.3046E-09
13	6.44		0.0000	0.0008%	7090	1101	6.4	2		57		2.3046E-09
14	6.56		0.0000	0.0012%	10603	2155	4.9	2		57		2.3046E-09
15	6.74		0.0000	0.0006%	5229	1375	3.8	2		57		2.3046E-09
16	6.82		0.0000	0.0015%	13387	2010	6.7	2		57		2.3046E-09
17	7.06	TCMX	0.1818	8.8513%	538067	139422	3.9	3	57	57	0	3.3784E-07
18	7.26		0.0000	0.0013%	11715	2304	5.1	4		57		2.3046E-09
19	7.51		0.0000	0.0015%	13576	1218	11.1	2		57		2.3046E-09
20	7.64		0.0001	0.0027%	23791	5648	4.2	2		57		2.3046E-09
21	7.81		0.0002	0.0073%	65408	6944	9.4	2		57		2.3046E-09
22	8.23		0.0000	0.0016%	14081	1553	9.1	2		57		2.3046E-09
23	8.61		0.0008	0.0401%	357680	99351	3.6	2		57		2.3046E-09
24	8.79		0.0000	0.0017%	14806	1788	8.3	2		57		2.3046E-09
~~25~~	~~9.05~~	~~D-BHC~~	~~0.0040~~	~~0.1944%~~	~~9259~~	~~1772~~	~~5.2~~	~~2~~	~~57~~	~~57~~	~~0~~	~~4.3114E-07~~
26	9.26		0.0000	0.0011%	10245	2587	4.0	2		57		2.3046E-09
27	9.58		0.0001	0.0025%	21944	3485	6.3	2		57		2.3046E-09
28	9.66		0.0001	0.0041%	36963	4731	7.8	2		57		2.3046E-09
29	10.08		0.0000	0.0024%	21117	3029	7.0	2		57		2.3046E-09
30	10.18		0.0007	0.0334%	297789	77086	3.9	2		57		2.3046E-09
31	10.45		0.0001	0.0041%	36820	4595	8.0	2		57		2.3046E-09
32	10.60		0.0000	0.0023%	20374	2838	7.2	2		57		2.3046E-09
33	10.82		0.0001	0.0062%	54964	6924	7.9	2		57		2.3046E-09
34	10.95		0.0007	0.0346%	308445	73158	4.2	2		57		2.3046E-09
35	11.48		0.0000	0.0010%	8996	1402	6.4	2		57		2.3046E-09

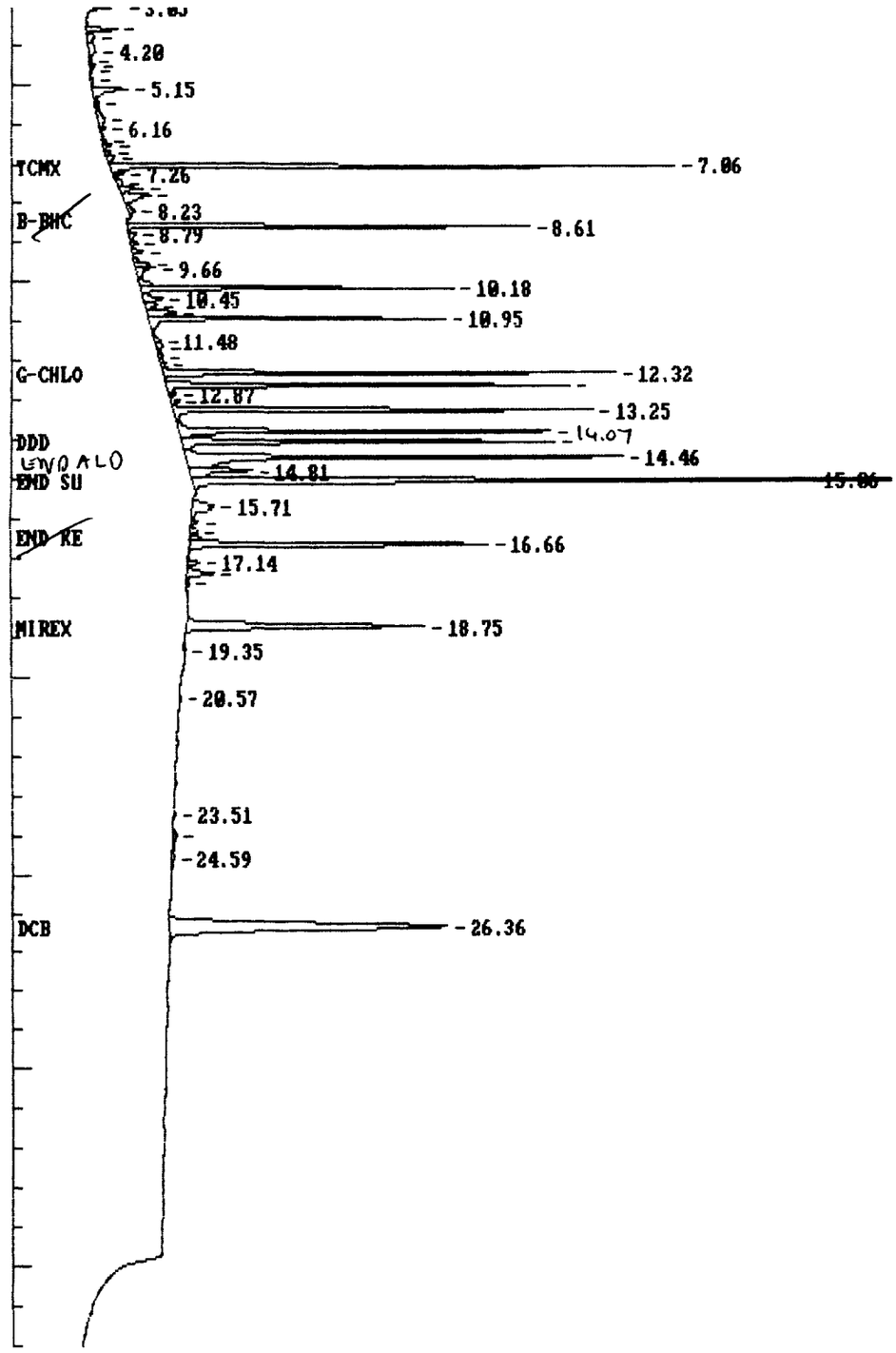
37	11.90		0.0000	0.0011%	9741	948	10.3	2		57		2.3046E-09
38	12.10		0.0000	0.0009%	7816	1103	7.1	2		57		2.3046E-09
39	12.32	G-CHLOR	0.1711	8.3288%	480202	111609	4.3	2	57	57	0	3.5621E-07
~~40~~	~~12.65~~	~~A-CHLOR~~	~~0.1570~~	~~7.6436%~~	~~439092~~	~~99331~~	~~4.4~~	~~3~~	~~57~~	~~57~~	~~-.2169~~	~~3.5752E-07~~
41	12.87		0.0000	0.0010%	9039	1463	6.2	4		57		2.3046E-09
~~42~~	~~13.04~~	~~DDE~~	~~0.0048~~	~~0.2337%~~	~~11212~~	~~2053~~	~~5.5~~	~~2~~	~~57~~	~~57~~	~~0~~	~~4.2804E-07~~
43	13.25		0.0010	0.0506%	451191	103543	4.4	2		57		2.3046E-09
44	13.80		0.0010	0.0478%	425683	91663	4.6	2		57		2.3046E-09
45	14.07	DDD	0.2190	10.6630%	421959	91948	4.6	2	57	57	0	5.1899E-07
46	14.46	END ALD	0.3325	16.1902%	647708	107659	6.0	2	57	57	.0625	5.1336E-07
47	14.81		0.0002	0.0115%	102458	15327	6.7	2		57		2.3046E-09
48	15.06	END SULFATE	0.7534	36.6851%	1245624	232642	5.4	2	57	57	0	6.0486E-07
49	15.71		0.0002	0.0084%	75224	5444	13.8	2		57		2.3046E-09
50	16.11		0.0000	0.0013%	11899	1853	6.4	2		57		2.3046E-09
51	16.34		0.0000	0.0017%	15544	1853	8.4	2		57		2.3046E-09
~~52~~	~~16.51~~	~~END KETONE~~	~~0.0075~~	~~0.3656%~~	~~18117~~	~~3045~~	~~6.0~~	~~2~~	~~57~~	~~57~~	~~0~~	~~4.1442E-07~~
53	16.66		0.0010	0.0481%	428382	73772	5.8	2		57		2.3046E-09
54	17.14		0.0000	0.0023%	20346	2946	6.9	2		57		2.3046E-09
55	17.41		0.0001	0.0061%	54143	6686	8.1	2		57		2.3046E-09
56	17.66		0.0000	0.0006%	5059	759	6.7	2		57		2.3046E-09
57	18.75	MIREX	1.0000	0.0000%	456754	58918	7.8	1	57	57	0	2.1894E-06
58	19.35		0.0000	0.0002%	1694	213	8.0	1		57		2.3046E-09
59	20.57		0.0000	0.0002%	2095	226	9.3	1		57		2.3046E-09
60	23.51		0.0000	0.0006%	5562	528	10.5	1		57		2.3046E-09
61	24.03		0.0000	0.0023%	20109	966	20.8	2		57		2.3046E-09
62	24.59		0.0000	0.0008%	6980	500	14.0	2		57		2.3046E-09
63	26.36	DCB	0.2152	10.4795%	899471	68569	13.1	1	57	57	-.0750	2.3928E-07

TOTAL AMOUNT = 2.0538

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD41.PTS Printed on 05-28-1993 at 13:27:06
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

```
******    INTERNAL STANDARD TABLE    ******
******************** 05-27-1993 12:57:08 Version 4.1 **********************
* Sample Name: 93ZE33S38 PCB MS                    Data File: J:1HOD41      *
* Date: 05-26-1993 19:58:33 Method: J:1_1242  05-26-1993 09:46:45  #  412 *
* Interface: 0   Cycle#:  41   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~      *
* Misc. Information: H.O.D. LANDFILL                  ~~SCRN:~~        *   *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:       500                       One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.050000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.27		0.0000	0.0002%	4325	716	6.0	2		63		5.6644E-09
2	3.40		0.0000	0.0002%	4782	891	5.4	2		63		5.6644E-09
3	3.65		0.0000	0.0002%	3544	775	4.6	2		63		5.6644E-09
4	3.89		0.0001	0.0007%	15017	2383	6.3	1		63		5.6644E-09
5	4.55		0.0001	0.0004%	10205	2046	5.0	1		63		5.6644E-09
6	4.84		0.0000	0.0003%	7114	1337	5.3	1		63		5.6644E-09
7	5.35		0.0000	0.0001%	1845	278	6.6	1		63		5.6644E-09
8	5.71		0.0000	0.0002%	5125	804	6.4	1		63		5.6644E-09
9	6.02		0.0000	0.0001%	1179	169	7.0	2		63		5.6644E-09
10	6.26		0.0000	0.0001%	2310	403	5.7	2		63		5.6644E-09
11	6.39		0.0000	0.0001%	3079	455	6.8	2		63		5.6644E-09
12	6.67		0.0001	0.0005%	11017	1700	6.5	2		63		5.6644E-09
13	7.02		0.0006	0.0049%	111955	29330	3.8	2		63		5.6644E-09
14	7.73		0.0000	0.0003%	6944	531	13.1	2		63		5.6644E-09
15	7.94		0.0001	0.0005%	12201	1736	7.0	2		63		5.6644E-09
16	8.09		0.0001	0.0005%	12637	2305	5.5	2		63		5.6644E-09
17	8.31		0.0001	0.0004%	10282	1464	7.0	2		63		5.6644E-09
18	8.48		0.0001	0.0006%	13916	3012	4.6	2		63		5.6644E-09
19	8.63		0.0003	0.0026%	59779	14822	4.0	2		63		5.6644E-09
20	9.00		0.0001	0.0004%	9029	1705	5.3	2		63		5.6644E-09
21	9.20		0.0000	0.0002%	4417	931	4.7	2		63		5.6644E-09
22	9.46		0.0001	0.0006%	13151	2127	6.2	2		63		5.6644E-09
23	9.61		0.0007	0.0054%	124661	27508	4.5	2		63		5.6644E-09
24	9.86		0.0000	0.0003%	7667	1723	4.5	1		63		5.6644E-09
25	10.11		0.0003	0.0023%	53689	8492	6.3	2		63		5.6644E-09
26	10.30		0.0003	0.0023%	53766	10976	4.9	2		63		5.6644E-09
27	10.43	1242-1	2.3522	18.0393%	235710	41490	5.7	2	63	63	.1584	9.9792E-06
28	10.82	1242-2	2.1507	16.4943%	94412	20380	4.6	3	63	63	.1641	2.2780E-05
29	10.97		0.0001	0.0006%	13069	2913	4.5	4		63		5.6644E-09
30	11.13		0.0007	0.0051%	117297	27274	4.3	2		63		5.6644E-09
31	11.27		0.0004	0.0033%	76949	13185	5.8	2		63		5.6644E-09
32	11.42	1242-3	2.2755	17.4510%	40838	7947	5.1	2	63	63	0	5.5720E-05
33	11.60		0.0000	0.0001%	1934	522	3.7	2		63		5.6644E-09
34	11.70		0.0000	0.0003%	5938	1517	3.9	2		63		5.6644E-09
35	11.92	1242-4	3.5281	27.0689%	143215	19040	7.5	2	63	63	0	2.4642E-05

36	12.29		0.0004	0.0027%	62651	10177	6.2	2		63		5.6644E-09
37	12.40		0.0003	0.0026%	60004	12979	4.6	2		63		5.6644E-09
38	12.54	1242-5	2.7222	20.8773%	83681	20478	4.1	2	63	63	.1853	3.2531E-05
39	12.70		0.0006	0.0042%	97162	19384	5.0	2		63		5.6644E-09
40	12.90		0.0001	0.0010%	22424	3666	6.1	2		63		5.6644E-09
41	13.02		0.0002	0.0013%	29759	4255	7.0	2		63		5.6644E-09
42	13.24		0.0001	0.0005%	11638	2505	4.6	2		63		5.6644E-09
43	13.42		0.0004	0.0030%	69377	16338	4.2	2		63		5.6644E-09
44	13.79		0.0001	0.0005%	11641	2545	4.6	2		63		5.6644E-09
45	13.96		0.0001	0.0004%	10030	2130	4.7	2		63		5.6644E-09
46	14.12		0.0001	0.0006%	13946	2713	5.1	2		63		5.6644E-09
47	14.31		0.0001	0.0008%	18004	3468	5.2	2		63		5.6644E-09
48	14.41		0.0002	0.0013%	29187	5177	5.6	2		63		5.6644E-09
49	14.69		0.0001	0.0009%	19773	4006	4.9	2		63		5.6644E-09
50	14.86		0.0000	0.0003%	7867	1229	6.4	2		63		5.6644E-09
51	15.07		0.0001	0.0007%	15713	3007	5.2	2		63		5.6644E-09
52	15.41		0.0000	0.0001%	1330	190	7.0	2		63		5.6644E-09
53	15.68		0.0000	0.0000%	1132	240	4.7	2		63		5.6644E-09
54	15.98		0.0001	0.0006%	13944	2660	5.2	2		63		5.6644E-09
55	16.11		0.0000	0.0003%	6348	838	7.6	2		63		5.6644E-09
56	16.46		0.0000	0.0003%	7556	671	11.3	2		63		5.6644E-09
57	16.91		0.0004	0.0028%	63835	9410	6.8	2		63		5.6644E-09
58	17.35		0.0000	0.0001%	1792	249	7.2	2		63		5.6644E-09
59	17.81		0.0000	0.0001%	1602	318	5.0	1		63		5.6644E-09
60	18.50		0.0000	0.0002%	3938	659	6.0	1		63		5.6644E-09
61	19.52		0.0000	0.0003%	7971	408	19.5	1		63		5.6644E-09
62	20.40		0.0000	0.0000%	989	148	6.7	1		63		5.6644E-09
63	20.95	MIREX	1.0000	0.0000%	168134	18318	9.2	1	63	63	0	5.9476E-06
64	21.84		0.0000	0.0001%	2900	298	9.7	1		63		5.6644E-09
65	23.52		0.0000	0.0002%	5053	398	12.7	1		63		5.6644E-09
66	26.36		0.0000	0.0002%	3724	258	14.4	2		63		5.6644E-09
67	26.86		0.0000	0.0001%	2692	222	12.1	2		63		5.6644E-09
68	30.00		0.0017	0.0133%	305781	20332	15.0	1		63		5.6644E-09

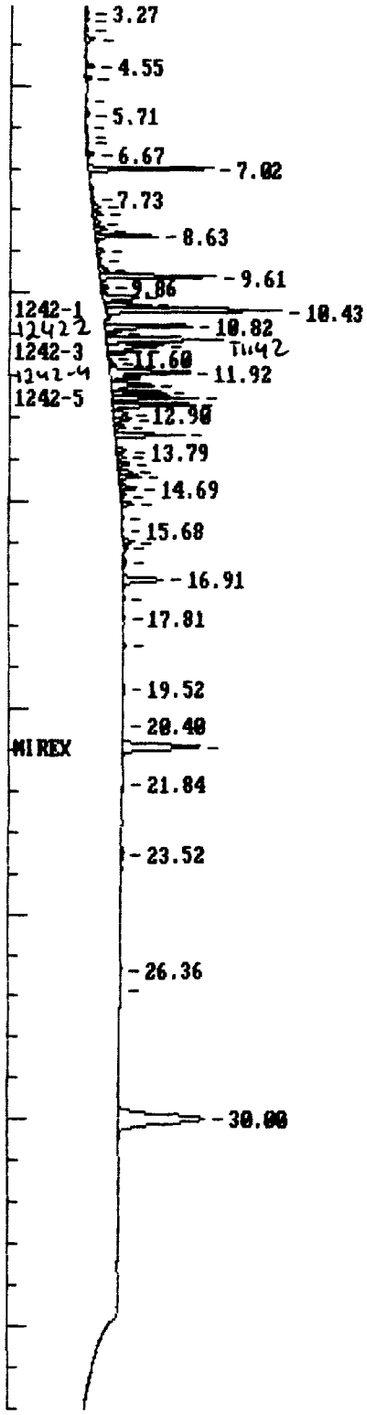
TOTAL AMOUNT = 13.0393

AO (n=5) = 2.606

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD41.PTS Printed on 05-27-1993 at 12:58:36
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

Quantitation for TCMX and DCB only

PRIMARY COLUMN

```
*****   EXTERNAL STANDARD TABLE   *****
******************** 05-29-1993 14:15:19 Version 4.1 **********************
* Sample Name: 93ZE33S38 PCB MS                    Data File: J:1HOD41      *
* Date: 05-26-1993 19:58:33 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  41   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                  SCRN:            *    *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Sample Weight:          1.050000
```

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	3.27		4.1187	0.2476%	4325	716	6.0	2			9.5238E-04
2	3.40		4.5546	0.2738%	4782	891	5.4	2			9.5238E-04
3	3.65		3.3750	0.2029%	3544	775	4.6	2			9.5238E-04
4	3.89		14.3019	0.8598%	15017	2383	6.3	1			9.5238E-04
5	4.55		9.7194	0.5843%	10205	2046	5.0	1			9.5238E-04
6	4.84		6.7750	0.4073%	7114	1337	5.3	1			9.5238E-04
7	5.35		1.7568	0.1056%	1845	278	6.6	1			9.5238E-04
8	5.71		4.8807	0.2934%	5125	804	6.4	1			9.5238E-04
9	6.02		1.1227	0.0675%	1179	169	7.0	2			9.5238E-04
10	6.26		2.1999	0.1323%	2310	403	5.7	2			9.5238E-04
11	6.39		2.9328	0.1763%	3079	455	6.8	2			9.5238E-04
12	6.67		10.4921	0.6308%	11017	1700	6.5	2			9.5238E-04
13	7.02	TCMX	0.0694	0.0042%	111955	29330	3.8	2	13	0	6.1994E-07
14	7.73		6.6129	0.3976%	6944	531	13.1	2			9.5238E-04
15	7.94		11.6203	0.6986%	12201	1736	7.0	2			9.5238E-04
16	8.09		12.0356	0.7236%	12637	2305	5.5	2			9.5238E-04
17	8.31		9.7925	0.5887%	10282	1464	7.0	2			9.5238E-04
18	8.48		13.2538	0.7968%	13916	3012	4.6	2			9.5238E-04
19	8.63		56.9325	3.4228%	59779	14822	4.0	2			9.5238E-04
20	9.00		8.5987	0.5169%	9029	1705	5.3	2			9.5238E-04
21	9.20		4.2063	0.2529%	4417	931	4.7	2			9.5238E-04
22	9.46		12.5246	0.7530%	13151	2127	6.2	2			9.5238E-04
23	9.61		118.7245	7.1377%	124661	27508	4.5	2			9.5238E-04
~~24~~	~~9.86~~	~~B-BHC~~	~~0.0085~~	~~0.0005%~~	~~7667~~	~~1723~~	~~4.5~~	~~1~~	~~24~~	~~0~~	~~1.1102E-06~~
25	10.11		51.1326	3.0741%	53689	8492	6.3	2			9.5238E-04
26	10.30		51.2059	3.0785%	53766	10976	4.9	2			9.5238E-04
27	10.43		224.4857	13.4960%	235710	41490	5.7	2			9.5238E-04
~~28~~	~~10.82~~	~~D-BHC~~	~~0.0883~~	~~0.0053%~~	~~94412~~	~~20380~~	~~4.6~~	~~3~~	~~28~~	~~0~~	~~9.3534E-07~~
29	10.97		12.4471	0.7483%	13069	2913	4.5	4			9.5238E-04
30	11.13		111.7118	6.7161%	117297	27274	4.3	2			9.5238E-04
31	11.27		73.2843	4.4058%	76949	13185	5.8	2			9.5238E-04
32	11.42		38.8935	2.3383%	40838	7947	5.1	2			9.5238E-04
33	11.60		1.8416	0.1107%	1934	522	3.7	2			9.5238E-04
34	11.70		5.6557	0.3400%	5938	1517	3.9	2			9.5238E-04
35	11.92		136.3950	8.2000%	143215	19060	7.5	2			9.5238E-04
36	12.24		59.6483	3.5860%	62631	10177	6.2	2			9.5238E-04
37	12.40		57.1470	3.4357%	60004	12979	4.6	2			9.5238E-04

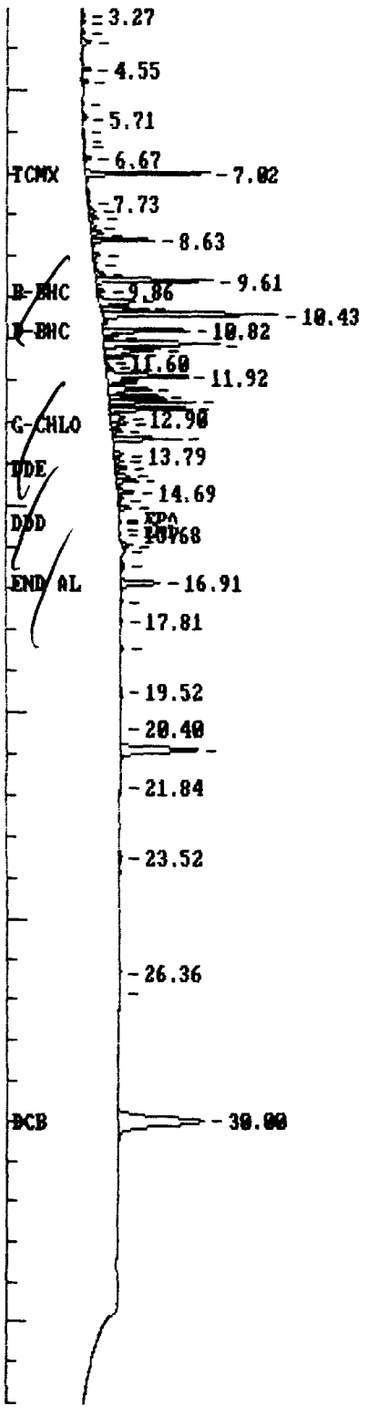
38	12.54	79.6766	[illegible]	[illegible]	[illegible]	4.1	2			9.5238E-04
39	12.70	92.5357	5.8632%	97162	19354	5.0	2			9.5238E-04
40	12.90	21.3558	1.2839%	22424	3666	6.1	2			9.5238E-04
~~41~~	~~13.02 G-CHLORDANE~~	~~0.0235~~	~~0.0014%~~	~~29759~~	~~4255~~	~~7.0~~	~~2~~	~~41~~	~~0~~	~~7.9067E-07~~
42	13.24	11.0842	0.6664%	11638	2505	4.6	2			9.5238E-04
~~43~~	~~13.42 A-CHLORDANE~~	~~0.0550~~	~~0.0033%~~	~~69377~~	~~16338~~	~~4.2~~	~~2~~	~~43~~	~~0~~	~~7.9296E-07~~
44	13.79	11.0869	0.6665%	11641	2545	4.6	2			9.5238E-04
45	13.96	9.5520	0.5743%	10030	2130	4.7	2			9.5238E-04
~~46~~	~~14.12 DDE~~	~~0.0132~~	~~0.0008%~~	~~13946~~	~~2713~~	~~5.1~~	~~2~~	~~46~~	~~0~~	~~9.4859E-07~~
47	14.31	17.1471	1.0309%	18004	3468	5.2	2			9.5238E-04
48	14.41	27.7969	1.6711%	29187	5177	5.6	2			9.5238E-04
49	14.69	18.8319	1.1322%	19773	4006	4.9	2			9.5238E-04
50	14.86	7.4924	0.4504%	7867	1229	6.4	2			9.5238E-04
51	15.07	14.9648	0.8997%	15713	3007	5.2	2			9.5238E-04
~~52~~	~~15.41 DDD~~	~~0.0188~~	~~0.0011%~~	~~10464~~	~~184~~	~~57.0~~	~~1~~	~~52~~	~~0~~	~~1.7935E-06~~
53	15.68	0.9848	0.0592%	1034	233	4.4	1			9.5238E-04
54	15.98	9.8511	0.5922%	10344	2296	4.5	1			9.5238E-04
55	16.11	2.9096	0.1749%	3055	490	6.2	1			9.5238E-04
56	16.46	6.5588	0.3943%	6887	653	10.5	1			9.5238E-04
~~57~~	~~16.91 END ALDEHYDE~~	~~0.0751~~	~~0.0045%~~	~~62011~~	~~9354~~	~~6.6~~	~~1~~	~~57~~	~~0~~	~~1.2104E-06~~
~~58~~	~~17.35 END SULFATE~~	~~0.0018~~	~~0.0001%~~	~~1404~~	~~219~~	~~6.4~~	~~1~~	~~58~~	~~0~~	~~1.2641E-06~~
59	17.81	1.5259	0.0917%	1602	318	5.0	1			9.5238E-04
60	18.50	3.7508	0.2255%	3938	659	6.0	1			9.5238E-04
61	19.52	7.5918	0.4564%	7971	408	19.5	1			9.5238E-04
62	20.40	0.9419	0.0566%	989	148	6.7	1			9.5238E-04
63	20.95	160.1281	9.6268%	168134	18318	9.2	1			9.5238E-04
64	21.84	2.7622	0.1661%	2900	298	9.7	1			9.5238E-04
65	23.52	4.8125	0.2893%	5053	398	12.7	1			9.5238E-04
66	26.36	2.9988	0.1803%	3149	239	13.2	1			9.5238E-04
67	26.86	2.0718	0.1246%	2175	201	10.8	1			9.5238E-04
68	30.00 DCB	0.1868	0.0112%	305781	20332	15.0	1	68	0	6.1104E-07

TOTAL AMOUNT = 1663.3525

KM
6-01-93

PRIMARY COLUMN

Data File = J:1HOD41.PTS Printed on 05-29-1993 at 14:16:42
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-01-93

SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-28-1993 14:30:42 Version 4.1 **********

* Sample Name: 93ZE33S38 PCB MS Data File: J:2HOD42 *
* Date: 05-26-1993 20:39:38 Method: J:2_1242 05-26-1993 10:15:10 # 358 *
* Interface: 0 Cycle#: 42 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 100 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.050000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.2825	0.2764%	14114	4012	3.5	1		79		2.0014E-05
2	3.45		0.0250	0.0245%	1251	322	3.9	2		79		2.0014E-05
3	3.63		0.5363	0.5249%	26798	5297	5.1	3		79		2.0014E-05
4	3.82		0.1360	0.1331%	6794	763	8.9	4		79		2.0014E-05
5	4.15		0.2373	0.2322%	11856	971	12.2	2		79		2.0014E-05
6	4.27		0.1130	0.1106%	5646	945	6.0	2		79		2.0014E-05
7	4.45		0.0628	0.0614%	3137	602	5.2	2		79		2.0014E-05
8	4.54		0.1058	0.1035%	5285	1252	4.2	2		79		2.0014E-05
9	4.65		0.0295	0.0289%	1475	445	3.3	2		79		2.0014E-05
10	4.75		0.0148	0.0145%	738	204	3.6	1		79		2.0014E-05
11	4.90		0.0357	0.0350%	1785	483	3.7	1		79		2.0014E-05
12	5.15		0.8946	0.8755%	44699	7971	5.6	2		79		2.0014E-05
13	5.49		0.1113	0.1089%	5562	764	7.3	2		79		2.0014E-05
14	5.62		0.0402	0.0393%	2007	491	4.1	2		79		2.0014E-05
15	5.76		0.0317	0.0310%	1585	425	3.7	2		79		2.0014E-05
16	5.91		0.0599	0.0586%	2991	520	5.8	2		79		2.0014E-05
17	6.14		0.0924	0.0905%	4619	859	5.4	1		79		2.0014E-05
18	6.36		0.0422	0.0413%	2109	416	5.1	2		79		2.0014E-05
19	6.44		0.0871	0.0852%	4352	1056	4.1	2		79		2.0014E-05
20	6.56		0.2226	0.2179%	11124	2000	5.6	2		79		2.0014E-05
21	6.74		0.1120	0.1096%	5598	1401	4.0	2		79		2.0014E-05
22	6.82		0.2391	0.2340%	11947	1695	7.0	2		79		2.0014E-05
23	7.06		5.2259	5.1143%	261114	63820	4.1	3		79		2.0014E-05
24	7.26		0.3210	0.3141%	16038	2692	6.0	4		79		2.0014E-05
25	7.51		0.7836	0.7669%	39155	5793	6.8	2		79		2.0014E-05
26	7.64		0.4847	0.4743%	24218	4861	5.0	2		79		2.0014E-05
27	7.74		1.0209	0.9991%	51010	7971	6.4	2		79		2.0014E-05
28	7.88		3.8077	3.7264%	190255	30213	6.3	3		79		2.0014E-05
29	8.11		0.0392	0.0384%	1958	514	3.8	4		79		2.0014E-05
30	8.23		0.1851	0.1811%	9248	1684	5.5	4		79		2.0014E-05
31	8.33		0.4567	0.4470%	22821	4602	5.0	4		79		2.0014E-05
32	8.51		0.0197	0.0193%	984	305	3.2	4		79		2.0014E-05
33	8.64		0.0421	0.0412%	2104	496	4.2	4		79		2.0014E-05
34	8.78	1242-1	2.2106	2.1634%	261376	41000	6.4	2	79	79	-.1128	8.4575E-06
35	9.03		0.4987	0.4880%	24916	5404	4.6	2		79		2.0014E-05

36	9.20	1242-2	[illegible]	[illegible]	[illegible]	[illegible]	4.2	2	79	[illegible]	[illegible]	1.5201E-05
37	9.56		2.1625	2.1164%	108052	14158	7.6	2		79		2.0014E-05
38	9.76		9.9916	9.7782%	499232	91823	5.4	2		79		2.0014E-05
39	9.98	1242-3	2.5732	2.5182%	216064	49850	4.3	2	79	79	-.0672	1.1909E-05
40	10.15	1242-4	2.3686	2.3180%	135469	32281	4.2	2	79	79	-.0617	1.7484E-05
41	10.26		0.8765	0.8578%	43795	9666	4.5	2		79		2.0014E-05
42	10.48		3.0303	2.9656%	151409	33302	4.5	2		79		2.0014E-05
43	10.58		4.3510	4.2581%	217398	29445	7.4	2		79		2.0014E-05
44	10.82		0.9231	0.9034%	46124	8773	5.3	2		79		2.0014E-05
45	10.93		5.7890	5.6653%	289247	37167	7.8	2		79		2.0014E-05
46	11.22		3.1834	3.1155%	159061	31510	5.0	2		79		2.0014E-05
47	11.40		1.0477	1.0253%	52350	10140	5.2	2		79		2.0014E-05
48	11.62		0.2686	0.2629%	13421	2741	4.9	2		79		2.0014E-05
49	11.72		1.7124	1.6759%	85563	23832	3.6	2		79		2.0014E-05
50	11.78		4.2322	4.1418%	211463	44104	4.8	2		79		2.0014E-05
51	11.88		4.1633	4.0744%	208020	45218	4.6	2		79		2.0014E-05
52	12.07		0.4369	0.4276%	21830	3404	6.4	2		79		2.0014E-05
53	12.29	1242-5	2.5181	2.4643%	163121	34781	4.7	2	79	79	.1311	1.5437E-05
54	12.40		1.1626	1.1378%	58090	13072	4.4	2		79		2.0014E-05
55	12.54		0.7744	0.7579%	38695	6122	6.3	2		79		2.0014E-05
56	12.92		0.6920	0.6772%	34574	4838	7.1	2		79		2.0014E-05
57	13.04		0.6377	0.6241%	31864	6922	4.6	2		79		2.0014E-05
58	13.15		0.4445	0.4350%	22208	4498	4.9	2		79		2.0014E-05
59	13.29		1.2367	1.2103%	61793	13245	4.7	2		79		2.0014E-05
60	13.57		0.3160	0.3092%	15789	3766	4.2	2		79		2.0014E-05
61	13.70		0.2588	0.2532%	12930	1870	6.9	2		79		2.0014E-05
62	13.91		0.9433	0.9231%	47131	9114	5.2	3		79		2.0014E-05
63	14.04		0.0175	0.0171%	873	259	3.4	4		79		2.0014E-05
64	14.21		0.0293	0.0287%	1464	420	3.5	1		79		2.0014E-05
65	14.44		0.2490	0.2437%	12443	2402	5.2	2		79		2.0014E-05
66	14.59		1.1030	1.0794%	55112	8661	6.4	2		79		2.0014E-05
67	14.81		2.1989	2.1519%	109869	18321	6.0	3		79		2.0014E-05
68	15.06		0.1333	0.1305%	6661	1107	6.0	4		79		2.0014E-05
69	15.19		0.4798	0.4695%	23973	2907	8.2	4		79		2.0014E-05
70	15.39		0.3007	0.2943%	15027	1669	9.0	4		79		2.0014E-05
71	15.68		1.0890	1.0658%	54412	4234	12.9	2		79		2.0014E-05
72	15.99		0.2041	0.1998%	10200	891	11.4	2		79		2.0014E-05
73	16.36		0.2429	0.2377%	12135	1580	7.7	2		79		2.0014E-05
74	16.58		0.0235	0.0230%	1172	261	4.5	1		79		2.0014E-05
75	17.14		0.3223	0.3154%	16104	2419	6.7	2		79		2.0014E-05
76	17.41		0.9019	0.8826%	45062	4798	9.4	2		79		2.0014E-05
77	17.66		0.1114	0.1090%	5567	793	7.0	2		79		2.0014E-05
78	17.86		0.0334	0.0327%	1671	235	7.1	2		79		2.0014E-05
79	18.75	MIREX	1.0000	0.0000%	475860	59919	7.9	3	79	79	0	2.1015E-06
80	19.08		0.1829	0.1790%	9140	979	9.3	4		79		2.0014E-05
81	19.30		0.0479	0.0468%	2391	301	8.0	4		79		2.0014E-05
82	19.83		0.0180	0.0176%	900	144	6.2	1		79		2.0014E-05
83	20.57		0.0492	0.0481%	2458	260	9.4	1		79		2.0014E-05
84	21.59		0.0238	0.0233%	1189	165	7.2	1		79		2.0014E-05
85	22.07		0.0319	0.0313%	1596	159	10.1	1		79		2.0014E-05
86	23.16		0.0426	0.0417%	2128	171	12.4	2		79		2.0014E-05
87	23.51		0.2275	0.2227%	11369	683	16.6	2		79		2.0014E-05
88	24.03		0.2247	0.2199%	11226	871	12.9	2		79		2.0014E-05
89	24.61		0.0702	0.0687%	3505	324	10.8	1		79		2.0014E-05
90	26.36		16.9147	16.5535%	845146	63915	13.2	1		79		2.0014E-05

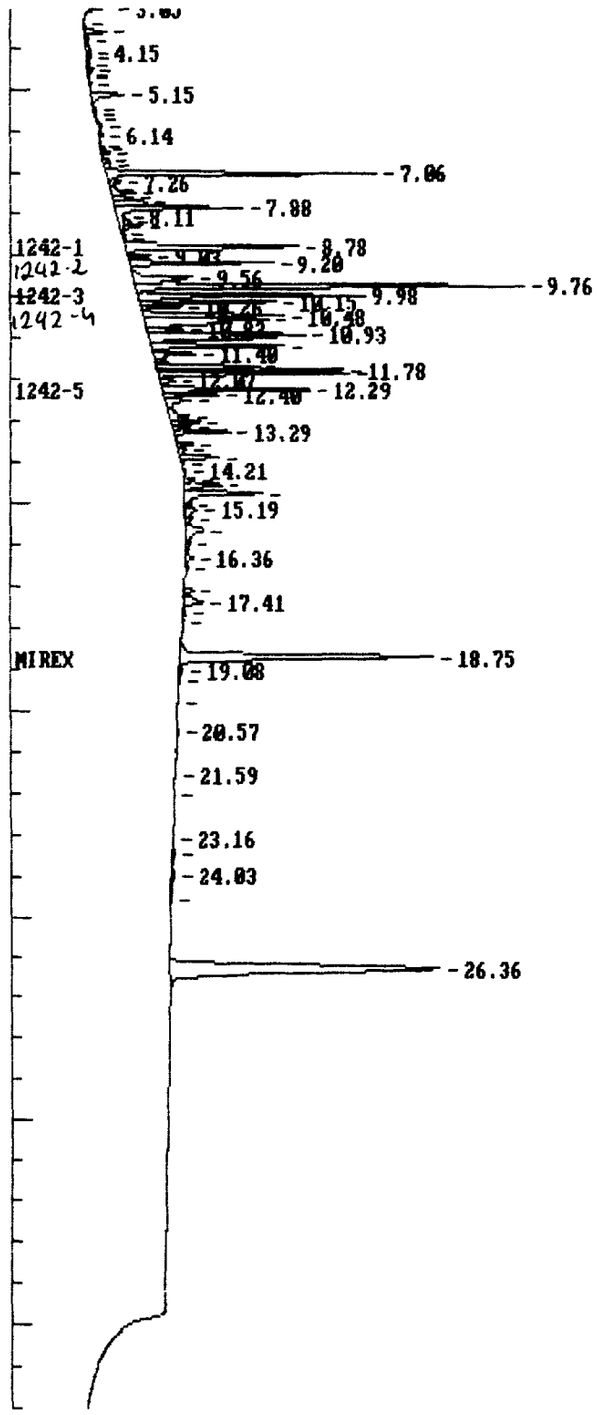
TOTAL AMOUNT = 102.1819

AU(nat) = 2.375

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD42.PTS Printed on 05-28-1993 at 14:32:33
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

Quantitation for TCMX and DCB only

```
******      INTERNAL STANDARD TABLE      ******
******************** 05-29-1993 14:51:05 Version 4.1 **********************
* Sample Name: 93ZE33S38 PCB MS                    Data File: J:2HOD42      *
* Date: 05-26-1993 20:39:38 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  42   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*              ~~Detector 0: DB608 QUAN~~      Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL    *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:        0                      One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.050000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0000	0.0082%	14114	4012	3.5	1		66		2.0015E-09
2	3.63		0.0000	0.0142%	24456	5195	4.7	2		66		2.0015E-09
3	3.82		0.0000	0.0033%	5713	723	7.9	2		66		2.0015E-09
4	4.15		0.0000	0.0027%	4654	423	11.0	1		66		2.0015E-09
5	4.45		0.0000	0.0009%	1490	422	3.5	2		66		2.0015E-09
6	4.54		0.0000	0.0023%	3892	1078	3.6	2		66		2.0015E-09
7	4.90		0.0000	0.0010%	1785	483	3.7	1		66		2.0015E-09
8	5.15		0.0001	0.0257%	44211	7957	5.6	2		66		2.0015E-09
9	5.49		0.0000	0.0027%	4671	692	6.7	2		66		2.0015E-09
10	5.91		0.0000	0.0026%	4471	520	8.6	1		66		2.0015E-09
11	6.14		0.0000	0.0027%	4619	859	5.4	1		66		2.0015E-09
12	6.44		0.0000	0.0040%	6926	1056	6.6	2		66		2.0015E-09
13	6.56		0.0000	0.0060%	10378	2000	5.2	2		66		2.0015E-09
14	6.74		0.0000	0.0032%	5514	1386	4.0	2		66		2.0015E-09
15	6.82		0.0000	0.0067%	11605	1665	7.0	2		66		2.0015E-09
16	7.06	TCMX	0.0763	22.1609%	259962	63749	4.1	3	66	66	0	2.9341E-07
17	7.26		0.0000	0.0087%	15016	2577	5.8	4		66		2.0015E-09
18	7.51		0.0001	0.0215%	36895	5642	6.5	2		66		2.0015E-09
19	7.64		0.0000	0.0133%	22826	4686	4.9	2		66		2.0015E-09
20	7.74		0.0001	0.0288%	49452	7778	6.4	2		66		2.0015E-09
21	7.88		0.0003	0.0981%	168763	29996	5.6	3		66		2.0015E-09
22	8.23		0.0000	0.0078%	13462	1912	7.0	4		66		2.0015E-09
23	8.33		0.0001	0.0148%	25418	4831	5.3	4		66		2.0015E-09
24	8.64		0.0000	0.0007%	1206	388	3.1	1		66		2.0015E-09
25	8.78		0.0005	0.1511%	259892	40911	6.4	2		66		2.0015E-09
~~26~~	~~9.03~~	~~D-BHC~~	~~0.0091~~	~~2.6580%~~	~~24432~~	~~5355~~	~~4.6~~	~~2~~	~~66~~	~~66~~	~~-.1910~~	~~3.7444E-07~~
27	9.20		0.0003	0.0841%	144584	34133	4.2	2		66		2.0015E-09
28	9.56		0.0002	0.0628%	108043	14158	7.6	2		66		2.0015E-09
29	9.76		0.0010	0.2903%	499215	91822	5.4	2		66		2.0015E-09
30	9.98		0.0004	0.1256%	216043	49848	4.3	2		66		2.0015E-09
31	10.15		0.0003	0.0788%	135450	32279	4.2	2		66		2.0015E-09
32	10.26		0.0001	0.0255%	43773	9663	4.5	2		66		2.0015E-09
33	10.48		0.0003	0.0880%	151374	33299	4.5	2		66		2.0015E-09
34	10.58		0.0004	0.1264%	217353	29441	7.4	2		66		2.0015E-09
35	10.82		0.0001	0.0268%	46096	8769	5.3	2		66		2.0015E-09
36	10.93		0.0006	0.1487%	288176	77147	7.0	2		66		[illegible]

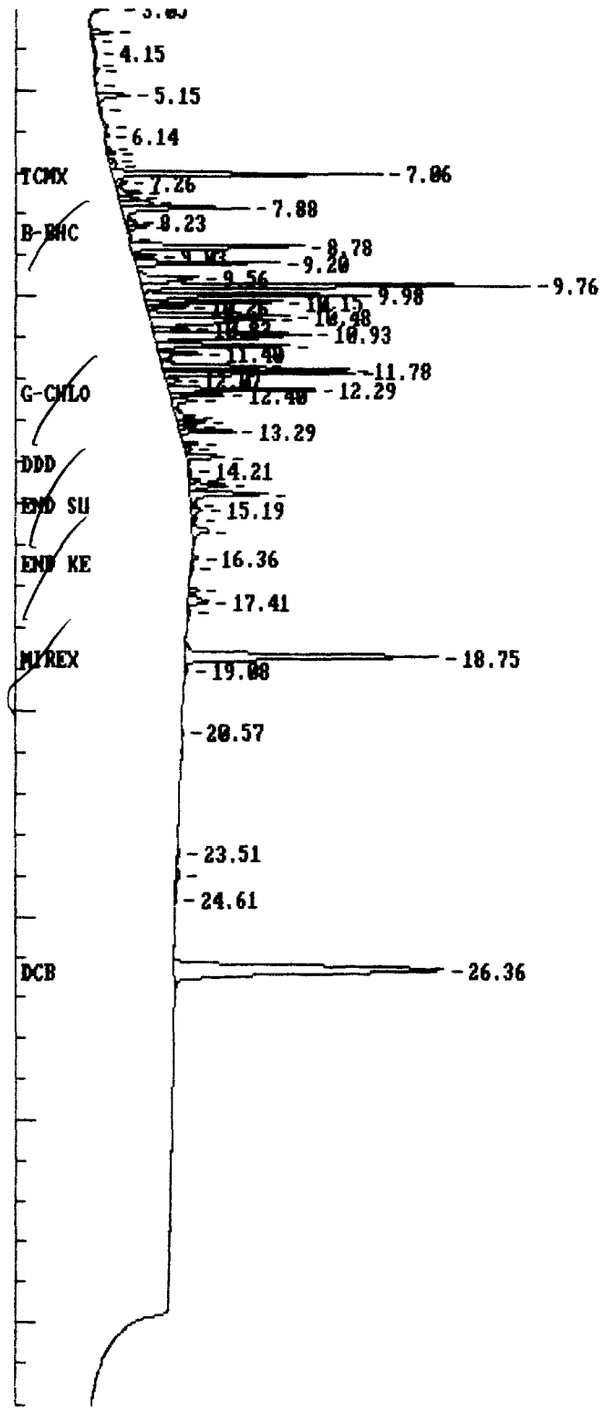
37	11.22	0.0003	0.0925%	158996	31505	5.0	2		66		2.0015E-09
38	11.40	0.0001	0.0304%	52265	10134	5.2	2		66		2.0015E-09
39	11.72	0.0002	0.0561%	96415	23825	4.0	2		66		2.0015E-09
40	-11.78	0.0004	0.1229%	211417	44097	4.8	2		66		2.0015E-09
41	11.88	0.0004	0.1209%	207951	45212	4.6	2		66		2.0015E-09
42	12.07	0.0000	0.0126%	21742	3397	6.4	2		66		2.0015E-09
~~43~~	~~12.29 G-CHLOR~~	~~0.0504~~	~~14.6534%~~	~~163027~~	~~34773~~	~~4.7~~	~~2~~	~~66~~	~~66~~	~~.2287~~	~~3.0937E-07~~
44	12.40	0.0001	0.0337%	58024	13063	4.4	2		66		2.0015E-09
45	12.54	0.0001	0.0224%	38555	6113	6.3	2		66		2.0015E-09
46	12.92	0.0001	0.0200%	34413	4828	7.1	2		66		2.0015E-09
~~47~~	~~13.04 DDE~~	~~0.0118~~	~~3.4331%~~	~~31785~~	~~6912~~	~~4.6~~	~~2~~	~~66~~	~~66~~	~~0~~	~~3.7176E-07~~
48	13.15	0.0000	0.0129%	22126	4487	4.9	2		66		2.0015E-09
49	13.29	0.0001	0.0358%	61598	13234	4.7	2		66		2.0015E-09
50	13.57	0.0000	0.0090%	15398	3723	4.1	2		66		2.0015E-09
51	13.70	0.0000	0.0068%	11657	1763	6.6	2		66		2.0015E-09
52	13.91	0.0001	0.0252%	43293	8910	4.9	2		66		2.0015E-09
53	14.21	0.0000	0.0030%	5148	619	8.3	2		66		2.0015E-09
~~54~~	~~14.44 END ALD~~	~~0.0064~~	~~1.8484%~~	~~14269~~	~~2579~~	~~5.5~~	~~2~~	~~66~~	~~66~~	~~0~~	~~4.4585E-07~~
55	14.59	0.0001	0.0326%	56137	8750	6.4	2		66		2.0015E-09
56	14.81	0.0002	0.0619%	106476	18282	5.8	3		66		2.0015E-09
~~57~~	~~15.06 END SULFATE~~	~~0.0033~~	~~0.9632%~~	~~6311~~	~~1052~~	~~6.0~~	~~4~~	~~66~~	~~66~~	~~0~~	~~5.2532E-07~~
58	15.19	0.0000	0.0122%	20966	2707	7.7	2		66		2.0015E-09
59	15.39	0.0000	0.0060%	10400	1303	8.0	2		66		2.0015E-09
60	15.68	0.0001	0.0229%	39374	3681	10.7	2		66		2.0015E-09
61	16.36	0.0000	0.0058%	9890	1468	6.7	2		66		2.0015E-09
~~62~~	~~16.59 END KETONE~~	~~0.0033~~	~~0.9476%~~	~~9061~~	~~576~~	~~15.7~~	~~2~~	~~66~~	~~66~~	~~.4818~~	~~3.5993E-07~~
63	17.14	0.0000	0.0093%	15934	2404	6.6	2		66		2.0015E-09
64	17.41	0.0001	0.0256%	44098	4754	9.3	2		66		2.0015E-09
65	17.66	0.0000	0.0025%	4294	709	6.1	1		66		2.0015E-09
~~66~~	~~18.75 MIREX~~	~~1.0000~~	~~0.0000%~~	~~475824~~	~~59868~~	~~7.9~~	~~3~~	~~66~~	~~66~~	~~0~~	~~2.1016E-06~~
67	19.08	0.0000	0.0038%	6567	811	8.1	4		66		2.0015E-09
68	20.57	0.0000	0.0014%	2458	260	9.4	1		66		2.0015E-09
69	23.51	0.0000	0.0040%	6813	537	12.7	1		66		2.0015E-09
70	24.03	0.0000	0.0055%	9374	804	11.7	1		66		2.0015E-09
71	24.61	0.0000	0.0020%	3505	324	10.8	1		66		2.0015E-09
72	26.36 DCB	0.1756	51.0280%	845146	63915	13.2	1	66	66	-.0750	2.0781E-07

TOTAL AMOUNT = 0.3442

KM
6-01-93

SECONDARY COLUMN

Data File = J:2HOD42.PTS Printed on 05-29-1993 at 14:52:33
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-01-93

PRIMARY COLUMN

```
******    INTERNAL STANDARD TABLE    ******
******************** 05-27-1993 12:59:29 Version 4.1 **********************
* Sample Name: 93ZE33838 PCB MSD                    Data File: J:1HOD42      *
* Date: 05-26-1993 20:39:39 Method: J:1_1242  05-26-1993 09:46:45  #  412 *
* Interface: 0   Cycle#:  42   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*             Detector 0: DB608 QUAN          Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D. LANDFILL                  SCRN:          *     *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:       500                       One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.050000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.27		0.0000	0.0002%	4404	717	6.1	2		62		5.6552E-09
2	3.40		0.0000	0.0002%	5154	931	5.5	2		62		5.6552E-09
3	3.63		0.0000	0.0001%	3672	800	4.6	2		62		5.6552E-09
4	3.89		0.0001	0.0005%	13600	2360	5.8	1		62		5.6552E-09
5	4.55		0.0001	0.0003%	9204	1812	5.1	1		62		5.6552E-09
6	4.84		0.0000	0.0002%	6365	1246	5.1	1		62		5.6552E-09
7	5.35		0.0000	0.0001%	1721	253	6.8	1		62		5.6552E-09
8	5.71		0.0000	0.0002%	5157	825	6.2	1		62		5.6552E-09
9	6.26		0.0000	0.0000%	1022	276	3.7	1		62		5.6552E-09
10	6.67		0.0001	0.0004%	11482	1787	6.4	2		62		5.6552E-09
11	7.02		0.0007	0.0046%	122031	32320	3.8	2		62		5.6552E-09
12	7.49		0.0000	0.0001%	3464	382	9.1	2		62		5.6552E-09
13	7.73		0.0000	0.0001%	3000	511	5.9	2		62		5.6552E-09
14	7.94		0.0001	0.0005%	13021	1849	7.0	2		62		5.6552E-09
15	8.09		0.0001	0.0005%	13602	2521	5.4	2		62		5.6552E-09
16	8.31		0.0001	0.0004%	10486	1479	7.1	2		62		5.6552E-09
17	8.48		0.0001	0.0006%	15178	3294	4.6	2		62		5.6552E-09
18	8.63		0.0004	0.0025%	64846	15881	4.1	2		62		5.6552E-09
19	8.98		0.0001	0.0004%	9696	1805	5.4	2		62		5.6552E-09
20	9.20		0.0000	0.0002%	4577	1014	4.5	2		62		5.6552E-09
21	9.46		0.0001	0.0005%	14476	2347	6.2	2		62		5.6552E-09
22	9.61		0.0008	0.0053%	138437	29785	4.6	2		62		5.6552E-09
23	9.86		0.0001	0.0004%	10967	2077	5.3	2		62		5.6552E-09
24	10.11		0.0004	0.0025%	64584	9695	6.7	2		62		5.6552E-09
25	10.30		0.0004	0.0025%	65862	12794	5.1	2		62		5.6552E-09
26	10.43	1242-1	2.7739	18.6222%	278424	46218	6.0	2	62	62	.1584	9.9629E-06
27	10.82	1242-2	2.4620	16.5285%	108254	22469	4.8	3	62	62	.1641	2.2743E-05
28	10.97		0.0001	0.0006%	16835	3385	5.0	4		62		5.6552E-09
29	11.13		0.0007	0.0050%	131243	29670	4.4	2		62		5.6552E-09
30	11.27		0.0005	0.0033%	87266	14518	6.0	2		62		5.6552E-09
31	11.42	1242-3	2.7135	18.2163%	48778	9000	5.4	3	62	62	0	5.5629E-05
32	11.60		0.0000	0.0001%	3323	772	4.3	4		62		5.6552E-09
33	11.70		0.0001	0.0003%	9160	2036	4.5	2		62		5.6552E-09
34	11.92	1242-4	3.9590	26.5779%	160924	20974	7.7	2	62	62	0	2.4602E-05
35	12.24		0.0004	0.0027%	70169	11436	6.1	2		62		5.6552E-09

36	12.[illegible]		0.0004	[illegible]	85[illegible]	[illegible]	4.[illegible]	[illegible]	[illegible]		5.6552E-09
37	12.54	1242-5	2.9770	19.9857%	91662	22211	4.1	2	62	62	.1853	3.2478E-05
38	12.70		0.0006	0.0040%	105597	20930	5.0	2		62		5.6552E-09
39	12.90		0.0001	0.0010%	25266	4142	6.1	2		62		5.6552E-09
40	13.02		0.0002	0.0013%	33033	4709	7.0	2		62		5.6552E-09
41	13.24		0.0001	0.0004%	11428	2521	4.5	2		62		5.6552E-09
42	13.42		0.0004	0.0028%	74941	17609	4.3	2		62		5.6552E-09
43	13.79		0.0001	0.0004%	11447	2551	4.5	2		62		5.6552E-09
44	13.96		0.0001	0.0004%	10738	2278	4.7	2		62		5.6552E-09
45	14.12		0.0001	0.0005%	12357	2802	4.4	2		62		5.6552E-09
46	14.31		0.0001	0.0007%	18146	3596	5.0	2		62		5.6552E-09
47	14.41		0.0001	0.0009%	23440	5206	4.5	2		62		5.6552E-09
48	14.69		0.0001	0.0006%	17120	3974	4.3	2		62		5.6552E-09
49	14.86		0.0000	0.0002%	5802	1106	5.2	2		62		5.6552E-09
50	15.07		0.0001	0.0004%	11387	2472	4.6	1		62		5.6552E-09
51	15.41		0.0000	0.0000%	1093	189	5.8	1		62		5.6552E-09
52	15.68		0.0000	0.0000%	1168	260	4.5	1		62		5.6552E-09
53	15.98		0.0001	0.0007%	17159	3024	5.7	2		62		5.6552E-09
54	16.11		0.0001	0.0005%	12956	1348	9.6	2		62		5.6552E-09
55	16.46		0.0001	0.0004%	9317	852	10.9	2		62		5.6552E-09
56	16.91		0.0004	0.0029%	75479	10830	7.0	3		62		5.6552E-09
57	17.35		0.0000	0.0001%	1645	259	6.4	4		62		5.6552E-09
58	17.81		0.0000	0.0000%	1082	218	5.0	1		62		5.6552E-09
59	18.50		0.0000	0.0002%	4366	727	6.0	1		62		5.6552E-09
60	19.52		0.0000	0.0003%	6600	327	20.2	1		62		5.6552E-09
61	20.40		0.0000	0.0000%	1186	168	7.1	1		62		5.6552E-09
62	20.95	MIREX	1.0000	0.0000%	168409	18471	9.1	1	62	62	0	5.9379E-06
63	21.85		0.0000	0.0001%	3143	331	9.5	1		62		5.6552E-09
64	23.52		0.0000	0.0002%	4768	386	12.4	1		62		5.6552E-09
65	26.36		0.0000	0.0001%	2890	215	13.5	2		62		5.6552E-09
66	26.86		0.0000	0.0001%	2436	210	11.6	2		62		5.6552E-09
67	30.02		0.0018	0.0123%	325107	21487	15.1	1		62		5.6552E-09

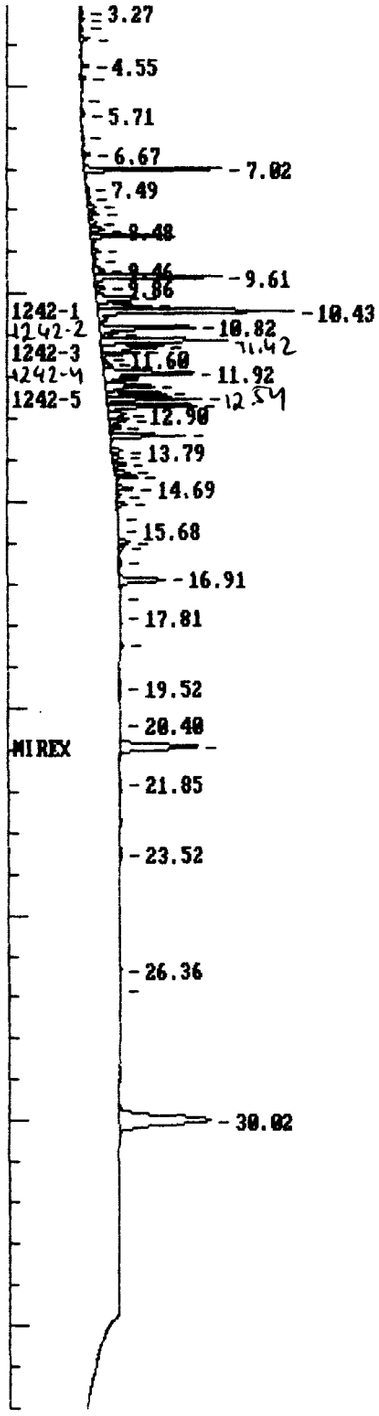
TOTAL AMOUNT = 14.8958

AU(n=5) = 2.977

KM
5-27-97

PRIMARY COLUMN

Data File = J:1HOD42.FTS Printed on 05-27-1993 at 13:00:56
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

Quantitation for TCMX and DCB only

```
*****   EXTERNAL STANDARD TABLE   *****
******************** 05-29-1993 14:17:35 Version 4.1 **********************
* Sample Name: 93ZE33938 PCB MSD                    Data File: J:1HOD42      *
* Date: 05-26-1993 20:39:39 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  42   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF          *
* Misc. Information: H.O.D. LANDFILL                  SCRN:            *   *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:       500                       One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        10.00
Sample Weight:          1.050000
```

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	3.27		4.1941	0.2301%	4404	717	6.1	2			9.5238E-04
2	3.40		4.9087	0.2694%	5154	931	5.5	2			9.5238E-04
3	3.63		3.4968	0.1919%	3672	800	4.6	2			9.5238E-04
4	3.89		12.9520	0.7107%	13600	2360	5.8	1			9.5238E-04
5	4.55		8.7656	0.4810%	9204	1812	5.1	1			9.5238E-04
6	4.84		6.0621	0.3327%	6365	1246	5.1	1			9.5238E-04
7	5.35		1.6395	0.0900%	1721	253	6.8	1			9.5238E-04
8	5.71		4.9117	0.2695%	5157	825	6.2	1			9.5238E-04
9	6.26		0.9729	0.0534%	1022	276	3.7	1			9.5238E-04
10	6.67		10.9352	0.6001%	11482	1787	6.4	2			9.5238E-04
11	7.02	TCMX	0.0757	0.0042%	122031	32320	3.8	2	11	0	6.1994E-07
12	7.49		3.2993	0.1810%	3464	382	9.1	2			9.5238E-04
13	7.73		2.8576	0.1568%	3000	511	5.9	2			9.5238E-04
14	7.94		12.4010	0.6805%	13021	1849	7.0	2			9.5238E-04
15	8.09		12.9540	0.7108%	13602	2521	5.4	2			9.5238E-04
16	8.31		9.9871	0.5480%	10486	1479	7.1	2			9.5238E-04
17	8.48		14.4549	0.7932%	15178	3294	4.6	2			9.5238E-04
18	8.63		61.7584	3.3889%	64846	15881	4.1	2			9.5238E-04
19	8.98		9.2340	0.5067%	9696	1805	5.4	2			9.5238E-04
20	9.20		4.3587	0.2392%	4577	1014	4.5	2			9.5238E-04
21	9.46		13.7867	0.7565%	14476	2347	6.2	2			9.5238E-04
22	9.61		131.8450	7.2349%	138437	29785	4.6	2			9.5238E-04
~~23~~	~~9.86~~	~~D-BHC~~	~~0.0122~~	~~0.0007%~~	~~10967~~	~~2077~~	~~5.3~~	~~2~~	~~23~~	~~0~~	~~1.1102E-06~~
24	10.11		61.5088	3.3752%	64584	9695	6.7	2			9.5238E-04
25	10.30		62.7261	3.4420%	65862	12794	5.1	2			9.5238E-04
26	10.43		265.1653	14.5507%	278424	46218	6.0	2			9.5238E-04
~~27~~	~~10.82~~	~~D-BHC~~	~~0.1013~~	~~0.0056%~~	~~108254~~	~~22469~~	~~4.8~~	~~3~~	~~27~~	~~0~~	~~9.3534E-07~~
28	10.97		16.0338	0.8798%	16835	3385	5.0	4			9.5238E-04
29	11.13		124.9934	6.8589%	131243	29670	4.4	2			9.5238E-04
30	11.27		83.1105	4.5606%	87266	14518	6.0	2			9.5238E-04
31	11.42		46.4551	2.5492%	48778	9000	5.4	3			9.5238E-04
32	11.60		3.1649	0.1737%	3323	772	4.3	4			9.5238E-04
33	11.70		8.7239	0.4787%	9160	2036	4.5	2			9.5238E-04
34	11.92		153.2606	8.4100%	160924	20974	7.7	2			9.5238E-04
35	12.24		66.8277	3.6671%	70169	11436	6.1	2			9.5238E-04
36	12.40		62.3998	3.4241%	65520	14190	4.6	2			9.5238E-04

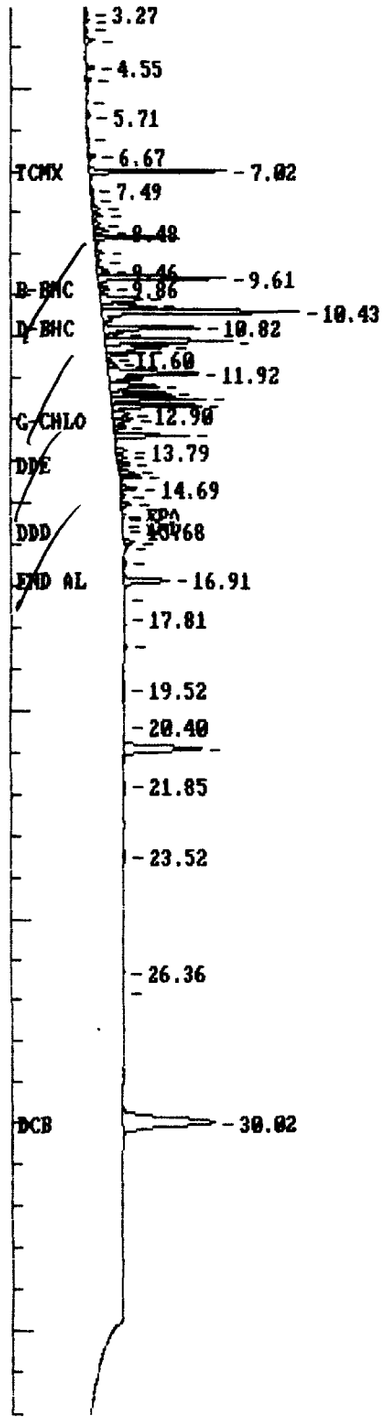
37	12.5[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
38	12.70	100.5685	5.51[illegible]%	10[illegible]	[illegible]	5.0	2			9.5238E-04
39	12.90	24.0631	1.3204%	25266	4142	6.1	2			9.5238E-04
~~40~~	~~13.02 G-CHLORDANE~~	~~0.0261~~	~~0.0014%~~	~~33033~~	~~4709~~	~~7.0~~	~~2~~	~~40~~	~~0~~	~~7.9067E-07~~
41	13.24	10.8837	0.5972%	11428	2521	4.5	2			9.5238E-04
~~42~~	~~13.42 A-CHLORDANE~~	~~0.0594~~	~~0.0033%~~	~~74941~~	~~17609~~	~~4.3~~	~~2~~	~~42~~	~~0~~	~~7.9296E-07~~
43	13.79	10.9023	0.5983%	11447	2551	4.5	2			9.5238E-04
44	13.96	10.2268	0.5612%	10738	2278	4.7	2			9.5238E-04
~~45~~	~~14.12 DDE~~	~~0.0117~~	~~0.0006%~~	~~12357~~	~~2802~~	~~4.4~~	~~2~~	~~45~~	~~0~~	~~9.4859E-07~~
46	14.31	17.2818	0.9483%	18146	3596	5.0	2			9.5238E-04
47	14.41	22.3238	1.2250%	23440	5206	4.5	2			9.5238E-04
48	14.69	16.3049	0.8947%	17120	3974	4.3	2			9.5238E-04
49	14.86	5.5253	0.3032%	5802	1106	5.2	2			9.5238E-04
50	15.07	10.8445	0.5951%	11387	2472	4.6	1			9.5238E-04
51	15.41	1.0411	0.0571%	1093	189	5.8	1			9.5238E-04
52	15.37	6.8748	0.3772%	7219	48	149.8	1			9.5238E-04
~~53~~	~~15.68 DDD~~	~~0.0141~~	~~0.0008%~~	~~7857~~	~~260~~	~~30.2~~	~~1~~	~~53~~	~~0~~	~~1.7935E-06~~
54	15.98	10.5029	0.5763%	11028	2440	4.5	1			9.5238E-04
55	16.11	3.7694	0.2068%	3958	672	5.9	1			9.5238E-04
56	16.46	7.6896	0.4220%	8074	775	10.4	1			9.5238E-04
~~57~~	~~16.91 END ALDEHYDE~~	~~0.0882~~	~~0.0048%~~	~~72852~~	~~10784~~	~~6.8~~	~~1~~	~~57~~	~~0~~	~~1.2104E-06~~
~~58~~	~~17.35 END SULFATE~~	~~0.0018~~	~~0.0001%~~	~~1418~~	~~235~~	~~6.0~~	~~1~~	~~58~~	~~0~~	~~1.2641E-06~~
59	17.81	1.0306	0.0566%	1082	218	5.0	1			9.5238E-04
60	18.50	4.1578	0.2282%	4366	727	6.0	1			9.5238E-04
61	19.52	6.2859	0.3449%	6600	327	20.2	1			9.5238E-04
62	20.40	1.1299	0.0620%	1186	168	7.1	1			9.5238E-04
63	20.95	160.3897	8.8012%	168409	18471	9.1	1			9.5238E-04
64	21.85	2.9936	0.1643%	3143	331	9.5	1			9.5238E-04
65	23.52	4.5405	0.2492%	4768	386	12.4	1			9.5238E-04
66	26.36	2.7054	0.1485%	2841	213	13.3	1			9.5238E-04
67	26.86	2.2893	0.1256%	2404	209	11.5	1			9.5238E-04
68	30.02 DCB	0.1987	0.0109%	325107	21487	15.1	1	68	0	6.1104E-07

TOTAL AMOUNT = 1822.3572

KM
6-01-93

PRIMARY COLUMN

Data File = J:1HOD42.PTS Printed on 05-29-1993 at 14:19:03
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-01-93

S: .ON. .RY .OLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-28-1993 14:33:31 Version 4.1 **********************
* Sample Name: 93ZE33S38 PCB MSD                    Data File: J:2HOD43      *
* Date: 05-26-1993 21:20:43 Method: J:2_1242  05-26-1993 10:15:10  #  358 *
* Interface: 0   Cycle#:  43   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 100              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*              Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL     *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:          0                    One sample per    1.002 sec.
Amount injected:          1.00             Dilution factor:        10.00
Internal Standard Amount:   1
Sample Weight:            1.050000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/ML	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.2885	0.2700%	14624	4048	3.6	1		79		1.9725E-05
2	3.45		0.0253	0.0237%	1283	337	3.8	2		79		1.9725E-05
3	3.63		0.5018	0.4698%	25442	4985	5.1	3		79		1.9725E-05
4	3.82		0.1119	0.1047%	5671	660	8.6	4		79		1.9725E-05
5	4.04		0.0904	0.0846%	4582	782	5.9	2		79		1.9725E-05
6	4.15		0.1466	0.1373%	7435	985	7.5	2		79		1.9725E-05
7	4.27		0.1088	0.1019%	5516	932	5.9	2		79		1.9725E-05
8	4.45		0.0618	0.0578%	3132	614	5.1	2		79		1.9725E-05
9	4.54		0.1079	0.1010%	5468	1311	4.2	2		79		1.9725E-05
10	4.65		0.0318	0.0297%	1610	484	3.3	2		79		1.9725E-05
11	4.75		0.0142	0.0133%	718	210	3.4	1		79		1.9725E-05
12	4.90		0.0467	0.0437%	2368	548	4.3	2		79		1.9725E-05
13	5.15		0.8124	0.7605%	41184	6853	6.0	2		79		1.9725E-05
14	5.50		0.1124	0.1052%	5699	753	7.6	2		79		1.9725E-05
15	5.62		0.0474	0.0443%	2401	550	4.4	2		79		1.9725E-05
16	5.76		0.0611	0.0572%	3098	699	4.4	2		79		1.9725E-05
17	5.91		0.3398	0.3181%	17227	1434	12.0	2		79		1.9725E-05
18	6.14		0.1715	0.1605%	8694	1201	7.2	2		79		1.9725E-05
19	6.36		0.0474	0.0444%	2402	448	5.4	2		79		1.9725E-05
20	6.44		0.1089	0.1019%	5519	1122	4.9	2		79		1.9725E-05
21	6.56		0.2178	0.2038%	11039	2119	5.2	2		79		1.9725E-05
22	6.74		0.1128	0.1056%	5718	1460	3.9	2		79		1.9725E-05
23	6.82		0.2482	0.2324%	12583	1726	7.3	2		79		1.9725E-05
24	7.06		5.6111	5.2527%	284460	69014	4.1	3		79		1.9725E-05
25	7.26		0.3324	0.3112%	16851	2776	6.1	4		79		1.9725E-05
26	7.51		0.8630	0.8079%	43753	6235	7.0	2		79		1.9725E-05
27	7.64		0.4695	0.4395%	23799	5158	4.6	2		79		1.9725E-05
28	7.74		1.0646	0.9966%	53972	8587	6.3	2		79		1.9725E-05
29	7.88		3.9250	3.6743%	198980	32715	6.1	3		79		1.9725E-05
30	8.23		0.2379	0.2227%	12059	1841	6.5	4		79		1.9725E-05
31	8.33		0.5144	0.4816%	26080	5127	5.1	4		79		1.9725E-05
32	8.53		0.0289	0.0270%	1463	360	4.1	4		79		1.9725E-05
33	8.64		0.0575	0.0538%	2913	572	5.1	4		79		1.9725E-05
34	8.78	1242-1	2.3645	2.2135%	283666	44041	6.4	2	79	79	-.1128	8.3356E-06
35	9.03		0.5474	0.5124%	27751	5939	4.7	2		79		1.9725E-05

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	9.56		2.3295	2.1808%	118099	15440	7.6	2		79		1.9725E-05
38	9.76		10.7448	10.0586%	544719	98748	5.5	2		79		1.9725E-05
39	9.98	1242-3	2.7052	2.5324%	230472	53131	4.3	2	79	79	-.0672	1.1738E-05
40	10.15	1242-4	2.4980	2.3385%	144962	35002	4.1	2	79	79	-.0617	1.7232E-05
41	10.26		0.9671	0.9053%	49026	10538	4.7	2		79		1.9725E-05
42	10.48		3.2476	3.0402%	164641	36193	4.5	2		79		1.9725E-05
43	10.58		5.7195	5.3542%	289956	31578	9.2	2		79		1.9725E-05
44	10.93		6.1615	5.7680%	312364	39795	7.8	2		79		1.9725E-05
45	11.22		3.3861	3.1699%	171664	34356	5.0	2		79		1.9725E-05
46	11.40		1.1336	1.0612%	57470	11031	5.2	2		79		1.9725E-05
47	11.62		0.3281	0.3071%	16632	3273	5.1	2		79		1.9725E-05
48	11.72		1.8140	1.6981%	91961	26051	3.5	2		79		1.9725E-05
49	11.78		4.5332	4.2437%	229817	47495	4.8	2		79		1.9725E-05
50	11.88		4.6121	4.3175%	233815	49639	4.7	3		79		1.9725E-05
51	12.07		0.4413	0.4131%	22370	3716	6.0	4		79		1.9725E-05
52	12.29	1242-5	2.6994	2.5270%	177423	38084	4.7	2	79	79	.1311	1.5214E-05
53	12.40		1.2965	1.2137%	65729	14339	4.6	2		79		1.9725E-05
54	12.54		0.6632	0.6209%	33623	6552	5.1	3		79		1.9725E-05
55	12.67		0.0861	0.0806%	4366	804	5.4	4		79		1.9725E-05
56	12.92		0.5871	0.5496%	29762	4773	6.2	2		79		1.9725E-05
57	13.04		0.6205	0.5809%	31457	7010	4.5	2		79		1.9725E-05
58	13.15		0.4140	0.3875%	20987	4471	4.7	2		79		1.9725E-05
59	13.29		1.2384	1.1594%	62785	14228	4.4	2		79		1.9725E-05
60	13.59		0.3399	0.3182%	17230	3971	4.3	2		79		1.9725E-05
61	13.70		0.2441	0.2285%	12376	1939	6.4	2		79		1.9725E-05
62	13.91		0.9639	0.9023%	48866	9948	4.9	2		79		1.9725E-05
63	14.06		0.0242	0.0226%	1225	357	3.4	2		79		1.9725E-05
64	14.22		0.0186	0.0174%	942	273	3.5	1		79		1.9725E-05
65	14.44		0.2220	0.2078%	11253	2371	4.7	2		79		1.9725E-05
66	14.59		1.0771	1.0084%	54607	8844	6.2	2		79		1.9725E-05
67	14.81		2.0586	1.9271%	104364	20338	5.1	2		79		1.9725E-05
68	15.19		0.2396	0.2243%	12144	2151	5.6	2		79		1.9725E-05
69	15.39		0.0889	0.0832%	4507	740	6.1	2		79		1.9725E-05
70	15.68		0.7210	0.6749%	36550	3309	11.0	3		79		1.9725E-05
71	15.99		0.0274	0.0257%	1390	316	4.4	4		79		1.9725E-05
72	16.36		0.2067	0.1935%	10480	1511	6.9	2		79		1.9725E-05
73	16.58		0.0610	0.0571%	3091	570	5.4	2		79		1.9725E-05
74	16.71		0.1239	0.1160%	6281	666	9.4	2		79		1.9725E-05
75	17.14		0.3109	0.2910%	15759	2406	6.5	2		79		1.9725E-05
76	17.41		0.9530	0.8921%	48313	5327	9.1	2		79		1.9725E-05
77	17.66		0.1082	0.1013%	5486	877	6.3	1		79		1.9725E-05
78	18.10		0.0448	0.0420%	2272	184	12.4	2		79		1.9725E-05
79	18.75	MIREX	1.0000	0.0000%	482822	60685	8.0	3	79	79	0	2.0712E-06
80	19.08		0.1448	0.1355%	7340	917	8.0	4		79		1.9725E-05
81	19.30		0.0267	0.0250%	1353	210	6.4	2		79		1.9725E-05
82	19.83		0.0213	0.0199%	1078	165	6.6	1		79		1.9725E-05
83	20.57		0.0331	0.0310%	1677	212	7.9	1		79		1.9725E-05
84	21.15		0.0327	0.0306%	1659	159	10.5	2		79		1.9725E-05
85	21.60		0.0799	0.0748%	4050	374	10.8	2		79		1.9725E-05
86	23.51		0.1019	0.0954%	5165	422	12.3	1		79		1.9725E-05
87	24.03		0.2347	0.2198%	11901	950	12.5	1		79		1.9725E-05
88	24.61		0.0604	0.0566%	3064	276	11.1	1		79		1.9725E-05
89	26.38		17.8088	16.6714%	902838	68430	13.2	1		79		1.9725E-05

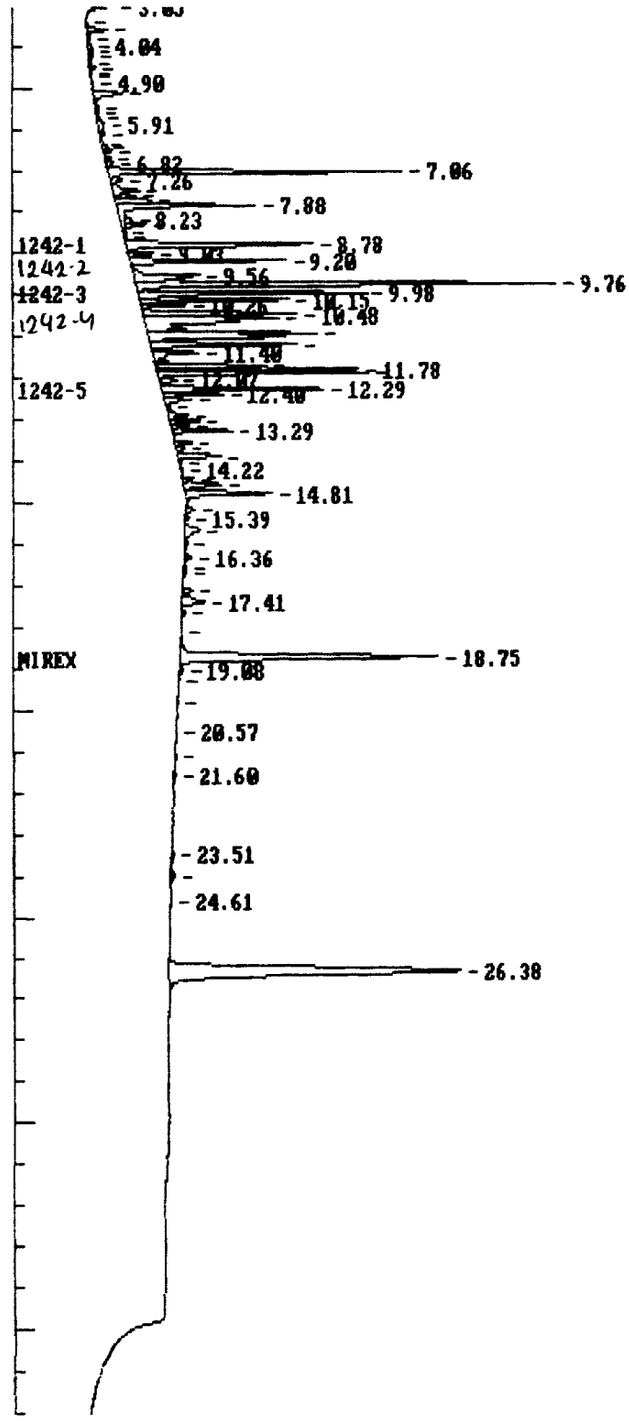
TOTAL AMOUNT = 106.8220

AU(n=5) = 2.531

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD43.PTS Printed on 05-28-1993 at 14:35:21
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

Quantitation for TCMX and DCB only

```
******     INTERNAL STANDARD TABLE     ******
******************** 05-29-1993 14:53:33 Version 4.1 **********************
* Sample Name: 93ZE33S38 PCB MSD                    Data File: J:2HOD43      *
* Date: 05-26-1993 21:20:43 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  43   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*          ~~Detector 0: DB608 QUAN~~          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                     H.O.D. LANDFILL    *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.050000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0000	0.0081%	14624	4048	3.6	1		64		1.9804E-09
2	3.63		0.0000	0.0131%	23622	4911	4.8	2		64		1.9804E-09
3	3.82		0.0000	0.0029%	5326	664	8.0	2		64		1.9804E-09
4	4.15		0.0000	0.0027%	4939	483	10.2	1		64		1.9804E-09
5	4.45		0.0000	0.0009%	1555	439	3.5	2		64		1.9804E-09
6	4.54		0.0000	0.0022%	4056	1135	3.6	2		64		1.9804E-09
7	4.90		0.0000	0.0011%	1955	514	3.8	1		64		1.9804E-09
8	5.15		0.0001	0.0222%	40166	6818	5.9	2		64		1.9804E-09
9	5.50		0.0000	0.0024%	4344	642	6.8	2		64		1.9804E-09
10	5.91		0.0000	0.0105%	18975	1400	13.6	2		64		1.9804E-09
11	6.14		0.0000	0.0047%	8569	1189	7.2	2		64		1.9804E-09
12	6.44		0.0000	0.0042%	7618	1122	6.8	2		64		1.9804E-09
13	6.56		0.0000	0.0061%	11039	2119	5.2	2		64		1.9804E-09
14	6.74		0.0000	0.0029%	5214	1370	3.8	2		64		1.9804E-09
15	6.82		0.0000	0.0058%	10514	1547	6.8	2		64		1.9804E-09
16	7.06	TCMX	0.0806	22.4864%	277545	68584	4.0	3	64	64	0	2.9031E-07
17	7.26		0.0000	0.0059%	10615	2080	5.1	4		64		1.9804E-09
18	7.51		0.0001	0.0161%	29072	5319	5.5	2		64		1.9804E-09
19	7.64		0.0000	0.0090%	16369	4099	4.0	2		64		1.9804E-09
20	7.74		0.0001	0.0246%	44545	7420	6.0	2		64		1.9804E-09
21	7.88		0.0003	0.0814%	147312	31404	4.7	2		64		1.9804E-09
22	8.23		0.0000	0.0040%	7297	1510	4.8	2		64		1.9804E-09
23	8.33		0.0000	0.0138%	24980	4988	5.0	2		64		1.9804E-09
24	8.78		0.0005	0.1529%	276701	43619	6.3	2		64		1.9804E-09
~~25~~	~~9.03~~	~~D-BHC~~	~~0.0092~~	~~2.5735%~~	~~24890~~	~~5649~~	~~4.4~~	~~2~~	~~64~~	~~64~~	~~-.1910~~	~~3.7048E-07~~
26	9.20		0.0003	0.0863%	156184	36499	4.3	2		64		1.9804E-09
27	9.56		0.0002	0.0636%	115094	15292	7.5	2		64		1.9804E-09
28	9.76		0.0011	0.2996%	542073	98576	5.5	2		64		1.9804E-09
29	9.98		0.0005	0.1262%	228273	52934	4.3	2		64		1.9804E-09
30	10.15		0.0003	0.0790%	143004	34785	4.1	2		64		1.9804E-09
31	10.26		0.0001	0.0259%	46927	10308	4.6	2		64		1.9804E-09
32	10.48		0.0003	0.0893%	161618	35937	4.5	2		64		1.9804E-09
33	10.58		0.0006	0.1570%	284028	31310	9.1	2		64		1.9804E-09
34	10.93		0.0006	0.1698%	307299	39486	7.8	2		64		1.9804E-09
35	11.22		0.0003	0.0924%	167205	34014	4.9	2		64		1.9804E-09

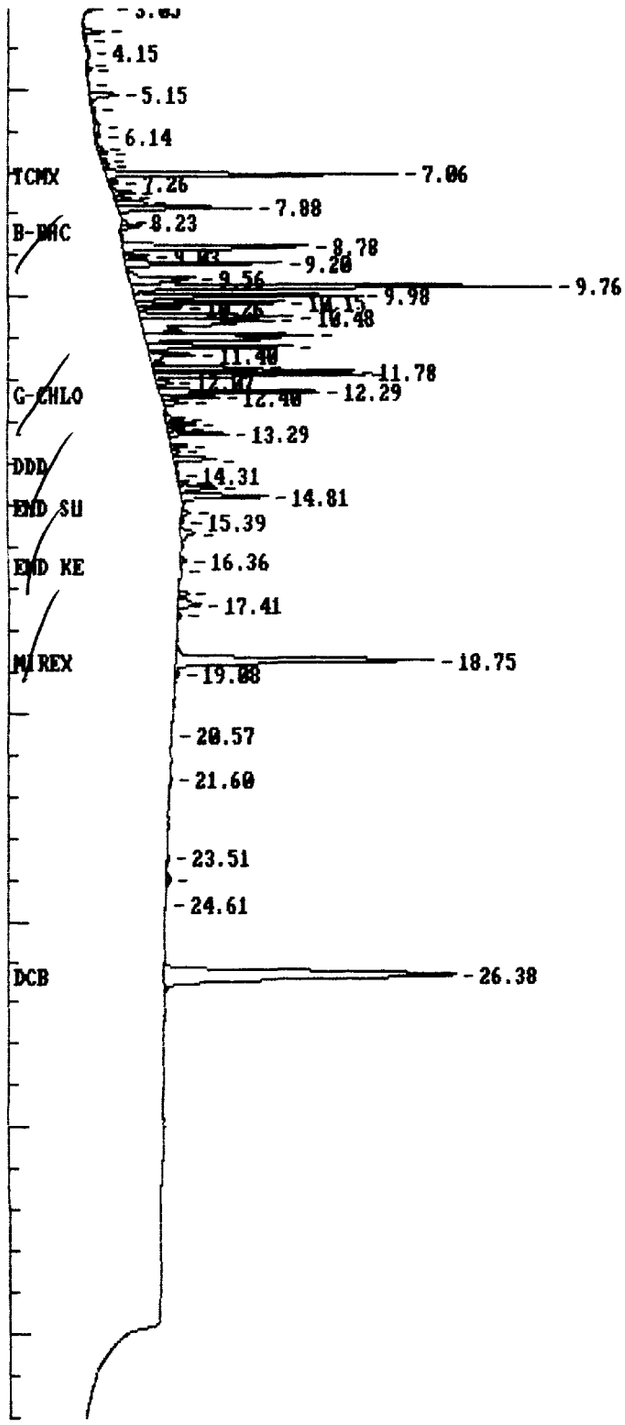
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	11.62	0.0000	0.0076%	13749	2955	4.8	2		64		1.9804E-09
38	11.72	0.0002	0.0494%	89379	25616	3.5	2		64		1.9804E-09
39	11.78	0.0004	0.1253%	226676	47047	4.8	2		64		1.9804E-09
40	11.88	0.0004	0.1241%	224540	49171	4.6	2		64		1.9804E-09
41	12.07	0.0000	0.0115%	20815	3482	6.0	2		64		1.9804E-09
42	12.29 G-CHLOR	0.0521	14.5384%	170187	37456	4.5	2	64	64	.2287	3.0610E-07
43	12.40	0.0001	0.0324%	58671	13576	4.3	2		64		1.9804E-09
44	12.54	0.0000	0.0124%	22432	5634	4.0	2		64		1.9804E-09
45	12.92	0.0000	0.0128%	23070	4397	5.2	2		64		1.9804E-09
46	13.04 DDE	0.0107	2.9921%	29147	6716	4.3	2	64	64	0	3.6782E-07
47	13.15	0.0000	0.0107%	19338	4260	4.5	2		64		1.9804E-09
48	13.29	0.0001	0.0340%	61548	14110	4.4	2		64		1.9804E-09
49	13.59	0.0000	0.0095%	17183	3966	4.3	2		64		1.9804E-09
50	13.70	0.0000	0.0068%	12237	1927	6.4	2		64		1.9804E-09
51	13.91	0.0001	0.0268%	48545	9923	4.9	2		64		1.9804E-09
52	14.31	0.0000	0.0019%	3463	332	10.4	2		64		1.9804E-09
53	14.44 END ALD	0.0053	1.4793%	12016	2446	4.9	2	64	64	0	4.4114E-07
54	14.59	0.0001	0.0306%	55297	8899	6.2	2		64		1.9804E-09
55	14.81	0.0002	0.0579%	104742	20365	5.1	2		64		1.9804E-09
56	15.19 END SULFATE	0.0063	1.7616%	12144	2151	5.6	2	64	64	.8433	5.1976E-07
57	15.39	0.0000	0.0025%	4507	740	6.1	2		64		1.9804E-09
58	15.68	0.0001	0.0181%	32791	3225	10.2	1		64		1.9804E-09
59	16.36	0.0000	0.0057%	10314	1501	6.9	1		64		1.9804E-09
60	16.58 END KETONE	0.0004	0.1098%	1105	298	3.7	1	64	64	.4818	3.5612E-07
61	17.14	0.0000	0.0087%	15759	2406	6.5	2		64		1.9804E-09
62	17.41	0.0001	0.0267%	48313	5327	9.1	2		64		1.9804E-09
63	17.66	0.0000	0.0030%	5486	877	6.3	1		64		1.9804E-09
64	18.75 MIREX	1.0000	0.0000%	480912	60641	7.9	3	64	64	0	2.0794E-06
65	19.08	0.0000	0.0038%	6920	886	7.8	4		64		1.9804E-09
66	20.57	0.0000	0.0009%	1677	212	7.9	1		64		1.9804E-09
67	21.60	0.0000	0.0013%	2397	289	8.3	1		64		1.9804E-09
68	23.51	0.0000	0.0029%	5165	422	12.3	1		64		1.9804E-09
69	24.03	0.0000	0.0066%	11901	950	12.5	1		64		1.9804E-09
70	24.61	0.0000	0.0017%	3064	276	11.1	1		64		1.9804E-09
71	26.38 DCB	0.1856	51.8079%	902838	68430	13.2	1	64	64	0	2.0562E-07

TOTAL AMOUNT = 0.3583

KM
6-01-93

SECONDARY COLUMN

Data File = J:2HOD43.PTS Printed on 05-29-1993 at 14:55:03
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-01-93

PART V

Sample Data

A. Reports and Chromatograms
   (i) Primary
   (ii) Secondary

B. Comparison Chromatograms
   (i) Primary
   (ii) Secondary

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 15:49:27 Version 4.1 **********

* Sample Name: 93ZE06R60 SF 1187 Data File: J:1HOD23 *
* Date: 05-26-1993 07:35:17 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 23 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.010000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.27		0.0000	0.1363%	7136	1159	6.2	2		34		6.1669E-09
2	3.38		0.0000	0.1367%	7160	1410	5.1	2		34		6.1669E-09
3	3.65		0.0000	0.1381%	7235	1415	5.1	2		34		6.1669E-09
4	3.90		0.0001	0.2397%	12555	2125	5.9	1		34		6.1669E-09
5	4.24		0.0001	0.2727%	14281	3615	3.9	1		34		6.1669E-09
6	4.57		0.0001	0.3176%	16633	3511	4.7	1		34		6.1669E-09
7	4.89		0.0001	0.2753%	14418	2886	5.0	2		34		6.1669E-09
8	5.17		0.0000	0.0867%	4540	1111	4.1	2		34		6.1669E-09
9	5.44		0.0001	0.2196%	11498	2779	4.1	1		34		6.1669E-09
10	6.04		0.0000	0.1252%	6555	1722	3.8	1		34		6.1669E-09
11	6.61		0.0000	0.0295%	1546	436	3.5	1		34		6.1669E-09
12	7.04		0.0011	3.2815%	171858	43898	3.9	2		34		6.1669E-09
13	7.59		0.0000	0.0928%	4859	540	9.0	2		34		6.1669E-09
14	7.79		0.0001	0.1602%	8392	675	12.4	2		34		6.1669E-09
15	8.03		0.0000	0.0467%	2448	607	4.0	2		34		6.1669E-09
16	8.23		0.0001	0.2126%	11134	2227	5.0	2		34		6.1669E-09
~~17~~	~~8.71~~	~~A-BHC~~	~~0.0012~~	~~3.7636%~~	~~1422~~	~~350~~	~~4.1~~	~~1~~	~~34~~	~~34~~	~~.4610~~	~~8.5460E-07~~
18	9.40		0.0000	0.0191%	998	243	4.1	1		34		6.1669E-09
19	10.13		0.0000	0.1180%	6180	459	13.5	2		34		6.1669E-09
~~20~~	~~10.41~~	~~HEPTACHLOR~~	~~0.0047~~	~~14.4388%~~	~~3628~~	~~584~~	~~6.2~~	~~2~~	~~34~~	~~34~~	~~.3988~~	~~1.2852E-06~~
21	10.63		0.0000	0.0573%	3001	344	8.7	2		34		6.1669E-09
22	10.85		0.0000	0.0337%	1763	222	7.9	2		34		6.1669E-09
23	10.98		0.0000	0.1064%	5575	698	8.0	2		34		6.1669E-09
~~24~~	~~11.20~~	~~ALDRIN~~	~~0.0067~~	~~20.7349%~~	~~6008~~	~~992~~	~~6.1~~	~~2~~	~~34~~	~~34~~	~~.3661~~	~~1.1146E-06~~
25	11.85		0.0000	0.0919%	4812	1098	4.4	1		34		6.1669E-09
26	12.29		0.0000	0.0231%	1207	268	4.5	1		34		6.1669E-09
27	13.05		0.0000	0.0238%	1244	190	6.6	1		34		6.1669E-09
~~28~~	~~14.39~~	~~DIELDRIN~~	~~0.0053~~	~~16.4072%~~	~~4194~~	~~393~~	~~10.7~~	~~1~~	~~34~~	~~34~~	~~.4212~~	~~1.2635E-06~~
~~29~~	~~15.41~~	~~ENDRIN~~	~~0.0062~~	~~19.1794%~~	~~3266~~	~~32~~	~~103.1~~	~~1~~	~~34~~	~~34~~	~~.4649~~	~~1.8968E-06~~
30	16.14		0.0000	0.0769%	4026	502	8.0	1		34		6.1669E-09
~~31~~	~~16.49~~	~~DDT~~	~~0.0037~~	~~11.5466%~~	~~1642~~	~~180~~	~~9.1~~	~~1~~	~~34~~	~~34~~	~~0~~	~~2.2708E-06~~
32	16.96		0.0003	1.0218%	53515	7848	6.8	1		34		6.1669E-09
33	18.81		0.0000	0.0362%	1897	241	7.9	1		34		6.1669E-09
34	21.02	MIREX	1.0000	0.0000%	160550	17418	9.2	1	34	34	0	6.2286E-06

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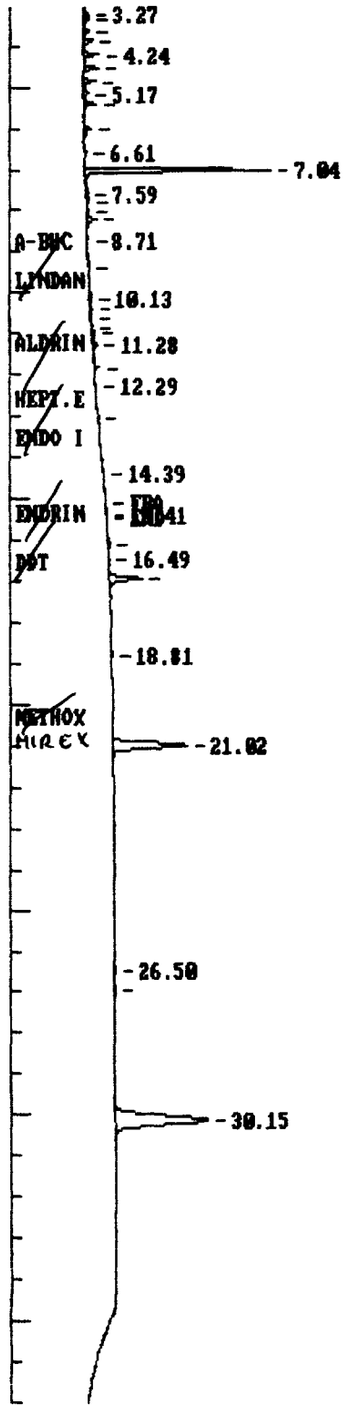
35	26.50	0.0000	[illegible]	[illegible]	[illegible]	12.5	1	34	6.1669E-09
36	27.00	0.0000	0.0450%	2358	205	11.5	1	34	6.1669E-09
37	30.15	0.0021	6.4513%	337862	21741	15.5	1	34	6.1669E-09

TOTAL AMOUNT = 0.0323

Data File = J:1HOD23.PTS Printed on 05-26-1993 at 15:50:21
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
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PRIMARY COLUMN

```
*****   EXTERNAL STANDARD TABLE   *****
******************** 05-27-1993 10:21:50 Version 4.1 **********************
* Sample Name: 93ZE06R60 SF 1187                Data File: J:1HOD23       *
* Date: 05-26-1993 07:35:17 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  23   Operator KM  Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*             Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~   *
* Misc. Information: H.O.D. LANDFILL                  ~~SCRN:~~      *   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:       500                     One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Sample Weight:          1.010000
```

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	3.27		7.0656	2.0996%	7136	1159	6.2	2			9.9010E-04
2	3.38		7.0888	2.1065%	7160	1410	5.1	2			9.9010E-04
3	3.65		7.1634	2.1287%	7235	1415	5.1	2			9.9010E-04
4	3.90		12.4308	3.6939%	12555	2125	5.9	1			9.9010E-04
5	4.24		14.1391	4.2016%	14281	3615	3.9	1			9.9010E-04
6	4.57		16.4685	4.8938%	16633	3511	4.7	1			9.9010E-04
7	4.89		14.2750	4.2419%	14418	2886	5.0	2			9.9010E-04
8	5.17		4.4949	1.3357%	4540	1111	4.1	2			9.9010E-04
9	5.44		11.3846	3.3830%	11498	2779	4.1	1			9.9010E-04
10	6.04		6.4902	1.9286%	6555	1722	3.8	1			9.9010E-04
11	6.61		1.5308	0.4549%	1546	436	3.5	1			9.9010E-04
12	7.04	TCMX	0.1108	0.0329%	171858	43898	3.9	2	12	0	6.4449E-07
13	7.59		4.8113	1.4297%	4859	540	9.0	2			9.9010E-04
14	7.79		8.3092	2.4691%	8392	675	12.4	2			9.9010E-04
15	8.03		2.4234	0.7201%	2448	607	4.0	2			9.9010E-04
16	8.23		11.0234	3.2757%	11134	2227	5.0	2			9.9010E-04
17	8.71		1.4083	0.4185%	1422	350	4.1	1			9.9010E-04
18	9.40		0.9881	0.2936%	998	243	4.1	1			9.9010E-04
19	10.13		6.1191	1.8184%	6180	459	13.5	2			9.9010E-04
20	10.41		3.5925	1.0676%	3628	584	6.2	2			9.9010E-04
~~21~~	~~10.63~~	~~D-BHC~~	~~0.0029~~	~~0.0009%~~	~~3001~~	~~344~~	~~8.7~~	~~2~~	~~21~~	~~0~~	~~9.7238E-07~~
22	10.85		1.7454	0.5187%	1763	222	7.9	2			9.9010E-04
23	10.98		5.5197	1.6402%	5575	698	8.0	2			9.9010E-04
24	11.28		5.9485	1.7676%	6008	992	6.1	2			9.9010E-04
25	11.85		4.7640	1.4157%	4812	1098	4.4	1			9.9010E-04
26	12.29		1.1955	0.3552%	1207	268	4.5	1			9.9010E-04
~~27~~	~~13.05~~	~~G-CHLORDANE~~	~~0.0010~~	~~0.0003%~~	~~1244~~	~~190~~	~~6.6~~	~~1~~	~~27~~	~~0~~	~~8.2199E-07~~
28	14.39		4.1523	1.2339%	4194	393	10.7	1			9.9010E-04
~~29~~	~~15.49~~	~~DDD~~	~~0.0223~~	~~0.0066%~~	~~11953~~	~~86~~	~~139.6~~	~~1~~	~~29~~	~~0~~	~~1.8645E-06~~
30	16.14		3.9857	1.1844%	4026	502	8.0	1			9.9010E-04
31	16.49		1.6260	0.4832%	1642	180	9.1	1			9.9010E-04
~~32~~	~~16.96~~	~~END ALDEHYDE~~	~~0.0673~~	~~0.0200%~~	~~53515~~	~~7848~~	~~6.8~~	~~1~~	~~32~~	~~0~~	~~1.2583E-06~~
33	18.81		1.8785	0.5582%	1897	241	7.9	1			9.9010E-04
34	21.02		158.9603	47.2364%	160550	17418	9.2	1			9.9010E-04
35	26.50		2.7848	0.8275%	2813	224	12.5	1			9.9010E-04
36	27.00		2.3344	0.6937%	2358	205	11.5	1			9.9010E-04
37	30.15	DCB	0.2146	0.0638%	337862	21741	15.5	1	37	0	6.3524E-07

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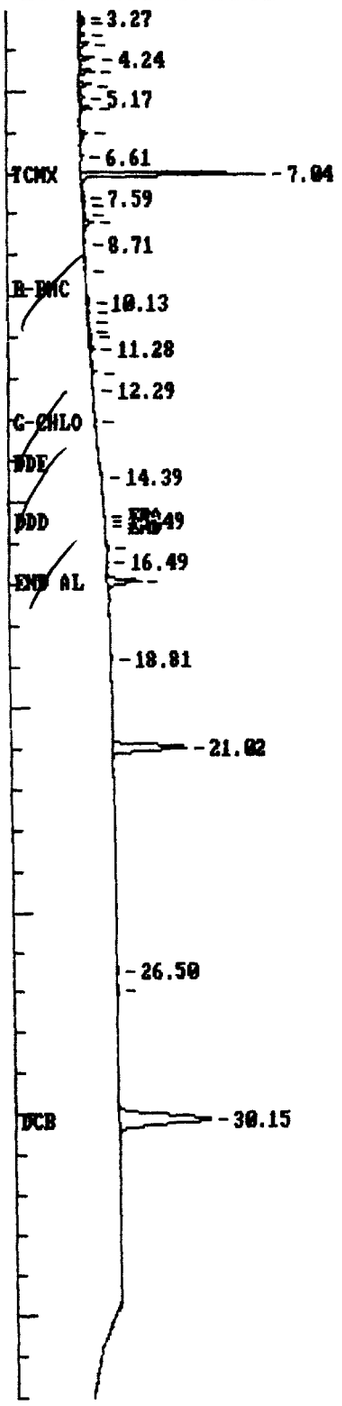
TOTAL AMOUNT = 336.5209

PRIMARY COLUMN

Data File = J:1HOD23.PTS Printed on 05-27-1993 at 10:22:39
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 09:30:33 Version 4.1 **********

* Sample Name: 93ZE06R60 SF 1187 Data File: J:2HOD24 *
* Date: 05-26-1993 08:16:43 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*
* Interface: 0 Cycle#: 24 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.010000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.1444%	18340	5152	3.6	1		49		2.0997E-09
2	3.38		0.0000	0.1176%	14933	4030	3.7	1		49		2.0997E-09
3	3.67		0.0000	0.0660%	8386	1242	6.8	2		49		2.0997E-09
4	3.99		0.0001	0.4314%	54803	11769	4.7	2		49		2.0997E-09
5	4.22		0.0000	0.1245%	15821	2694	5.9	2		49		2.0997E-09
6	4.47		0.0000	0.0804%	10215	2571	4.0	2		49		2.0997E-09
7	4.60		0.0002	0.6229%	79124	16027	4.9	2		49		2.0997E-09
8	5.17		0.0002	0.8327%	105780	22754	4.6	3		49		2.0997E-09
9	5.50		0.0000	0.0602%	7651	1119	6.8	4		49		2.0997E-09
10	5.96		0.0000	0.0612%	7774	600	13.0	2		49		2.0997E-09
11	6.12		0.0000	0.0875%	11120	1960	5.7	2		49		2.0997E-09
12	6.34		0.0000	0.1121%	14234	2529	5.6	2		49		2.0997E-09
13	6.57		0.0000	0.0907%	11521	1594	7.2	2		49		2.0997E-09
14	6.87		0.0001	0.2249%	28567	6282	4.5	1		49		2.0997E-09
15	7.09		0.0008	2.9861%	379317	99173	3.8	1		49		2.0997E-09
16	7.66		0.0000	0.0921%	11700	2648	4.4	2		49		2.0997E-09
17	7.78		0.0001	0.3124%	39685	3477	11.4	2		49		2.0997E-09
18	8.29		0.0001	0.3975%	50498	4345	11.6	2		49		2.0997E-09
19	8.53		0.0000	0.1137%	14438	2804	5.1	2		49		2.0997E-09
~~20~~	~~8.60~~	~~LINDANE~~	~~0.0032~~	~~11.9174%~~	~~8406~~	~~1014~~	~~8.3~~	~~2~~	~~49~~	~~49~~	~~.7757~~	~~3.7811E-07~~
21	9.06		0.0000	0.0161%	2041	574	3.6	2		49		2.0997E-09
22	9.20		0.0000	0.0262%	3328	774	4.3	2		49		2.0997E-09
23	9.38		0.0000	0.0598%	7592	1601	4.7	2		49		2.0997E-09
24	9.58		0.0000	0.0186%	2357	707	3.3	2		49		2.0997E-09
25	9.68		0.0000	0.0374%	4751	1268	3.7	2		49		2.0997E-09
~~26~~	~~10.10~~	~~HEPTACHLOR~~	~~0.0069~~	~~25.8543%~~	~~19800~~	~~3297~~	~~6.0~~	~~2~~	~~49~~	~~49~~	~~-.9825~~	~~3.4826E-07~~
27	10.31		0.0000	0.0504%	6406	955	6.7	2		49		2.0997E-09
28	10.48		0.0000	0.0550%	6992	1293	5.4	2		49		2.0997E-09
29	10.77		0.0000	0.0749%	9510	2247	4.2	2		49		2.0997E-09
30	10.85		0.0000	0.1248%	15850	3418	4.6	2		49		2.0997E-09
31	11.17		0.0000	0.0066%	842	258	3.3	1		49		2.0997E-09

32	11.42	0.0007	0.0084%	810	145	5.5	1		49			2.0997E-09
33	11.68 HEPT.EPOXIDE	0.0040	14.8137%	10351	1422	7.3	1	49	49	-.9906		3.8172E-07
34	11.93	0.0000	0.0088%	1114	250	4.5	1		49			2.0997E-09
35	12.13	0.0000	0.0112%	1424	313	4.6	1		49			2.0997E-09
36	12.29	0.0000	0.0094%	1188	317	3.7	1		49			2.0997E-09
37	12.89	0.0000	0.0621%	7893	1170	6.7	1		49			2.0997E-09
38	13.32 DIELDRIN	0.0009	3.3026%	2334	298	7.8	2	49	49	.2513		3.7733E-07
39	13.69	0.0000	0.0337%	4277	771	5.5	2		49			2.0997E-09
40	13.96 ENDO II	0.0022	8.4204%	5307	1032	5.1	2	49	49	-.5947		4.2318E-07
41	14.47	0.0000	0.0386%	4899	735	6.7	2		49			2.0997E-09
42	14.67	0.0000	0.1034%	13138	2278	5.8	2		49			2.0997E-09
43	14.84	0.0002	0.8338%	105919	20440	5.2	2		49			2.0997E-09
44	15.21 DDT	0.0025	9.3638%	4679	578	8.1	2	49	49	.9981		5.3376E-07
45	15.76	0.0001	0.2359%	29965	3026	9.9	1		49			2.0997E-09
46	16.68 METHOXYCHLOR	0.0025	9.3142%	2801	240	11.7	1	49	49	-.1998		8.8687E-07
47	17.46	0.0001	0.2028%	25762	3458	7.5	2		49			2.0997E-09
48	17.71	0.0000	0.0543%	6903	1069	6.5	2		49			2.0997E-09
49	18.80 MIREX	1.0000	0.0000%	471549	62114	7.6	1	49	49	0		2.1207E-06
50	24.13	0.0000	0.0755%	9591	881	10.9	1		49			2.0997E-09
51	24.73	0.0000	0.0436%	5544	446	12.4	1		49			2.0997E-09
52	26.48	0.0021	7.8657%	999149	74381	13.4	1		49			2.0997E-09

TOTAL AMOUNT = 0.0267

KM
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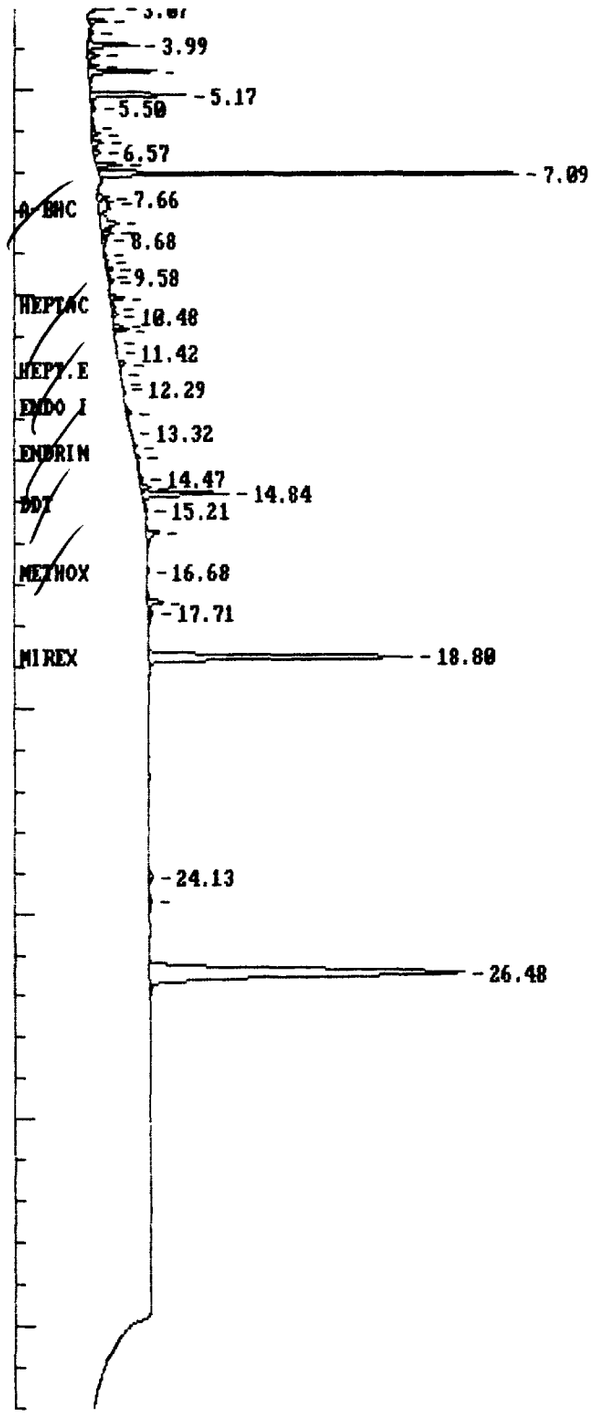
SECONDARY COLUMN

Data File = J:2HOD24.FTS Printed on 05-27-1993 at 09:31:43
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 09:42:22 Version 4.1 **********

* Sample Name: 93ZE06R60 SF 1187 Data File: J:2HOD24 *

* Date: 05-26-1993 08:16:43 Method: J:2PESTBI 05-26-1993 14:10:49 # 602*

* Interface: 0 Cycle#: 24 Operator KM Channel#: 1 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 0 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 1.010000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0110%	18340	5152	3.6	1		49		2.0997E-09
2	3.38		0.0000	0.0089%	14933	4030	3.7	1		49		2.0997E-09
3	3.67		0.0000	0.0050%	8386	1242	6.8	2		49		2.0997E-09
4	3.99		0.0001	0.0328%	54803	11769	4.7	2		49		2.0997E-09
5	4.22		0.0000	0.0095%	15821	2694	5.9	2		49		2.0997E-09
6	4.47		0.0000	0.0061%	10215	2571	4.0	2		49		2.0997E-09
7	4.60		0.0002	0.0474%	79124	16027	4.9	2		49		2.0997E-09
8	5.17		0.0002	0.0633%	105780	22754	4.6	3		49		2.0997E-09
9	5.50		0.0000	0.0046%	7651	1119	6.8	4		49		2.0997E-09
10	5.96		0.0000	0.0047%	7774	600	13.0	2		49		2.0997E-09
11	6.12		0.0000	0.0067%	11120	1960	5.7	2		49		2.0997E-09
12	6.34		0.0000	0.0085%	14234	2529	5.6	2		49		2.0997E-09
13	6.57		0.0000	0.0069%	11521	1594	7.2	2		49		2.0997E-09
14	6.87		0.0001	0.0171%	28567	6282	4.5	1		49		2.0997E-09
15	7.09	TCMX	0.1168	33.2906%	379317	99173	3.8	1	49	49	.1469	3.0780E-07
16	7.66		0.0000	0.0070%	11700	2648	4.4	2		49		2.0997E-09
17	7.78		0.0001	0.0238%	39685	3477	11.4	2		49		2.0997E-09
18	8.29		0.0001	0.0302%	50498	4345	11.6	2		49		2.0997E-09
~~19~~	~~8.53~~	~~D-BHC~~	~~0.0073~~	~~2.0898%~~	~~14438~~	~~2804~~	~~5.1~~	~~2~~	~~49~~	~~49~~	~~.8991~~	~~5.0762E-07~~
20	8.68		0.0000	0.0050%	8406	1014	8.3	2		49		2.0997E-09
~~21~~	~~9.06~~	~~D-BHC~~	~~0.0008~~	~~0.2285%~~	~~2041~~	~~574~~	~~3.6~~	~~2~~	~~49~~	~~49~~	~~0~~	~~3.9280E-07~~
22	9.20		0.0000	0.0020%	3328	774	4.3	2		49		2.0997E-09
23	9.38		0.0000	0.0045%	7592	1601	4.7	2		49		2.0997E-09
24	9.58		0.0000	0.0014%	2357	707	3.3	2		49		2.0997E-09
25	9.68		0.0000	0.0028%	4751	1268	3.7	2		49		2.0997E-09
26	10.10		0.0000	0.0119%	19800	3297	6.0	2		49		2.0997E-09
27	10.31		0.0000	0.0038%	6406	955	6.7	2		49		2.0997E-09
28	10.48		0.0000	0.0042%	6992	1293	5.4	2		49		2.0997E-09
29	10.77		0.0000	0.0057%	9510	2247	4.2	2		49		2.0997E-09
30	10.85		0.0000	0.0095%	15850	3418	4.6	2		49		2.0997E-09
31	11.17		0.0000	0.0005%	842	258	3.3	1		49		2.0997E-09
32	11.42		0.0000	0.0005%	810	146	5.5	1		49		2.0997E-09

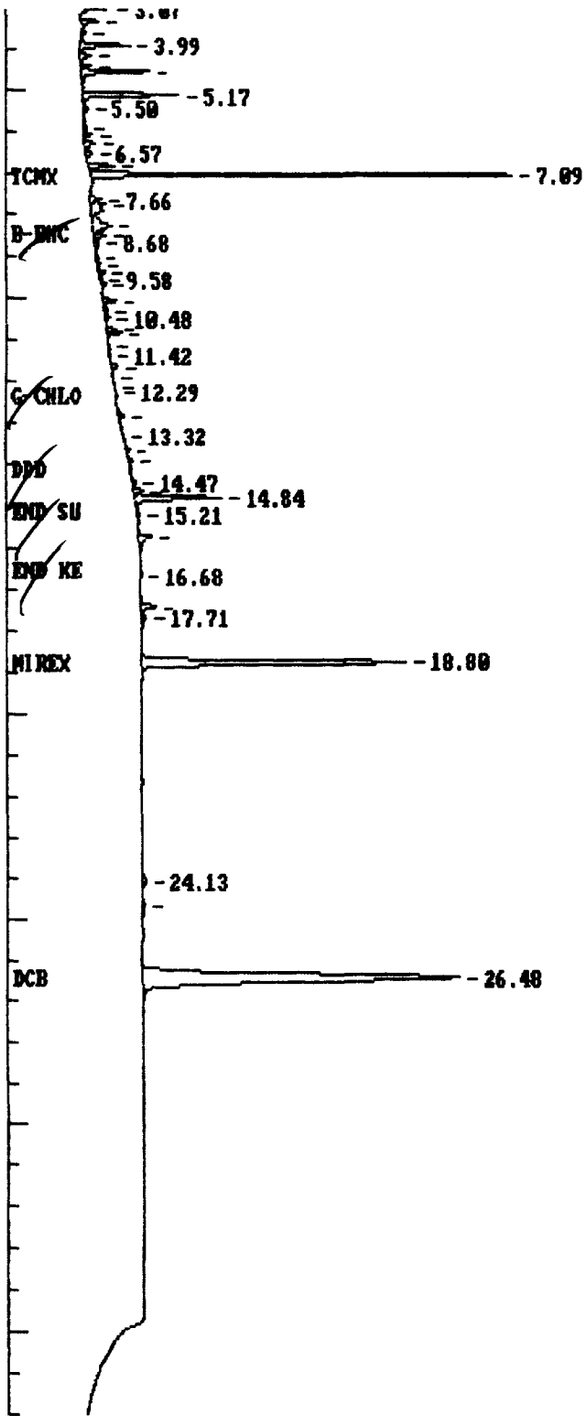
33	11.65	0.0000	[illegible]	[illegible]	1422	[illegible]	1		49		2.0997E-09
34	11.93	0.0000	0.0007%	1114	250	4.5	1		49		2.0997E-09
35	12.13	0.0000	0.0009%	1424	313	4.6	1		49		2.0997E-09
~~36~~	~~12.29 G-CHLOR~~	~~0.0004~~	~~0.1099%~~	~~1188~~	~~317~~	~~3.7~~	~~1~~	~~49~~	~~49~~	~~-.4946~~	~~3.2454E-07~~
37	12.89	0.0000	0.0047%	7893	1170	6.7	1		49		2.0997E-09
38	13.32	0.0000	0.0014%	2334	298	7.8	2		49		2.0997E-09
39	13.69	0.0000	0.0026%	4277	771	5.5	2		49		2.0997E-09
40	13.96	0.0000	0.0032%	5307	1032	5.1	2		49		2.0997E-09
~~41~~	~~14.47 END ALD~~	~~0.0023~~	~~0.6534%~~	~~4899~~	~~735~~	~~6.7~~	~~2~~	~~49~~	~~49~~	~~0~~	~~4.6771E-07~~
42	14.67	0.0000	0.0079%	13138	2278	5.8	2		49		2.0997E-09
43	14.84	0.0002	0.0634%	105919	20440	5.2	2		49		2.0997E-09
~~44~~	~~15.21 END SULFATE~~	~~0.0026~~	~~0.7352%~~	~~4679~~	~~578~~	~~8.1~~	~~2~~	~~49~~	~~49~~	~~.6851~~	~~5.5108E-07~~
45	15.76	0.0001	0.0179%	29965	3026	9.9	1		49		2.0997E-09
~~46~~	~~16.68 END KETONE~~	~~0.0011~~	~~0.3016%~~	~~2801~~	~~240~~	~~11.7~~	~~1~~	~~49~~	~~49~~	~~.8197~~	~~3.7757E-07~~
47	17.46	0.0001	0.0154%	25762	3458	7.5	2		49		2.0997E-09
48	17.71	0.0000	0.0041%	6903	1069	6.5	2		49		2.0997E-09
49	18.80 MIREX	1.0000	0.0000%	471549	62114	7.6	1	49	49	0	2.1207E-06
50	24.13	0.0000	0.0057%	9591	881	10.9	1		49		2.0997E-09
51	24.73	0.0000	0.0033%	5544	446	12.4	1		49		2.0997E-09
52	26.48 DCB	0.2178	62.1083%	999149	74381	13.4	1	49	49	.1005	2.1800E-07

TOTAL AMOUNT = 0.3507

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD24.PTS Printed on 05-27-1993 at 09:43:32
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-26-1993 15:51:08 Version 4.1 **********

* Sample Name: 93ZE06R62 SF 1187 Data File: J:1HOD24 *

* Date: 05-26-1993 08:16:43 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*

* Interface: 0 Cycle#: 24 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 1.050000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.27		0.0000	0.0993%	6586	1176	5.6	2		35		6.0492E-09
2	3.38		0.0002	0.6214%	41227	8437	4.9	2		35		6.0492E-09
3	3.65		0.0000	0.0786%	5212	1073	4.9	2		35		6.0492E-09
4	3.90		0.0001	0.1504%	9981	1443	6.9	1		35		6.0492E-09
5	4.24		0.0001	0.2036%	13504	3379	4.0	1		35		6.0492E-09
6	4.57		0.0001	0.2024%	13429	2749	4.9	1		35		6.0492E-09
7	4.89		0.0001	0.1557%	10331	2499	4.1	1		35		6.0492E-09
8	5.17		0.0000	0.0446%	2958	835	3.5	1		35		6.0492E-09
9	5.44		0.0001	0.1608%	10666	2509	4.3	2		35		6.0492E-09
10	5.59		0.0000	0.0722%	4792	1003	4.8	2		35		6.0492E-09
11	6.04		0.0000	0.0944%	6266	1525	4.1	1		35		6.0492E-09
12	6.59		0.0000	0.0254%	1684	539	3.1	1		35		6.0492E-09
13	7.04		0.0009	2.1461%	142378	37438	3.8	1		35		6.0492E-09
14	7.41		0.0000	0.0170%	1128	184	6.1	1		35		6.0492E-09
15	7.71		0.0000	0.0593%	3933	424	9.3	1		35		6.0492E-09
16	8.03		0.0000	0.0314%	2083	561	3.7	2		35		6.0492E-09
17	8.23		0.0001	0.2190%	14526	3433	4.2	2		35		6.0492E-09
~~18~~	~~8.49~~	~~A-BHC~~	~~0.0014~~	~~3.4848%~~	~~1668~~	~~405~~	~~4.1~~	~~1~~	~~35~~	~~35~~	~~.6518~~	~~8.3829E-07~~
19	8.98		0.0000	0.0189%	1255	372	3.4	1		35		6.0492E-09
20	9.40		0.0000	0.0151%	1005	213	4.7	1		35		6.0492E-09
~~21~~	~~9.65~~	~~LINDANE~~	~~0.0010~~	~~2.5236%~~	~~1034~~	~~202~~	~~5.1~~	~~1~~	~~35~~	~~35~~	~~-.4242~~	~~9.7988E-07~~
22	10.13		0.0000	0.0593%	3936	333	11.8	2		35		6.0492E-09
~~23~~	~~10.41~~	~~HEPTACHLOR~~	~~0.0039~~	~~9.7580%~~	~~3106~~	~~481~~	~~6.5~~	~~2~~	~~35~~	~~35~~	~~-.3988~~	~~1.2607E-06~~
24	10.68		0.0000	0.0506%	3356	658	5.1	2		35		6.0492E-09
25	11.05		0.0001	0.1309%	8686	1226	7.1	2		35		6.0492E-09
~~26~~	~~11.28~~	~~ALDRIN~~	~~0.0114~~	~~28.4794%~~	~~10453~~	~~2031~~	~~5.1~~	~~2~~	~~35~~	~~35~~	~~.3661~~	~~1.0934E-06~~
27	11.85		0.0000	0.0543%	3600	785	4.6	1		35		6.0492E-09
28	13.22		0.0000	0.0328%	2176	153	14.3	1		35		6.0492E-09
~~29~~	~~14.42~~	~~DIELDRIN~~	~~0.0040~~	~~9.9518%~~	~~3222~~	~~172~~	~~18.8~~	~~1~~	~~35~~	~~35~~	~~.8547~~	~~1.2394E-06~~
~~30~~	~~15.32~~	~~ENDRIN~~	~~0.0107~~	~~26.5845%~~	~~5734~~	~~-1-~~	~~5219.5~~	~~1~~	~~35~~	~~35~~	~~0~~	~~1.8606E-06~~
~~31~~	~~16.01~~	~~ENDO II~~	~~0.0010~~	~~2.5665%~~	~~798~~	~~189~~	~~4.2~~	~~1~~	~~35~~	~~35~~	~~.8675~~	~~1.2906E-06~~
~~32~~	~~16.63~~	~~DDT~~	~~0.0026~~	~~6.5512%~~	~~1180~~	~~249~~	~~4.7~~	~~1~~	~~35~~	~~35~~	~~.7299~~	~~2.2274E-06~~
33	16.94		0.0002	0.4424%	29351	4849	6.1	1		35		6.0492E-09
34	18.80		0.0000	0.0252%	1669	224	7.4	1		35		6.0492E-09

35	21.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.2	1	[illegible]	[illegible]	[illegible]	[illegible]
36	21.94	0.0000	0.0237%	1572	160	9.8	1		35		6.0492E-09
37	26.48	0.0000	0.0372%	2466	206	12.0	1		35		6.0492E-09
38	26.98	0.0000	0.0354%	2348	196	12.0	1		35		6.0492E-09
39	30.14	0.0019	4.7929%	317977	20865	15.2	1		35		6.0492E-09

TOTAL AMOUNT = 0.0401

KM
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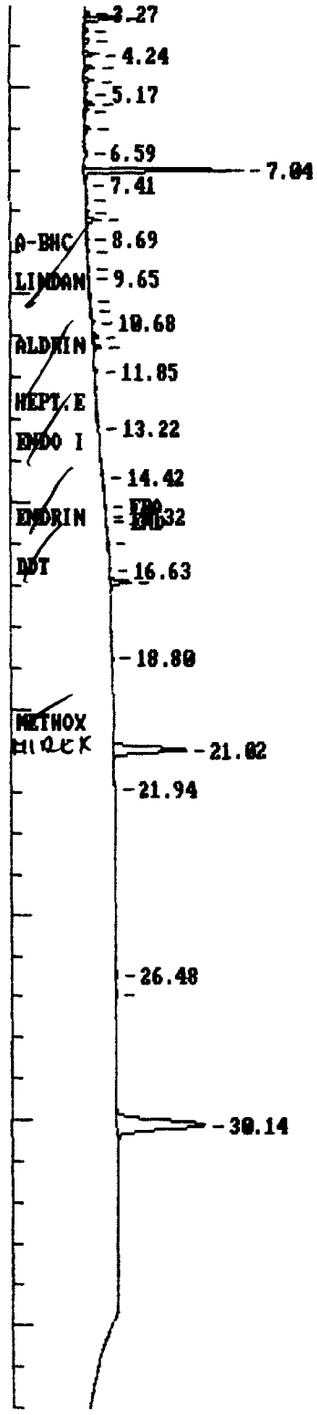
PRIMARY COLUMN

Data File = J:1HOD24.PTS Printed on 05-26-1993 at 15:52:04
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

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

********** 05-27-1993 10:23:26 Version 4.1 **********

* Sample Name: 93ZE06R62 SF 1187 Data File: J:1HOD24 *
* Date: 05-26-1993 08:16:43 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 24 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Sample Weight: 1.050000

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	3.27		6.2722	1.8653%	6586	1176	5.6	2			9.5238E-04
2	3.38		39.2641	11.6767%	41227	8437	4.9	2			9.5238E-04
3	3.65		4.9637	1.4762%	5212	1073	4.9	2			9.5238E-04
4	3.90		9.5056	2.8269%	9981	1443	6.9	1			9.5238E-04
5	4.24		12.8614	3.8248%	13504	3379	4.0	1			9.5238E-04
6	4.57		12.7893	3.8034%	13429	2749	4.9	1			9.5238E-04
7	4.89		9.8392	2.9261%	10331	2499	4.1	1			9.5238E-04
8	5.17		2.8171	0.8378%	2958	835	3.5	1			9.5238E-04
9	5.44		10.1579	3.0209%	10666	2509	4.3	2			9.5238E-04
10	5.59		4.5641	1.3573%	4792	1003	4.8	2			9.5238E-04
11	6.04		5.9676	1.7747%	6266	1525	4.1	1			9.5238E-04
12	6.59		1.6042	0.4771%	1684	539	3.1	1			9.5238E-04
13	7.04	TCMX	0.0883	0.0262%	142378	37438	3.8	1	13	0	6.1994E-07
14	7.41		1.0745	0.3196%	1128	184	6.1	1			9.5238E-04
15	7.71		3.7456	1.1139%	3933	424	9.3	1			9.5238E-04
16	8.03		1.9840	0.5900%	2083	561	3.7	2			9.5238E-04
17	8.23		13.8343	4.1142%	14526	3433	4.2	2			9.5238E-04
18	8.69		1.5889	0.4725%	1668	405	4.1	1			9.5238E-04
19	8.98		1.1952	0.3555%	1255	372	3.4	1			9.5238E-04
20	9.40		0.9571	0.2846%	1005	213	4.7	1			9.5238E-04
~~21~~	~~9.65~~	~~D-BHC~~	~~0.0011~~	~~0.0003%~~	~~1034~~	~~202~~	~~5.1~~	~~1~~	~~21~~	~~0~~	~~1.1102E-06~~
22	10.13		3.7490	1.1149%	3936	333	11.8	2			9.5238E-04
23	10.41		2.9585	0.8798%	3106	481	6.5	2			9.5238E-04
~~24~~	~~10.68~~	~~D-BHC~~	~~0.0031~~	~~0.0009%~~	~~3356~~	~~658~~	~~5.1~~	~~2~~	~~24~~	~~0~~	~~9.3534E-07~~
25	11.05		8.2727	2.4602%	8686	1226	7.1	2			9.5238E-04
26	11.28		9.9556	2.9607%	10453	2031	5.1	2			9.5238E-04
27	11.85		3.4287	1.0197%	3600	785	4.6	1			9.5238E-04
~~28~~	~~13.22~~	~~A-CHLORDANE~~	~~0.0017~~	~~0.0005%~~	~~2176~~	~~153~~	~~14.3~~	~~1~~	~~28~~	~~0~~	~~7.9296E-07~~
29	14.42		3.0690	0.9127%	3222	172	18.8	1			9.5238E-04
~~30~~	~~15.58~~	~~DDD~~	~~0.0196~~	~~0.0058%~~	~~10909~~	~~-4-28~~	~~13.8~~	~~1~~	~~30~~	~~0~~	~~1.7935E-06~~
31	16.01		0.7601	0.2260%	798	189	4.2	1			9.5238E-04
32	16.63		1.1241	0.3343%	1180	249	4.7	1			9.5238E-04
~~33~~	~~16.94~~	~~END ALDEHYDE~~	~~0.0355~~	~~0.0106%~~	~~29351~~	~~4849~~	~~6.1~~	~~1~~	~~33~~	~~0~~	~~1.2104E-06~~
34	18.80		1.5898	0.4728%	1669	224	7.4	1			9.5238E-04
35	21.02		149.9412	44.5908%	157438	17135	9.2	1			9.5238E-04
36	21.94		1.4973	0.4453%	1572	160	9.8	1			9.5238E-04

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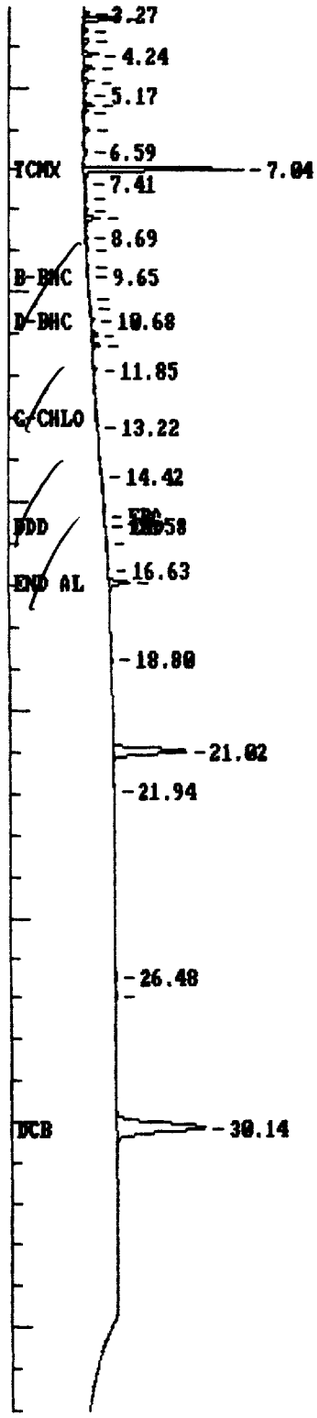
	22.48	2.3485	[illegible]	2400	[illegible]	12.0	1			[illegible]
38	26.98	2.2359	0.6649%	2348	196	12.0	1			9.5238E-04
39	30.14 DCB	0.1943	0.0578%	317977	20865	15.2	1	39	0	6.1104E-07

TOTAL AMOUNT = 336.2602

Data File = J:1HOD24.PTS Printed on 05-27-1993 at 10:24:23
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



PRIMARY COLUMN

CM
5-27-93

SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-27-1993 12:48:07 Version 4.1 **********

* Sample Name: 93ZE06R62 SF 1187 Data File: J:2HOD25 *
* Date: 05-26-1993 08:58:11 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*
* Interface: 0 Cycle#: 25 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.050000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.1298%	11754	3464	3.4	1		49		2.0411E-09
2	3.38		0.0002	1.0936%	99049	25870	3.8	1		49		2.0411E-09
3	3.65		0.0000	0.0766%	6938	1547	4.5	1		49		2.0411E-09
4	3.97		0.0001	0.5097%	46159	9854	4.7	1		49		2.0411E-09
5	4.22		0.0000	0.1342%	12153	2377	5.1	1		49		2.0411E-09
6	4.47		0.0000	0.0999%	9047	2159	4.2	2		49		2.0411E-09
7	4.60		0.0001	0.6370%	57688	13696	4.2	2		49		2.0411E-09
8	5.17		0.0002	0.9444%	85533	18737	4.6	3		49		2.0411E-09
9	5.39		0.0000	0.0556%	5033	886	5.7	4		49		2.0411E-09
10	5.50		0.0000	0.2178%	19726	3729	5.3	2		49		2.0411E-09
11	5.79		0.0000	0.0097%	876	276	3.2	1		49		2.0411E-09
12	6.12		0.0000	0.0629%	5698	917	6.2	1		49		2.0411E-09
13	6.34		0.0000	0.2338%	21178	3785	5.6	2		49		2.0411E-09
14	6.57		0.0000	0.0834%	7556	1070	7.1	2		49		2.0411E-09
15	6.86		0.0001	0.4566%	41354	8726	4.7	2		49		2.0411E-09
16	7.07		0.0007	3.5776%	324017	81890	4.0	2		49		2.0411E-09
17	7.28		0.0000	0.1044%	9454	1843	5.1	2		49		2.0411E-09
18	7.53		0.0000	0.1514%	13716	3885	3.5	1		49		2.0411E-09
19	7.76		0.0000	0.1418%	12842	2410	5.3	1		49		2.0411E-09
20	8.16		0.0000	0.0715%	6472	1116	5.8	2		49		2.0411E-09
21	8.29		0.0000	0.1463%	13251	1611	8.2	2		49		2.0411E-09
~~22~~	~~8.53~~	~~LINDANE~~	~~0.0047~~	~~25.2533%~~	~~12701~~	~~2781~~	~~4.6~~	~~2~~	~~49~~	~~49~~	~~-.9696~~	~~3.6756E-07~~
23	9.06		0.0000	0.0275%	2489	673	3.7	1		49		2.0411E-09
24	9.20		0.0000	0.0212%	1920	486	3.9	2		49		2.0411E-09
25	9.38		0.0000	0.1467%	13288	1826	7.3	2		49		2.0411E-09
26	9.68		0.0000	0.0907%	8215	1365	6.0	2		49		2.0411E-09
27	10.01		0.0000	0.1361%	12328	1824	6.8	2		49		2.0411E-09
~~28~~	~~10.10~~	~~HEPTACHLOR~~	~~0.0035~~	~~18.9800%~~	~~10364~~	~~2189~~	~~4.7~~	~~2~~	~~49~~	~~49~~	~~-.9825~~	~~3.3855E-07~~
29	10.31		0.0000	0.0858%	7770	1631	4.8	2		49		2.0411E-09
30	10.48		0.0000	0.1385%	12543	2469	5.1	2		49		2.0411E-09
31	10.77		0.0001	0.3722%	33708	5948	5.7	1		49		2.0411E-09
32	11.17		0.0000	0.0140%	1266	356	3.6	1		49		2.0411E-09
33	11.48		0.0000	0.0341%	3086	500	6.2	1		49		2.0411E-09
~~34~~	~~11.68~~	~~HEPT.EPOXIDE~~	~~0.0034~~	~~18.5945%~~	~~9264~~	~~1072~~	~~8.6~~	~~2~~	~~49~~	~~49~~	~~-.9906~~	~~3.7107E-07~~
35	11.87		0.0000	0.0147%	1300	276	[illegible]	[illegible]		49		2.0411E-09

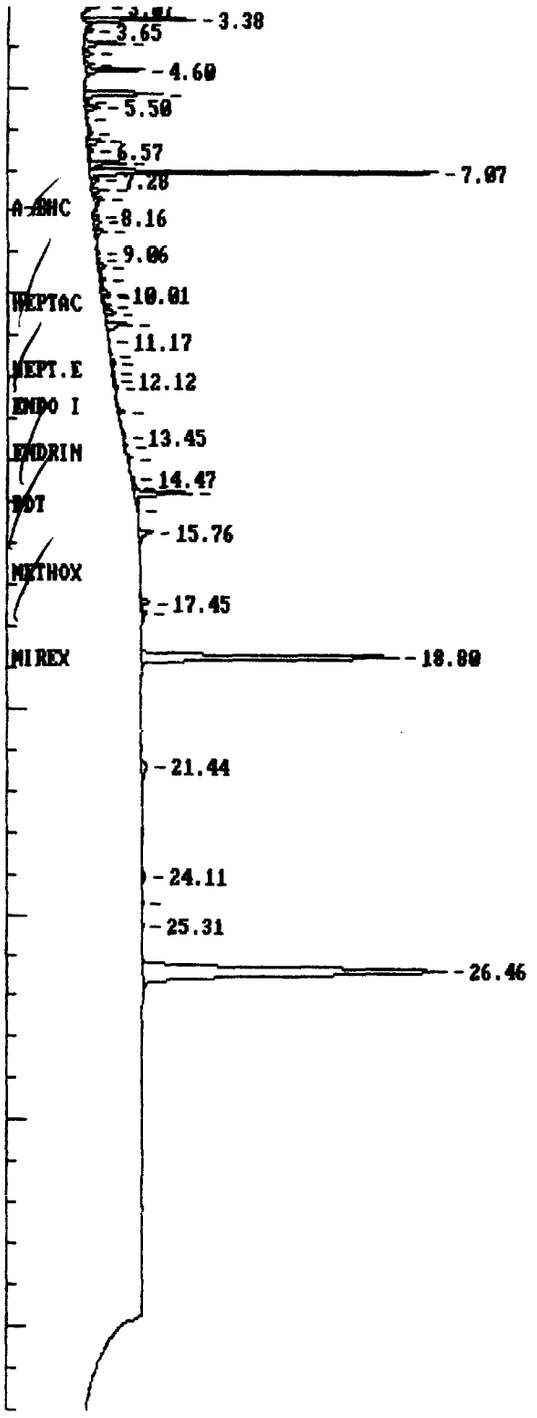
36	12.12		0.0000	0.0153%	1387	254	5.4	2		49		2.0411E-09
37	12.27		0.0000	0.0210%	1903	582	3.3	1		49		2.0411E-09
38	12.89		0.0000	0.0980%	8878	1547	5.7	1		49		2.0411E-09
39	13.45		0.0000	0.0738%	6684	428	15.6	2		49		2.0411E-09
40	13.67		0.0000	0.0376%	3409	770	4.4	2		49		2.0411E-09
~~41~~	~~13.97~~	~~ENDO II~~	~~0.0027~~	~~14.3497%~~	~~6448~~	~~1232~~	~~5.2~~	~~1~~	~~49~~	~~49~~	~~-.4758~~	~~4.1137E-07~~
42	14.47		0.0000	0.0550%	4982	770	6.5	2		49		2.0411E-09
43	14.67		0.0000	0.0723%	6546	911	7.2	2		49		2.0411E-09
44	14.82		0.0002	0.8648%	78320	13886	5.6	3		49		2.0411E-09
45	15.22		0.0000	0.0141%	1275	251	5.1	4		49		2.0411E-09
46	15.76		0.0001	0.2813%	25476	3238	7.9	1		49		2.0411E-09
47	17.45		0.0000	0.1778%	16101	2169	7.4	1		49		2.0411E-09
48	17.71		0.0000	0.0782%	7084	1165	6.1	1		49		2.0411E-09
49	18.80	MIREX	1.0000	0.0000%	466602	60527	7.7	1	49	49	0	2.1432E-06
50	21.44		0.0000	0.2382%	21574	1256	17.2	1		49		2.0411E-09
51	24.11		0.0000	0.0980%	8877	824	10.8	1		49		2.0411E-09
52	24.71		0.0000	0.0358%	3246	288	11.3	1		49		2.0411E-09
53	25.31		0.0000	0.0370%	3354	245	13.7	1		49		2.0411E-09
54	26.46		0.0020	10.6053%	960517	71652	13.4	1		49		2.0411E-09

TOTAL AMOUNT = 0.0185

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD25.PTS Printed on 05-27-1993 at 12:49:19
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 09:44:29 Version 4.1 **********

* Sample Name: 93ZE06R62 SF 1187 Data File: J:2HOD25 *
* Date: 05-26-1993 08:58:11 Method: J:2PESTBI 05-26-1993 14:10:49 # 602*
* Interface: 0 Cycle#: 25 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.050000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0076%	11754	3464	3.4	1		49		2.0411E-09
2	3.38		0.0002	0.0640%	99049	25870	3.8	1		49		2.0411E-09
3	3.65		0.0000	0.0045%	6938	1547	4.5	1		49		2.0411E-09
4	3.97		0.0001	0.0298%	46159	9854	4.7	1		49		2.0411E-09
5	4.22		0.0000	0.0079%	12153	2377	5.1	1		49		2.0411E-09
6	4.47		0.0000	0.0058%	9047	2159	4.2	2		49		2.0411E-09
7	4.60		0.0001	0.0373%	57688	13696	4.2	2		49		2.0411E-09
8	5.17		0.0002	0.0553%	85533	18737	4.6	3		49		2.0411E-09
9	5.39		0.0000	0.0033%	5033	886	5.7	4		49		2.0411E-09
10	5.50		0.0000	0.0127%	19726	3729	5.3	2		49		2.0411E-09
11	5.79		0.0000	0.0006%	876	276	3.2	1		49		2.0411E-09
12	6.12		0.0000	0.0037%	5698	917	6.2	1		49		2.0411E-09
13	6.34		0.0000	0.0137%	21178	3785	5.6	2		49		2.0411E-09
14	6.57		0.0000	0.0049%	7556	1070	7.1	2		49		2.0411E-09
15	6.86		0.0001	0.0267%	41354	8726	4.7	2		49		2.0411E-09
16	7.07	TCMX	0.0969	30.6947%	324017	81890	4.0	2	49	49	0	2.9921E-07
17	7.28		0.0000	0.0061%	9454	1843	5.1	2		49		2.0411E-09
18	7.53		0.0000	0.0089%	13716	3885	3.5	1		49		2.0411E-09
19	7.76		0.0000	0.0083%	12842	2410	5.3	1		49		2.0411E-09
20	8.16		0.0000	0.0042%	6472	1116	5.8	2		49		2.0411E-09
21	8.29		0.0000	0.0086%	13251	1611	8.2	2		49		2.0411E-09
~~22~~	~~8.53~~	~~B-BHC~~	~~0.0063~~	~~1.9843%~~	~~12701~~	~~2781~~	~~4.6~~	~~2~~	~~49~~	~~49~~	~~.8991~~	~~4.9346E-07~~
~~23~~	~~9.06~~	~~D-BHC~~	~~0.0010~~	~~0.3009%~~	~~2489~~	~~673~~	~~3.7~~	~~1~~	~~49~~	~~49~~	~~0~~	~~3.8184E-07~~
24	9.20		0.0000	0.0012%	1920	486	3.9	2		49		2.0411E-09
25	9.38		0.0000	0.0086%	13288	1826	7.3	2		49		2.0411E-09
26	9.68		0.0000	0.0053%	8215	1365	6.0	2		49		2.0411E-09
27	10.01		0.0000	0.0080%	12328	1824	6.8	2		49		2.0411E-09
28	10.10		0.0000	0.0067%	10364	2189	4.7	2		49		2.0411E-09
29	10.31		0.0000	0.0050%	7770	1631	4.8	2		49		2.0411E-09
30	10.48		0.0000	0.0081%	12543	2469	5.1	2		49		2.0411E-09
31	10.77		0.0001	0.0218%	33708	5948	5.7	1		49		2.0411E-09
32	11.17		0.0000	0.0008%	1266	356	3.6	1		49		2.0411E-09

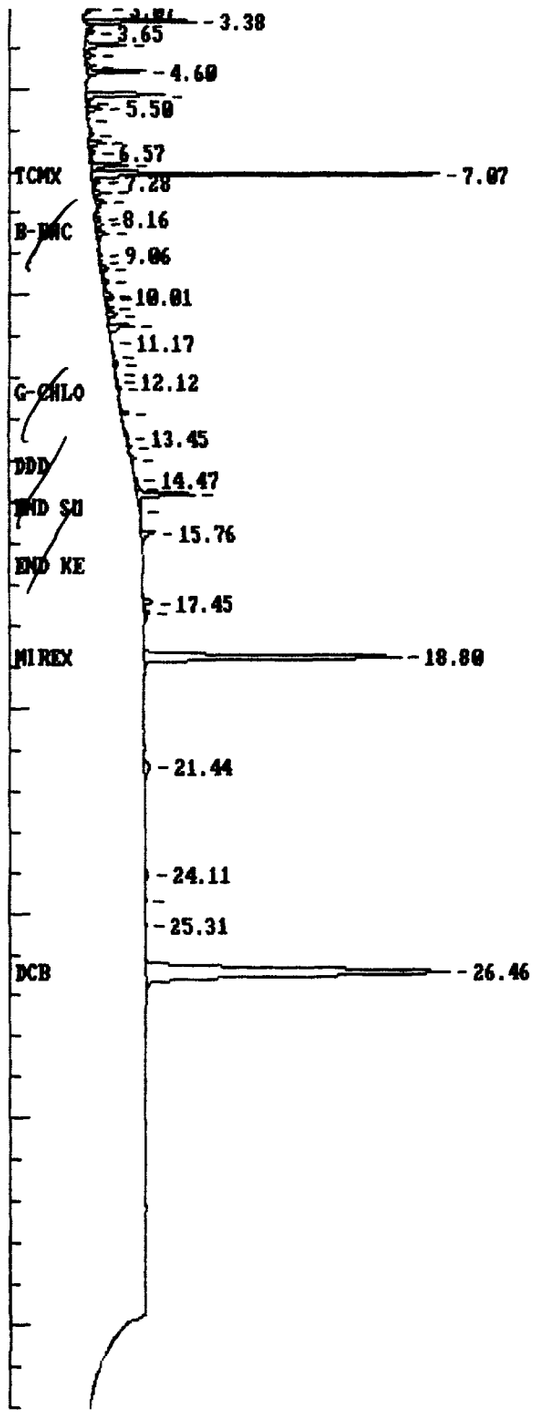
33	11.48	0.0000	0.0020%	3088	510	6.2	1		49		2.0411E-09
34	11.68	0.0000	0.0060%	9264	1072	8.6	2		49		2.0411E-09
35	11.93	0.0000	0.0008%	1299	276	4.7	2		49		2.0411E-09
36	12.12	0.0000	0.0009%	1387	259	5.4	2		49		2.0411E-09
~~37~~	~~12.27 G-CHLOR~~	~~0.0006~~	~~0.1901%~~	~~1903~~	~~582~~	~~3.3~~	~~1~~	~~49~~	~~49~~	~~.6298~~	~~3.1548E-07~~
38	12.89	0.0000	0.0057%	8878	1547	5.7	1		49		2.0411E-09
39	13.45	0.0000	0.0043%	6684	428	15.6	2		49		2.0411E-09
40	13.67	0.0000	0.0022%	3409	770	4.4	2		49		2.0411E-09
~~41~~	~~13.97 DDD~~	~~0.0030~~	~~0.9384%~~	~~6448~~	~~1232~~	~~5.2~~	~~1~~	~~49~~	~~49~~	~~-.9178~~	~~1.5965E-07~~
~~42~~	~~14.47 END ALD~~	~~0.0023~~	~~0.7171%~~	~~4982~~	~~770~~	~~6.5~~	~~2~~	~~49~~	~~49~~	~~0~~	~~4.5467E-07~~
43	14.67	0.0000	0.0042%	6546	911	7.2	2		49		2.0411E-09
44	14.82	0.0002	0.0506%	78320	13886	5.6	3		49		2.0411E-09
~~45~~	~~15.22 END SULFATE~~	~~0.0007~~	~~0.2162%~~	~~1275~~	~~251~~	~~5.1~~	~~4~~	~~49~~	~~49~~	~~.7956~~	~~5.3570E-07~~
46	15.76	0.0001	0.0165%	25476	3238	7.9	1		49		2.0411E-09
47	17.45	0.0000	0.0104%	16101	2169	7.4	1		49		2.0411E-09
48	17.71	0.0000	0.0046%	7084	1165	6.1	1		49		2.0411E-09
49	18.80 MIREX	1.0000	0.0000%	466602	60527	7.7	1	49	49	0	2.1432E-06
50	21.44	0.0000	0.0139%	21574	1256	17.2	1		49		2.0411E-09
51	24.11	0.0000	0.0057%	8877	824	10.8	1		49		2.0411E-09
52	24.71	0.0000	0.0021%	3246	288	11.3	1		49		2.0411E-09
53	25.31	0.0000	0.0022%	3354	245	13.7	1		49		2.0411E-09
54	26.46 DCB	0.2036	64.4468%	960517	71652	13.4	1	49	49	0	2.1192E-07

TOTAL AMOUNT = 0.3158

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD25.PTS Printed on 05-27-1993 at 09:45:41
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-26-1993 15:52:57 Version 4.1 **********

* Sample Name: 93ZE06R64 SF 1187 Data File: J:1HOD25 *
* Date: 05-26-1993 08:58:11 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 25 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 0.980000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.27		0.0000	0.1122%	4916	941	5.2	1		35		6.4450E-09
2	3.65		0.0000	0.1194%	5229	1321	4.0	1		35		6.4450E-09
3	3.89		0.0001	0.2476%	10847	2161	5.0	1		35		6.4450E-09
4	4.24		0.0001	0.3555%	15569	3536	4.4	2		35		6.4450E-09
5	4.42		0.0000	0.1122%	4915	963	5.1	2		35		6.4450E-09
6	4.57		0.0001	0.4295%	18812	3690	5.1	2		35		6.4450E-09
7	4.87		0.0001	0.3347%	14658	2766	5.3	2		35		6.4450E-09
8	5.17		0.0000	0.1152%	5044	1019	4.9	2		35		6.4450E-09
9	5.44		0.0001	0.2565%	11234	2699	4.2	1		35		6.4450E-09
10	6.04		0.0000	0.1686%	7387	1755	4.2	2		35		6.4450E-09
11	6.17		0.0000	0.1231%	5390	984	5.5	2		35		6.4450E-09
12	6.69		0.0000	0.1655%	7250	1206	6.0	1		35		6.4450E-09
13	7.04		0.0011	4.0298%	176505	47354	3.7	1		35		6.4450E-09
14	7.53		0.0000	0.0439%	1922	402	4.8	1		35		6.4450E-09
15	7.79		0.0000	0.0525%	2300	273	8.4	1		35		6.4450E-09
16	8.03		0.0000	0.0447%	1957	558	3.5	2		35		6.4450E-09
17	8.23		0.0000	0.1154%	5054	908	5.6	2		35		6.4450E-09
~~18~~	~~8.69~~	~~A-BHC~~	~~0.0013~~	~~4.4447%~~	~~1405~~	~~236~~	~~6.0~~	~~1~~	~~35~~	~~35~~	~~-.5729~~	~~8.9314E-07~~
19	9.21		0.0000	0.0521%	2281	292	7.8	2		35		6.4450E-09
20	9.40		0.0000	0.0428%	1874	297	6.3	2		35		6.4450E-09
~~21~~	~~9.63~~	~~LINDANE~~	~~0.0020~~	~~6.9629%~~	~~1880~~	~~371~~	~~5.1~~	~~2~~	~~35~~	~~35~~	~~-.5175~~	~~1.0440E-06~~
22	9.93		0.0000	0.0190%	834	203	4.1	1		35		6.4450E-09
~~23~~	~~10.41~~	~~HEPTACHLOR~~	~~0.0024~~	~~8.3386%~~	~~1752~~	~~339~~	~~5.2~~	~~1~~	~~35~~	~~35~~	~~-.3196~~	~~1.3432E-06~~
24	10.63		0.0000	0.0220%	964	185	5.2	1		35		6.4450E-09
25	11.03		0.0001	0.3602%	15776	2797	5.6	1		35		6.4450E-09
26	11.83		0.0000	0.1007%	4410	992	4.4	1		35		6.4450E-09
27	12.27		0.0000	0.0281%	1229	250	4.9	1		35		6.4450E-09
28	13.05		0.0000	0.0515%	2258	226	10.0	2		35		6.4450E-09
~~29~~	~~14.39~~	~~DIELDRIN~~	~~0.0010~~	~~3.4363%~~	~~735~~	~~218~~	~~3.4~~	~~2~~	~~35~~	~~35~~	~~.7012~~	~~1.3205E-06~~
~~30~~	~~15.32~~	~~ENDRIN~~	~~0.0117~~	~~41.5078%~~	~~5911~~	~~-1~~	~~5547.9~~	~~1~~	~~35~~	~~35~~	~~0~~	~~1.9823E-06~~
~~31~~	~~16.01~~	~~ENDO II~~	~~0.0011~~	~~3.9095%~~	~~803~~	~~196~~	~~4.1~~	~~1~~	~~35~~	~~35~~	~~.9477~~	~~1.3750E-06~~
~~32~~	~~16.61~~	~~DDT~~	~~0.0044~~	~~15.6132%~~	~~1857~~	~~245~~	~~7.6~~	~~1~~	~~35~~	~~35~~	~~.7087~~	~~2.3731E-06~~
33	16.94		0.0003	1.0932%	47884	7087	6.8	1		35		6.4450E-09
34	18.80		0.0000	0.0413%	1808	229	7.9	1		35		6.4450E-09

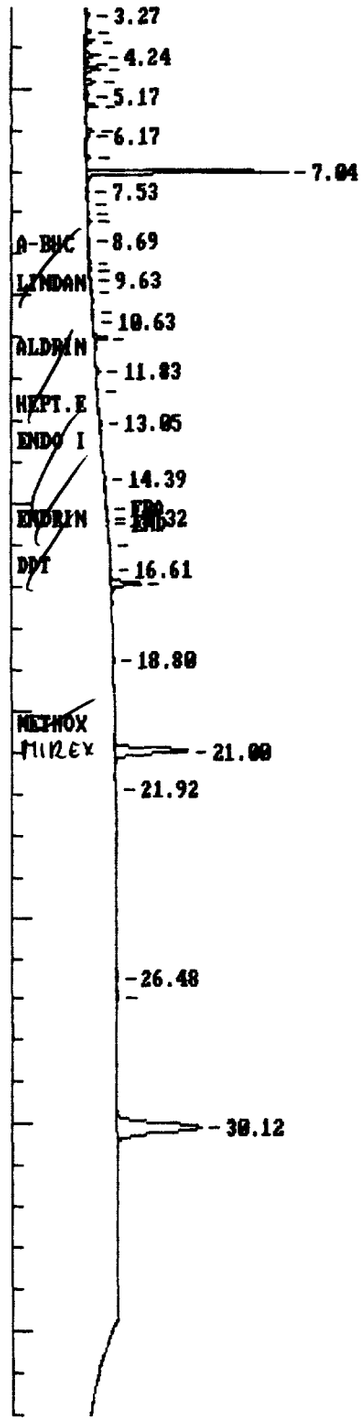
35	21.00 MIREX	1.0000	[illegible]	[illegible]	17154	[illegible]	1	[illegible]	[illegible]	[illegible]	5.3161E-06
36	21.92	0.0000	0.0429%	1878	196	9.6	1		35		6.4450E-09
37	26.48	0.0000	0.0669%	2931	225	13.0	1		35		6.4450E-09
38	26.96	0.0000	0.0504%	2209	186	11.9	1		35		6.4450E-09
39	30.12	0.0020	6.9996%	306580	19789	15.5	1		35		6.4450E-09

TOTAL AMOUNT = 0.0282

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD25.PTS Printed on 05-26-1993 at 15:53:53
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

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

********** 05-26-1993 15:42:52 Version 4.1 **********

* Sample Name: 93ZE06R64 SF 1187 Data File: J:1HOD25 *

* Date: 05-26-1993 08:58:11 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *

* Interface: 0 Cycle#: 25 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Sample Weight: 0.980000

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	3.27		5.0161	1.5132%	4916	941	5.2	1			1.0204E-03
2	3.65		5.3362	1.6097%	5229	1321	4.0	1			1.0204E-03
3	3.89		11.0680	3.3388%	10847	2161	5.0	1			1.0204E-03
4	4.24		15.8868	4.7924%	15569	3536	4.4	2			1.0204E-03
5	4.42		5.0151	1.5129%	4915	963	5.1	2			1.0204E-03
6	4.57		19.1958	5.7906%	18812	3690	5.1	2			1.0204E-03
7	4.87		14.9574	4.5121%	14658	2766	5.3	2			1.0204E-03
8	5.17		5.1470	1.5526%	5044	1019	4.9	2			1.0204E-03
9	5.44		11.4637	3.4581%	11234	2699	4.2	1			1.0204E-03
10	6.04		7.5375	2.2738%	7387	1755	4.2	2			1.0204E-03
11	6.17		5.4998	1.6591%	5390	984	5.5	2			1.0204E-03
12	6.69		7.3979	2.2317%	7250	1206	6.0	1			1.0204E-03
13	7.04	TCMX	0.1172	0.0354%	176505	47354	3.7	1	13	0	6.6422E-07
14	7.53		1.9611	0.5916%	1922	402	4.8	1			1.0204E-03
15	7.79		2.3465	0.7079%	2300	273	8.4	1			1.0204E-03
16	8.03		1.9967	0.6023%	1957	558	3.5	2			1.0204E-03
17	8.23		5.1576	1.5558%	5054	908	5.6	2			1.0204E-03
18	8.69		1.4335	0.4324%	1405	236	6.0	1			1.0204E-03
19	9.21		2.3273	0.7021%	2281	292	7.8	2			1.0204E-03
20	9.40		1.9122	0.5768%	1874	297	6.3	2			1.0204E-03
21	9.63		1.9184	0.5787%	1880	371	5.1	2			1.0204E-03
22	9.93		0.8507	0.2566%	834	203	4.1	1			1.0204E-03
23	10.41		1.7883	0.5394%	1752	338	5.2	1			1.0204E-03
~~24~~	~~10.63~~	~~D-BHC~~	~~0.0010~~	~~0.0003%~~	~~964~~	~~185~~	~~5.2~~	~~1~~	~~13~~	~~-.3131~~	~~1.0021E-06~~
25	11.03		16.0985	4.8563%	15776	2797	5.6	1			1.0204E-03
26	11.83		4.5003	1.3576%	4410	992	4.4	1			1.0204E-03
27	12.27		1.2545	0.3784%	1229	250	4.9	1			1.0204E-03
~~28~~	~~13.05~~	~~G-CHLORDANE~~	~~0.0019~~	~~0.0006%~~	~~2258~~	~~226~~	~~10.0~~	~~2~~	~~28~~	~~0~~	~~8.4715E-07~~
29	14.39		0.7496	0.2261%	735	218	3.4	2			1.0204E-03
~~30~~	~~15.49~~	~~DDD~~	~~0.0226~~	~~0.0068%~~	~~11740~~	~~97~~	~~121.4~~	~~1~~	~~30~~	~~0~~	~~1.9216E-06~~
31	16.01		0.8190	0.2471%	803	196	4.1	1			1.0204E-03
32	16.61		1.8951	0.5717%	1857	245	7.6	1			1.0204E-03
~~33~~	~~16.94~~	~~END ALDEHYDE~~	~~0.0621~~	~~0.0187%~~	~~47884~~	~~7087~~	~~6.8~~	~~1~~	~~33~~	~~0~~	~~1.2969E-06~~
34	18.80		1.8445	0.5564%	1808	229	7.9	1			1.0204E-03
35	21.00		161.5566	48.7353%	158326	17154	9.2	1			1.0204E-03

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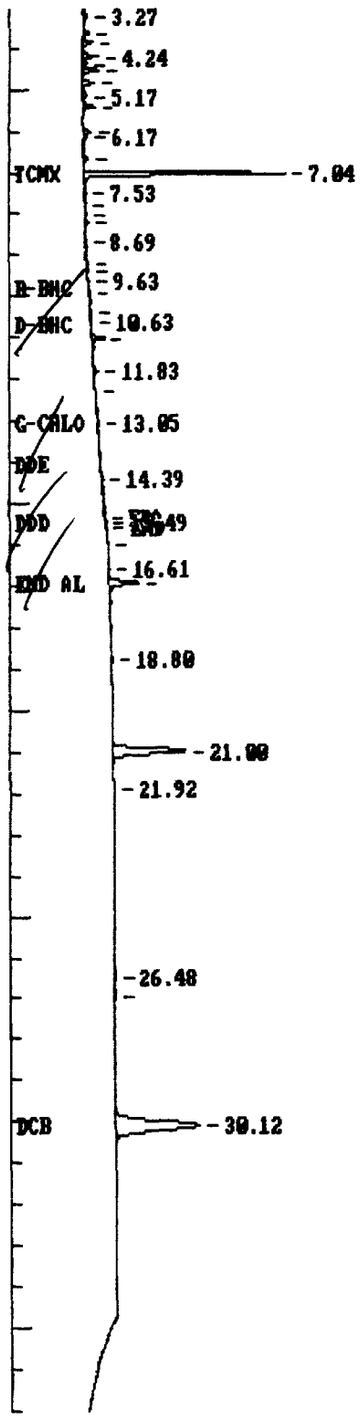
36	21.92		1.7181	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			1.0204E-03
37	26.48		2.9907	0.9022%	2931	225	13.0	1			1.0204E-03
38	26.96		2.2545	0.6801%	2209	186	11.9	1			1.0204E-03
39	30.12	DCB	0.2007	0.0605%	306580	19789	15.5	1	39	0	6.5469E-07

TOTAL AMOUNT = 331.4983

Data File = J:1HOD25.PTS Printed on 05-26-1993 at 15:43:48
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-27-1993 09:34:48 Version 4.1 **********

* Sample Name: 93ZE06R64 SF 1187 Data File: J:2HOD26 *

* Date: 05-26-1993 09:42:13 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*

* Interface: 0 Cycle#: 26 Operator KM Channel#: 1 Vial#: N.A. *

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 0.980000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.2403%	18374	5280	3.5	1		47		2.1850E-09
2	3.38		0.0000	0.0601%	4595	748	6.1	2		47		2.1850E-09
3	3.52		0.0000	0.1444%	11040	2588	4.3	2		47		2.1850E-09
4	3.65		0.0000	0.1864%	14252	2360	6.0	2		47		2.1850E-09
5	3.97		0.0001	0.6934%	53017	11810	4.5	2		47		2.1850E-09
6	4.22		0.0000	0.2166%	16564	3028	5.5	2		47		2.1850E-09
7	4.47		0.0000	0.1278%	9774	2533	3.9	2		47		2.1850E-09
8	4.60		0.0002	0.9101%	69591	14787	4.7	2		47		2.1850E-09
9	5.17		0.0002	1.3719%	104900	22800	4.6	3		47		2.1850E-09
10	5.34		0.0000	0.0996%	7618	1473	5.2	4		47		2.1850E-09
11	5.50		0.0000	0.0769%	5877	774	7.6	4		47		2.1850E-09
12	5.79		0.0000	0.0150%	1146	319	3.6	1		47		2.1850E-09
13	6.12		0.0000	0.1172%	8958	1644	5.5	1		47		2.1850E-09
14	6.57		0.0000	0.1362%	10413	1232	8.5	2		47		2.1850E-09
15	6.86		0.0001	0.3055%	23359	4655	5.0	2		47		2.1850E-09
16	7.07		0.0008	5.0321%	384770	102778	3.7	1		47		2.1850E-09
17	7.66		0.0001	0.3902%	29838	4235	7.0	1		47		2.1850E-09
18	8.16		0.0000	0.0432%	3304	826	4.0	2		47		2.1850E-09
19	8.31		0.0000	0.0612%	4680	993	4.7	2		47		2.1850E-09
20	8.53		0.0000	0.0183%	1397	422	3.3	1		47		2.1850E-09
~~21~~	~~8.68~~	~~LINDANE~~	~~0.0010~~	~~6.0365%~~	~~2563~~	~~711~~	~~3.6~~	~~1~~	~~47~~	~~47~~	~~.8653~~	~~3.9348E-07~~
22	9.06		0.0000	0.0492%	3762	720	5.2	2		47		2.1850E-09
23	9.21		0.0000	0.0312%	2385	449	5.3	2		47		2.1850E-09
24	9.38		0.0000	0.0651%	4976	1362	3.7	1		47		2.1850E-09
25	9.58		0.0000	0.0147%	1123	425	2.6	1		47		2.1850E-09
26	9.68		0.0000	0.0368%	2816	886	3.2	1		47		2.1850E-09
27	10.01		0.0000	0.0553%	4232	1134	3.7	2		47		2.1850E-09
~~28~~	~~10.10~~	~~HEPTACHLOR~~	~~0.0023~~	~~14.0176%~~	~~6462~~	~~1449~~	~~4.5~~	~~2~~	~~47~~	~~47~~	~~.8745~~	~~3.6242E-07~~
29	10.48		0.0001	0.3694%	28246	5548	5.1	2		47		2.1850E-09
30	10.83		0.0000	0.2457%	18784	3070	6.1	2		47		2.1850E-09
31	11.42		0.0000	0.0582%	4449	266	16.7	2		47		2.1850E-09
32	11.63		0.0000	0.0725%	5545	444	8.3	2		47		2.1850E-09

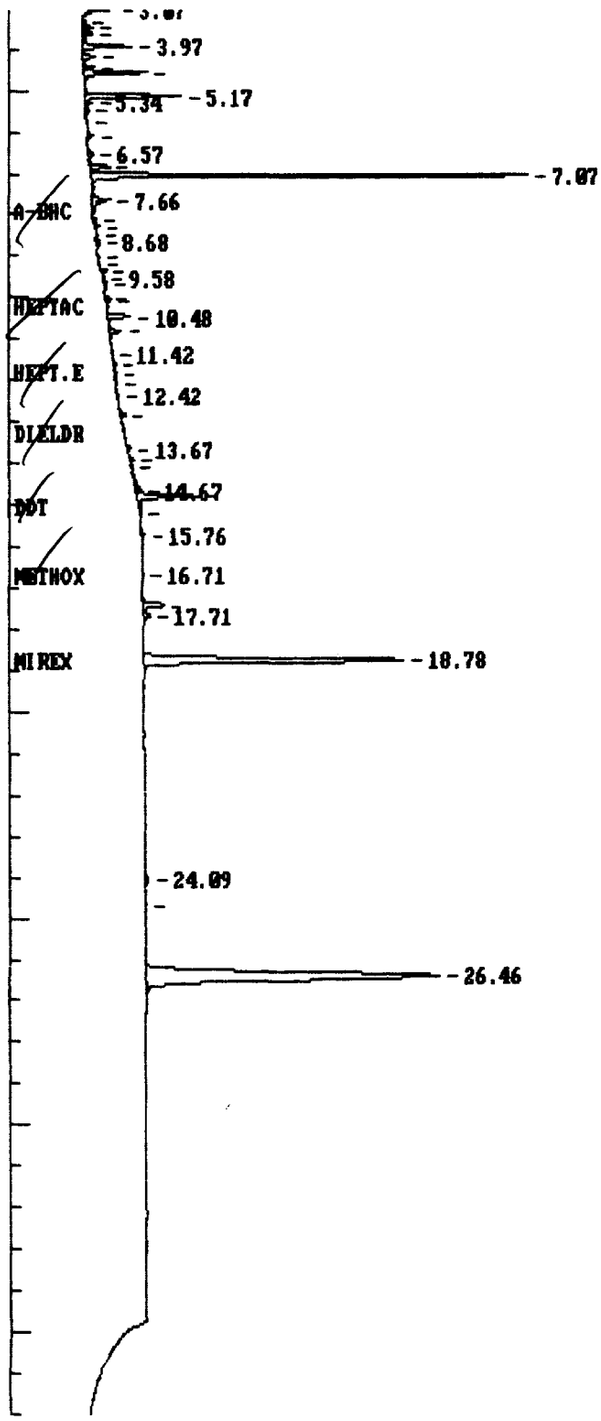
~~33~~	~~[illegible]~~	~~0.0018~~	~~[illegible]~~	~~4485~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~47~~	~~47~~	~~.6554~~	~~3.9723E-07~~
34	12.12	0.0000	0.0216%	1652	337	4.9	2		47		2.1850E-09
35	12.42	0.0000	0.0342%	2615	385	6.8	1		47		2.1850E-09
36	12.89	0.0000	0.0907%	6936	1161	6.0	1		47		2.1850E-09
37	13.67	0.0000	0.1362%	10413	1002	10.4	2		47		2.1850E-09
~~38~~	~~13.94 ENDRIN~~	~~0.0034~~	~~20.4153%~~	~~6637~~	~~1040~~	~~6.4~~	~~2~~	~~47~~	~~47~~	~~.8136~~	~~5.1392E-07~~
~~39~~	~~14.11 ENDO II~~	~~0.0015~~	~~9.0719%~~	~~3442~~	~~450~~	~~7.7~~	~~2~~	~~47~~	~~47~~	~~.5651~~	~~4.4038E-07~~
40	14.67	0.0000	0.1911%	14611	1312	11.1	2		47		2.1850E-09
41	14.82	0.0002	1.0710%	81889	14887	5.5	3		47		2.1850E-09
42	15.21	0.0000	0.0123%	937	218	4.3	4		47		2.1850E-09
43	15.76	0.0000	0.1070%	8179	924	8.9	1		47		2.1850E-09
~~44~~	~~16.71 METHOXYCHLOR~~	~~0.0023~~	~~14.0647%~~	~~2546~~	~~251~~	~~10.1~~	~~1~~	~~47~~	~~47~~	~~0~~	~~9.2293E-07~~
45	17.45	0.0001	0.4571%	34951	4836	7.2	2		47		2.1850E-09
46	17.71	0.0000	0.1410%	10778	1530	7.0	2		47		2.1850E-09
47	18.78 MIREX	1.0000	0.0000%	466999	61094	7.6	1	47	47	0	2.1413E-06
48	24.09	0.0000	0.1163%	8891	813	10.9	1		47		2.1850E-09
49	24.71	0.0000	0.0362%	2768	239	11.6	1		47		2.1850E-09
50	26.46	0.0020	12.0718%	923048	69081	13.4	1		47		2.1850E-09

TOTAL AMOUNT = 0.0167

KM
5-27-97

SECONDARY COLUMN

Data File = J:2HOD26.PTS Printed on 05-27-1993 at 09:35:55
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

```
*****     INTERNAL  STANDARD  TABLE     *****
******************** 05-27-1993 09:46:37 Version 4.1 *********************
* Sample Name: 93ZE06R64 SF 1187                    Data File: J:2HOD26     *
* Date: 05-26-1993 09:42:13 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  26   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500             *
***************************************************************************
* Instrument Type: HP 5890  #5         Column Type: DB608/DB5 MEGABORE    *
*               Solvent Description: ULTRA HIGH PURITY NITROGEN           *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN         Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL    *
***************************************************************************
Starting Delay:   3.00                     Ending retention time:   37.00
Area reject:        0                      One sample per   1.002 sec.
Amount injected:       1.00                Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:           0.980000
```

Note: "Detector 0: DB608 QUAN" is struck through on the page.

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0118%	18374	5280	3.5	1		47		2.1850E-09
2	3.38		0.0000	0.0030%	4595	748	6.1	2		47		2.1850E-09
3	3.52		0.0000	0.0071%	11040	2588	4.3	2		47		2.1850E-09
4	3.65		0.0000	0.0092%	14252	2360	6.0	2		47		2.1850E-09
5	3.97		0.0001	0.0341%	53017	11810	4.5	2		47		2.1850E-09
6	4.22		0.0000	0.0107%	16564	3028	5.5	2		47		2.1850E-09
7	4.47		0.0000	0.0063%	9774	2533	3.9	2		47		2.1850E-09
8	4.60		0.0002	0.0448%	69591	14787	4.7	2		47		2.1850E-09
9	5.17		0.0002	0.0675%	104900	22800	4.6	3		47		2.1850E-09
10	5.34		0.0000	0.0049%	7618	1473	5.2	4		47		2.1850E-09
11	5.50		0.0000	0.0038%	5877	774	7.6	4		47		2.1850E-09
12	5.79		0.0000	0.0007%	1146	319	3.6	1		47		2.1850E-09
13	6.12		0.0000	0.0058%	8958	1644	5.5	1		47		2.1850E-09
14	6.57		0.0000	0.0067%	10413	1232	8.5	2		47		2.1850E-09
15	6.86		0.0001	0.0150%	23359	4655	5.0	2		47		2.1850E-09
16	7.07	TCMX	0.1232	36.3004%	384770	102778	3.7	1	47	47	0	3.2031E-07
17	7.66		0.0001	0.0192%	29838	4235	7.0	1		47		2.1850E-09
18	8.16		0.0000	0.0021%	3304	826	4.0	2		47		2.1850E-09
19	8.31		0.0000	0.0030%	4680	993	4.7	2		47		2.1850E-09
~~20~~	~~8.53~~	~~D-BHC~~	~~0.0007~~	~~0.2173%~~	~~1397~~	~~422~~	~~3.3~~	~~1~~	~~47~~	~~47~~	~~.9888~~	~~5.2826E-07~~
21	8.68		0.0000	0.0016%	2563	711	3.6	1		47		2.1850E-09
~~22~~	~~9.06~~	~~D-BHC~~	~~0.0015~~	~~0.4530%~~	~~3762~~	~~720~~	~~5.2~~	~~2~~	~~47~~	~~47~~	~~0~~	~~4.0877E-07~~
23	9.21		0.0000	0.0015%	2385	449	5.3	2		47		2.1850E-09
24	9.38		0.0000	0.0032%	4976	1362	3.7	1		47		2.1850E-09
25	9.58		0.0000	0.0007%	1123	425	2.6	1		47		2.1850E-09
26	9.68		0.0000	0.0018%	2816	886	3.2	1		47		2.1850E-09
27	10.01		0.0000	0.0027%	4232	1134	3.7	2		47		2.1850E-09
28	10.10		0.0000	0.0042%	6462	1449	4.5	2		47		2.1850E-09
29	10.48		0.0001	0.0182%	28246	5548	5.1	2		47		2.1850E-09
30	10.83		0.0000	0.0121%	18784	3070	6.1	2		47		2.1850E-09
31	11.42		0.0000	0.0029%	4449	266	16.7	2		47		2.1850E-09
32	11.62		0.0000	0.0036%	5545	666	8.3	2		47		2.1850E-09

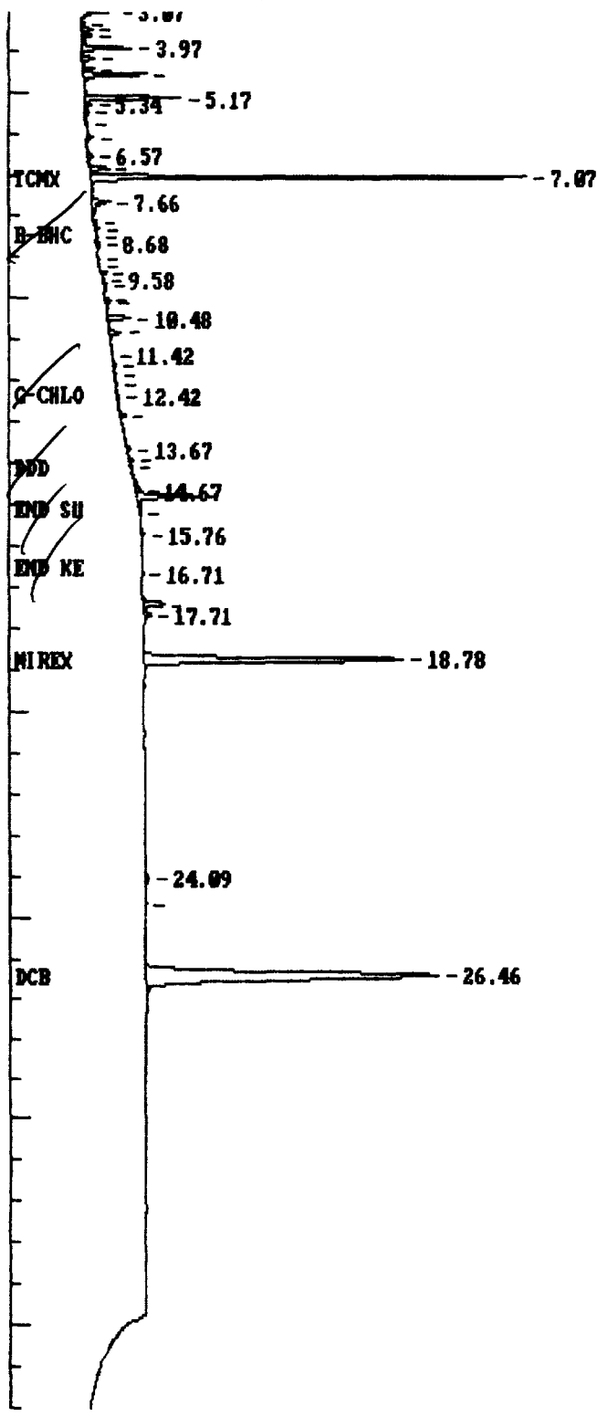
33	11.87	0.0000	[illegible]	4485	634	7.1	2		47		2.1850E-09
34	12.12	0.0000	0.0011%	1652	337	4.9	2		47		2.1850E-09
~~35~~	~~12.42 G-CHLOR~~	~~0.0009~~	~~0.2601%~~	~~2615~~	~~385~~	~~6.8~~	~~1~~	~~47~~	~~47~~	~~.6769~~	~~3.3773E-07~~
36	12.89	0.0000	0.0045%	6936	1161	6.0	1		47		2.1850E-09
37	13.67	0.0000	0.0067%	10413	1002	10.4	2		47		2.1850E-09
38	13.94	0.0000	0.0043%	6637	1040	6.4	2		47		2.1850E-09
~~39~~	~~14.11 DDD~~	~~0.0017~~	~~0.4988%~~	~~3442~~	~~450~~	~~7.7~~	~~2~~	~~47~~	~~47~~	~~.1185~~	~~4.9207E-07~~
40	14.67	0.0000	0.0094%	14611	1312	11.1	2		47		2.1850E-09
41	14.82	0.0002	0.0527%	81889	14887	5.5	3		47		2.1850E-09
~~42~~	~~15.21 END SULFATE~~	~~0.0005~~	~~0.1582%~~	~~937~~	~~218~~	~~4.3~~	~~4~~	~~47~~	~~47~~	~~.7746~~	~~5.7348E-07~~
43	15.76	0.0000	0.0053%	8179	924	8.9	1		47		2.1850E-09
44	16.71	0.0000	0.0016%	2546	251	10.1	1		47		2.1850E-09
45	17.45	0.0001	0.0225%	34951	4836	7.2	2		47		2.1850E-09
46	17.71	0.0000	0.0069%	10778	1530	7.0	2		47		2.1850E-09
47	18.78 MIREX	1.0000	0.0000%	466999	61094	7.6	1	47	47	0	2.1413E-06
48	24.09	0.0000	0.0057%	8891	813	10.9	1		47		2.1850E-09
49	24.71	0.0000	0.0018%	2768	239	11.6	1		47		2.1850E-09
50	26.46 DCB	0.2094	61.6786%	923048	69081	13.4	1	47	47	.1263	2.2687E-07

TOTAL AMOUNT = 0.3395

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD26.PTS Printed on 05-27-1993 at 09:47:44
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 10:27:46 Version 4.1 **********

* Sample Name: 93ZE33S36 SF 1187 Data File: J:1HOD26 *
* Date: 05-26-1993 09:42:14 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: Q Cycle#: 26 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 0.940000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.42		0.0000	0.0242%	1973	483	4.1	1		32		6.5195E-09
2	3.65		0.0000	0.0547%	4466	1017	4.4	1		32		6.5195E-09
3	3.89		0.0001	0.1220%	9963	2289	4.4	1		32		6.5195E-09
4	4.57		0.0001	0.2291%	18708	3895	4.8	2		32		6.5195E-09
5	4.85		0.0000	0.0926%	7563	1286	5.9	2		32		6.5195E-09
6	5.15		0.0000	0.0233%	1899	334	5.7	2		32		6.5195E-09
7	5.39		0.0001	0.2494%	20368	4373	4.7	1		32		6.5195E-09
8	6.19		0.0000	0.0411%	3360	681	4.9	1		32		6.5195E-09
9	6.41		0.0000	0.0233%	1905	500	3.8	1		32		6.5195E-09
10	7.04		0.0010	1.8491%	151001	41083	3.7	2		32		6.5195E-09
11	7.73		0.0000	0.0616%	5034	374	13.5	2		32		6.5195E-09
12	8.03		0.0000	0.0259%	2115	504	4.2	1		32		6.5195E-09
13	8.23		0.0000	0.0420%	3432	750	4.6	1		32		6.5195E-09
~~14~~	~~8.49~~	~~A-BHC~~	~~0.0007~~	~~1.3144%~~	~~775~~	~~181~~	~~4.3~~	~~1~~	~~32~~	~~32~~	~~-.5729~~	~~9.0346E-07~~
15	9.08		0.0000	0.0221%	1806	402	4.5	1		32		6.5195E-09
16	10.13		0.0000	0.0608%	4962	636	7.8	2		32		6.5195E-09
~~17~~	~~10.40~~	~~HEPTACHLOR~~	~~0.0059~~	~~11.0426%~~	~~4327~~	~~676~~	~~6.4~~	~~2~~	~~32~~	~~32~~	~~-.4795~~	~~1.3587E-06~~
18	10.63		0.0000	0.0201%	1640	408	4.0	1		32		6.5195E-09
19	11.03		0.0000	0.0602%	4915	928	5.3	2		32		6.5195E-09
~~20~~	~~11.28~~	~~ALDRIN~~	~~0.0023~~	~~4.3647%~~	~~1972~~	~~285~~	~~6.9~~	~~2~~	~~32~~	~~32~~	~~.4459~~	~~1.1784E-06~~
21	11.83		0.0000	0.0630%	5144	1363	3.8	1		32		6.5195E-09
22	12.27		0.0000	0.0182%	1484	269	5.5	2		32		6.5195E-09
23	13.14		0.0000	0.0346%	2824	162	17.5	2		32		6.5195E-09
~~24~~	~~13.44~~	~~ENDO I~~	~~0.0032~~	~~6.0127%~~	~~2531~~	~~176~~	~~14.4~~	~~1~~	~~32~~	~~32~~	~~-.3714~~	~~1.2647E-06~~
~~25~~	~~14.37~~	~~DIELDRIN~~	~~0.0036~~	~~6.8256%~~	~~2720~~	~~345~~	~~7.9~~	~~1~~	~~32~~	~~32~~	~~.5843~~	~~1.3358E-06~~
~~26~~	~~15.19~~	~~ENDRIN~~	~~0.0128~~	~~24.0362%~~	~~6382~~	~~112~~	~~57.0~~	~~1~~	~~32~~	~~32~~	~~-.8718~~	~~2.0052E-06~~
~~27~~	~~16.01~~	~~ENDO II~~	~~0.0159~~	~~29.9010%~~	~~11445~~	~~1729~~	~~6.6~~	~~1~~	~~32~~	~~32~~	~~.9477~~	~~1.3909E-06~~
~~28~~	~~16.61~~	~~DDT~~	~~0.0042~~	~~7.8909%~~	~~1750~~	~~210~~	~~8.3~~	~~1~~	~~32~~	~~32~~	~~.7087~~	~~2.4006E-06~~
29	16.94		0.0006	1.1611%	94813	13166	7.2	1		32		6.5195E-09
30	18.36		0.0000	0.0195%	1596	202	7.9	1		32		6.5195E-09
31	18.68		0.0000	0.0436%	3561	332	10.7	1		32		6.5195E-09
32	21.00	MIREX	1.0000	0.0000%	163176	17863	9.1	1	32	32	0	6.1283E-06
33	21.85		0.0001	0.2201%	17971	1552	11.6	1		32		6.5195E-09
34	25.41		0.0000	0.0417%	3404	270	12.6	1		32		6.5195E-09
35	26.45		0.0000	0.0328%	2676	209	12.8	1		32		6.5195E-09
36	26.95		0.0000	0.0314%	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]

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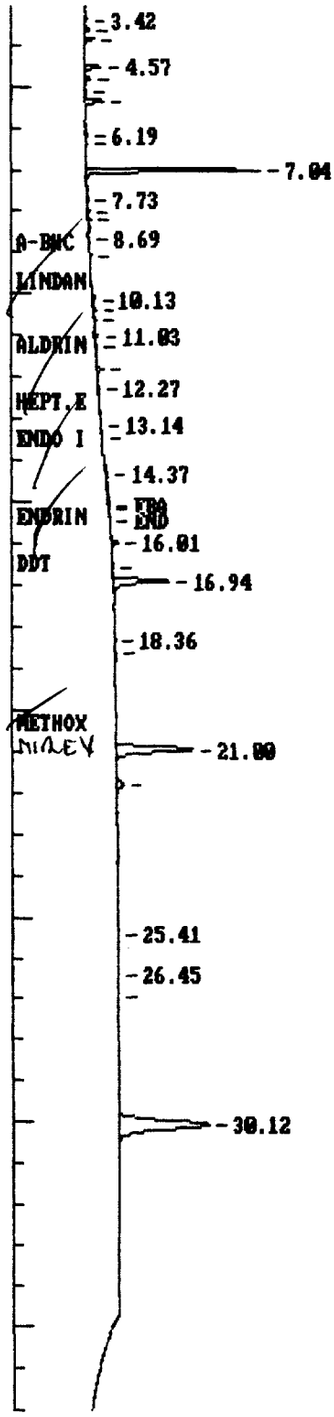
[illegible]	[illegible]	0.0021	[illegible]	[illegible]	21151	15.2 [illegible]	32	6.5195E-09

TOTAL AMOUNT = 0.0532

PRIMARY COLUMN

Data File = J:1HOD26.PTS Printed on 05-27-1993 at 10:28:36
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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PRIMARY COLUMN

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

********** 05-27-1993 10:25:10 Version 4.1 **********

* Sample Name: 93ZE33S36 SF 1187 Data File: J:1HOD26 *
* Date: 05-26-1993 09:42:14 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 26 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Sample Weight: 0.940000

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	3.42		2.0989	0.6372%	1973	483	4.1	1			1.0638E-03
2	3.65		4.7510	1.4423%	4466	1017	4.4	1			1.0638E-03
3	3.89		10.5988	3.2177%	9963	2289	4.4	1			1.0638E-03
4	4.57		19.9019	6.0420%	18708	3895	4.8	2			1.0638E-03
5	4.85		8.0453	2.4425%	7563	1286	5.9	2			1.0638E-03
6	5.15		2.0204	0.6134%	1899	334	5.7	2			1.0638E-03
7	5.39		21.6677	6.5781%	20368	4373	4.7	1			1.0638E-03
8	6.19		3.5747	1.0852%	3360	681	4.9	1			1.0638E-03
9	6.41		2.0269	0.6154%	1905	500	3.8	1			1.0638E-03
10	7.04	TCMX	0.1046	0.0317%	151001	41083	3.7	2	10	0	6.9249E-07
11	7.73		5.3552	1.6258%	5034	374	13.5	2			1.0638E-03
12	8.03		2.2502	0.6831%	2115	504	4.2	1			1.0638E-03
13	8.23		3.6514	1.1085%	3432	750	4.6	1			1.0638E-03
14	8.69		0.8240	0.2502%	775	181	4.3	1			1.0638E-03
15	9.08		1.9214	0.5833%	1806	402	4.5	1			1.0638E-03
16	10.13		5.2792	1.6027%	4962	636	7.8	2			1.0638E-03
17	10.40		4.6031	1.3974%	4327	676	6.4	2			1.0638E-03
~~18~~	~~10.63~~	~~D-BHC~~	~~0.0017~~	~~0.0005%~~	~~1640~~	~~408~~	~~4.0~~	~~1~~	~~18~~	~~0~~	~~1.0448E-06~~
19	11.03		5.2285	1.5873%	4915	928	5.3	2			1.0638E-03
20	11.28		2.0978	0.6369%	1972	285	6.9	2			1.0638E-03
21	11.83		5.4726	1.6614%	5144	1363	3.8	1			1.0638E-03
22	12.27		1.5787	0.4793%	1484	269	5.5	2			1.0638E-03
~~23~~	~~13.14~~	~~G-CHLORDANE~~	~~0.0025~~	~~0.0008%~~	~~2824~~	~~162~~	~~17.5~~	~~2~~	~~23~~	~~0~~	~~8.8320E-07~~
~~24~~	~~13.44~~	~~A-CHLORDANE~~	~~0.0022~~	~~0.0007%~~	~~2531~~	~~176~~	~~14.4~~	~~1~~	~~24~~	~~0~~	~~8.8575E-07~~
25	14.37		2.8941	0.8786%	2720	345	7.9	1			1.0638E-03
~~26~~	~~15.47~~	~~DDD~~	~~0.0280~~	~~0.0085%~~	~~13993~~	~~117~~	~~119.6~~	~~1~~	~~26~~	~~0~~	~~2.0033E-06~~
27	16.01		3.8380	1.1652%	3608	1727	2.1	1			1.0638E-03
28	16.61		1.8617	0.5652%	1750	210	8.3	1			1.0638E-03
~~29~~	~~16.94~~	~~END ALDEHYDE~~	~~0.1282~~	~~0.0389%~~	~~94813~~	~~13166~~	~~7.2~~	~~1~~	~~29~~	~~0~~	~~1.3520E-06~~
30	18.36		1.6981	0.5155%	1596	202	7.9	1			1.0638E-03
31	18.68		3.7884	1.1501%	3561	332	10.7	1			1.0638E-03
32	21.00		173.5917	52.7008%	163176	17863	9.1	1			1.0638E-03
33	21.85		19.1179	5.8040%	17971	1552	11.6	1			1.0638E-03
34	25.41		3.6216	1.0995%	3404	270	12.6	1			1.0638E-03
35	26.45		2.8472	0.8644%	2676	209	12.8	1			1.0638E-03
36	26.95		2.6979	0.8191%	2536	211	12.0	1			1.0638E-03
37	30.12	DDB	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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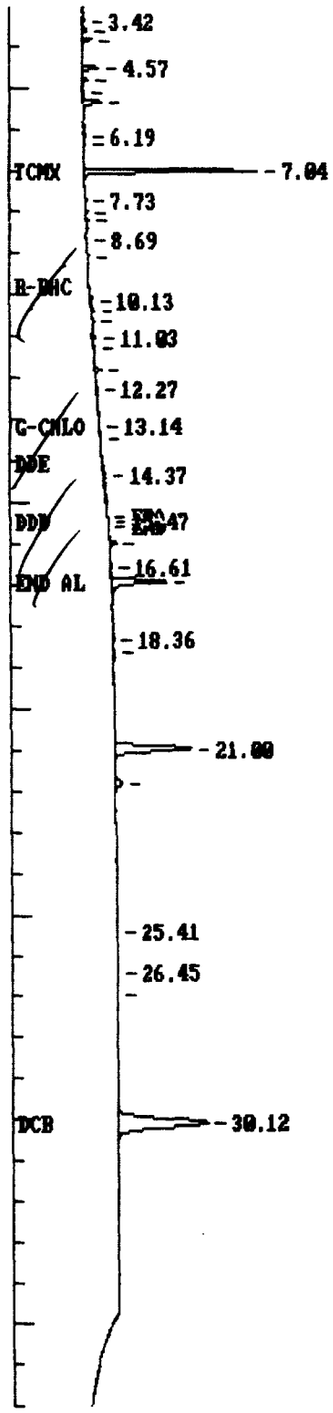
TOTAL AMOUNT = 329.3913

PRIMARY COLUMN

Data File = J:1HOD26.PTS Printed on 05-27-1993 at 10:26:04
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 09:36:52 Version 4.1 **********

* Sample Name: 93ZE33S36 SF 1187 Data File: J:2HOD27 *

* Date: 05-26-1993 10:30:13 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*

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

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 0.940000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0308%	3086	4835	0.6	1		51		2.2230E-09
2	3.65		0.0000	0.1808%	18101	4194	4.3	1		51		2.2230E-09
3	4.29		0.0000	0.0468%	4689	508	9.2	1		51		2.2230E-09
4	4.67		0.0000	0.0123%	1230	316	3.9	2		51		2.2230E-09
5	4.84		0.0000	0.1011%	10117	2420	4.2	2		51		2.2230E-09
6	5.17		0.0002	0.8695%	87032	18123	4.8	2		51		2.2230E-09
7	5.57		0.0000	0.1291%	12920	1635	7.9	2		51		2.2230E-09
8	5.89		0.0000	0.0996%	9971	1058	9.4	2		51		2.2230E-09
9	6.12		0.0002	0.7496%	75032	17481	4.3	2		51		2.2230E-09
10	6.52		0.0000	0.0646%	6461	1064	6.1	1		51		2.2230E-09
11	6.74		0.0000	0.0302%	3018	984	3.1	2		51		2.2230E-09
12	6.86		0.0000	0.1768%	17701	5037	3.5	2		51		2.2230E-09
13	7.07		0.0007	3.2230%	322605	86902	3.7	1		51		2.2230E-09
14	7.64		0.0000	0.0296%	2958	765	3.9	1		51		2.2230E-09
15	7.84		0.0000	0.1729%	17307	2820	6.1	2		51		2.2230E-09
~~16~~	~~7.98~~	~~A-BHC~~	~~0.0013~~	~~5.6428%~~	~~3514~~	~~917~~	~~3.8~~	~~2~~	~~51~~	~~51~~	~~.7215~~	~~3.5731E-07~~
17	8.26		0.0000	0.0754%	7545	1112	6.8	1		51		2.2230E-09
~~18~~	~~8.53~~	~~LINDANE~~	~~0.0009~~	~~4.0687%~~	~~2262~~	~~491~~	~~4.6~~	~~2~~	~~51~~	~~51~~	~~-.8816~~	~~4.0031E-07~~
19	8.84		0.0000	0.0431%	4310	419	10.3	2		51		2.2230E-09
20	9.05		0.0000	0.0681%	6820	855	8.0	2		51		2.2230E-09
21	9.28		0.0000	0.0287%	2869	426	6.7	2		51		2.2230E-09
22	9.66		0.0000	0.1539%	15400	2552	6.0	2		51		2.2230E-09
23	9.81		0.0000	0.0379%	3794	648	5.9	2		51		2.2230E-09
24	10.03		0.0000	0.1450%	14510	3509	4.1	2		51		2.2230E-09
~~25~~	~~10.10~~	~~HEPTACHLOR~~	~~0.0095~~	~~42.6426%~~	~~25733~~	~~4773~~	~~5.4~~	~~2~~	~~51~~	~~51~~	~~-.8945~~	~~3.6871E-07~~
26	10.33		0.0000	0.0496%	4966	770	6.4	2		51		2.2230E-09
27	10.48		0.0000	0.1376%	13775	2060	6.7	2		51		2.2230E-09
28	10.83		0.0001	0.3185%	31877	4579	7.0	2		51		2.2230E-09
29	11.20		0.0000	0.0895%	8954	1621	5.5	2		51		2.2230E-09
30	11.40		0.0000	0.0909%	9097	1276	7.1	2		51		2.2230E-09
31	11.62		0.0000	0.0430%	4300	745	5.8	1		51		2.2230E-09
32	11.93		0.0000	0.0150%	1506	337	4.5	2		51		2.2230E-09

33	12.12	0.0000	[illegible]	[illegible]	423	[illegible]	2		[illegible]		[illegible]
34	12.42	0.0000	0.0534%	5346	569	9.4	2		51		2.2230E-09
~~35~~	~~12.57 ENDO I~~	~~0.0008~~	~~3.5078%~~	~~1710~~	~~263~~	~~6.5~~	~~2~~	~~51~~	~~51~~	~~-.7026~~	~~4.5649E-07~~
36	12.87	0.0000	0.0496%	4966	840	5.9	1		51		2.2230E-09
37	13.49	0.0000	0.0662%	6629	552	12.0	2		51		2.2230E-09
38	13.67	0.0001	0.3068%	30711	6655	4.6	2		51		2.2230E-09
~~39~~	~~13.92 ENDRIN~~	~~0.0023~~	~~10.2338%~~	~~4355~~	~~688~~	~~6.3~~	~~2~~	~~51~~	~~51~~	~~.6928~~	~~5.2284E-07~~
40	14.46	0.0000	0.0775%	7762	853	9.1	2		51		2.2230E-09
41	14.66	0.0000	0.1029%	10296	1618	6.4	2		51		2.2230E-09
42	14.82	0.0002	0.7781%	77881	14346	5.4	3		51		2.2230E-09
~~43~~	~~15.07 DDT~~	~~0.0009~~	~~4.0739%~~	~~1604~~	~~418~~	~~3.8~~	~~4~~	~~51~~	~~51~~	~~.1999~~	~~5.6510E-07~~
44	15.63	0.0000	0.0620%	6209	958	6.5	2		51		2.2230E-09
45	15.76	0.0000	0.1285%	12859	1547	8.3	2		51		2.2230E-09
46	16.19	0.0000	0.0668%	6685	877	7.6	2		51		2.2230E-09
47	16.31	0.0000	0.0835%	8357	1384	6.0	2		51		2.2230E-09
~~48~~	~~16.69 METHOXYCHLOR~~	~~0.0022~~	~~9.7464%~~	~~2310~~	~~289~~	~~8.0~~	~~1~~	~~51~~	~~51~~	~~0~~	~~9.3895E-07~~
49	17.45	0.0002	1.0348%	103576	14270	7.3	2		51		2.2230E-09
50	17.71	0.0000	0.1793%	17949	1702	10.5	2		51		2.2230E-09
51	18.78 MIREX	1.0000	0.0000%	478565	62905	7.6	1	51	51	0	2.0896E-06
52	20.82	0.0000	0.0580%	5804	570	10.2	2		51		2.2230E-09
53	21.00	0.0000	0.1318%	13196	1115	11.8	2		51		2.2230E-09
54	21.62	0.0000	0.0449%	4492	323	13.9	2		51		2.2230E-09
55	22.59	0.0000	0.0496%	4969	205	24.3	1		51		2.2230E-09
56	24.09	0.0000	0.0945%	9458	837	11.3	2		51		2.2230E-09
57	24.68	0.0000	0.0608%	6082	486	12.5	2		51		2.2230E-09
58	26.45	0.0021	9.4191%	942787	70387	13.4	1		51		2.2230E-09

TOTAL AMOUNT = 0.0223

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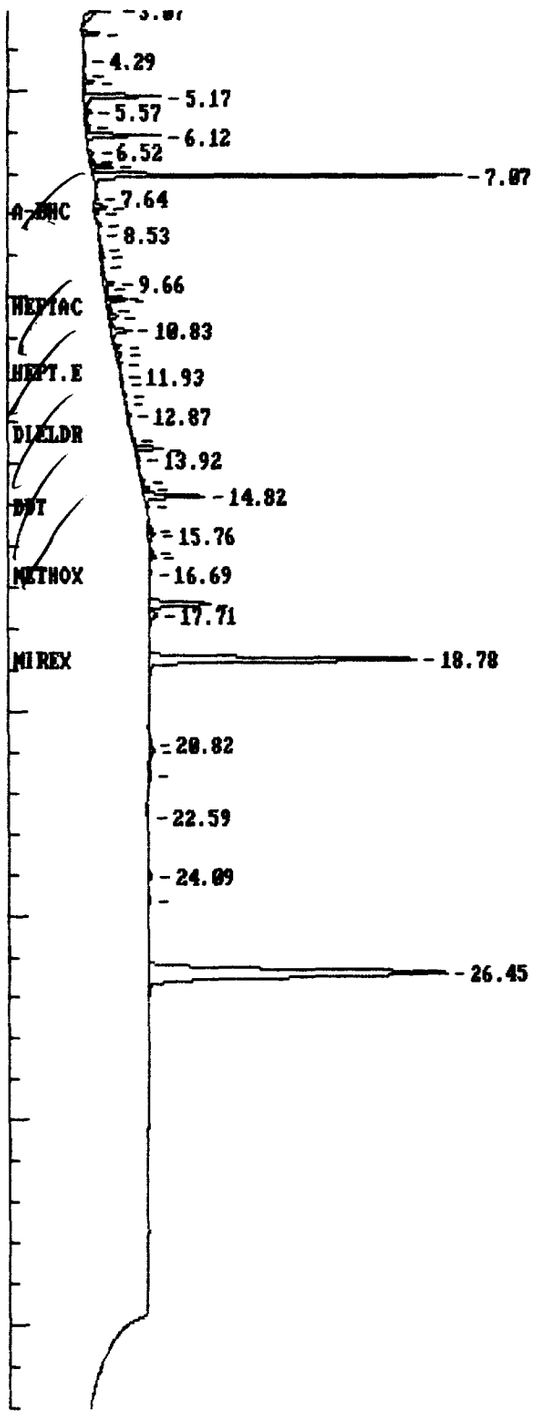
SECONDARY COLUMN

Data File = J:2HOD27.PTS Printed on 05-27-1993 at 09:38:08
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



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5-27-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 09:48:41 Version 4.1 **********

* Sample Name: 93ZE33S36 SF 1187 Data File: J:2HOD27 *

* Date: 05-26-1993 10:30:13 Method: J:2PESTBI 05-26-1993 14:10:49 # 602*

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

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 0 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 0.940000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0020%	3086	4835	0.6	1		51		2.2230E-09
2	3.65		0.0000	0.0120%	18101	4194	4.3	1		51		2.2230E-09
3	4.29		0.0000	0.0031%	4689	508	9.2	1		51		2.2230E-09
4	4.67		0.0000	0.0008%	1230	316	3.9	2		51		2.2230E-09
5	4.84		0.0000	0.0067%	10117	2420	4.2	2		51		2.2230E-09
6	5.17		0.0002	0.0577%	87032	18123	4.8	2		51		2.2230E-09
7	5.57		0.0000	0.0086%	12920	1635	7.9	2		51		2.2230E-09
8	5.89		0.0000	0.0066%	9971	1058	9.4	2		51		2.2230E-09
9	6.12		0.0002	0.0498%	75032	17481	4.3	2		51		2.2230E-09
10	6.52		0.0000	0.0043%	6461	1064	6.1	1		51		2.2230E-09
11	6.74		0.0000	0.0020%	3018	984	3.1	2		51		2.2230E-09
12	6.86		0.0000	0.0117%	17701	5037	3.5	2		51		2.2230E-09
13	7.07	TCMX	0.1051	31.3729%	322605	86902	3.7	1	51	51	0	3.2587E-07
14	7.64		0.0000	0.0020%	2958	765	3.9	1		51		2.2230E-09
15	7.84		0.0000	0.0115%	17307	2820	6.1	2		51		2.2230E-09
16	7.98		0.0000	0.0023%	3514	917	3.8	2		51		2.2230E-09
17	8.26		0.0000	0.0050%	7545	1112	6.8	1		51		2.2230E-09
~~18~~	~~8.53~~	~~D-BHC~~	~~0.0012~~	~~0.3627%~~	~~2262~~	~~491~~	~~4.6~~	~~2~~	~~51~~	~~51~~	~~.9888~~	~~5.3743E-07~~
19	8.84		0.0000	0.0029%	4310	419	10.3	2		51		2.2230E-09
~~20~~	~~9.05~~	~~D-BHC~~	~~0.0028~~	~~0.8464%~~	~~6820~~	~~855~~	~~8.0~~	~~2~~	~~51~~	~~51~~	~~-.1842~~	~~4.1586E-07~~
21	9.28		0.0000	0.0019%	2869	426	6.7	2		51		2.2230E-09
22	9.66		0.0000	0.0102%	15400	2552	6.0	2		51		2.2230E-09
23	9.81		0.0000	0.0025%	3794	648	5.9	2		51		2.2230E-09
24	10.03		0.0000	0.0096%	14510	3509	4.1	2		51		2.2230E-09
25	10.10		0.0001	0.0171%	25733	4773	5.4	2		51		2.2230E-09
26	10.33		0.0000	0.0033%	4966	770	6.4	2		51		2.2230E-09
27	10.48		0.0000	0.0091%	13775	2060	6.7	2		51		2.2230E-09
28	10.83		0.0001	0.0211%	31877	4579	7.0	2		51		2.2230E-09
29	11.20		0.0000	0.0059%	8954	1621	5.5	2		51		2.2230E-09
30	11.40		0.0000	0.0060%	9097	1276	7.1	2		51		2.2230E-09
31	11.62		0.0000	0.0029%	4300	745	5.8	1		51		2.2230E-09
32	11.93		0.0000	0.0010%	1506	337	4.5	2		51		2.2230E-09

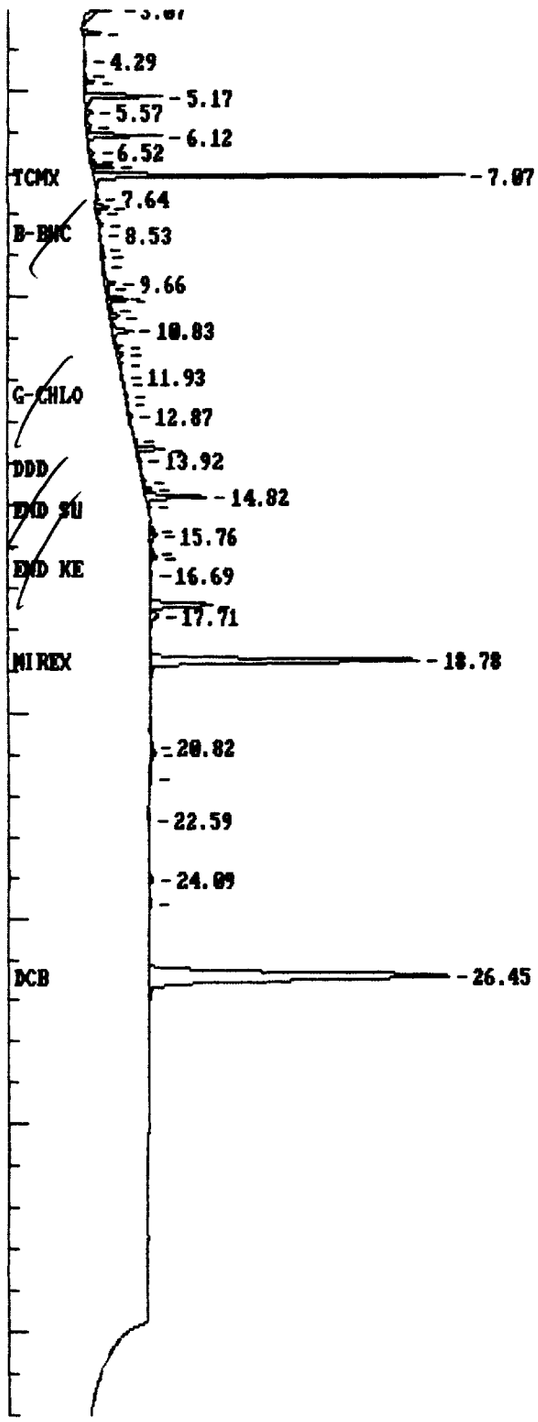
33	[illegible]	0.0000	0.0015%	[illegible]	423	5.4	[illegible]		51		[illegible]
34	12.42 G-CHLOR	0.0018	0.5481%	5346	569	9.4	2	51	51	.6769	3.4359E-07
35	12.57	0.0000	0.0011%	1710	263	6.5	2		51		2.2230E-09
36	12.87	0.0000	0.0033%	4966	840	5.9	1		51		2.2230E-09
37	13.49	0.0000	0.0044%	6629	552	12.0	2		51		2.2230E-09
38	13.67	0.0001	0.0204%	30711	6655	4.6	2		51		2.2230E-09
39	13.92	0.0000	0.0029%	4355	688	6.3	2		51		2.2230E-09
40	14.46 END ALD	0.0038	1.1470%	7762	853	9.1	2	51	51	-.1153	4.9518E-07
41	14.66	0.0000	0.0068%	10296	1618	6.4	2		51		2.2230E-09
42	14.82	0.0002	0.0517%	77881	14346	5.4	3		51		2.2230E-09
43	15.07 END SULFATE	0.0009	0.2793%	1604	418	3.8	4	51	51	-.1106	5.8343E-07
44	15.63	0.0000	0.0041%	6209	958	6.5	2		51		2.2230E-09
45	15.76	0.0000	0.0085%	12859	1547	8.3	2		51		2.2230E-09
46	16.19	0.0000	0.0044%	6685	877	7.6	2		51		2.2230E-09
47	16.31	0.0000	0.0055%	8357	1384	6.0	2		51		2.2230E-09
48	16.69	0.0000	0.0015%	2310	289	8.0	1		51		2.2230E-09
49	17.45	0.0002	0.0687%	103576	14270	7.3	2		51		2.2230E-09
50	17.71	0.0000	0.0119%	17949	1702	10.5	2		51		2.2230E-09
51	18.78 MIREX	1.0000	0.0000%	478565	62905	7.6	1	51	51	0	2.0896E-06
52	20.82	0.0000	0.0039%	5804	570	10.2	2		51		2.2230E-09
53	21.00	0.0000	0.0088%	13196	1115	11.8	2		51		2.2230E-09
54	21.62	0.0000	0.0030%	4492	323	13.9	2		51		2.2230E-09
55	22.59	0.0000	0.0033%	4969	205	24.3	1		51		2.2230E-09
56	24.09	0.0000	0.0063%	9458	837	11.3	2		51		2.2230E-09
57	24.68	0.0000	0.0040%	6082	486	12.5	2		51		2.2230E-09
58	26.45 DCB	0.2176	64.9376%	942787	70387	13.4	1	51	51	0	2.3080E-07

TOTAL AMOUNT = 0.3351

KM
5-27-97

SECONDARY COLUMN

Data File = J:2HOD27.PTS Printed on 05-27-1993 at 09:49:57
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 10:30:26 Version 4.1 **********

* Sample Name: 93ZE33S37 SF 1187 Data File: J:1HOD30 *

* Date: 05-26-1993 12:25:37 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*

* Interface: 0 Cycle#: 30 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 1.000000

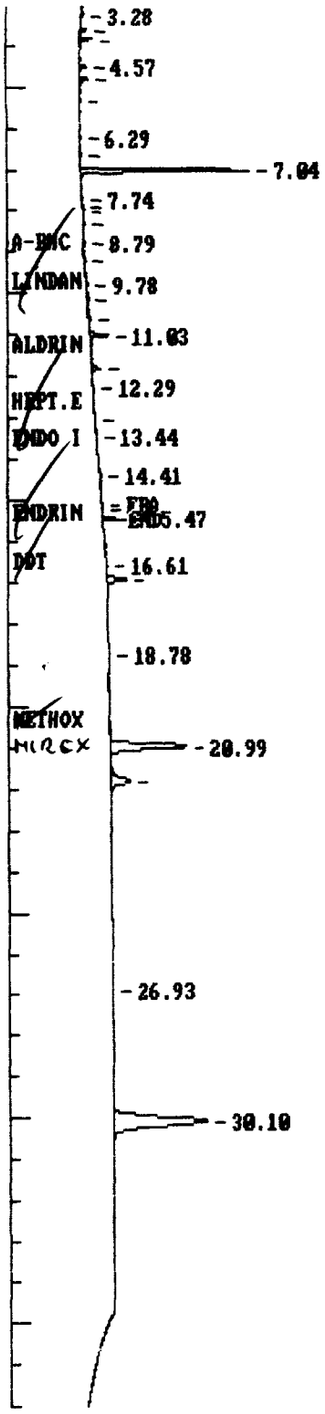
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.28		0.0000	0.0464%	1937	556	3.5	1		30		5.7856E-09
2	3.65		0.0000	0.1550%	6470	1524	4.2	1		30		5.7856E-09
3	3.89		0.0001	0.2913%	12161	2850	4.3	1		30		5.7856E-09
4	4.57		0.0000	0.1838%	7672	1610	4.8	1		30		5.7856E-09
5	4.85		0.0001	0.2225%	9290	2092	4.4	1		30		5.7856E-09
6	5.39		0.0000	0.0246%	1027	230	4.5	1		30		5.7856E-09
7	6.29		0.0000	0.0336%	1401	317	4.4	1		30		5.7856E-09
8	6.69		0.0000	0.0517%	2158	309	7.0	1		30		5.7856E-09
9	7.04		0.0008	3.4742%	145039	39826	3.6	1		30		5.7856E-09
10	7.74		0.0000	0.0399%	1667	362	4.6	1		30		5.7856E-09
11	7.89		0.0000	0.0304%	1271	311	4.1	2		30		5.7856E-09
12	8.01		0.0000	0.0468%	1953	489	4.0	2		30		5.7856E-09
13	8.33		0.0000	0.0339%	1413	346	4.1	1		30		5.7856E-09
~~14~~	~~8.79~~	~~A BHC~~	~~0.0030~~	~~12.4263%~~	~~3743~~	~~402~~	~~9.3~~	~~1~~	~~30~~	~~30~~	~~.6829~~	~~8.0176E-07~~
15	9.21		0.0000	0.0645%	2691	349	7.7	2		30		5.7856E-09
16	9.78		0.0000	0.1034%	4316	563	7.7	2		30		5.7856E-09
17	10.15		0.0000	0.1061%	4431	370	12.0	2		30		5.7856E-09
18	10.63		0.0000	0.1462%	6104	595	10.3	2		30		5.7856E-09
19	11.03		0.0001	0.4767%	19902	4310	4.6	1		30		5.7856E-09
20	11.83		0.0001	0.2582%	10779	2295	4.7	1		30		5.7856E-09
21	12.29		0.0000	0.0411%	1715	368	4.7	1		30		5.7856E-09
22	13.05		0.0000	0.0272%	1137	169	6.7	1		30		5.7856E-09
~~23~~	~~13.44~~	~~ENDO I~~	~~0.0020~~	~~8.3390%~~	~~1795~~	~~167~~	~~10.8~~	~~1~~	~~30~~	~~30~~	~~-.2921~~	~~1.1223E-06~~
~~24~~	~~14.41~~	~~DIELDRIN~~	~~0.0014~~	~~5.8421%~~	~~1190~~	~~206~~	~~5.8~~	~~1~~	~~30~~	~~30~~	~~.8983~~	~~1.1854E-06~~
~~25~~	~~15.21~~	~~ENDRIN~~	~~0.0106~~	~~43.8121%~~	~~5947~~	~~78~~	~~75.9~~	~~1~~	~~30~~	~~30~~	~~-.6938~~	~~1.7795E-06~~
26	15.47		0.0000	0.2052%	8567	5399	1.6	1		30		5.7856E-09
~~27~~	~~16.61~~	~~DDT~~	~~0.0032~~	~~13.2654%~~	~~1504~~	~~315~~	~~4.8~~	~~1~~	~~30~~	~~30~~	~~.7889~~	~~2.1303E-06~~
28	16.94		0.0002	0.7642%	31903	4643	6.9	1		30		5.7856E-09
29	18.78		0.0000	0.0431%	1800	216	8.3	1		30		5.7856E-09
30	20.99	MIREX	1.0000	0.0000%	172844	17866	9.7	1	30	30	0	5.7856E-06
31	21.84		0.0003	1.2594%	52575	4485	11.7	1		30		5.7856E-09
32	26.93		0.0000	0.0626%	2612	220	11.9	1		30		5.7856E-09
33	30.10		0.0020	8.1233%	339127	22090	15.4	1		30		5.7856E-09

TOTAL AMOUNT = 0.0242

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD30.PTS Printed on 05-27-1993 at 10:31:12
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

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

********** 05-28-1993 12:56:37 Version 4.1 **********

* Sample Name: 93ZE33S37 SF 1187 Data File: J:1HOD30 *

* Date: 05-26-1993 12:25:37 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *

* Interface: 0 Cycle#: 30 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Sample Weight: 1.000000

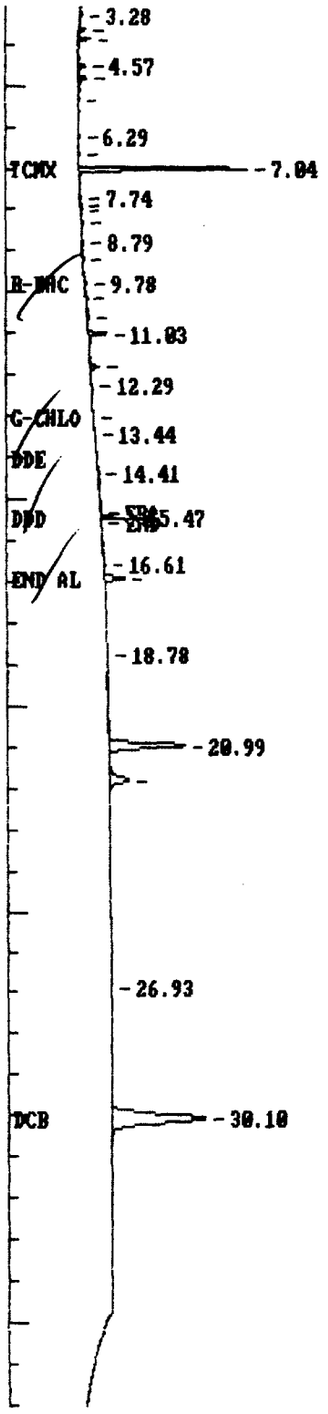
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	3.28		1.9369	0.5967%	1937	556	3.5	1			1.0000E-03
2	3.65		6.4699	1.9931%	6470	1524	4.2	1			1.0000E-03
3	3.89		12.1613	3.7464%	12161	2850	4.3	1			1.0000E-03
4	4.57		7.6723	2.3635%	7672	1610	4.8	1			1.0000E-03
5	4.85		9.2895	2.8617%	9290	2092	4.4	1			1.0000E-03
6	5.39		1.0270	0.3164%	1027	230	4.5	1			1.0000E-03
7	6.29		1.4008	0.4315%	1401	317	4.4	1			1.0000E-03
8	6.69		2.1583	0.6649%	2158	309	7.0	1			1.0000E-03
9	7.04	TCMX	0.0944	0.0291%	145039	39826	3.6	1	9	0	6.5094E-07
10	7.74		1.6673	0.5136%	1667	362	4.6	1			1.0000E-03
11	7.89		1.2705	0.3914%	1271	311	4.1	2			1.0000E-03
12	8.01		1.9534	0.6018%	1953	489	4.0	2			1.0000E-03
13	8.33		1.4133	0.4354%	1413	346	4.1	1			1.0000E-03
14	8.79		3.7435	1.1532%	3743	402	9.3	1			1.0000E-03
15	9.21		2.6914	0.8291%	2691	349	7.7	2			1.0000E-03
~~16~~	~~9.79~~	~~D-BHC~~	~~0.0050~~	~~0.0015%~~	~~4316~~	~~563~~	~~7.7~~	~~2~~	~~16~~	~~0~~	~~1.1657E-06~~
17	10.15		4.4307	1.3649%	4431	370	12.0	2			1.0000E-03
~~18~~	~~10.63~~	~~D-BHC~~	~~0.0060~~	~~0.0018%~~	~~6104~~	~~595~~	~~10.3~~	~~2~~	~~18~~	~~0~~	~~9.8210E-07~~
19	11.03		19.9017	6.1308%	19902	4310	4.6	1			1.0000E-03
20	11.83		10.7785	3.3204%	10779	2295	4.7	1			1.0000E-03
21	12.29		1.7149	0.5283%	1715	368	4.7	1			1.0000E-03
~~22~~	~~13.05~~	~~G-CHLORDANE~~	~~0.0009~~	~~0.0003%~~	~~1137~~	~~169~~	~~6.7~~	~~1~~	~~22~~	~~0~~	~~8.3021E-07~~
~~23~~	~~13.44~~	~~A-CHLORDANE~~	~~0.0015~~	~~0.0005%~~	~~1795~~	~~167~~	~~10.8~~	~~1~~	~~23~~	~~0~~	~~8.3261E-07~~
24	14.41		1.1904	0.3667%	1190	206	5.8	1			1.0000E-03
~~25~~	~~15.47~~	~~DDD~~	~~0.0447~~	~~0.0138%~~	~~23718~~	~~5464~~	~~4.3~~	~~1~~	~~25~~	~~0~~	~~1.8831E-06~~
26	16.61		1.5040	0.4633%	1504	315	4.8	1			1.0000E-03
~~27~~	~~16.94~~	~~END ALDEHYDE~~	~~0.0405~~	~~0.0125%~~	~~31903~~	~~4643~~	~~6.9~~	~~1~~	~~27~~	~~0~~	~~1.2709E-06~~
28	18.78		1.7996	0.5544%	1800	216	8.3	1			1.0000E-03
29	20.99		172.8435	53.2455%	172844	17866	9.7	1			1.0000E-03
30	21.84		52.5749	16.1960%	52575	4485	11.7	1			1.0000E-03
31	26.93		2.6117	0.8046%	2612	220	11.9	1			1.0000E-03
32	30.10	DCB	0.2176	0.0670%	339127	22090	15.4	1	32	0	6.4160E-07

TOTAL AMOUNT = 324.6161

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD30.PTS Printed on 05-28-1993 at 12:57:22
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

```
******    INTERNAL STANDARD TABLE    ******
******************** 05-27-1993 09:50:53 Version 4.1 **********************
* Sample Name: 93ZE33S37 SF 1187                Data File: J:2HOD31        *
* Date: 05-26-1993 13:07:08 Method: J:2PESTAI  05-26-1993 09:29:45  #  318*
* Interface: 0   Cycle#:  31   Operator KM  Channel#: 1    Vial#: N.A.     *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                  H.O.D. LANDFILL    *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:   37.00
Area reject:       500                     One sample per   1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0001	0.7906%	29097	7845	3.7	1		35		2.1075E-09
2	3.65		0.0001	0.7745%	28502	6984	4.1	1		35		2.1075E-09
3	4.29		0.0000	0.1156%	4254	473	9.0	1		35		2.1075E-09
4	4.65		0.0000	0.0353%	1301	398	3.3	1		35		2.1075E-09
5	5.17		0.0001	0.9705%	35716	7585	4.7	2		35		2.1075E-09
6	5.52		0.0000	0.1373%	5052	560	9.0	2		35		2.1075E-09
7	5.84		0.0000	0.1525%	5612	499	11.3	2		35		2.1075E-09
8	6.12		0.0000	0.2003%	7372	1024	7.2	2		35		2.1075E-09
9	6.52		0.0000	0.0738%	2716	438	6.2	2		35		2.1075E-09
10	6.74		0.0000	0.1419%	5222	1525	3.4	2		35		2.1075E-09
11	7.07		0.0007	8.4922%	312530	84371	3.7	1		35		2.1075E-09
12	7.66		0.0000	0.1265%	4655	1073	4.3	2		35		2.1075E-09
13	7.78		0.0000	0.2941%	10822	1425	7.6	2		35		2.1075E-09
~~14~~	~~7.98~~	~~A-BHC~~	~~0.0009~~	~~10.9672%~~	~~2611~~	~~762~~	~~3.3~~	~~2~~	~~35~~	~~35~~	~~.7215~~	~~3.3876E-07~~
15	8.13		0.0000	0.0836%	3078	681	4.5	1		35		2.1075E-09
16	8.95		0.0000	0.0609%	2242	372	6.0	1		35		2.1075E-09
17	9.28		0.0000	0.0398%	1465	182	8.0	1		35		2.1075E-09
18	9.66		0.0000	0.2799%	10300	2158	4.8	1		35		2.1075E-09
19	10.08		0.0000	0.3338%	12286	1729	7.1	1		35		2.1075E-09
20	10.48		0.0001	0.9823%	36152	6994	5.2	2		35		2.1075E-09
21	10.83		0.0001	0.7149%	26309	6321	4.2	2		35		2.1075E-09
~~22~~	~~11.68~~	~~HEPT.EPOXIDE~~	~~0.0006~~	~~7.4742%~~	~~1513~~	~~423~~	~~3.6~~	~~1~~	~~35~~	~~35~~	~~-.9025~~	~~3.8314E-07~~
23	12.12		0.0000	0.1032%	3797	800	4.7	1		35		2.1075E-09
24	12.40		0.0000	0.1083%	3985	461	8.7	1		35		2.1075E-09
25	12.87		0.0000	0.2428%	8935	1813	4.9	1		35		2.1075E-09
26	13.47		0.0000	0.2198%	8087	314	25.8	2		35		2.1075E-09
~~27~~	~~13.92~~	~~ENDRIN~~	~~0.0027~~	~~34.8331%~~	~~5450~~	~~410~~	~~13.3~~	~~2~~	~~35~~	~~35~~	~~.6928~~	~~4.9569E-07~~
28	14.46		0.0000	0.2254%	8297	788	10.5	2		35		2.1075E-09
29	14.66		0.0000	0.2236%	8228	1183	7.0	2		35		2.1075E-09
30	14.82		0.0001	1.5689%	57740	11355	5.1	2		35		2.1075E-09
31	15.37		0.0000	0.0953%	3506	235	14.9	1		35		2.1075E-09
32	15.76		0.0000	0.4187%	15408	1821	8.5	1		35		2.1075E-09

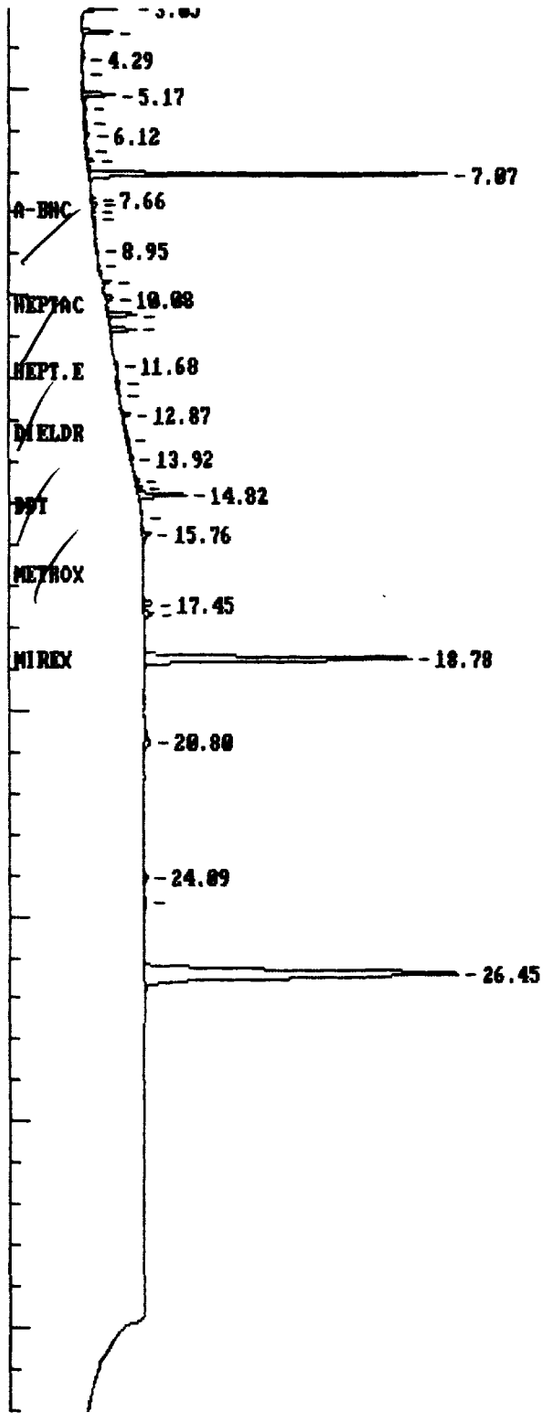
33	17.45		0.0000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	2.1075E-09
34	17.70		0.0000	0.5273%	19405	2218	8.8	2		35		2.1075E-09
35	18.78	MIREX	1.0000	0.0000%	474494	62836	7.6	1	35	35	0	2.1075E-06
36	20.80		0.0000	0.5810%	21384	1333	16.0	1		35		2.1075E-09
37	24.09		0.0000	0.3258%	11992	960	12.5	2		35		2.1075E-09
38	24.68		0.0000	0.1510%	5556	427	13.0	2		35		2.1075E-09
39	26.45		0.0021	26.7196%	983331	73773	13.3	1		35		2.1075E-09

TOTAL AMOUNT = 0.0078

KM
5-28-97

SECONDARY COLUMN

Data File = J:2HOD31.PTS Printed on 05-27-1993 at 09:51:49
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

```
******   INTERNAL STANDARD TABLE   ******
******************** 05-27-1993 10:02:10 Version 4.1 **********************
* Sample Name: 93ZE33S37 SF 1187                Data File: J:2HOD31       *
* Date: 05-26-1993 13:07:08 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  31   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN            *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*              Detector 0: DB608 QUAN          Detector 1: DB-5 CONF      *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL   *
*************************************************************************
Starting Delay:    3.00                      Ending retention time:   37.00
Area reject:        0                        One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0001	0.0193%	29097	7845	3.7	1		35		2.1075E-09
2	3.65		0.0001	0.0189%	28502	6984	4.1	1		35		2.1075E-09
3	4.29		0.0000	0.0028%	4254	473	9.0	1		35		2.1075E-09
4	4.65		0.0000	0.0009%	1301	398	3.3	1		35		2.1075E-09
5	5.17		0.0001	0.0237%	35716	7585	4.7	2		35		2.1075E-09
6	5.52		0.0000	0.0034%	5052	560	9.0	2		35		2.1075E-09
7	5.84		0.0000	0.0037%	5612	499	11.3	2		35		2.1075E-09
8	6.12		0.0000	0.0049%	7372	1024	7.2	2		35		2.1075E-09
9	6.52		0.0000	0.0018%	2716	438	6.2	2		35		2.1075E-09
10	6.74		0.0000	0.0035%	5222	1525	3.4	2		35		2.1075E-09
11	7.07	TCMX	0.0966	30.3818%	312530	84371	3.7	1	35	35	0	3.0894E-07
12	7.66		0.0000	0.0031%	4655	1073	4.3	2		35		2.1075E-09
13	7.78		0.0000	0.0072%	10822	1425	7.6	2		35		2.1075E-09
14	7.98		0.0000	0.0017%	2511	762	3.3	2		35		2.1075E-09
15	8.13		0.0000	0.0020%	3078	681	4.5	1		35		2.1075E-09
16	8.95		0.0000	0.0015%	2242	372	6.0	1		35		2.1075E-09
17	9.28		0.0000	0.0010%	1465	182	8.0	1		35		2.1075E-09
18	9.66		0.0000	0.0068%	10300	2158	4.8	1		35		2.1075E-09
19	10.08		0.0000	0.0081%	12286	1729	7.1	1		35		2.1075E-09
20	10.48		0.0001	0.0240%	36152	6994	5.2	2		35		2.1075E-09
21	10.83		0.0001	0.0174%	26309	6321	4.2	2		35		2.1075E-09
22	11.68		0.0000	0.0010%	1513	423	3.6	1		35		2.1075E-09
23	12.12		0.0000	0.0025%	3797	800	4.7	1		35		2.1075E-09
~~24~~	~~12.40~~	~~G-CHLOR~~	~~0.0013~~	~~0.4085%~~	~~3985~~	~~461~~	~~8.7~~	~~1~~	~~35~~	~~35~~	~~.5415~~	~~3.2575E-07~~
25	12.87		0.0000	0.0059%	8935	1813	4.9	1		35		2.1075E-09
26	13.47		0.0000	0.0054%	8087	314	25.8	2		35		2.1075E-09
27	13.92		0.0000	0.0036%	5450	410	13.3	2		35		2.1075E-09
~~28~~	~~14.46~~	~~END ALD~~	~~0.0039~~	~~1.2256%~~	~~8297~~	~~788~~	~~10.5~~	~~2~~	~~35~~	~~35~~	~~-.1153~~	~~4.6946E-07~~
29	14.66		0.0000	0.0055%	8228	1183	7.0	2		35		2.1075E-09
30	14.82		0.0001	0.0383%	57740	11355	5.1	2		35		2.1075E-09
31	15.37		0.0000	0.0023%	3506	235	14.9	1		35		2.1075E-09
32	15.76		0.0000	0.0102%	15408	1821	8.5	1		35		2.1075E-09

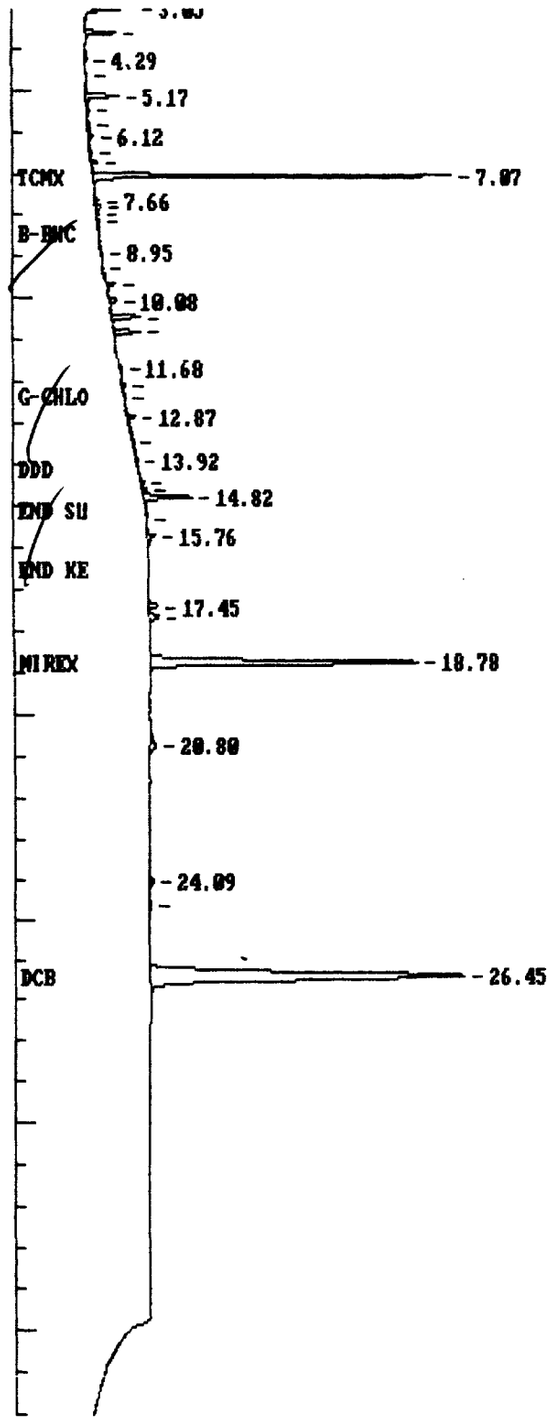
[illegible]	[illegible]	0.0000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		35		2.1075E-09
34	17.70	0.0000	0.0129%	19405	2218	8.8	2		35		2.1075E-09
35	18.78 MIREX	1.0000	0.0000%	474494	62836	7.6	1	35	35	0	2.1075E-06
36	20.80	0.0000	0.0142%	21384	1333	16.0	1		35		2.1075E-09
37	24.09	0.0000	0.0080%	11992	960	12.5	2		35		2.1075E-09
38	24.68	0.0000	0.0037%	5556	427	13.0	2		35		2.1075E-09
39	26.45 DCB	0.2152	67.7051%	983331	73773	13.3	1	35	35	0	2.1882E-07

TOTAL AMOUNT = 0.3178

KM
5-28-92

SECONDARY COLUMN

Data File = J:2HOD31.PTS Printed on 05-27-1993 at 10:03:06
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

```
****** INTERNAL STANDARD TABLE ******
******************** 05-27-1993 10:31:59 Version 4.1 ************************
* Sample Name: 93ZE33D37 SF 1187                    Data File: J:1H0031      *
* Date: 05-26-1993 13:07:09 Method: J:1PESTAI  05-26-1993 11:46:48  #  327*
* Interface: 0   Cycle#:  31   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~      *
* Misc. Information: H.O.D. LANDFILL                  ~~SGRN~~:        *    *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

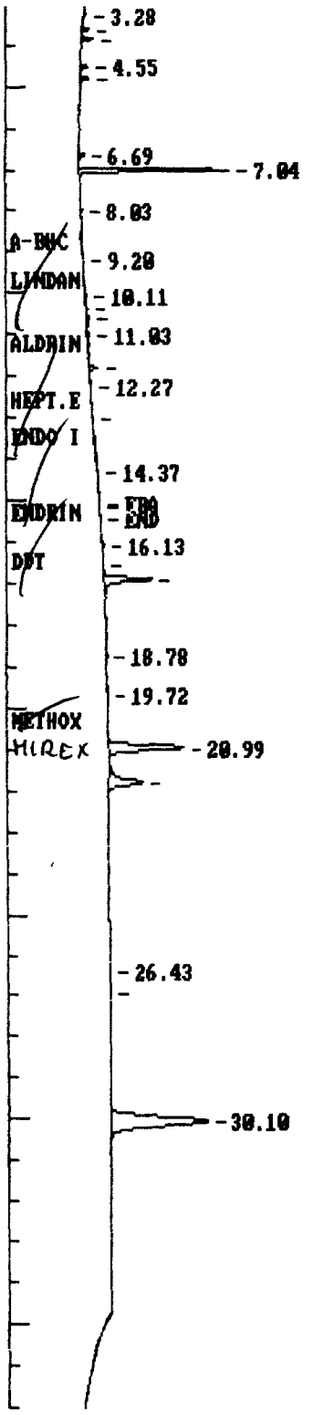
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.28		0.0000	0.0655%	1899	550	3.5	1		24		6.1342E-09
2	3.65		0.0000	0.2329%	6754	1559	4.3	1		24		6.1342E-09
3	3.89		0.0001	0.4319%	12525	2989	4.2	1		24		6.1342E-09
4	4.55		0.0001	0.2891%	8385	1785	4.7	1		24		6.1342E-09
5	4.85		0.0001	0.3503%	10161	2181	4.7	1		24		6.1342E-09
6	6.69		0.0000	0.2338%	6782	1239	5.5	1		24		6.1342E-09
7	7.04		0.0008	4.4622%	129415	35345	3.7	1		24		6.1342E-09
8	8.03		0.0000	0.0640%	1856	470	3.9	1		24		6.1342E-09
9	9.20		0.0000	0.0662%	1921	236	8.1	1		24		6.1342E-09
10	10.11		0.0000	0.1293%	3751	420	8.9	2		24		6.1342E-09
~~11~~	~~10.40~~	~~HEPTACHLOR~~	~~0.0033~~	~~18.5530%~~	~~2582~~	~~458~~	~~5.6~~	~~2~~	~~24~~	~~24~~	~~-.4003~~	~~1.2784E-06~~
12	10.63		0.0000	0.1047%	3037	692	4.4	1		24		6.1342E-09
13	11.03		0.0000	0.1030%	2988	590	5.1	1		24		6.1342E-09
14	11.83		0.0000	0.2787%	8082	2012	4.0	1		24		6.1342E-09
15	12.27		0.0000	0.0456%	1323	253	5.2	1		24		6.1342E-09
16	13.04		0.0000	0.0781%	2267	193	11.7	1		24		6.1342E-09
~~17~~	~~14.37~~	~~DIELDRIN~~	~~0.0007~~	~~4.1515%~~	~~588~~	~~266~~	~~2.2~~	~~1~~	~~24~~	~~24~~	~~.6644~~	~~1.2568E-06~~
~~18~~	~~15.19~~	~~ENDRIN~~	~~0.0063~~	~~35.3476%~~	~~3333~~	~~92~~	~~36.3~~	~~1~~	~~24~~	~~24~~	~~-.7929~~	~~1.8867E-06~~
19	16.13		0.0000	0.0862%	2501	388	6.4	1		24		6.1342E-09
~~20~~	~~16.61~~	~~DDT~~	~~0.0029~~	~~16.3850%~~	~~1291~~	~~107~~	~~12.0~~	~~1~~	~~24~~	~~24~~	~~.7889~~	~~2.2587E-06~~
21	16.93		0.0005	2.7825%	80701	11322	7.1	1		24		6.1342E-09
22	18.78		0.0000	0.0584%	1694	203	8.3	1		24		6.1342E-09
23	19.72		0.0000	0.1750%	5076	171	29.6	1		24		6.1342E-09
24	20.99	MIREX	1.0000	0.0000%	163020	17649	9.2	1	24	24	0	6.1342E-06
25	21.82		0.0006	3.3599%	97448	7941	12.3	1		24		6.1342E-09
26	26.43		0.0000	0.0950%	2755	226	12.2	1		24		6.1342E-09
27	26.95		0.0000	0.0894%	2593	220	11.8	1		24		6.1342E-09
28	30.10		0.0021	11.9810%	347481	22684	15.3	1		24		6.1342E-09

TOTAL AMOUNT = 0.0178

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD31.PTS Printed on 05-27-1993 at 10:32:43
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

```
****** EXTERNAL STANDARD TABLE ******
******************** 05-28-1993 12:58:09 Version 4.1 **********************
* Sample Name: 93ZE33D37 SF 1187                Data File: J:1HOD31        *
* Date: 05-26-1993 13:07:09 Method: J:1PESTB  05-26-1993 14:41:15  #  558 *
* Interface: 0   Cycle#:  31   Operator KM  Channel#: 0    Vial#: N.A.     *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN               *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D. LANDFILL                  SCRN:          *    *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Sample Weight:          1.000000
```

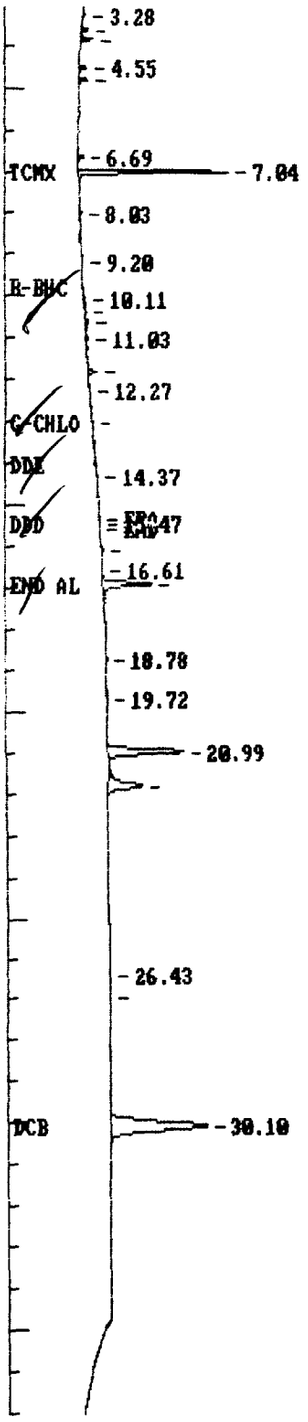
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	3.28		1.8993	0.5483%	1899	550	3.5	1			1.0000E-03
2	3.65		6.7540	1.9497%	6754	1559	4.3	1			1.0000E-03
3	3.89		12.5250	3.6157%	12525	2989	4.2	1			1.0000E-03
4	4.55		8.3847	2.4205%	8385	1785	4.7	1			1.0000E-03
5	4.85		10.1608	2.9332%	10161	2181	4.7	1			1.0000E-03
6	6.69		6.7815	1.9577%	6782	1239	5.5	1			1.0000E-03
7	7.04	TCMX	0.0842	0.0243%	129415	35345	3.7	1	7	0	6.5094E-07
8	8.03		1.8557	0.5357%	1856	470	3.9	1			1.0000E-03
9	9.20		1.9213	0.5546%	1921	236	8.1	1			1.0000E-03
10	10.11		3.7509	1.0828%	3751	420	8.9	2			1.0000E-03
11	10.40		2.5820	0.7454%	2582	458	5.6	2			1.0000E-03
~~12~~	~~10.63~~	~~D-BHC~~	~~0.0030~~	~~0.0009%~~	~~3037~~	~~692~~	~~4.4~~	~~1~~	~~12~~	~~0~~	~~9.8210E-07~~
13	11.03		2.9880	0.8626%	2988	590	5.1	1			1.0000E-03
14	11.83		8.0821	2.3331%	8082	2012	4.0	1			1.0000E-03
15	12.27		1.3226	0.3818%	1323	253	5.2	1			1.0000E-03
~~16~~	~~13.04~~	~~G-CHLORDANE~~	~~0.0019~~	~~0.0005%~~	~~2267~~	~~193~~	~~11.7~~	~~1~~	~~16~~	~~0~~	~~8.3021E-07~~
17	14.37		0.5877	0.1696%	588	266	2.2	1			1.0000E-03
~~18~~	~~15.47~~	~~DDD~~	~~0.0174~~	~~0.0050%~~	~~9245~~	~~72~~	~~127.9~~	~~1~~	~~18~~	~~0~~	~~1.8831E-06~~
19	16.13		2.5010	0.7220%	2501	388	6.4	1			1.0000E-03
20	16.61		1.2906	0.3726%	1291	107	12.0	1			1.0000E-03
~~21~~	~~16.93~~	~~END ALDEHYDE~~	~~0.1026~~	~~0.0296%~~	~~80701~~	~~11322~~	~~7.1~~	~~1~~	~~21~~	~~0~~	~~1.2709E-06~~
22	18.78		1.6939	0.4890%	1694	203	8.3	1			1.0000E-03
23	19.72		5.0761	1.4654%	5076	171	29.6	1			1.0000E-03
24	20.99		163.0204	47.0606%	163020	17649	9.2	1			1.0000E-03
25	21.82		97.4475	28.1311%	97448	7941	12.3	1			1.0000E-03
26	26.43		2.7550	0.7953%	2755	226	12.2	1			1.0000E-03
27	26.95		2.5932	0.7486%	2593	220	11.8	1			1.0000E-03
28	30.10	DCB	0.2229	0.0644%	347481	22684	15.3	1	28	0	6.4160E-07

TOTAL AMOUNT = 346.4053

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD31.PTS Printed on 05-28-1993 at 12:58:53
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 09:52:45 Version 4.1 **********

* Sample Name: 93ZE33D37 SF 1187 Data File: J:2HOD32 *
* Date: 05-26-1993 13:48:38 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*
* Interface: 0 Cycle#: 32 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0001	0.4527%	31948	8646	3.7	1		35		2.1031E-09
2	3.65		0.0001	0.4099%	28925	7105	4.1	1		35		2.1031E-09
3	4.29		0.0000	0.0640%	4516	459	9.8	1		35		2.1031E-09
4	4.65		0.0000	0.0124%	874	282	3.1	1		35		2.1031E-09
5	5.17		0.0001	0.4878%	34420	8242	4.2	2		35		2.1031E-09
6	5.52		0.0000	0.0655%	4620	502	9.2	2		35		2.1031E-09
7	5.84		0.0000	0.0701%	4944	477	10.4	2		35		2.1031E-09
8	6.11		0.0000	0.0717%	5062	770	6.6	2		35		2.1031E-09
9	6.54		0.0000	0.0540%	3809	504	7.6	2		35		2.1031E-09
10	6.74		0.0000	0.0272%	1920	521	3.7	2		35		2.1031E-09
11	6.87		0.0000	0.0244%	1718	401	4.3	2		35		2.1031E-09
12	7.07		0.0006	3.9724%	280312	75771	3.7	2		35		2.1031E-09
13	7.66		0.0001	0.3517%	24817	3932	6.3	1		35		2.1031E-09
14	8.13		0.0000	0.0365%	2573	551	4.7	2		35		2.1031E-09
15	8.29		0.0000	0.0198%	1396	264	5.3	2		35		2.1031E-09
~~16~~	~~8.48~~	~~LINDANE~~	~~0.0003~~	~~1.8153%~~	~~750~~	~~230~~	~~3.3~~	~~1~~	~~35~~	~~35~~	~~.8653~~	~~3.7873E-07~~
17	8.95		0.0000	0.0495%	3494	1093	3.2	2		35		2.1031E-09
18	9.05		0.0000	0.0321%	2265	599	3.8	2		35		2.1031E-09
19	9.45		0.0000	0.0156%	1102	319	3.5	1		35		2.1031E-09
20	9.66		0.0000	0.1405%	9914	2599	3.8	1		35		2.1031E-09
~~21~~	~~10.10~~	~~HEPTACHLOR~~	~~0.0080~~	~~53.6126%~~	~~22809~~	~~3313~~	~~6.9~~	~~2~~	~~35~~	~~35~~	~~-.8945~~	~~3.4883E-07~~
22	10.48		0.0000	0.1247%	8803	1163	7.6	2		35		2.1031E-09
23	10.83		0.0001	0.3797%	26794	5390	5.0	2		35		2.1031E-09
24	11.60		0.0000	0.0888%	6268	692	9.1	2		35		2.1031E-09
25	12.40		0.0000	0.0791%	5582	337	16.6	2		35		2.1031E-09
26	12.87		0.0000	0.0821%	5797	689	8.4	1		35		2.1031E-09
27	14.46		0.0000	0.2747%	19381	620	31.3	2		35		2.1031E-09
28	14.66		0.0000	0.1341%	9462	1577	6.0	2		35		2.1031E-09
29	14.82		0.0001	1.0022%	70722	14011	5.0	2		35		2.1031E-09
30	15.39		0.0000	0.0651%	4593	385	11.9	1		35		2.1031E-09
31	15.76		0.0000	0.1573%	11101	1251	8.9	1		35		2.1031E-09
~~32~~	~~16.69~~	~~METHOXYCHLOR~~	~~0.0028~~	~~19.1930%~~	~~3206~~	~~278~~	~~11.6~~	~~1~~	~~35~~	~~35~~	~~0~~	~~8.8832E-07~~

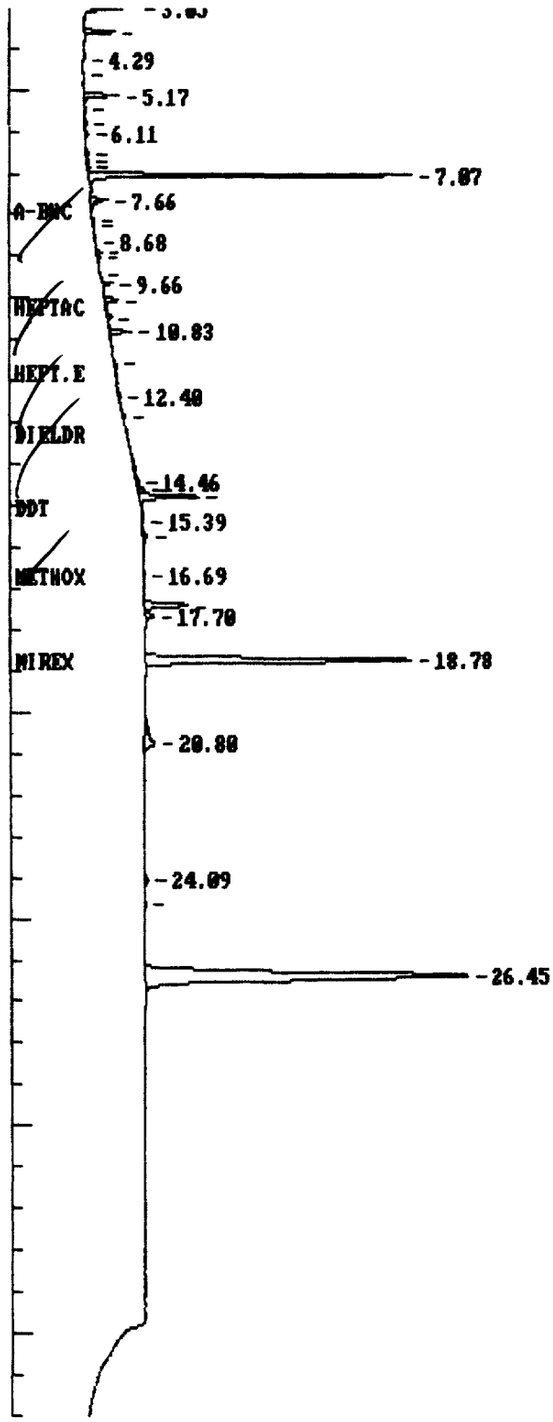
33	17.45		0.0002	1.0358%	73088	10210	7.2	2		35		2.1031E-09
34	17.70		0.0000	0.1818%	12826	1900	6.8	2		35		2.1031E-09
35	18.78	MIREX	1.0000	0.0000%	475490	62446	7.6	1	35	35	0	2.1031E-06
36	20.80		0.0001	0.7497%	52904	2370	22.3	1		35		2.1031E-09
37	24.09		0.0000	0.1639%	11564	963	12.0	2		35		2.1031E-09
38	24.69		0.0000	0.0551%	3888	283	13.7	2		35		2.1031E-09
39	26.45		0.0021	14.3473%	1012404	75833	13.4	1		35		2.1031E-09

TOTAL AMOUNT = 0.0148

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD32.PTS Printed on 05-27-1993 at 09:53:41
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

```
******    INTERNAL STANDARD TABLE    ******
******************** 05-28-1993 13:08:39 Version 4.1 **********************
* Sample Name: 93ZE33D37 SF 1187                Data File: J:2HOD32       *
* Date: 05-26-1993 13:48:38 Method: J:2PESTBI  05-26-1993 14:10:49  #  602*
* Interface: 0   Cycle#:  32   Operator KM  Channel#: 1    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN             *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF         *
* Misc. Information: H.O.D. LANDFILL                   H.O.D. LANDFILL    *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:    37.00
Area reject:        0                        One sample per    1.002 sec.
Amount injected:        1.00                 Dilution factor:        10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0001	0.0210%	31948	8646	3.7	1		35		2.1031E-09
2	3.65		0.0001	0.0190%	28925	7105	4.1	1		35		2.1031E-09
3	4.29		0.0000	0.0030%	4516	459	9.8	1		35		2.1031E-09
4	4.65		0.0000	0.0006%	874	282	3.1	1		35		2.1031E-09
5	5.17		0.0001	0.0226%	34420	8242	4.2	2		35		2.1031E-09
6	5.52		0.0000	0.0030%	4620	502	9.2	2		35		2.1031E-09
7	5.84		0.0000	0.0032%	4944	477	10.4	2		35		2.1031E-09
8	6.11		0.0000	0.0033%	5062	770	6.6	2		35		2.1031E-09
9	6.54		0.0000	0.0025%	3809	504	7.6	2		35		2.1031E-09
10	6.74		0.0000	0.0013%	1920	521	3.7	2		35		2.1031E-09
11	6.87		0.0000	0.0011%	1718	401	4.3	2		35		2.1031E-09
12	7.07	TCMX	0.0864	26.9805%	280312	75771	3.7	2	35	35	0	3.0830E-07
13	7.66		0.0001	0.0163%	24817	3932	6.3	1		35		2.1031E-09
14	8.13		0.0000	0.0017%	2573	551	4.7	2		35		2.1031E-09
15	8.29		0.0000	0.0009%	1396	264	5.3	2		35		2.1031E-09
16	8.68		0.0000	0.0005%	750	230	3.3	1		35		2.1031E-09
17	8.95		0.0000	0.0023%	3494	1093	3.2	2		35		2.1031E-09
~~18~~	~~9.05~~	~~D-BHC~~	~~0.0009~~	~~0.2782%~~	~~2265~~	~~599~~	~~3.8~~	~~2~~	~~35~~	~~35~~	~~-.1842~~	~~3.9344E-07~~
19	9.45		0.0000	0.0007%	1102	319	3.5	1		35		2.1031E-09
20	9.66		0.0000	0.0065%	9914	2599	3.8	1		35		2.1031E-09
21	10.10		0.0000	0.0150%	22809	3313	6.9	2		35		2.1031E-09
22	10.48		0.0000	0.0058%	8803	1163	7.6	2		35		2.1031E-09
23	10.83		0.0001	0.0176%	26794	5390	5.0	2		35		2.1031E-09
24	11.60		0.0000	0.0041%	6268	692	9.1	2		35		2.1031E-09
~~25~~	~~12.40~~	~~G-CHLOR~~	~~0.0018~~	~~0.5665%~~	~~5582~~	~~337~~	~~16.6~~	~~2~~	~~35~~	~~35~~	~~.5415~~	~~3.2507E-07~~
26	12.87		0.0000	0.0038%	5797	689	8.4	1		35		2.1031E-09
~~27~~	~~14.46~~	~~END ALD~~	~~0.0091~~	~~2.8347%~~	~~19381~~	~~620~~	~~31.3~~	~~2~~	~~35~~	~~35~~	~~.1153~~	~~4.6848E-07~~
28	14.66		0.0000	0.0062%	9462	1577	6.0	2		35		2.1031E-09
29	14.82		0.0001	0.0464%	70722	14011	5.0	2		35		2.1031E-09
30	15.39		0.0000	0.0030%	4593	385	11.9	1		35		2.1031E-09
31	15.76		0.0000	0.0073%	11101	1251	8.9	1		35		2.1031E-09
32	16.69		0.0000	0.0021%	3206	278	11.6	1		35		2.1031E-09
33	17.45		0.0002	0.0480%	73088	10200	7.2	2		35		2.1031E-09
34	17.70		0.0000	0.0084%	12826	1900	6.8	2		35		2.1031E-09
35	18.78	MIREX	1.0000	0.0000%	475490	62446	7.6	1	35	35	0	2.1031E-06

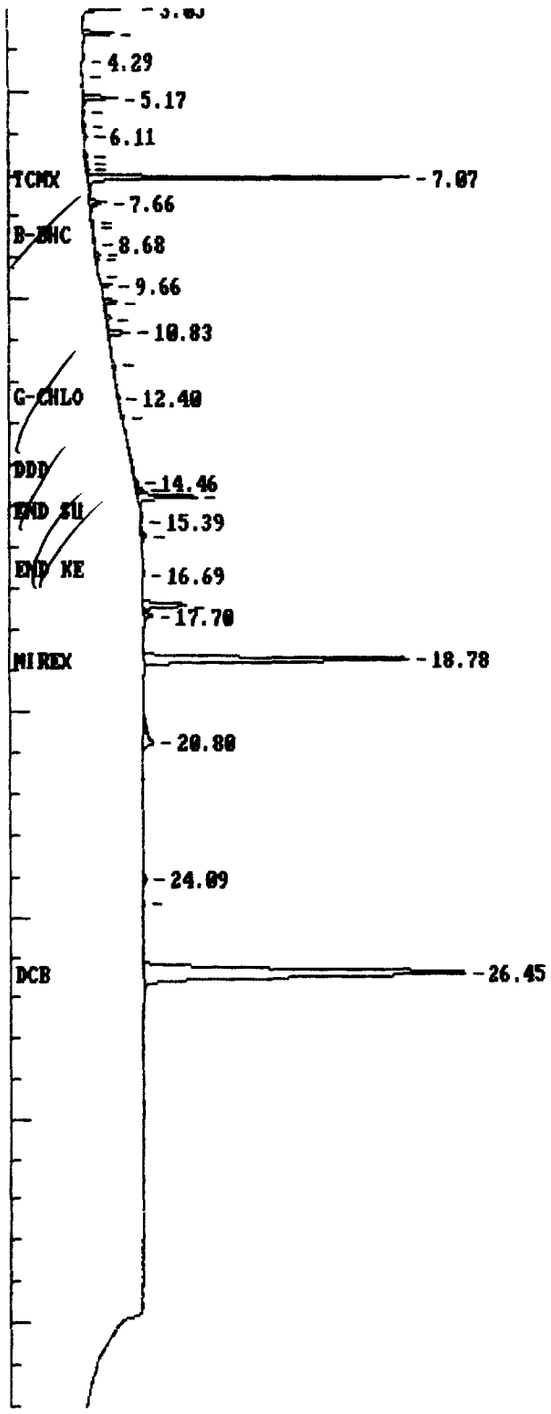
[illegible]	[illegible]	0.0001	[illegible]	[illegible]	[illegible]	22.3 1			35		2.1031E-09
37	24.09	0.0000	0.0076%	11564	463	12.0 2			35		2.1031E-09
38	24.69	0.0000	0.0026%	3888	283	13.7 2			35		2.1031E-09
39	26.45 DCB	0.2211	69.0179%	1012404	75833	13.4 1		35	35	0	2.1836E-07

TOTAL AMOUNT = 0.3203

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD32.PTS Printed on 05-28-1993 at 13:09:31
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

```
******   INTERNAL STANDARD TABLE   ******
******************** 05-27-1993 10:33:31 Version 4.1 **********************
* Sample Name: 93ZE33S38 SF 1187                    Data File: J:1HOD32      *
* Date: 05-26-1993 13:48:38 Method: J:1PESTAI  05-26-1993 11:46:48  #  327*
* Interface: 0   Cycle#:  32   Operator KM  Channel#: 0    Vial#: N.A.      *
* Starting Peak Width:  10   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN                *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*            Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~      *
* Misc. Information: H.O.D. LANDFILL                  ~~SCRN:~~        *   *
*****************************************************************************
Starting Delay:    3.00                      Ending retention time:   37.00
Area reject:       500                       One sample per   1.002 sec.
Amount injected:        1.00                 Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.000000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0113%	1339	371	3.6	1		44		5.7904E-09
2	3.28		0.0000	0.0551%	6534	1086	6.0	2		44		5.7904E-09
3	3.42		0.0000	0.0570%	6756	1301	5.2	2		44		5.7904E-09
4	3.63		0.0001	0.1012%	11996	2773	4.3	1		44		5.7904E-09
5	3.89		0.0001	0.1632%	19339	3354	5.8	1		44		5.7904E-09
6	4.27		0.0000	0.0097%	1146	253	4.5	1		44		5.7904E-09
7	4.55		0.0001	0.1080%	12800	2584	5.0	1		44		5.7904E-09
8	4.85		0.0001	0.0895%	10610	2246	4.7	1		44		5.7904E-09
9	5.35		0.0000	0.0231%	2739	396	6.9	1		44		5.7904E-09
10	5.72		0.0000	0.0576%	6827	1115	6.1	1		44		5.7904E-09
11	6.27		0.0000	0.0302%	3574	628	5.7	2		44		5.7904E-09
12	6.41		0.0000	0.0220%	2608	423	6.2	2		44		5.7904E-09
13	6.69		0.0000	0.0630%	7466	895	8.3	2		44		5.7904E-09
14	7.04		0.0008	1.2012%	142381	38223	3.7	2		44		5.7904E-09
15	7.73		0.0000	0.0722%	8555	698	12.3	1		44		5.7904E-09
16	8.03		0.0000	0.0304%	3599	547	6.6	2		44		5.7904E-09
17	8.33		0.0001	0.1383%	16395	1480	11.1	2		44		5.7904E-09
18	8.64		0.0000	0.0433%	5130	834	6.2	1		44		5.7904E-09
19	9.00		0.0000	0.0711%	8427	1688	5.0	2		44		5.7904E-09
20	9.20		0.0000	0.0236%	2793	573	4.9	2		44		5.7904E-09
21	9.40		0.0000	0.0538%	6383	679	9.4	1		44		5.7904E-09
22	10.05		0.0000	0.0378%	4485	926	4.8	1		44		5.7904E-09
23	10.33		0.0000	0.0187%	2216	606	3.7	2		44		5.7904E-09
~~24~~	~~10.48~~	~~HEPTACHLOR~~	~~0.0048~~	~~7.0342%~~	~~4002~~	~~627~~	~~6.4~~	~~2~~	~~44~~	~~44~~	~~.3994~~	~~1.2067E-06~~
25	10.63		0.0000	0.0225%	2664	548	4.9	2		44		5.7904E-09
26	10.92		0.0000	0.0499%	5918	792	7.5	2		44		5.7904E-09
~~27~~	~~11.18~~	~~ALDRIN~~	~~0.0024~~	~~3.5513%~~	~~2329~~	~~341~~	~~6.8~~	~~2~~	~~44~~	~~44~~	~~.3667~~	~~1.0466E-06~~
28	11.62		0.0000	0.0198%	2346	241	9.7	1		44		5.7904E-09
29	11.83		0.0000	0.0407%	4822	1197	4.0	1		44		5.7904E-09
30	12.32		0.0000	0.0342%	4049	685	5.9	1		44		5.7904E-09
31	12.77		0.0000	0.0233%	2768	351	7.9	1		44		5.7904E-09
32	13.00		0.0000	0.0446%	5285	1257	4.2	1		44		5.7904E-09
33	13.34		0.0000	0.0124%	1475	248	5.9	1		44		5.7904E-09
~~34~~	~~14.41~~	~~DIELDRIN~~	~~0.0084~~	~~12.1823%~~	~~7048~~	~~483~~	~~14.6~~	~~2~~	~~44~~	~~44~~	~~.8983~~	~~1.1864E-06~~
35	14.84		0.0000	0.0382%	4530	383	11.8	2		44		5.7904E-09
36	15.00		0.0000	0.0150%	1800	318	5.9	1		44		5.7904E-09

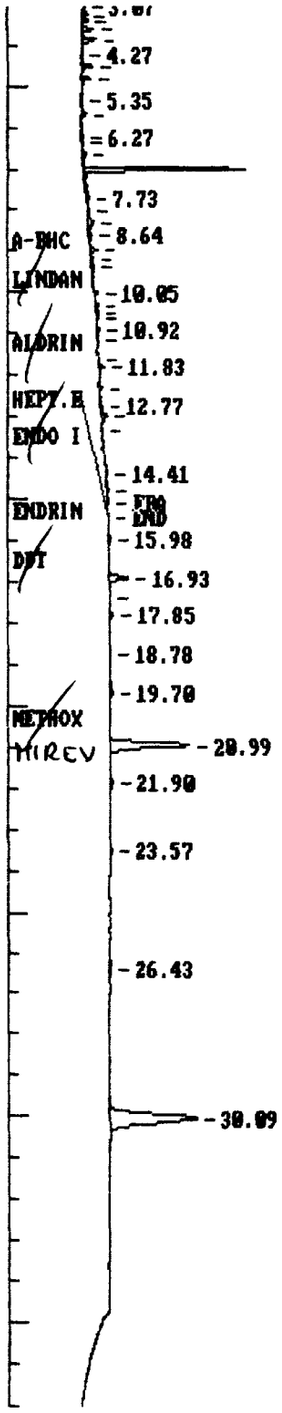
37	7.04		0.045[illegible]	65.56[illegible]	7772136	51024	152.[illegible]	1		[illegible]		5.7904E-09
~~38~~	~~15.98~~	~~ENDO II~~	~~0.0039~~	~~5.6449%~~	~~3136~~	~~563~~	~~5.6~~	~~1~~	~~44~~	~~44~~	~~.8172~~	~~1.2354E-06~~
39	16.93		0.0002	0.2748%	32568	4523	7.2	1		44		5.7904E-09
40	17.40		0.0000	0.0121%	1433	224	6.4	1		44		5.7904E-09
41	17.85		0.0000	0.0519%	6149	849	7.2	1		44		5.7904E-09
42	18.78		0.0000	0.0178%	2110	237	8.9	1		44		5.7904E-09
43	19.70		0.0001	0.0997%	11824	650	18.2	1		44		5.7904E-09
44	20.99	MIREX	1.0000	0.0000%	172701	18637	9.3	1	44	44	0	5.7904E-06
45	21.90		0.0000	0.0673%	7973	739	10.8	1		44		5.7904E-09
46	23.57		0.0000	0.0467%	5530	400	13.8	1		44		5.7904E-09
47	26.43		0.0000	0.0309%	3664	265	13.8	1		44		5.7904E-09
48	30.09		0.0018	2.6322%	312005	20467	15.2	1		44		5.7904E-09

TOTAL AMOUNT = 0.0686

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD32.PTS Printed on 05-27-1993 at 10:34:37
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

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

********** 05-27-1993 12:41:28 Version 4.1 **********

* Sample Name: 93ZE33S38 SF 1187 Data File: J:1HOD32 *

* Date: 05-26-1993 13:48:38 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *

* Interface: 0 Cycle#: 32 Operator KM Channel#: 0 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Sample Weight: 1.000000

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	3.07		1.3387	0.3274%	1339	371	3.6	1			1.0000E-03
2	3.28		6.5344	1.5980%	6534	1086	6.0	2			1.0000E-03
3	3.42		6.7557	1.6521%	6756	1301	5.2	2			1.0000E-03
4	3.63		11.9959	2.9336%	11996	2773	4.3	1			1.0000E-03
5	3.89		19.3391	4.7294%	19339	3354	5.8	1			1.0000E-03
6	4.27		1.1463	0.2803%	1146	253	4.5	1			1.0000E-03
7	4.55		12.8000	3.1303%	12800	2584	5.0	1			1.0000E-03
8	4.85		10.6097	2.5946%	10610	2246	4.7	1			1.0000E-03
9	5.35		2.7390	0.6698%	2739	396	6.9	1			1.0000E-03
10	5.72		6.8266	1.6695%	6827	1115	6.1	1			1.0000E-03
11	6.27		3.5744	0.8741%	3574	628	5.7	2			1.0000E-03
12	6.41		2.6080	0.6378%	2608	423	6.2	2			1.0000E-03
13	6.69		7.4660	1.8258%	7466	895	8.3	2			1.0000E-03
14	7.04	TCMX	0.0927	0.0227%	142381	38223	3.7	2	14	0	6.5094E-07
15	7.73		8.5546	2.0920%	8555	698	12.3	1			1.0000E-03
16	8.03		3.5989	0.8801%	3599	547	6.6	2			1.0000E-03
17	8.33		16.3947	4.0094%	16395	1480	11.1	2			1.0000E-03
18	8.64		5.1302	1.2546%	5130	834	6.2	1			1.0000E-03
19	9.00		8.4270	2.0608%	8427	1688	5.0	2			1.0000E-03
20	9.20		2.7930	0.6830%	2793	573	4.9	2			1.0000E-03
21	9.40		6.3827	1.5609%	6383	679	9.4	1			1.0000E-03
22	10.05		4.4850	1.0968%	4485	926	4.8	1			1.0000E-03
23	10.33		2.2155	0.5418%	2216	606	3.7	2			1.0000E-03
~~24~~	~~10.49~~	~~D-BHC~~	~~0.0039~~	~~0.0010%~~	~~4002~~	~~627~~	~~6.4~~	~~2~~	~~24~~	~~0~~	~~9.8210E-07~~ ND
25	10.63		2.6642	0.6515%	2664	548	4.9	2			1.0000E-03
26	10.92		5.9181	1.4473%	5918	792	7.5	2			1.0000E-03
27	11.18		2.3289	0.5695%	2329	341	6.8	2			1.0000E-03
28	11.62		2.3462	0.5738%	2346	241	9.7	1			1.0000E-03
29	11.83		4.8216	1.1791%	4822	1197	4.0	1			1.0000E-03
30	12.32		4.0486	0.9901%	4049	685	5.9	1			1.0000E-03
31	12.77		2.7675	0.6768%	2768	351	7.9	1			1.0000E-03
~~32~~	~~13.00~~	~~G-CHLORDANE~~	~~0.0044~~	~~0.0011%~~	~~5285~~	~~1257~~	~~4.2~~	~~1~~	~~32~~	~~0~~	~~8.3021E-07~~
~~33~~	~~13.34~~	~~A-CHLORDANE~~	~~0.0012~~	~~0.0003%~~	~~1475~~	~~248~~	~~5.9~~	~~1~~	~~33~~	~~0~~	~~8.3261E-07~~
34	14.41		8.3447	2.0407%	8345	544	15.3	2			1.0000E-03
35	14.84		7.4574	1.8237%	7457	502	14.9	2			1.0000E-03
36	15.09		3.0480	0.7454%	3048	394	7.7	2			1.0000E-03

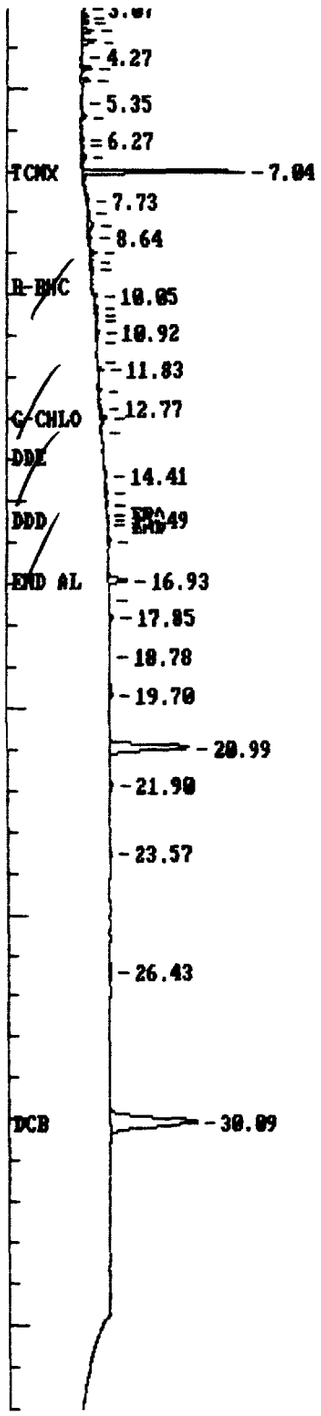
37	15.49	[illegible]	[illegible]	[illegible]	4294	107	[illegible]	[illegible]	[illegible]	[illegible]	1.3831E-08
38	15.98		3.1363	0.7670%	3136	563	5.6	1			1.0000E-03
~~39~~	~~16.93~~	~~END ALDEHYDE~~	~~0.0414~~	~~0.0101%~~	~~32568~~	~~4523~~	~~7.2~~	~~1~~	~~39~~	~~0~~	~~1.2709E-06~~
~~40~~	~~17.40~~	~~END SULFATE~~	~~0.0019~~	~~0.0005%~~	~~1433~~	~~224~~	~~6.4~~	~~1~~	~~40~~	~~0~~	~~1.3273E-06~~
41	17.85		6.1493	1.5038%	6149	849	7.2	1			1.0000E-03
42	18.78		2.1102	0.5161%	2110	237	8.9	1			1.0000E-03
43	19.70		11.8236	2.8915%	11824	650	18.2	1			1.0000E-03
44	20.99		172.7007	42.2343%	172701	18637	9.3	1			1.0000E-03
45	21.90		7.9729	1.9498%	7973	739	10.8	1			1.0000E-03
46	23.57		5.5300	1.3524%	5530	400	13.8	1			1.0000E-03
47	26.43		3.6643	0.8961%	3664	265	13.8	1			1.0000E-03
48	30.09	DCB	0.2002	0.0490%	312005	20467	15.2	1	48	0	6.4160E-07

TOTAL AMOUNT = 408.9112

KM
5-27-93

PRIMARY COLUMN

Data File = J:1HOD32.PTS Printed on 05-27-1993 at 12:42:30
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 09:54:37 Version 4.1 **********

* Sample Name: 93ZE33S38 SF 1187 Data File: J:2HOD33 *

* Date: 05-26-1993 14:33:17 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*

* Interface: 0 Cycle#: 33 Operator KM Channel#: 1 Vial#: N.A. *

* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 500 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0001	0.4095%	64096	20099	3.2	1		59		2.0757E-09
2	3.65		0.0001	0.2199%	34431	8084	4.3	2		59		2.0757E-09
3	3.84		0.0000	0.0304%	4751	648	7.3	2		59		2.0757E-09
4	4.17		0.0000	0.0595%	9321	798	11.7	2		59		2.0757E-09
5	4.29		0.0000	0.0567%	8879	1528	5.8	2		59		2.0757E-09
6	4.47		0.0000	0.0290%	4536	862	5.3	2		59		2.0757E-09
7	4.55		0.0000	0.0556%	8711	1619	5.4	2		59		2.0757E-09
8	4.90		0.0000	0.0133%	2077	481	4.3	1		59		2.0757E-09
9	5.17		0.0001	0.3918%	61337	10408	5.9	3		59		2.0757E-09
10	5.52		0.0000	0.0607%	9508	967	9.8	4		59		2.0757E-09
11	5.77		0.0000	0.0326%	5106	1123	4.5	2		59		2.0757E-09
12	5.92		0.0000	0.1481%	23191	1984	11.7	2		59		2.0757E-09
13	6.17		0.0000	0.0716%	11203	1433	7.8	2		59		2.0757E-09
14	6.46		0.0000	0.0327%	5116	1020	5.0	2		59		2.0757E-09
15	6.57		0.0000	0.0552%	8641	1861	4.6	2		59		2.0757E-09
16	6.74		0.0000	0.0444%	6954	2008	3.5	2		59		2.0757E-09
17	6.86		0.0000	0.0749%	11720	1645	7.1	2		59		2.0757E-09
18	7.07		0.0007	2.0498%	320878	81284	3.9	3		59		2.0757E-09
19	7.28		0.0000	0.0485%	7587	1938	3.9	4		59		2.0757E-09
20	7.54		0.0000	0.0552%	8646	889	9.7	4		59		2.0757E-09
21	7.66		0.0000	0.0472%	7385	1975	3.7	2		59		2.0757E-09
22	7.83		0.0001	0.3992%	62495	6696	9.3	2		59		2.0757E-09
23	8.24		0.0000	0.0733%	11469	1665	6.9	1		59		2.0757E-09
~~24~~	~~8.66~~	~~LINDANE~~	~~0.0018~~	~~5.4237%~~	~~4715~~	~~630~~	~~7.5~~	~~2~~	~~59~~	~~59~~	~~.6712~~	~~3.7379E-07~~
25	8.81		0.0000	0.0840%	13157	1795	7.3	2		59		2.0757E-09
26	8.93		0.0000	0.0490%	7668	1759	4.4	2		59		2.0757E-09
27	9.06		0.0000	0.0322%	5035	719	7.0	2		59		2.0757E-09
28	9.26		0.0000	0.0605%	9466	2416	3.9	2		59		2.0757E-09
29	9.58		0.0000	0.0780%	12215	1912	6.4	2		59		2.0757E-09
30	9.68		0.0001	0.2306%	36093	4025	9.0	2		59		2.0757E-09
31	10.08		0.0000	0.1215%	19014	2309	8.2	2		59		2.0757E-09
~~32~~	~~10.23~~	~~HEPTACHLOR~~	~~0.0031~~	~~9.5253%~~	~~8990~~	~~1016~~	~~8.8~~	~~2~~	~~59~~	~~59~~	~~.4167~~	~~3.4428E-07~~

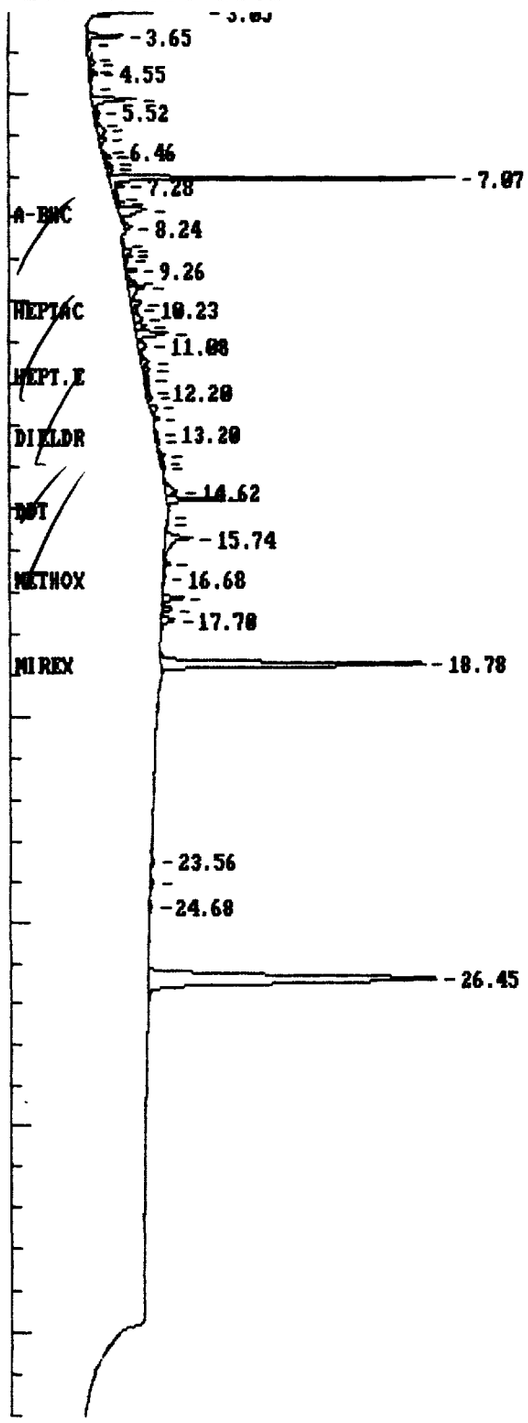
[illegible]	[illegible]	0.0000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.0757E-09
34	10.62	0.0000	0.1378%	21516	2805	7.7	2		59		2.0757E-09
35	10.78	0.0001	0.4114%	64400	7744	8.3	2		59		2.0757E-09
36	11.08	0.0000	0.1537%	24054	2051	11.7	2		59		2.0757E-09
37	11.48	0.0000	0.1097%	17174	2156	8.0	2		59		2.0757E-09
38	11.68 HEPT.EPOXIDE	0.0054	16.7626%	14434	1834	7.9	2	59	59	-.9025	3.7735E-07
39	11.90	0.0000	0.0773%	12103	1111	10.9	2		59		2.0757E-09
40	12.20	0.0000	0.0887%	13886	850	16.3	2		59		2.0757E-09
41	12.35	0.0000	0.0606%	9480	1284	7.4	2		59		2.0757E-09
42	12.59 ENDO I	0.0049	14.9937%	11430	1516	7.5	1	59	59	-.5707	4.2625E-07
43	12.87	0.0000	0.0278%	4360	1087	4.0	1		59		2.0757E-09
44	13.20 DIELDRIN	0.0025	7.9038%	6798	762	8.9	2	59	59	-.5400	3.7301E-07
45	13.42	0.0000	0.0404%	6323	667	9.5	2		59		2.0757E-09
46	13.74 ENDRIN	0.0043	13.2812%	8840	1602	5.5	2	59	59	-.6357	4.8820E-07
47	13.92	0.0000	0.0231%	3620	654	5.5	2		59		2.0757E-09
48	14.07 ENDO II	0.0021	6.5191%	5063	893	5.7	2	59	59	.3270	4.1834E-07
49	14.62	0.0001	0.2086%	32659	3050	10.7	2		59		2.0757E-09
50	14.82	0.0001	0.4208%	65867	12778	5.2	2		59		2.0757E-09
51	15.22	0.0000	0.0169%	2652	360	7.4	2		59		2.0757E-09
52	15.41	0.0000	0.0204%	3195	624	5.1	2		59		2.0757E-09
53	15.74	0.0001	0.4469%	69962	6678	10.5	2		59		2.0757E-09
54	16.36	0.0000	0.0665%	10408	1513	6.9	2		59		2.0757E-09
55	16.68 METHOXYCHLOR	0.0038	11.7039%	4338	367	11.8	1	59	59	-.1111	8.7674E-07
56	17.18	0.0001	0.2063%	32296	5081	6.4	2		59		2.0757E-09
57	17.45	0.0000	0.1127%	17646	2440	7.2	2		59		2.0757E-09
58	17.70	0.0001	0.1648%	25801	3253	7.9	2		59		2.0757E-09
59	18.78 MIREX	1.0000	0.0000%	481772	62210	7.7	1	59	59	0	2.0757E-06
60	23.56	0.0000	0.0479%	7504	642	11.7	1		59		2.0757E-09
61	24.08	0.0000	0.0727%	11384	817	13.9	2		59		2.0757E-09
62	24.68	0.0000	0.0443%	6929	615	11.3	2		59		2.0757E-09
63	26.45	0.0019	5.7683%	902990	67753	13.3	1		59		2.0757E-09

TOTAL AMOUNT = 0.0325

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD33.PTS Printed on 05-27-1993 at 09:55:59
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 10:05:54 Version 4.1 **********

* Sample Name: 93ZE33S38 SF 1187 Data File: J:2HOD33 *

* Date: 05-26-1993 14:33:17 Method: J:2PESTBI 05-26-1993 14:10:49 # 602*

* Interface: 0 Cycle#: 33 Operator KM Channel#: 1 Vial#: N.A. *

* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *

* Solvent Description: ULTRA HIGH PURITY NITROGEN *

* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *

* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *

* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00

Area reject: 0 One sample per 1.002 sec.

Amount injected: 1.00 Dilution factor: 10.00

Internal Standard Amount: 1

Sample Weight: 1.000000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.05		0.0001	0.0431%	64096	20099	3.2	1		59		2.0757E-09
2	3.65		0.0001	0.0232%	34431	8084	4.3	2		59		2.0757E-09
3	3.84		0.0000	0.0032%	4751	648	7.3	2		59		2.0757E-09
4	4.17		0.0000	0.0063%	9321	798	11.7	2		59		2.0757E-09
5	4.29		0.0000	0.0060%	8879	1528	5.8	2		59		2.0757E-09
6	4.47		0.0000	0.0031%	4536	862	5.3	2		59		2.0757E-09
7	4.55		0.0000	0.0059%	8711	1619	5.4	2		59		2.0757E-09
8	4.90		0.0000	0.0014%	2077	481	4.3	1		59		2.0757E-09
9	5.17		0.0001	0.0413%	61337	10408	5.9	3		59		2.0757E-09
10	5.52		0.0000	0.0064%	9508	967	9.8	4		59		2.0757E-09
11	5.77		0.0000	0.0034%	5106	1123	4.5	2		59		2.0757E-09
12	5.92		0.0000	0.0156%	23191	1984	11.7	2		59		2.0757E-09
13	6.17		0.0000	0.0075%	11203	1433	7.8	2		59		2.0757E-09
14	6.46		0.0000	0.0034%	5116	1020	5.0	2		59		2.0757E-09
15	6.57		0.0000	0.0058%	8641	1861	4.6	2		59		2.0757E-09
16	6.74		0.0000	0.0047%	6954	2008	3.5	2		59		2.0757E-09
17	6.86		0.0000	0.0079%	11720	1645	7.1	2		59		2.0757E-09
18	7.07	TCMX	0.0976	31.6581%	320878	81284	3.9	3	59	59	0	3.0428E-07
19	7.28		0.0000	0.0051%	7587	1938	3.9	4		59		2.0757E-09
20	7.54		0.0000	0.0058%	8646	889	9.7	4		59		2.0757E-09
21	7.66		0.0000	0.0050%	7385	1975	3.7	2		59		2.0757E-09
22	7.83		0.0001	0.0421%	62495	6696	9.3	2		59		2.0757E-09
23	8.24		0.0000	0.0077%	11469	1665	6.9	1		59		2.0757E-09
24	8.66		0.0000	0.0032%	4715	630	7.5	2		59		2.0757E-09
25	8.81		0.0000	0.0089%	13157	1795	7.3	2		59		2.0757E-09
26	8.93		0.0000	0.0052%	7668	1759	4.4	2		59		2.0757E-09
~~27~~	~~9.06~~	~~D-BHC~~	~~0.0020~~	~~0.6340%~~	~~5035~~	~~719~~	~~7.0~~	~~2~~	~~59~~	~~59~~	~~0~~	~~3.8831E-07~~
28	9.26		0.0000	0.0064%	9466	2416	3.9	2		59		2.0757E-09
29	9.58		0.0000	0.0082%	12215	1912	6.4	2		59		2.0757E-09
30	9.68		0.0001	0.0243%	36093	4025	9.0	2		59		2.0757E-09
31	10.08		0.0000	0.0128%	19014	2309	8.2	2		59		2.0757E-09
32	10.23		0.0000	0.0061%	8990	1016	8.8	2		59		2.0757E-09
33	10.46		0.0000	0.0152%	22594	2005	11.3	2		59		2.0757E-09
34	10.62		0.0000	0.0145%	21516	2805	7.7	2		59		2.0757E-09
35	10.78		0.0001	0.0433%	64400	7744	8.3	2		59		2.0757E-09
36	11.08		0.0000	0.0162%	24054	2051	11.7	2		59		2.0757E-09
37	11.48		0.0000	0.0116%	17174	2156	8.0	2		59		2.0757E-09
38	11.68		0.0000	0.0097%	14434	1834	7.9	2		59		2.0757E-09

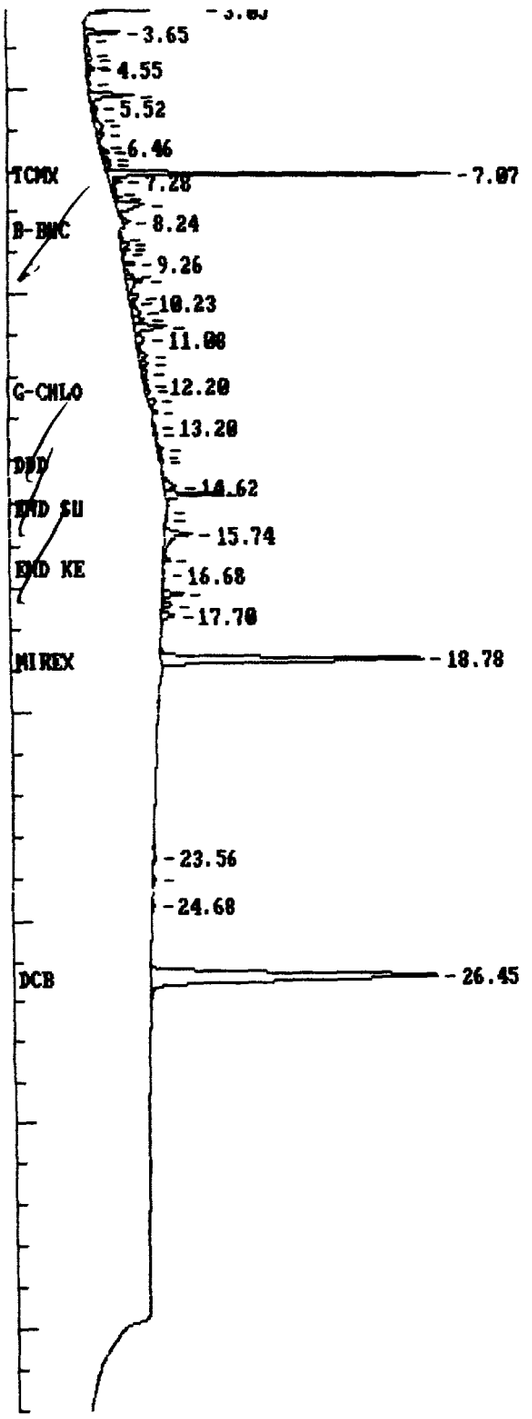
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	12.20	0.0000	0.0093%	13886	850	16.3	2		59		2.0757E-09
~~41~~	~~12.35 G-CHLOR~~	~~0.0030~~	~~0.9862%~~	~~9480~~	~~1284~~	~~7.4~~	~~2~~	~~59~~	~~59~~	~~.1353~~	~~3.2093E-07~~
~~42~~	~~12.59 A-CHLOR~~	~~0.0037~~	~~1.1934%~~	~~11430~~	~~1516~~	~~7.5~~	~~1~~	~~59~~	~~59~~	~~-.9202~~	~~3.2200E-07~~
43	12.87	0.0000	0.0029%	4360	1087	4.0	1		59		2.0757E-09
44	13.20	0.0000	0.0046%	6798	762	8.9	2		59		2.0757E-09
45	13.42	0.0000	0.0043%	6323	667	9.5	2		59		2.0757E-09
46	13.74	0.0000	0.0059%	8840	1602	5.5	2		59		2.0757E-09
47	13.92	0.0000	0.0024%	3620	654	5.5	2		59		2.0757E-09
~~48~~	~~14.07 DDD~~	~~0.0024~~	~~0.7674%~~	~~5063~~	~~893~~	~~5.7~~	~~2~~	~~59~~	~~59~~	~~-.1185~~	~~4.6744E-07~~
49	14.62	0.0001	0.0220%	32659	3050	10.7	2		59		2.0757E-09
50	14.82	0.0001	0.0443%	65867	12778	5.2	2		59		2.0757E-09
~~51~~	~~15.22 END SULFATE~~	~~0.0014~~	~~0.4684%~~	~~2652~~	~~360~~	~~7.4~~	~~2~~	~~59~~	~~59~~	~~.8853~~	~~5.4478E-07~~
52	15.41	0.0000	0.0022%	3195	624	5.1	2		59		2.0757E-09
53	15.74	0.0001	0.0471%	69962	6678	10.5	2		59		2.0757E-09
54	16.36	0.0000	0.0070%	10408	1513	6.9	2		59		2.0757E-09
~~55~~	~~16.68 END KETONE~~	~~0.0016~~	~~0.5250%~~	~~4338~~	~~367~~	~~11.8~~	~~1~~	~~59~~	~~59~~	~~.9094~~	~~3.7326E-07~~
56	17.18	0.0001	0.0217%	32296	5081	6.4	2		59		2.0757E-09
57	17.45	0.0000	0.0119%	17646	2440	7.2	2		59		2.0757E-09
58	17.70	0.0001	0.0174%	25801	3253	7.9	2		59		2.0757E-09
59	18.78 MIREX	1.0000	0.0000%	481772	62210	7.7	1	59	59	0	2.0757E-06
60	23.56	0.0000	0.0051%	7504	642	11.7	1		59		2.0757E-09
61	24.08	0.0000	0.0077%	11384	817	13.9	2		59		2.0757E-09
62	24.68	0.0000	0.0047%	6929	615	11.3	2		59		2.0757E-09
63	26.45 DCB	0.1946	63.0997%	902990	67753	13.3	1	59	59	0	2.1551E-07

TOTAL AMOUNT = 0.3084

KM
5-27-93

SECONDARY COLUMN

Data File = J:2HOD33.PTS Printed on 05-27-1993 at 10:07:16
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-27-93

PRIMARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 05-28-1993 13:44:05 Version 4.1 **********

* Sample Name: 93ZE33D38 SF 1187 Data File: J:1HOD33 *
* Date: 05-26-1993 14:33:18 Method: J:1PESTAI 05-26-1993 11:46:48 # 327*
* Interface: 0 Cycle#: 33 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.020000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0134%	1414	396	3.6	1		45		5.8591E-09
2	3.28		0.0000	0.0733%	7721	1333	5.8	2		45		5.8591E-09
3	3.42		0.0000	0.0679%	7151	1334	5.4	2		45		5.8591E-09
4	3.65		0.0000	0.0531%	5595	1365	4.1	1		45		5.8591E-09
5	3.90		0.0002	0.3021%	31837	3833	8.3	1		45		5.8591E-09
6	4.55		0.0001	0.1038%	10938	2217	4.9	1		45		5.8591E-09
7	4.85		0.0001	0.2189%	23075	3094	7.5	2		45		5.8591E-09
8	5.10		0.0001	0.1197%	12612	1546	8.2	2		45		5.8591E-09
9	5.35		0.0000	0.0464%	4895	562	8.7	2		45		5.8591E-09
10	5.72		0.0001	0.0879%	9261	1158	8.0	2		45		5.8591E-09
11	6.04		0.0000	0.0138%	1459	231	6.3	2		45		5.8591E-09
12	6.26		0.0000	0.0256%	2699	422	6.4	2		45		5.8591E-09
13	6.41		0.0000	0.0304%	3205	516	6.2	2		45		5.8591E-09
14	6.69		0.0001	0.1115%	11747	1743	6.7	2		45		5.8591E-09
15	7.04		0.0007	1.1610%	122364	32390	3.8	2		45		5.8591E-09
16	7.73		0.0001	0.0810%	8538	689	12.4	2		45		5.8591E-09
17	8.03		0.0000	0.0631%	6648	730	9.1	2		45		5.8591E-09
18	8.33		0.0001	0.1856%	19566	1588	12.3	2		45		5.8591E-09
19	8.64		0.0000	0.0495%	5218	838	6.2	2		45		5.8591E-09
20	9.00		0.0001	0.0998%	10515	1818	5.8	2		45		5.8591E-09
21	9.20		0.0000	0.0432%	4556	963	4.7	2		45		5.8591E-09
22	9.38		0.0000	0.0216%	2274	587	3.9	1		45		5.8591E-09
23	10.05		0.0000	0.0564%	5948	1210	4.9	1		45		5.8591E-09
24	10.33		0.0000	0.0203%	2135	524	4.1	2		45		5.8591E-09
~~25~~	~~10.46~~	~~HEPTACHLOR~~	~~0.0073~~	~~11.7860%~~	~~5961~~	~~779~~	~~7.6~~	~~2~~	~~45~~	~~45~~	~~.2395~~	~~1.2210E-06~~
26	10.63		0.0000	0.0394%	4157	869	4.8	2		45		5.8591E-09
27	10.92		0.0000	0.0203%	2144	659	3.3	2		45		5.8591E-09
28	11.03		0.0000	0.0443%	4668	940	5.0	2		45		5.8591E-09
29	11.62		0.0000	0.0206%	2172	264	8.2	1		45		5.8591E-09
30	11.83		0.0001	0.0830%	8749	2254	3.9	1		45		5.8591E-09
31	12.32		0.0000	0.0414%	4367	801	5.5	1		45		5.8591E-09
32	12.77		0.0000	0.0271%	2857	360	7.9	2		45		5.8591E-09
33	13.00		0.0000	0.0548%	5779	1286	4.5	2		45		5.8591E-09
34	13.74		0.0000	0.0512%	5398	219	24.7	1		45		5.8591E-09
35	14.42		0.0000	0.0699%	7371	453	16.3	2		45		5.8591E-09

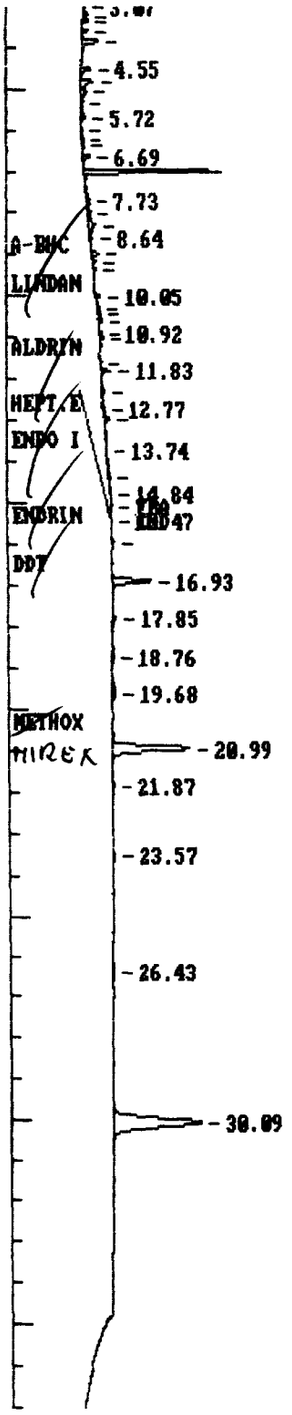
[illegible]	[illegible]	0.0000	[illegible]	4565	[illegible]	[illegible]	[illegible]		45		5.8591E-09
37	15.09	0.0000	0.0238%	2512	378	6.6	1		45		5.8591E-09
38	7.04	0.0465	75.2819%	7934416	45331	175.0	1		45		5.8591E-09
39	15.47	0.0000	0.0208%	2190	71	30.7	1		45		5.8591E-09
~~40~~	~~15.98 ENDO II~~	~~0.0034~~	~~5.4591%~~	~~2697~~	~~509~~	~~5.3~~	~~1~~	~~45~~	~~45~~	~~.8172~~	~~1.2500E-06~~
41	16.93	0.0003	0.5638%	59425	9116	6.5	1		45		5.8591E-09
42	17.85	0.0000	0.0621%	6548	902	7.3	1		45		5.8591E-09
43	18.76	0.0000	0.0196%	2067	227	9.1	1		45		5.8591E-09
44	19.68	0.0001	0.1226%	12926	681	19.0	1		45		5.8591E-09
45	20.99 MIREX	1.0000	0.0000%	167329	18170	9.2	1	45	45	0	5.9763E-06
46	21.87	0.0000	0.0259%	2731	243	11.2	1		45		5.8591E-09
47	23.57	0.0000	0.0608%	6406	470	13.6	1		45		5.8591E-09
48	26.43	0.0000	0.0282%	2968	222	13.4	1		45		5.8591E-09
49	30.09	0.0019	3.0006%	316254	20712	15.3	1		45		5.8591E-09

TOTAL AMOUNT = 0.0618

KM
5-28-93

PRIMARY COLUMN

Data File = J:1HOD33.PTS Printed on 05-28-1993 at 13:45:08
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

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

********** 05-28-1993 13:00:13 Version 4.1 **********

* Sample Name: 93ZE33D38 SF 1187 Data File: J:1HOD33 *
* Date: 05-26-1993 14:33:18 Method: J:1PESTB 05-26-1993 14:41:15 # 558 *
* Interface: 0 Cycle#: 33 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Sample Weight: 1.020000

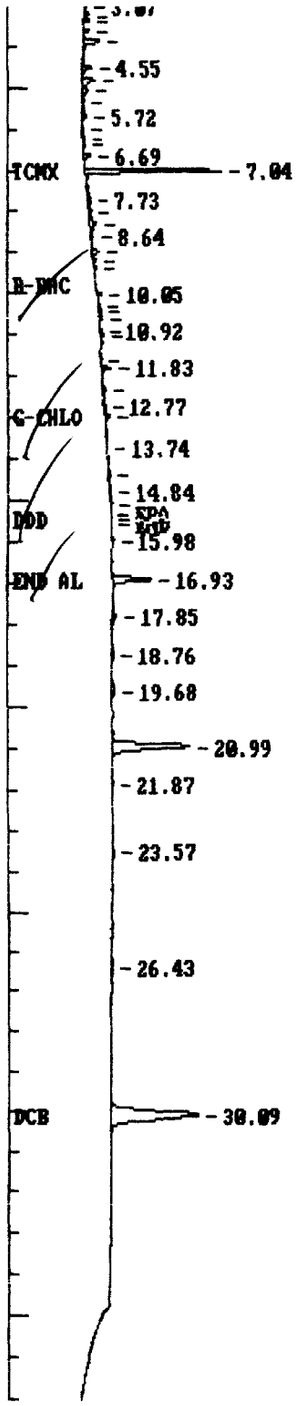
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		1.3861	0.3085%	1414	396	3.6	1			9.8039E-04
2	3.28		7.5701	1.6849%	7721	1333	5.8	2			9.8039E-04
3	3.42		7.0113	1.5605%	7151	1334	5.4	2			9.8039E-04
4	3.65		5.4855	1.2209%	5595	1365	4.1	1			9.8039E-04
5	3.90		31.2123	6.9468%	31837	3833	8.3	1			9.8039E-04
6	4.55		10.7239	2.3868%	10938	2217	4.9	1			9.8039E-04
7	4.85		22.6224	5.0350%	23075	3094	7.5	2			9.8039E-04
8	5.10		12.3650	2.7520%	12612	1546	8.2	2			9.8039E-04
9	5.35		4.7992	1.0681%	4895	562	8.7	2			9.8039E-04
10	5.72		9.0794	2.0208%	9261	1158	8.0	2			9.8039E-04
11	6.04		1.4308	0.3184%	1459	231	6.3	2			9.8039E-04
12	6.26		2.6459	0.5889%	2699	422	6.4	2			9.8039E-04
13	6.41		3.1425	0.6994%	3205	516	6.2	2			9.8039E-04
14	6.69		11.5166	2.5632%	11747	1743	6.7	2			9.8039E-04
15	7.04	TCMX	0.0781	0.0174%	122364	32390	3.8	2	15	0	6.3817E-07
16	7.73		8.3709	1.8631%	8538	689	12.4	2			9.8039E-04
17	8.03		6.5173	1.4505%	6648	730	9.1	2			9.8039E-04
18	8.33		19.1827	4.2694%	19566	1588	12.3	2			9.8039E-04
19	8.64		5.1152	1.1385%	5218	838	6.2	2			9.8039E-04
20	9.00		10.3084	2.2943%	10515	1818	5.8	2			9.8039E-04
21	9.20		4.4663	0.9940%	4556	963	4.7	2			9.8039E-04
22	9.38		2.2290	0.4961%	2274	587	3.9	1			9.8039E-04
23	10.05		5.8312	1.2978%	5948	1210	4.9	1			9.8039E-04
24	10.33		2.0928	0.4658%	2135	524	4.1	2			9.8039E-04
25	10.46		5.8437	1.3006%	5961	779	7.6	2			9.8039E-04
~~26~~	~~10.63~~	~~D-BHC~~	~~0.0040~~	~~0.0009%~~	~~4157~~	~~869~~	~~4.8~~	~~2~~	~~26~~	~~0~~	~~9.6285E-07~~
27	10.92		2.1021	0.4679%	2144	659	3.3	2			9.8039E-04
28	11.03		4.5762	1.0185%	4668	940	5.0	2			9.8039E-04
29	11.62		2.1297	0.4740%	2172	264	8.2	1			9.8039E-04
30	11.83		8.5779	1.9092%	8749	2254	3.9	1			9.8039E-04
31	12.32		4.2811	0.9528%	4367	801	5.5	1			9.8039E-04
32	12.77		2.8010	0.6234%	2857	360	7.9	2			9.8039E-04
~~33~~	~~13.00~~	~~G-CHLORDANE~~	~~0.0047~~	~~0.0010%~~	~~5779~~	~~1286~~	~~4.5~~	~~2~~	~~33~~	~~0~~	~~8.1393E-07~~
~~34~~	~~13.74~~	~~DDE~~	~~0.0054~~	~~0.0012%~~	~~5516~~	~~225~~	~~24.5~~	~~2~~	~~34~~	~~0~~	~~9.7649E-07~~
35	14.42		10.7345	2.3892%	10949	570	19.2	2			9.8039E-04
36	14.84		8.7598	1.9496%	8935	534	16.7	2			9.8039E-04

37	15.09	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
38	15.47 DDD	0.0179	0.0040%	9687	135	71.7	1	38	0	1.8462E-06
39	15.98	2.6440	0.5885%	2697	509	5.3	1			9.8039E-04
40	16.93 END ALDEHYDE	0.0740	0.0165%	59425	9116	6.5	1	40	0	1.2460E-06
41	17.85	6.4197	1.4288%	6548	902	7.3	1			9.8039E-04
42	18.76	2.0261	0.4509%	2067	227	9.1	1			9.8039E-04
43	19.68	12.6724	2.8205%	12926	681	19.0	1			9.8039E-04
44	20.99	164.0480	36.5117%	167329	18170	9.2	1			9.8039E-04
45	21.87	2.6779	0.5960%	2731	243	11.2	1			9.8039E-04
46	23.57	6.2802	1.3978%	6406	470	13.6	1			9.8039E-04
47	26.43	2.9102	0.6477%	2968	222	13.4	1			9.8039E-04
48	30.09 DCB	0.1989	0.0443%	316254	20712	15.3	1	48	0	6.2902E-07

TOTAL AMOUNT = 449.3024

PRIMARY COLUMN

Data File = J:1HOD33.PTS Printed on 05-28-1993 at 13:01:15
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-26-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-27-1993 09:56:54 Version 4.1 **********

* Sample Name: 93ZE33D38 SF 1187 Data File: J:2HOD34 *
* Date: 05-26-1993 16:00:22 Method: J:2PESTAI 05-26-1993 09:29:45 # 318*
* Interface: 0 Cycle#: 34 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.020000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0001	0.1995%	27827	7900	3.5	1		55		2.0740E-09
2	3.65		0.0001	0.3678%	51312	10895	4.7	2		55		2.0740E-09
3	3.84		0.0000	0.1514%	21121	2181	9.7	2		55		2.0740E-09
4	4.22		0.0001	0.2952%	41186	3207	12.8	2		55		2.0740E-09
5	4.55		0.0000	0.0641%	8938	1626	5.5	2		55		2.0740E-09
6	4.90		0.0000	0.0137%	1911	498	3.8	1		55		2.0740E-09
7	5.17		0.0001	0.3773%	52634	8943	5.9	3		55		2.0740E-09
8	5.50		0.0000	0.0147%	2056	426	4.8	4		55		2.0740E-09
9	5.76		0.0000	0.0304%	4246	1026	4.1	2		55		2.0740E-09
10	5.92		0.0000	0.1104%	15397	1577	9.8	2		55		2.0740E-09
11	6.46		0.0000	0.0470%	6558	1155	5.7	2		55		2.0740E-09
12	6.57		0.0000	0.0688%	9599	2050	4.7	2		55		2.0740E-09
13	6.76		0.0000	0.0286%	3995	955	4.2	2		55		2.0740E-09
14	6.84		0.0000	0.0941%	13131	1952	6.7	2		55		2.0740E-09
15	7.07		0.0006	2.0179%	281533	70686	4.0	3		55		2.0740E-09
16	7.28		0.0000	0.0506%	7056	1853	3.8	4		55		2.0740E-09
17	7.48		0.0000	0.0450%	6273	747	8.4	4		55		2.0740E-09
18	7.66		0.0000	0.1171%	16341	3991	4.1	2		55		2.0740E-09
19	7.81		0.0001	0.4148%	57876	6158	9.4	2		55		2.0740E-09
20	8.23		0.0000	0.0608%	8482	1289	6.6	1		55		2.0740E-09
~~21~~	~~8.53~~	~~LINDANE~~	~~0.0009~~	~~3.1192%~~	~~2417~~	~~600~~	~~4.0~~	~~2~~	~~55~~	~~55~~	~~-.8816~~	~~3.7349E-07~~
22	8.83		0.0000	0.1631%	22761	1870	12.2	2		55		2.0740E-09
23	9.06		0.0000	0.0534%	7452	1250	6.0	2		55		2.0740E-09
24	9.26		0.0000	0.0715%	9980	2528	3.9	2		55		2.0740E-09
25	9.48		0.0000	0.0243%	3395	595	5.7	2		55		2.0740E-09
26	9.58		0.0000	0.0561%	7824	1966	4.0	2		55		2.0740E-09
27	9.68		0.0001	0.1999%	27888	4098	6.8	2		55		2.0740E-09
28	10.08		0.0000	0.1417%	19764	3548	5.6	1		55		2.0740E-09
29	10.46		0.0000	0.1333%	18599	2660	7.0	2		55		2.0740E-09
30	10.62		0.0000	0.1192%	16630	2673	6.2	2		55		2.0740E-09
31	10.83		0.0001	0.4324%	60333	8229	7.3	2		55		2.0740E-09
32	11.10		0.0000	0.1170%	16326	1634	10.0	2		55		2.0740E-09

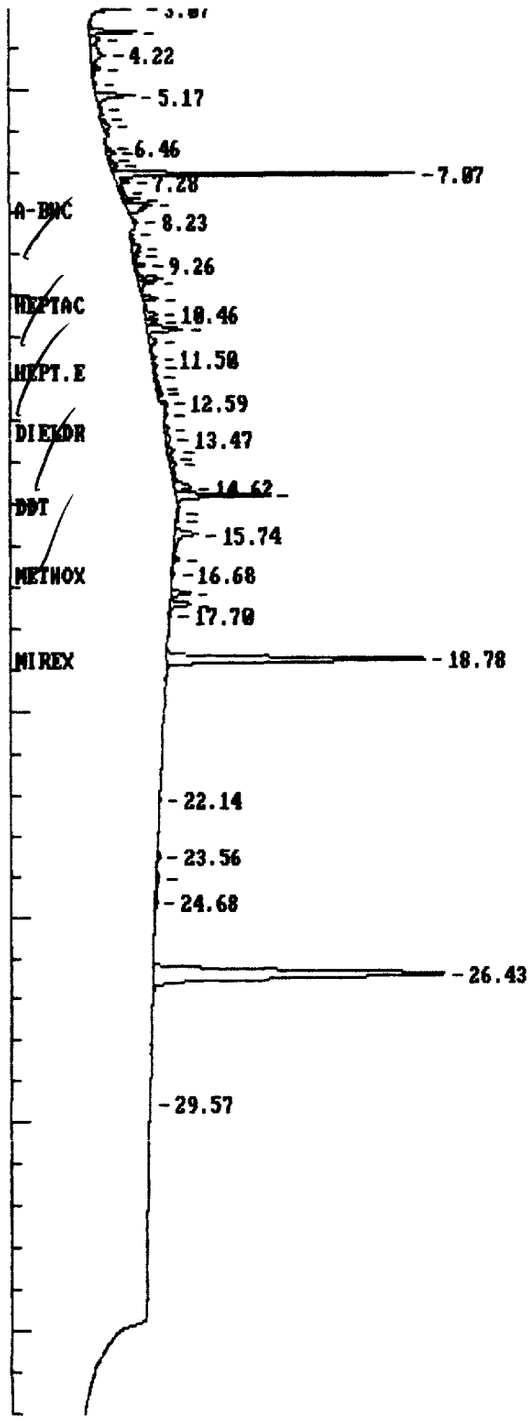
	[illegible]	0.0000									[illegible]
34	11.68 HEPTAEPOXIDE	0.0029	[illegible]	[illegible]	1183	6.4	2	55	55	-.9025	3.7705E-07
35	11.92	0.0000	0.0535%	7470	729	10.2	2		55		2.0740E-09
36	12.20	0.0000	0.0755%	10536	809	13.0	2		55		2.0740E-09
37	12.35	0.0000	0.0605%	8434	1127	7.5	2		55		2.0740E-09
38	12.59 ENDO I	0.0013	4.5801%	3112	893	3.5	1	55	55	-.5707	4.2590E-07
39	12.89	0.0000	0.0243%	3396	787	4.3	1		55		2.0740E-09
40	13.20 DIELDRIN	0.0020	6.8817%	5343	906	5.9	2	55	55	-.5400	3.7271E-07
41	13.47	0.0000	0.1080%	15062	1257	12.0	2		55		2.0740E-09
42	13.74 ENDRIN	0.0083	28.8246%	17098	2099	8.1	2	55	55	-.6357	4.8781E-07
43	13.92	0.0000	0.0720%	10047	1164	8.6	2		55		2.0740E-09
44	14.07 ENDO II	0.0057	19.7108%	13644	1624	8.4	2	55	55	.3270	4.1800E-07
45	14.62	0.0001	0.3624%	50555	3772	13.4	2		55		2.0740E-09
46	14.82	0.0002	0.7982%	111358	21896	5.1	2		55		2.0740E-09
47	15.26	0.0000	0.0192%	2676	441	6.1	2		55		2.0740E-09
48	15.41	0.0000	0.0234%	3268	657	5.0	2		55		2.0740E-09
49	15.74	0.0001	0.4098%	57178	5489	10.4	2		55		2.0740E-09
50	16.36	0.0000	0.0694%	9688	1493	6.5	2		55		2.0740E-09
51	16.68 METHOXYCHLOR	0.0033	11.5488%	3815	509	7.5	1	55	55	-.1111	8.7603E-07
52	17.18	0.0001	0.2144%	29910	4658	6.4	2		55		2.0740E-09
53	17.45	0.0001	0.2641%	36852	4934	7.5	2		55		2.0740E-09
54	17.70	0.0000	0.0187%	2607	420	6.2	2		55		2.0740E-09
55	18.78 MIREX	1.0000	0.0000%	472707	60517	7.8	1	55	55	0	2.1155E-06
56	22.14	0.0000	0.0128%	1789	210	8.5	1		55		2.0740E-09
57	23.56	0.0000	0.0461%	6431	615	10.5	1		55		2.0740E-09
58	24.09	0.0000	0.1009%	14079	931	15.1	2		55		2.0740E-09
59	24.68	0.0000	0.0371%	5176	450	11.5	2		55		2.0740E-09
60	26.43	0.0019	6.4867%	905006	68548	13.2	1		55		2.0740E-09
61	29.57	0.0000	0.0231%	3218	226	14.3	1		55		2.0740E-09

TOTAL AMOUNT = 0.0289

KM
5-28-93

SECONDARY COLUMN

Data File = J:2HOD34.PTS Printed on 05-27-1993 at 09:58:14
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

SECONDARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 05-28-1993 13:10:27 Version 4.1 **********

* Sample Name: 93ZE33D38 SF 1187 Data File: J:2HOD34 *
* Date: 05-26-1993 16:00:22 Method: J:2PESTBI 05-26-1993 14:10:49 # 602*
* Interface: 0 Cycle#: 34 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 0 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.020000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0001	0.0194%	27827	7900	3.5	1		55		2.0740E-09
2	3.65		0.0001	0.0357%	51312	10895	4.7	2		55		2.0740E-09
3	3.84		0.0000	0.0147%	21121	2181	9.7	2		55		2.0740E-09
4	4.22		0.0001	0.0287%	41186	3207	12.8	2		55		2.0740E-09
5	4.55		0.0000	0.0062%	8938	1626	5.5	2		55		2.0740E-09
6	4.90		0.0000	0.0013%	1911	498	3.8	1		55		2.0740E-09
7	5.17		0.0001	0.0366%	52634	8943	5.9	3		55		2.0740E-09
8	5.50		0.0000	0.0014%	2056	426	4.8	4		55		2.0740E-09
9	5.76		0.0000	0.0030%	4246	1026	4.1	2		55		2.0740E-09
10	5.92		0.0000	0.0107%	15397	1577	9.8	2		55		2.0740E-09
11	6.46		0.0000	0.0046%	6558	1155	5.7	2		55		2.0740E-09
12	6.57		0.0000	0.0067%	9599	2050	4.7	2		55		2.0740E-09
13	6.76		0.0000	0.0028%	3995	955	4.2	2		55		2.0740E-09
14	6.84		0.0000	0.0091%	13131	1952	6.7	2		55		2.0740E-09
15	7.07	TCMX	0.0856	28.7128%	281533	70686	4.0	3	55	55	0	3.0403E-07
16	7.28		0.0000	0.0049%	7056	1853	3.8	4		55		2.0740E-09
17	7.48		0.0000	0.0044%	6273	747	8.4	4		55		2.0740E-09
18	7.66		0.0000	0.0114%	16341	3991	4.1	2		55		2.0740E-09
19	7.81		0.0001	0.0403%	57876	6158	9.4	2		55		2.0740E-09
20	8.23		0.0000	0.0059%	8482	1289	6.6	1		55		2.0740E-09
~~21~~	~~8.53~~	~~B-BHC~~	~~0.0012~~	~~0.4065%~~	~~2417~~	~~600~~	~~4.0~~	~~2~~	~~55~~	~~55~~	~~.9888~~	~~5.0142E-07~~
22	8.83		0.0000	0.0158%	22761	1870	12.2	2		55		2.0740E-09
~~23~~	~~9.06~~	~~D-BHC~~	~~0.0029~~	~~0.9699%~~	~~7452~~	~~1250~~	~~6.0~~	~~2~~	~~55~~	~~55~~	~~0~~	~~3.9800E-07~~
24	9.26		0.0000	0.0069%	9980	2528	3.9	2		55		2.0740E-09
25	9.48		0.0000	0.0024%	3395	595	5.7	2		55		2.0740E-09
26	9.58		0.0000	0.0054%	7824	1966	4.0	2		55		2.0740E-09
27	9.68		0.0001	0.0194%	27888	4098	6.8	2		55		2.0740E-09
28	10.08		0.0000	0.0138%	19764	3548	5.6	1		55		2.0740E-09
29	10.46		0.0000	0.0129%	18599	2660	7.0	2		55		2.0740E-09
30	10.62		0.0000	0.0116%	16630	2673	6.2	2		55		2.0740E-09
31	10.83		0.0001	0.0420%	60333	8229	7.3	2		55		2.0740E-09
32	11.10		0.0000	0.0114%	16326	1634	10.0	2		55		2.0740E-09
33	11.50		0.0000	0.0046%	6576	1009	6.5	2		55		2.0740E-09
34	11.68		0.0000	0.0053%	7618	1183	6.4	2		55		2.0740E-09
35	11.92		0.0000	0.0052%	7470	729	10.2	2		55		2.0740E-09

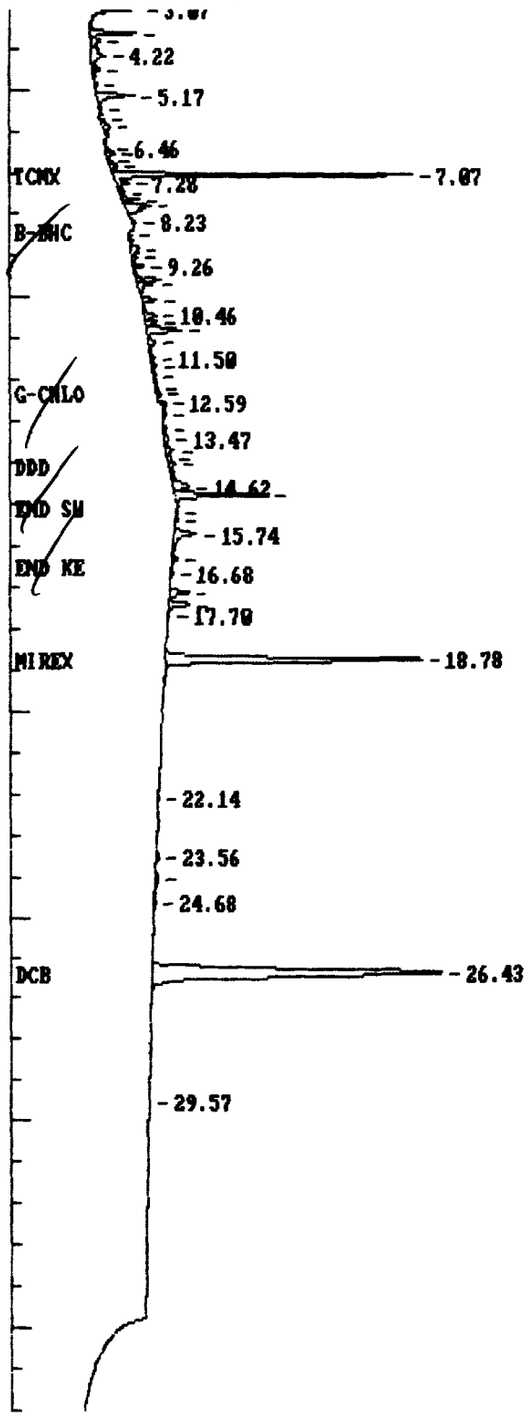
36	12.27	0.0000	0.0000%	[illegible]	[illegible]	13.0	[illegible]		55		2.0740E-09
~~37~~	~~12.35 G-CHLOR~~	~~0.0027~~	~~0.9070%~~	~~8434~~	~~1127~~	~~7.5~~	~~2~~	~~55~~	~~55~~	~~.1353~~	~~3.2057E-07~~
~~38~~	~~12.59 A-CHLOR~~	~~0.0010~~	~~0.3358%~~	~~3112~~	~~893~~	~~3.5~~	~~1~~	~~55~~	~~55~~	~~-.9202~~	~~3.2174E-07~~
39	12.89	0.0000	0.0024%	3396	787	4.3	1		55		2.0740E-09
40	13.20	0.0000	0.0037%	5343	906	5.9	2		55		2.0740E-09
41	13.47	0.0000	0.0105%	15062	1257	12.0	2		55		2.0740E-09
42	13.74	0.0000	0.0119%	17098	2099	8.1	2		55		2.0740E-09
43	13.92	0.0000	0.0070%	10047	1164	8.6	2		55		2.0740E-09
~~44~~	~~14.07 DDD~~	~~0.0064~~	~~2.1378%~~	~~13644~~	~~1624~~	~~8.4~~	~~2~~	~~55~~	~~55~~	~~-.1185~~	~~4.6706E-07~~
45	14.62	0.0001	0.0352%	50555	3772	13.4	2		55		2.0740E-09
46	14.82	0.0002	0.0775%	111358	21896	5.1	2		55		2.0740E-09
47	15.26	0.0000	0.0019%	2676	441	6.1	2		55		2.0740E-09
48	15.41	0.0000	0.0023%	3268	657	5.0	2		55		2.0740E-09
49	15.74	0.0001	0.0398%	57178	5489	10.4	2		55		2.0740E-09
50	16.36	0.0000	0.0067%	9688	1493	6.5	2		55		2.0740E-09
~~51~~	~~16.68 END KETONE~~	~~0.0014~~	~~0.4772%~~	~~3815~~	~~509~~	~~7.5~~	~~1~~	~~55~~	~~55~~	~~.9094~~	~~3.7296E-07~~
52	17.18	0.0001	0.0208%	29910	4658	6.4	2		55		2.0740E-09
53	17.45	0.0001	0.0256%	36852	4934	7.5	2		55		2.0740E-09
54	17.70	0.0000	0.0018%	2607	420	6.2	2		55		2.0740E-09
55	18.78 MIREX	1.0000	0.0000%	472707	60517	7.8	1	55	55	0	2.1155E-06
56	22.14	0.0000	0.0012%	1789	210	8.5	1		55		2.0740E-09
57	23.56	0.0000	0.0045%	6431	615	10.5	1		55		2.0740E-09
58	24.09	0.0000	0.0098%	14079	931	15.1	2		55		2.0740E-09
59	24.68	0.0000	0.0036%	5176	450	11.5	2		55		2.0740E-09
60	26.43 DCB	0.1949	65.3730%	905006	68548	13.2	1	55	55	0	2.1534E-07
61	29.57	0.0000	0.0022%	3218	226	14.3	1		55		2.0740E-09

TOTAL AMOUNT = 0.2981

KM
5-28-97

SECONDARY COLUMN

Data File = J:2HOD34.PTS Printed on 05-28-1993 at 13:11:47
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
5-28-93

PRIMARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 06-04-1993 12:44:56 Version 4.1 **********

* Sample Name: 93ZE33S39 SF 1187 Data File: J:1HOD34 *
* Date: 05-26-1993 16:00:23 Method: J:1PESTAK 06-04-1993 12:44:40 # 341*
* Interface: 0 Cycle#: 34 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN ~~Detector 1: DB-5 CONF~~ *
* Misc. Information: H.O.D. LANDFILL ~~SCRN:~~ * *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.030000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.42		0.0001	0.0147%	18127	3136	5.8	1		64		6.5497E-09
2	3.60		0.0000	0.0047%	5726	944	6.1	1		64		6.5497E-09
3	3.75		0.0001	0.0063%	7753	1972	3.9	1		64		6.5497E-09
4	3.89		0.0000	0.0039%	4782	1508	3.2	1		64		6.5497E-09
5	4.04		0.0001	0.0168%	20729	3215	6.4	1		64		6.5497E-09
6	4.30		0.0000	0.0024%	2987	1005	3.0	1		64		6.5497E-09
7	4.55		0.0002	0.0305%	37559	6573	5.7	1		64		6.5497E-09
8	4.72		0.0000	0.0010%	1286	353	3.6	1		64		6.5497E-09
9	5.20		0.0003	0.0329%	40420	2343	17.3	1		64		6.5497E-09
10	5.42		0.0003	0.0420%	51669	8711	5.9	1		64		6.5497E-09
11	5.72		0.0002	0.0188%	23120	2373	9.7	1		64		6.5497E-09
12	6.07		0.0000	0.0041%	5024	879	5.7	1		64		6.5497E-09
13	6.26		0.0001	0.0088%	10834	2011	5.4	1		64		6.5497E-09
14	6.52		0.0000	0.0018%	2170	684	3.2	1		64		6.5497E-09
15	6.77		0.0003	0.0392%	48273	5782	8.3	1		64		6.5497E-09
16	7.04		0.0012	0.1527%	187868	53891	3.5	1		64		6.5497E-09
17	7.28		0.0001	0.0074%	9134	2941	3.1	1		64		6.5497E-09
18	7.49		0.0000	0.0049%	6034	1562	3.9	1		64		6.5497E-09
19	7.59		0.0002	0.0213%	26167	7819	3.3	1		64		6.5497E-09
20	8.11		0.0002	0.0236%	29019	5585	5.2	1		64		6.5497E-09
21	8.23		0.0001	0.0092%	11338	2606	4.4	1		64		6.5497E-09
22	8.44		0.0000	0.0035%	4266	1244	3.4	1		64		6.5497E-09
23	8.63		0.0002	0.0192%	23611	3214	7.3	1		64		6.5497E-09
24	8.91		0.0000	0.0031%	3869	1232	3.1	1		64		6.5497E-09
25	9.01		0.0002	0.0291%	35782	7369	4.9	1		64		6.5497E-09
26	9.30		0.0010	0.1291%	158842	26063	6.1	1		64		6.5497E-09
27	9.53		0.0007	0.0889%	109332	14891	7.3	1		64		6.5497E-09
28	9.88		0.0000	0.0026%	3236	875	3.7	1		64		6.5497E-09
29	10.06		0.0006	0.0785%	96626	21254	4.5	1		64		6.5497E-09
30	10.31		0.0000	0.0014%	1728	718	2.4	1		64		6.5497E-09
~~31~~	~~10.41~~	~~HEPTACHLOR~~	~~0.0126~~	~~1.5626%~~	~~7810~~	~~1499~~	~~5.2~~	~~1~~	~~64~~	~~64~~	~~-.3188~~	~~1.6123E-06~~
32	10.62		0.0002	0.0226%	27841	7501	3.7	1		64		6.5497E-09
33	10.75		0.0000	0.0031%	3832	1250	3.1	1		64		6.5497E-09
34	10.90		0.0000	0.0028%	3459	1116	3.1	1		64		6.5497E-09
35	11.03		0.0003	0.0378%	46525	8897	5.2	1		64		6.5497E-09
~~36~~	~~11.28~~	~~ALDRIN~~	~~0.0045~~	~~0.5603%~~	~~3360~~	~~750~~	~~4.5~~	~~1~~	~~64~~	~~64~~	~~.4355~~	~~1.3438E-06~~
37	11.43		0.0000	0.0016%	2008	588	3.4	1		64		6.5497E-09
38	11.53		0.0000	0.0015%	1878	585	3.2	1		64		6.5497E-09

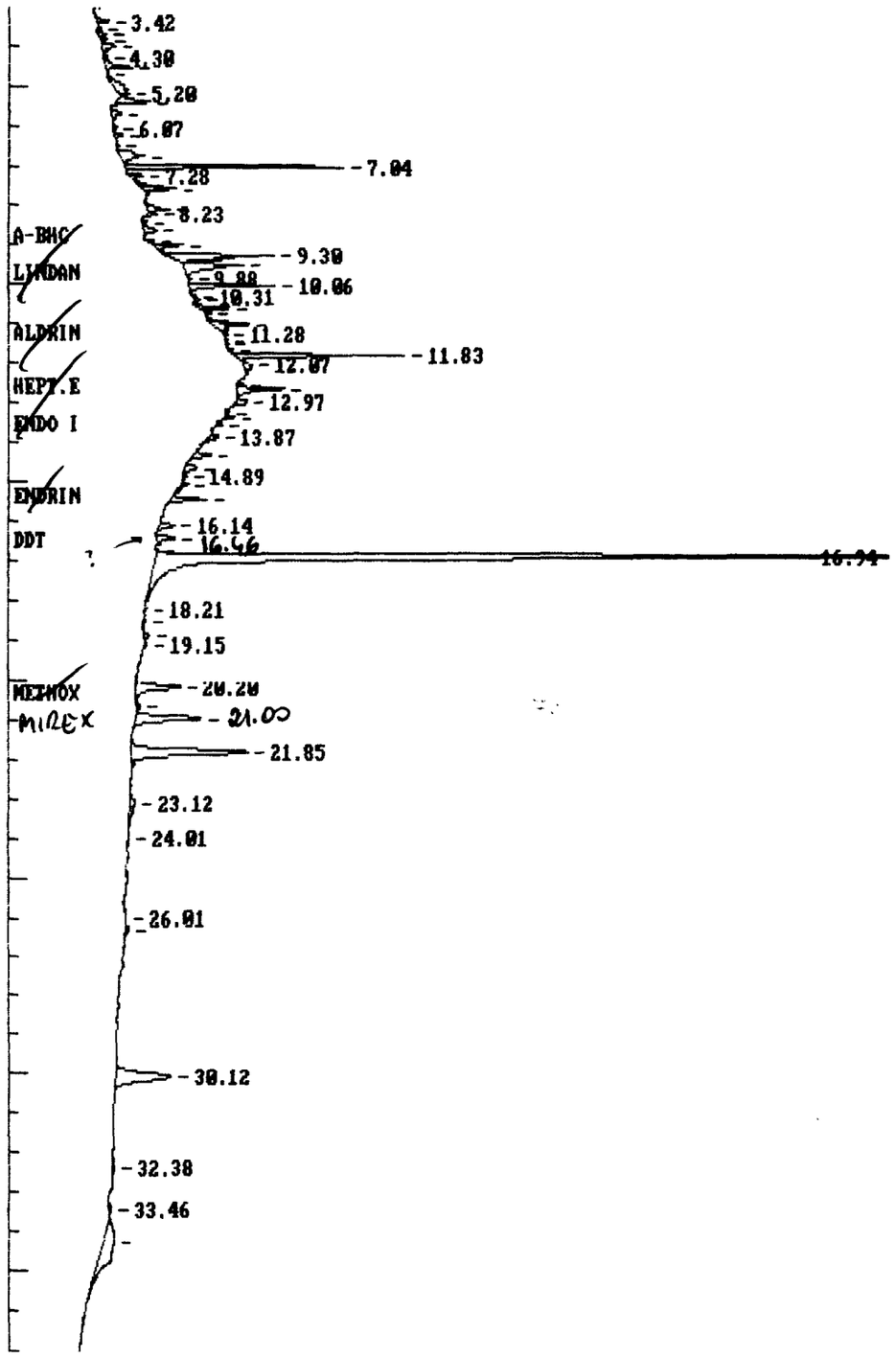
39	11.68	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	11.83	0.0010	0.1279%	157327	41594	3.8	1		64		6.5497E-09
41	12.07	0.0001	0.0141%	17371	2005	8.7	1		64		6.5497E-09
~~42~~	~~12.55 HEPT EPOXIDE~~	~~0.0057~~	~~0.7110%~~	~~3995~~	~~1246~~	~~3.2~~	~~1~~	~~64~~	~~64~~	~~-.1590~~	~~1.4342E-06~~
43	12.69	0.0004	0.0548%	67475	11477	5.9	1		64		6.5497E-09
44	12.97	0.0002	0.0249%	30666	2964	10.3	1		64		6.5497E-09
45	13.27	0.0000	0.0025%	3054	946	3.2	1		64		6.5497E-09
46	13.39	0.0001	0.0119%	14649	3062	4.8	1		64		6.5497E-09
~~47~~	~~13.59 ENDO I~~	~~0.0124~~	~~1.5363%~~	~~8514~~	~~2030~~	~~4.2~~	~~1~~	~~64~~	~~64~~	~~.7073~~	~~1.4541E-06~~
48	13.87	0.0001	0.0164%	20191	2169	9.3	1		64		6.5497E-09
~~49~~	~~14.34 DIELDRIN~~	~~0.0454~~	~~5.6333%~~	~~26845~~	~~4271~~	~~6.3~~	~~1~~	~~64~~	~~64~~	~~.3082~~	~~1.6910E-06~~
50	14.67	0.0002	0.0193%	23755	3152	7.5	1		64		6.5497E-09
51	14.89	0.0000	0.0042%	5157	1157	4.5	1		64		6.5497E-09
52	15.09	0.0001	0.0158%	19474	1969	9.9	1		64		6.5497E-09
53	15.49	0.0003	0.0363%	44696	9203	4.9	1		64		6.5497E-09
54	16.14	0.0002	0.0218%	26835	3745	7.2	1		64		6.5497E-09
55	16.46 DDT	0.0783	9.7222%	25933	4293	6.0	1	64	64	-.1590	3.0210E-06
56	16.74	0.0000	0.0016%	1953	498	3.9	1		64		6.5497E-09
57	16.94	0.0114	1.4094%	1734083	225652	7.7	1		64		6.5497E-09
58	18.21	0.0000	0.0019%	2358	426	5.5	1		64		6.5497E-09
59	18.53	0.0000	0.0017%	2048	412	5.0	1		64		6.5497E-09
60	18.92	0.0001	0.0067%	8242	1192	6.9	1		64		6.5497E-09
61	19.15	0.0000	0.0044%	5443	821	6.6	1		64		6.5497E-09
~~62~~	~~20.20 METHOXYCHLOR~~	~~0.6204~~	~~76.9885%~~	~~101507~~	~~10895~~	~~9.3~~	~~1~~	~~64~~	~~64~~	~~-.4060~~	~~6.1118E-06~~
63	20.69	0.0000	0.0059%	7229	966	7.5	1		64		6.5497E-09
64	21.00 MIREX	1.0000	0.0000%	148233	16361	9.1	1	64	64	0	6.7461E-06
65	21.85	0.0021	0.2573%	316543	28777	11.0	1		64		6.5497E-09
66	23.12	0.0002	0.0266%	32751	1169	28.0	1		64		6.5497E-09
67	24.01	0.0000	0.0033%	4014	279	14.4	1		64		6.5497E-09
68	26.01	0.0000	0.0047%	5760	297	19.4	1		64		6.5497E-09
69	26.33	0.0001	0.0097%	11935	1107	10.8	1		64		6.5497E-09
70	30.12	0.0013	0.1664%	204710	13691	15.0	1		64		6.5497E-09
71	32.38	0.0000	0.0046%	5678	369	15.4	1		64		6.5497E-09
72	33.46	0.0000	0.0059%	7232	507	14.3	1		64		6.5497E-09
73	34.30	0.0012	0.1518%	186717	2536	73.6	1		64		6.5497E-09

TOTAL AMOUNT = 0.8058

KM
6-4-93

PRIMARY COLUMN

Data File = J:1HOD34.PTS Printed on 06-04-1993 at 12:46:25
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-4-93

PRIMARY COLUMN

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*****   EXTERNAL STANDARD TABLE   *****
******************** 06-04-1993 14:19:57 Version 4.1 **********************
* Sample Name: 93ZE33S39 SF 1187                Data File: J:1HOD34       *
* Date: 05-26-1993 16:00:23 Method: J:1PESTBK  06-04-1993 13:12:17  #  600*
* Interface: 0   Cycle#:  34   Operator KM  Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500             *
*************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE   *
*            Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM            *
*            Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                  SERN:          *   *
*************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Sample Weight:          1.030000
```

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	3.42		17.5987	0.9247%	18127	3136	5.8	1			9.7087E-04
2	3.60		5.5596	0.2921%	5726	944	6.1	1			9.7087E-04
3	3.75		7.5276	0.3955%	7753	1972	3.9	1			9.7087E-04
4	3.89		4.6423	0.2439%	4782	1508	3.2	1			9.7087E-04
5	4.04		20.1256	1.0575%	20729	3215	6.4	1			9.7087E-04
6	4.30		2.9000	0.1524%	2987	1005	3.0	1			9.7087E-04
7	4.55		36.4650	1.9160%	37559	6573	5.7	1			9.7087E-04
8	4.72		1.2481	0.0656%	1286	353	3.6	1			9.7087E-04
9	5.20		39.2424	2.0619%	40420	2343	17.3	1			9.7087E-04
10	5.42		50.1637	2.6358%	51669	8711	5.9	1			9.7087E-04
11	5.72		22.4467	1.1794%	23120	2373	9.7	1			9.7087E-04
12	6.07		4.8772	0.2563%	5024	879	5.7	1			9.7087E-04
13	6.26		10.5181	0.5527%	10834	2011	5.4	1			9.7087E-04
14	6.52		2.1071	0.1107%	2170	684	3.2	1			9.7087E-04
15	6.77		46.8673	2.4626%	48273	5782	8.3	1			9.7087E-04
16	7.04	TCMX	0.1160	0.0061%	187868	53891	3.5	1	16	0	6.1751E-07
17	7.28		8.8682	0.4660%	9134	2941	3.1	1			9.7087E-04
18	7.49		5.8583	0.3078%	6034	1562	3.9	1			9.7087E-04
19	7.59		25.4046	1.3349%	26167	7819	3.3	1			9.7087E-04
20	8.11		28.1737	1.4804%	29019	5585	5.2	1			9.7087E-04
21	8.23		11.0074	0.5784%	11338	2606	4.4	1			9.7087E-04
22	8.44		4.1413	0.2176%	4266	1244	3.4	1			9.7087E-04
23	8.63		22.9234	1.2045%	23611	3214	7.3	1			9.7087E-04
24	8.91		3.7565	0.1974%	3869	1232	3.1	1			9.7087E-04
25	9.01		34.7397	1.8254%	35782	7369	4.9	1			9.7087E-04
26	9.30		154.2151	8.1031%	158842	26063	6.1	1			9.7087E-04
27	9.53		106.1473	5.5774%	109332	14891	7.3	1			9.7087E-04
~~28~~	~~9.88~~	~~D-BHC~~	~~0.0038~~	~~0.0002%~~	~~3236~~	~~875~~	~~3.7~~	~~1~~	~~28~~	~~0~~	~~1.1635E-06~~
29	10.06		93.8115	4.9292%	96626	21254	4.5	1			9.7087E-04
30	10.31		1.6776	0.0881%	1728	718	2.4	1			9.7087E-04
31	10.41		7.5821	0.3984%	7810	1499	5.2	1			9.7087E-04
~~32~~	~~10.62~~	~~D-BHC~~	~~0.0276~~	~~0.0014%~~	~~27841~~	~~7501~~	~~3.7~~	~~1~~	~~32~~	~~0~~	~~9.8985E-07~~
33	10.75		3.7200	0.1955%	3832	1250	3.1	1			9.7087E-04
34	10.90		3.3582	0.1765%	3459	1116	3.1	1			9.7087E-04
35	11.03		45.1698	2.3734%	46525	8897	5.2	1			9.7087E-04
36	11.28		3.2619	0.1714%	3360	750	4.5	1			9.7087E-04

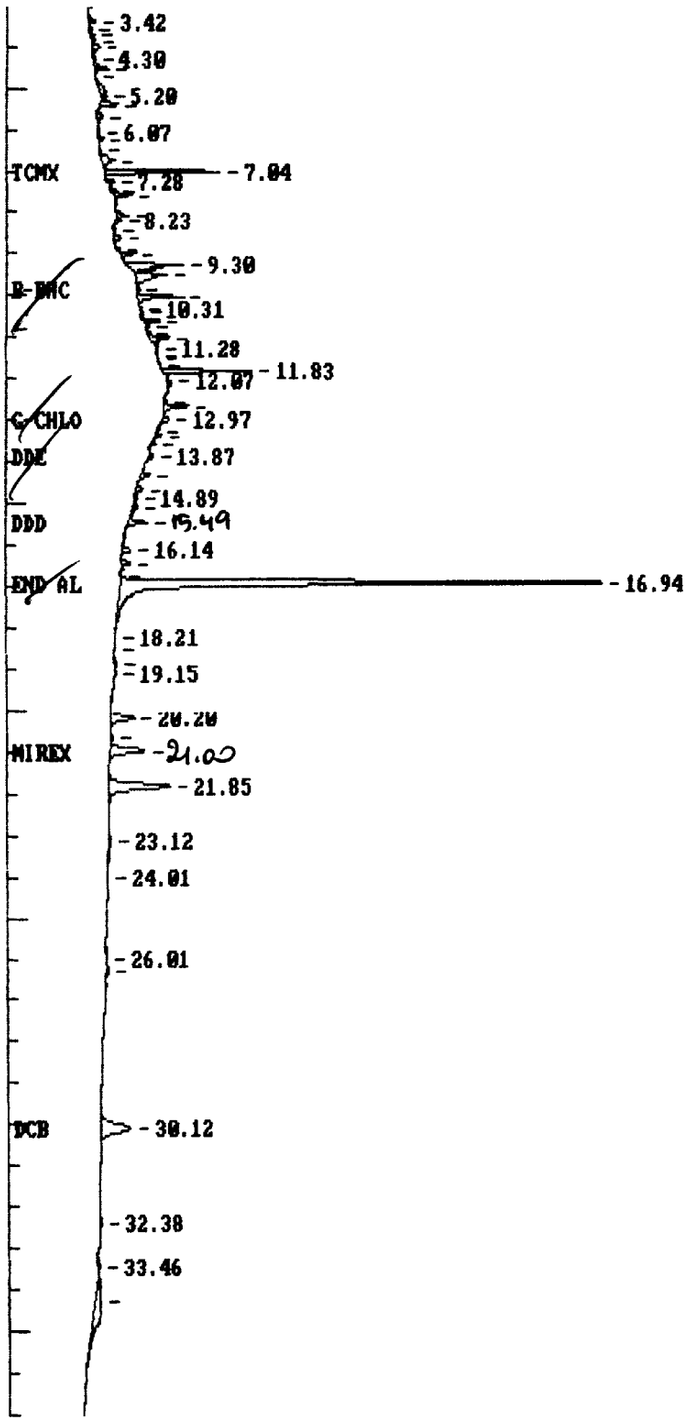
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
38	11.53		1.8231	0.0958%	1896	289	[illegible]	1			9.7087E-04
39	11.68		2.3746	0.1248%	2446	628	3.9	1			9.7087E-04
40	12.83		152.7447	8.0258%	157327	41544	3.8	1			9.7087E-04
41	12.07		16.8647	0.8861%	17371	2005	8.7	1			9.7087E-04
42	12.55		3.8786	0.2038%	3995	1246	3.2	1			9.7087E-04
43	12.69		65.5093	3.4421%	67475	11477	5.9	1			9.7087E-04
~~44~~	~~12.97~~	~~G-CHLORDANE~~	~~0.0238~~	~~0.0013%~~	~~30666~~	~~2964~~	~~10.3~~	~~1~~	~~44~~	~~0~~	~~7.7726E-07~~
45	13.27		2.9651	0.1558%	3054	946	3.2	1			9.7087E-04
~~46~~	~~13.39~~	~~A-CHLORDANE~~	~~0.0115~~	~~0.0006%~~	~~14649~~	~~3062~~	~~4.8~~	~~1~~	~~46~~	~~0~~	~~7.8231E-07~~
47	13.59		8.2660	0.4343%	8514	2030	4.2	1			9.7087E-04
~~48~~	~~13.87~~	~~DDE~~	~~0.0204~~	~~0.0011%~~	~~20191~~	~~2169~~	~~9.3~~	~~1~~	~~48~~	~~0~~	~~1.0114E-06~~
49	14.34		26.0628	1.3694%	26845	4271	6.3	1			9.7087E-04
50	14.67		23.0635	1.2118%	23755	3152	7.5	1			9.7087E-04
51	14.89		5.0071	0.2631%	5157	1157	4.5	1			9.7087E-04
52	15.09		18.9072	0.9935%	19474	1969	9.9	1			9.7087E-04
53	15.49	DDD	0.0884	0.0046%	44696	9203	4.9	1	53	0	1.9767E-06
54	16.14		26.0530	1.3689%	26835	3745	7.2	1			9.7087E-04
55	16.46		25.1774	1.3229%	25933	4293	6.0	1			9.7087E-04
56	16.74		1.8960	0.0996%	1953	498	3.9	1			9.7087E-04
~~57~~	~~16.94~~	~~END ALDEHYDE~~	~~2.2158~~	~~0.1164%~~	~~1734083~~	~~225652~~	~~7.7~~	~~1~~	~~57~~	~~0~~	~~1.2778E-06~~
58	18.21		2.2895	0.1203%	2358	426	5.5	1			9.7087E-04
59	18.53		1.9879	0.1045%	2048	412	5.0	1			9.7087E-04
60	18.92		8.0019	0.4205%	8242	1192	6.9	1			9.7087E-04
61	19.15		5.2848	0.2777%	5443	821	6.6	1			9.7087E-04
62	20.20		98.5501	5.1782%	101507	10895	9.3	1			9.7087E-04
63	20.69		7.0184	0.3688%	7229	966	7.5	1			9.7087E-04
64	21.00	MIREX	4.7507	0.2496%	148233	16361	9.1	1	64	0	3.2049E-05
65	21.85		307.3231	16.1480%	316543	28777	11.0	1			9.7087E-04
66	23.12		31.7974	1.6708%	32751	1169	28.0	1			9.7087E-04
67	24.01		3.8971	0.2048%	4014	279	14.4	1			9.7087E-04
68	26.01		5.5927	0.2939%	5760	297	19.4	1			9.7087E-04
69	26.33		11.5872	0.6088%	11935	1107	10.8	1			9.7087E-04
70	30.12	DCB	0.1201	0.0063%	204710	13691	15.0	1	70	0	5.8685E-07
71	32.38		5.5129	0.2897%	5678	369	15.4	1			9.7087E-04
72	33.46		7.0218	0.3690%	7232	507	14.3	1			9.7087E-04
73	34.30		181.2788	9.5251%	186717	2536	73.6	1			9.7087E-04

TOTAL AMOUNT = 1903.1708

KM
6-4-93

PRIMARY COLUMN

Data File = J:1HOD34.PTS Printed on 06-04-1993 at 14:21:26
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 400 millivolts



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6-4-93

SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 06-04-1993 12:49:12 Version 4.1 **********

* Sample Name: 93ZE33839 SF 1187 Data File: J:2HOD35 *
* Date: 05-26-1993 16:01:18 Method: J:2PESTAK 06-04-1993 12:48:38 # 331*
* Interface: 0 Cycle#: 35 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.030000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0001	0.0261%	32110	8264	3.9	1		68		2.4526E-09
2	3.23		0.0000	0.0064%	7916	2753	2.9	1		68		2.4526E-09
3	3.32		0.0000	0.0093%	11463	2889	4.0	1		68		2.4526E-09
4	3.53		0.0000	0.0143%	17635	3855	4.6	1		68		2.4526E-09
5	3.68		0.0000	0.0108%	13285	3337	4.0	1		68		2.4526E-09
6	3.99		0.0001	0.0442%	54420	4484	12.1	1		68		2.4526E-09
7	4.24		0.0002	0.0826%	101736	14967	6.8	1		68		2.4526E-09
8	4.54		0.0003	0.0977%	120406	14715	8.2	1		68		2.4526E-09
9	4.89		0.0000	0.0069%	8552	1926	4.4	1		68		2.4526E-09
10	5.02		0.0000	0.0045%	5514	1937	2.8	1		68		2.4526E-09
11	5.17		0.0003	0.0926%	114015	26344	4.3	1		68		2.4526E-09
12	5.47		0.0000	0.0159%	19531	2785	7.0	1		68		2.4526E-09
13	5.99		0.0001	0.0464%	57208	10683	5.4	1		68		2.4526E-09
14	6.11		0.0001	0.0205%	25314	6898	3.7	1		68		2.4526E-09
15	6.34		0.0002	0.0594%	73222	17661	4.1	1		68		2.4526E-09
16	6.57		0.0001	0.0238%	29281	4534	6.5	1		68		2.4526E-09
17	6.84		0.0001	0.0370%	45519	9926	4.6	1		68		2.4526E-09
18	6.96		0.0001	0.0207%	25482	6161	4.1	1		68		2.4526E-09
19	7.07		0.0010	0.3312%	407987	118294	3.4	1		68		2.4526E-09
20	7.36		0.0010	0.3456%	425688	52614	8.1	1		68		2.4526E-09
21	7.64		0.0000	0.0136%	16738	4604	3.6	1		68		2.4526E-09
~~22~~	~~7.91~~	~~A-BHC~~	~~0.0228~~	~~7.5498%~~	~~53937~~	~~9265~~	~~5.8~~	~~1~~	~~68~~	~~68~~	~~0~~	~~4.2290E-07~~
23	8.11		0.0000	0.0063%	7802	2995	2.6	1		68		2.4526E-09
24	8.31		0.0002	0.0566%	69723	11657	6.0	1		68		2.4526E-09
~~25~~	~~8.54~~	~~LINDANE~~	~~0.0332~~	~~11.0039%~~	~~69818~~	~~17093~~	~~4.1~~	~~1~~	~~68~~	~~68~~	~~-.7757~~	~~4.7617E-07~~
26	8.83		0.0006	0.1967%	242296	47492	5.1	1		68		2.4526E-09
27	9.06		0.0001	0.0183%	22569	6123	3.7	1		68		2.4526E-09
28	9.30		0.0000	0.0067%	8252	2566	3.2	1		68		2.4526E-09
29	9.38		0.0000	0.0030%	3639	1283	2.8	1		68		2.4526E-09
30	9.58		0.0008	0.2746%	338212	58146	5.8	1		68		2.4526E-09
31	9.78		0.0000	0.0137%	16897	4468	3.8	1		68		2.4526E-09
32	10.01		0.0002	0.0543%	66930	12918	5.2	1		68		2.4526E-09
33	10.38		0.0000	0.0028%	3394	1702	2.0	1		68		2.4526E-09
34	10.46		0.0002	0.0572%	70519	13700	5.1	1		68		2.4526E-09
35	10.70		0.0000	0.0055%	6836	2405	2.8	1		68		2.4526E-09
36	10.83		0.0010	0.3433%	422861	107555	3.9	1		68		2.4526E-09
37	11.15		0.0001	0.0461%	56770	13453	4.2	1		68		2.4526E-09
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]

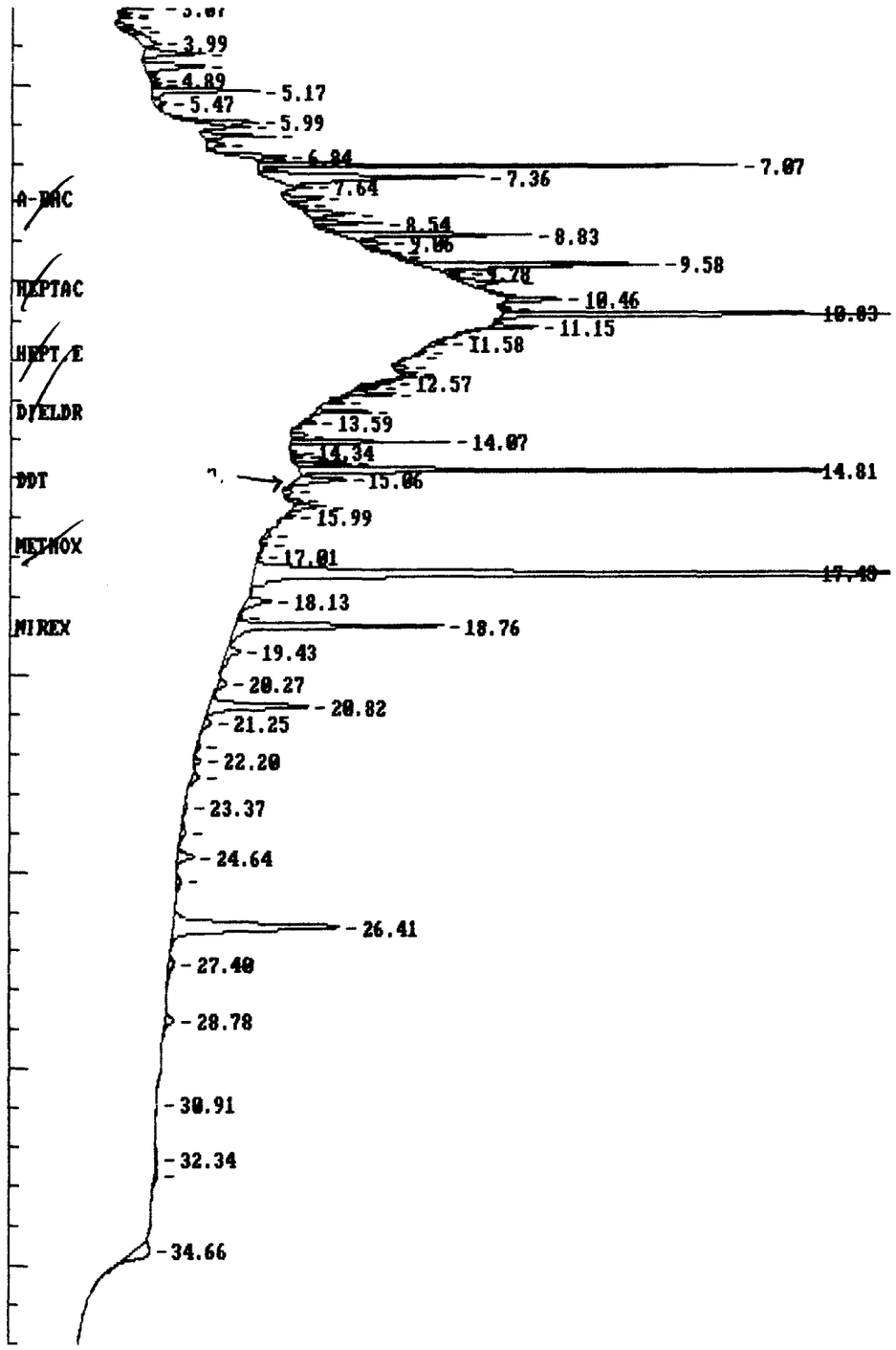
38	11.57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
39	11.58	0.0000	0.0144%	[illegible]	3855	4.[illegible]			[illegible]		[illegible]
~~40~~	~~11.80 HEPT.EPOXIDE~~	~~0.0034~~	~~1.1226%~~	~~6824~~	~~2224~~	~~3.1~~ 1	~~68~~	~~68~~	~~0~~		~~4.5702E-07~~
41	11.90	0.0000	0.0050%	6132	2374	2.6 1		68			2.4526E-09
42	12.17	0.0000	0.0138%	16967	3243	5.2 1		68			2.4526E-09
43	12.34	0.0000	0.0064%	7904	3075	2.6 1		68			2.4526E-09
44	12.42	0.0000	0.0134%	16454	4519	3.6 1		68			2.4526E-09
45	12.57	0.0000	0.0151%	18574	5590	3.3 1		68			2.4526E-09
~~46~~	~~12.69 ENDO I~~	~~0.0091~~	~~2.9966%~~	~~16295~~	~~5388~~	~~3.0~~ 1	~~68~~	~~68~~	~~.2639~~		~~5.5562E-07~~
47	12.87	0.0002	0.0549%	67593	12856	5.3 1		68			2.4526E-09
48	13.05	0.0000	0.0130%	16046	4561	3.5 1		68			2.4526E-09
~~49~~	~~13.29 DIELDRIN~~	~~0.0290~~	~~9.5866%~~	~~59494~~	~~14143~~	~~4.2~~ 1	~~68~~	~~68~~	~~.1258~~		~~4.8683E-07~~
50	13.59	0.0001	0.0181%	22295	3688	6.0 1		68			2.4526E-09
~~51~~	~~13.91 ENDRIN~~	~~0.0146~~	~~4.8373%~~	~~22936~~	~~3977~~	~~5.8~~ 1	~~68~~	~~68~~	~~.6041~~		~~6.3720E-07~~
~~52~~	~~14.07 ENDO II~~	~~0.0876~~	~~29.0009%~~	~~161352~~	~~39316~~	~~4.1~~ 1	~~68~~	~~68~~	~~.3572~~		~~5.4303E-07~~
53	14.34	0.0000	0.0050%	6123	1393	4.4 1		68			2.4526E-09
54	14.46	0.0000	0.0103%	12691	3248	3.9 1		68			2.4526E-09
55	14.66	0.0001	0.0464%	57202	13661	4.2 1		68			2.4526E-09
56	14.81	0.0016	0.5206%	641282	130100	4.9 1		68			2.4526E-09
57	15.06 DDT	0.0742	24.5654%	108870	12702	8.6 1	68	68	.1110		6.8171E-07
58	15.37	0.0000	0.0112%	13752	2092	6.6 1		68			2.4526E-09
59	15.59	0.0000	0.0088%	10885	2451	4.4 1		68			2.4526E-09
60	15.74	0.0001	0.0379%	46716	8019	5.8 1		68			2.4526E-09
61	15.99	0.0000	0.0110%	13563	3176	4.3 1		68			2.4526E-09
62	16.48	0.0000	0.0128%	15780	1831	8.6 1		68			2.4526E-09
~~63~~	~~16.71 METHOXYCHLOR~~	~~0.0105~~	~~3.4845%~~	~~8206~~	~~1518~~	~~5.4~~ 1	~~68~~	~~68~~	~~.2002~~		~~1.2829E-06~~
64	17.01	0.0000	0.0025%	3079	800	3.9 1		68			2.4526E-09
65	17.43	0.0047	1.5411%	1898458	242220	7.8 1		68			2.4526E-09
66	18.13	0.0002	0.0509%	62653	6241	10.0 1		68			2.4526E-09
67	18.55	0.0000	0.0043%	5295	959	5.5 1		68			2.4526E-09
68	18.76 MIREX	1.0000	0.0000%	395851	51108	7.7 1	68	68	0		2.5262E-06
69	19.43	0.0001	0.0430%	52978	3222	16.4 1		68			2.4526E-09
70	20.27	0.0001	0.0225%	27736	2302	12.0 1		68			2.4526E-09
71	20.82	0.0006	0.2077%	255884	24475	10.5 1		68			2.4526E-09
72	21.25	0.0001	0.0182%	22414	1938	11.6 1		68			2.4526E-09
73	21.84	0.0000	0.0061%	7537	762	9.9 1		68			2.4526E-09
74	22.20	0.0000	0.0113%	13889	1729	8.0 1		68			2.4526E-09
75	22.61	0.0001	0.0224%	27553	2023	13.6 1		68			2.4526E-09
76	23.37	0.0000	0.0052%	6383	563	11.3 1		68			2.4526E-09
77	24.04	0.0001	0.0168%	20683	1083	19.1 1		68			2.4526E-09
78	24.64	0.0001	0.0407%	50100	4110	12.2 1		68			2.4526E-09
79	25.28	0.0000	0.0155%	19040	1051	18.1 1		68			2.4526E-09
80	26.41	0.0014	0.4583%	564573	41339	13.7 1		68			2.4526E-09
81	27.40	0.0001	0.0249%	30686	1403	21.9 1		68			2.4526E-09
82	28.78	0.0001	0.0291%	35840	2255	15.9 1		68			2.4526E-09
83	30.91	0.0000	0.0069%	8442	337	25.0 1		68			2.4526E-09
84	32.34	0.0000	0.0074%	9111	456	20.0 1		68			2.4526E-09
85	32.74	0.0000	0.0065%	8050	459	17.6 1		68			2.4526E-09
86	34.66	0.0003	0.0879%	108312	4227	25.6 1		68			2.4526E-09

TOTAL AMOUNT = 0.3021

KM
6-4-93

SECONDARY COLUMN

Data File = J:2HOD35.PTS Printed on 06-04-1993 at 12:50:55
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-4-93

SECONDARY COLUMN

****** INTERNAL STANDARD TABLE ******

********** 06-04-1993 12:52:04 Version 4.1 **********

* Sample Name: 93ZE33S39 SF 1187 Data File: J:2HOD35 *
* Date: 05-26-1993 16:01:18 Method: J:2PESTBK 06-04-1993 12:47:47 # 616*
* Interface: 0 Cycle#: 35 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 5 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.030000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0001	0.0143%	32110	8264	3.9	1		68		2.4526E-09
2	3.23		0.0000	0.0035%	7916	2753	2.9	1		68		2.4526E-09
3	3.32		0.0000	0.0051%	11463	2889	4.0	1		68		2.4526E-09
4	3.53		0.0000	0.0079%	17635	3855	4.6	1		68		2.4526E-09
5	3.68		0.0000	0.0059%	13285	3337	4.0	1		68		2.4526E-09
6	3.99		0.0001	0.0243%	54420	4484	12.1	1		68		2.4526E-09
7	4.24		0.0002	0.0454%	101736	14967	6.8	1		68		2.4526E-09
8	4.54		0.0003	0.0537%	120406	14715	8.2	1		68		2.4526E-09
9	4.89		0.0000	0.0038%	8552	1926	4.4	1		68		2.4526E-09
10	5.02		0.0000	0.0025%	5514	1937	2.8	1		68		2.4526E-09
11	5.17		0.0003	0.0508%	114015	26344	4.3	1		68		2.4526E-09
12	5.47		0.0000	0.0087%	19531	2785	7.0	1		68		2.4526E-09
13	5.99		0.0001	0.0255%	57208	10683	5.4	1		68		2.4526E-09
14	6.11		0.0001	0.0113%	25314	6898	3.7	1		68		2.4526E-09
15	6.34		0.0002	0.0326%	73222	17661	4.1	1		68		2.4526E-09
16	6.57		0.0001	0.0131%	29281	4534	6.5	1		68		2.4526E-09
17	6.84		0.0001	0.0203%	45519	9926	4.6	1		68		2.4526E-09
18	6.96		0.0001	0.0114%	25482	6161	4.1	1		68		2.4526E-09
19	7.07	TCMX	0.1593	28.9517%	407987	118294	3.4	1	68	68	0	3.9036E-07
20	7.36		0.0010	0.1898%	425688	52614	8.1	1		68		2.4526E-09
21	7.64		0.0000	0.0075%	16738	4604	3.6	1		68		2.4526E-09
22	7.91		0.0001	0.0240%	53937	9265	5.8	1		68		2.4526E-09
23	8.11		0.0000	0.0035%	7802	2995	2.6	1		68		2.4526E-09
24	8.31		0.0002	0.0311%	69723	11657	6.0	1		68		2.4526E-09
25	8.54		0.0002	0.0311%	69818	17093	4.1	1		68		2.4526E-09
26	8.83		0.0006	0.1080%	242296	47492	5.1	1		68		2.4526E-09
~~27~~	~~9.06~~	~~D-BHC~~	~~0.0110~~	~~1.9961%~~	~~22569~~	~~6123~~	~~3.7~~	~~1~~	~~68~~	~~68~~	~~0~~	~~4.8652E-07~~
28	9.30		0.0000	0.0037%	8252	2566	3.2	1		68		2.4526E-09
29	9.38		0.0000	0.0016%	3639	1283	2.8	1		68		2.4526E-09
30	9.58		0.0008	0.1508%	338212	58146	5.8	1		68		2.4526E-09
31	9.78		0.0000	0.0075%	16897	4468	3.8	1		68		2.4526E-09
32	10.01		0.0002	0.0298%	66930	12918	5.2	1		68		2.4526E-09
33	10.38		0.0000	0.0015%	3394	1702	2.0	1		68		2.4526E-09
34	10.46		0.0002	0.0314%	70519	13700	5.1	1		68		2.4526E-09
35	10.70		0.0000	0.0030%	6836	2405	2.8	1		68		2.4526E-09
36	10.83		0.0010	0.1885%	422861	107555	3.9	1		68		2.4526E-09
37	11.15		0.0001	0.0253%	56770	13453	4.2	1		68		2.4526E-09
38	11.37		0.0000	0.0059%	13215	2650	5.0	1		68		2.4526E-09

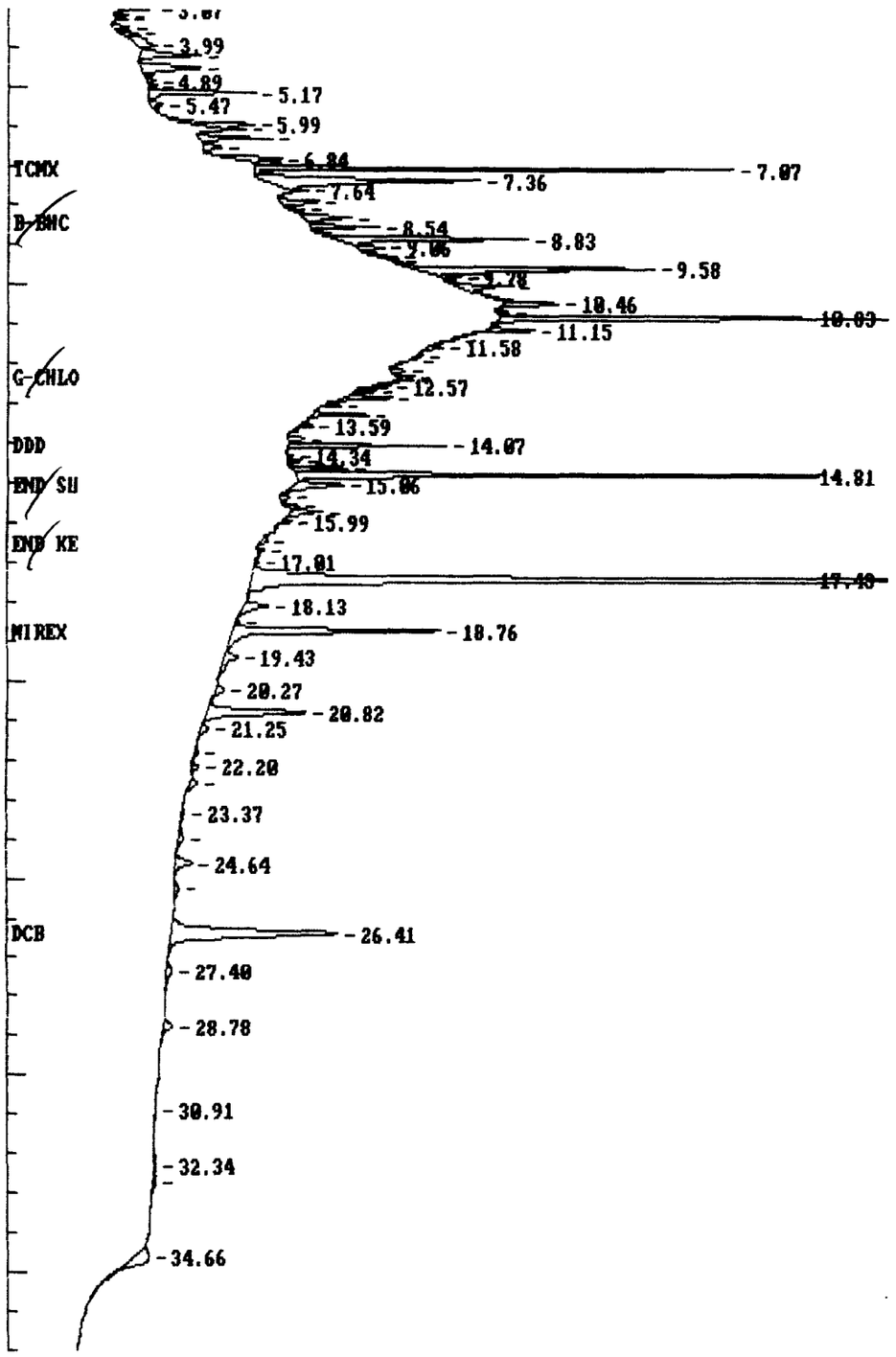
39	11.58	0.0000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	11.80	0.0000	0.0030%	6824	2224	3.1	1		68		2.4526E-09
41	11.90	0.0000	0.0027%	6132	2374	2.6	1		68		2.4526E-09
42	12.17	0.0000	0.0076%	16967	3243	5.2	1		68		2.4526E-09
~~43~~	~~12.34 G-CHLOR~~	~~0.0033~~	~~0.5915%~~	~~7904~~	~~3075~~	~~2.6~~	~~1~~	~~68~~	~~68~~	~~0~~	~~4.1165E-07~~
44	12.42	0.0000	0.0073%	16454	4519	3.6	1		68		2.4526E-09
45	12.57	0.0000	0.0083%	18574	5590	3.3	1		68		2.4526E-09
~~46~~	~~12.69 A-CHLOR~~	~~0.0068~~	~~1.2332%~~	~~16295~~	~~5388~~	~~3.0~~	~~1~~	~~68~~	~~68~~	~~0~~	~~4.1631E-07~~
47	12.87	0.0002	0.0301%	67593	12856	5.3	1		68		2.4526E-09
~~48~~	~~13.05 DDE~~	~~0.0079~~	~~1.4433%~~	~~16046~~	~~4561~~	~~3.5~~	~~1~~	~~68~~	~~68~~	~~0~~	~~4.9478E-07~~
49	13.29	0.0001	0.0265%	59494	14143	4.2	1		68		2.4526E-09
50	13.59	0.0001	0.0099%	22295	3688	6.0	1		68		2.4526E-09
51	13.91	0.0001	0.0102%	22936	3977	5.8	1		68		2.4526E-09
52	14.07 DDD	0.0975	17.7261%	161352	39316	4.1	1	68	68	0	6.0433E-07
53	14.34	0.0000	0.0027%	6123	1393	4.4	1		68		2.4526E-09
~~54~~	~~14.46 END ALD~~	~~0.0076~~	~~1.3803%~~	~~12691~~	~~3248~~	~~3.9~~	~~1~~	~~68~~	~~68~~	~~0~~	~~5.9829E-07~~
55	14.66	0.0001	0.0255%	57202	13661	4.2	1		68		2.4526E-09
56	14.81	0.0016	0.2859%	641282	130100	4.9	1		68		2.4526E-09
~~57~~	~~15.06 END SULFATE~~	~~0.0744~~	~~13.5281%~~	~~108870~~	~~12702~~	~~8.6~~	~~1~~	~~68~~	~~68~~	~~-.1107~~	~~6.8353E-07~~
58	15.37	0.0000	0.0061%	13752	2092	6.6	1		68		2.4526E-09
59	15.59	0.0000	0.0049%	10885	2451	4.4	1		68		2.4526E-09
60	15.74	0.0001	0.0208%	46716	8019	5.8	1		68		2.4526E-09
61	15.99	0.0000	0.0060%	13563	3176	4.3	1		68		2.4526E-09
~~62~~	~~16.48 END KETONE~~	~~0.0075~~	~~1.3662%~~	~~15780~~	~~1831~~	~~8.6~~	~~1~~	~~68~~	~~68~~	~~-.2023~~	~~4.7626E-07~~
63	16.71	0.0000	0.0037%	8206	1518	5.4	1		68		2.4526E-09
64	17.01	0.0000	0.0014%	3079	800	3.9	1		68		2.4526E-09
65	17.43	0.0047	0.8464%	1898458	242220	7.8	1		68		2.4526E-09
66	18.13	0.0002	0.0279%	62653	6241	10.0	1		68		2.4526E-09
67	18.55	0.0000	0.0024%	5295	959	5.5	1		68		2.4526E-09
68	18.76 MIREX	1.0000	0.0000%	395851	51108	7.7	1	68	68	0	2.5262E-06
69	19.43	0.0001	0.0236%	52978	3222	16.4	1		68		2.4526E-09
70	20.27	0.0001	0.0124%	27736	2302	12.0	1		68		2.4526E-09
71	20.82	0.0006	0.1141%	255884	24475	10.5	1		68		2.4526E-09
72	21.25	0.0001	0.0100%	22414	1938	11.6	1		68		2.4526E-09
73	21.84	0.0000	0.0034%	7537	762	9.9	1		68		2.4526E-09
74	22.20	0.0000	0.0062%	13889	1729	8.0	1		68		2.4526E-09
75	22.61	0.0001	0.0123%	27553	2023	13.6	1		68		2.4526E-09
76	23.37	0.0000	0.0028%	6383	563	11.3	1		68		2.4526E-09
77	24.04	0.0001	0.0092%	20683	1083	19.1	1		68		2.4526E-09
78	24.64	0.0001	0.0223%	50100	4110	12.2	1		68		2.4526E-09
79	25.28	0.0000	0.0085%	19040	1051	18.1	1		68		2.4526E-09
80	26.41 DCB	0.1592	28.9377%	564573	41339	13.7	1	68	68	0	2.8195E-07
81	27.40	0.0001	0.0137%	30686	1403	21.9	1		68		2.4526E-09
82	28.78	0.0001	0.0160%	35840	2255	15.9	1		68		2.4526E-09
83	30.91	0.0000	0.0038%	8442	337	25.0	1		68		2.4526E-09
84	32.34	0.0000	0.0041%	9111	456	20.0	1		68		2.4526E-09
85	32.74	0.0000	0.0036%	8050	459	17.6	1		68		2.4526E-09
86	34.66	0.0003	0.0483%	108312	4227	25.6	1		68		2.4526E-09

TOTAL AMOUNT = 0.5501

KM
6-4-93

SECONDARY COLUMN

Data File = J:2HOD35.PTS Printed on 06-04-1993 at 12:53:50
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 200 millivolts



KM
6-4-93

PRIMARY COLUMN

***** INTERNAL STANDARD TABLE *****

********** 06-04-1993 13:13:21 Version 4.1 **********

* Sample Name: 93ZE33D39 SF 1187 Data File: J:1HOD38 *
* Date: 05-26-1993 17:55:20 Method: J:1PESTAK 06-04-1993 13:11:07 # 342*
* Interface: 0 Cycle#: 38 Operator KM Channel#: 0 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

****

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* Detector 0: DB608 QUAN Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

****

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.025000

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.07		0.0000	0.0009%	2738	1045	2.6	1		70		7.3093E-09
2	3.33		0.0000	0.0013%	4039	2253	1.8	1		70		7.3093E-09
3	3.42		0.0001	0.0055%	17704	4488	3.9	1		70		7.3093E-09
4	3.62		0.0001	0.0055%	17506	3706	4.7	1		70		7.3093E-09
5	3.75		0.0001	0.0057%	18368	4662	3.9	1		70		7.3093E-09
6	3.94		0.0001	0.0045%	14295	2363	6.1	1		70		7.3093E-09
7	4.12		0.0003	0.0109%	34947	6206	5.6	1		70		7.3093E-09
8	4.27		0.0001	0.0027%	8710	2128	4.1	1		70		7.3093E-09
9	4.39		0.0001	0.0032%	10419	4016	2.6	1		70		7.3093E-09
10	4.45		0.0001	0.0052%	16568	6215	2.7	1		70		7.3093E-09
11	4.55		0.0004	0.0161%	51571	14822	3.5	1		70		7.3093E-09
12	4.69		0.0001	0.0054%	17181	3815	4.5	1		70		7.3093E-09
13	4.90		0.0010	0.0427%	136924	21357	6.4	1		70		7.3093E-09
14	5.12		0.0006	0.0246%	78925	8639	9.1	1		70		7.3093E-09
15	5.34		0.0000	0.0018%	5937	2116	2.8	1		70		7.3093E-09
16	5.44		0.0009	0.0362%	116290	29009	4.0	1		70		7.3093E-09
17	5.74		0.0005	0.0212%	68132	11496	5.9	1		70		7.3093E-09
18	5.94		0.0000	0.0018%	5681	2044	2.8	1		70		7.3093E-09
19	6.09		0.0002	0.0087%	27960	5274	5.3	1		70		7.3093E-09
20	6.22		0.0000	0.0014%	4653	1349	3.4	1		70		7.3093E-09
21	6.29		0.0001	0.0027%	8684	3337	2.6	1		70		7.3093E-09
22	6.39		0.0001	0.0035%	11219	3325	3.4	1		70		7.3093E-09
23	6.52		0.0001	0.0058%	18686	3738	5.0	1		70		7.3093E-09
24	6.69		0.0001	0.0054%	17442	6591	2.6	1		70		7.3093E-09
25	6.81		0.0004	0.0172%	55364	8533	6.5	1		70		7.3093E-09
26	7.04		0.0014	0.0582%	186817	46780	4.0	1		70		7.3093E-09
27	7.26		0.0001	0.0049%	15784	4891	3.2	1		70		7.3093E-09
28	7.48		0.0003	0.0130%	41615	5081	8.2	1		70		7.3093E-09
29	7.59		0.0005	0.0210%	67503	18049	3.7	1		70		7.3093E-09
30	7.81		0.0000	0.0010%	3250	1424	2.3	1		70		7.3093E-09
31	7.94		0.0001	0.0033%	10582	2400	4.4	1		70		7.3093E-09
32	8.11		0.0026	0.1114%	357568	59139	6.0	1		70		7.3093E-09
33	8.44		0.0000	0.0019%	6057	1492	4.1	1		70		7.3093E-09
~~34~~	~~8.68~~	~~A-BHC~~	~~0.0378~~	~~1.6108%~~	~~30402~~	~~4422~~	~~6.9~~	~~1~~	~~70~~	~~70~~	~~.6531~~	~~1.2432E-06~~
35	8.90		0.0001	0.0035%	11105	2277	4.9	1		70		7.3093E-09
36	9.01		0.0011	0.0470%	150720	25948	5.8	1		70		7.3093E-09
37	9.30		0.0014	0.0613%	196790	35027	5.6	1		70		7.3093E-09
38	9.53		0.0014	0.0613%	196625	31039	6.3	1		70		7.3093E-09

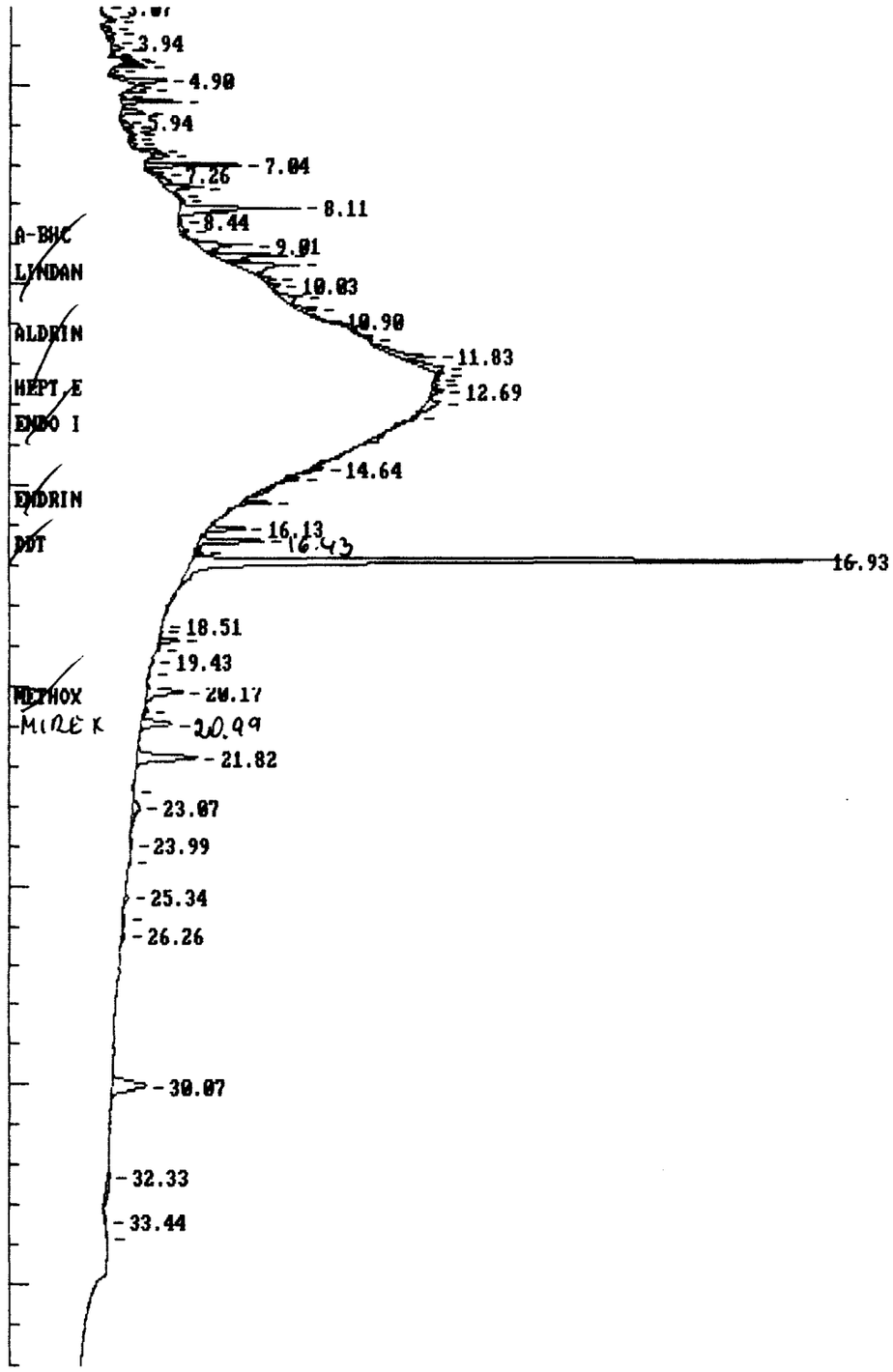
39	7.60		0.0002	0.0083%	27273	5119	5.2	1		70		7.3093E-09
40	10.03		0.0002	0.0083%	26629	5119	5.2	1		70		7.3093E-09
41	10.31		0.0005	0.0217%	69797	9981	7.0	1		70		7.3093E-09
42	10.62		0.0003	0.0121%	38873	8643	4.5	1		70		7.3093E-09
43	10.90		0.0001	0.0026%	8324	1261	6.6	1		70		7.3093E-09
44	11.03		0.0001	0.0043%	13733	3135	4.4	1		70		7.3093E-09
46	11.42		0.0000	0.0011%	3543	1263	2.8	1		70		7.3093E-09
47	11.83		0.0008	0.0354%	113697	15710	7.2	1		70		7.3093E-09
48	12.08		0.0005	0.0234%	74994	8883	8.4	1		70		7.3093E-09
49	12.25		0.0001	0.0033%	10510	3694	2.8	1		70		7.3093E-09
50	12.40		0.0001	0.0043%	13888	2588	5.4	1		70		7.3093E-09
~~51~~	~~12.54~~	~~HEPT.EPOXIDE~~	~~0.0256~~	~~1.0902%~~	~~15982~~	~~3574~~	~~4.5~~	~~1~~	~~70~~	~~70~~	~~-.2125~~	~~1.6006E-06~~
52	12.69		0.0003	0.0125%	40166	5450	7.4	1		70		7.3093E-09
53	12.97		0.0006	0.0265%	85143	7207	11.8	1		70		7.3093E-09
~~54~~	~~13.37~~	~~ENDO I~~	~~0.2907~~	~~12.3900%~~	~~179156~~	~~4001~~	~~44.8~~	~~1~~	~~70~~	~~70~~	~~-.8228~~	~~1.6227E-06~~
55	14.64		0.0004	0.0189%	60752	8354	7.3	1		70		7.3093E-09
56	14.87		0.0008	0.0331%	106202	8643	12.3	1		70		7.3093E-09
57	15.47		0.0006	0.0268%	85942	15688	5.5	1		70		7.3093E-09
58	16.13		0.0008	0.0339%	108684	18214	6.0	1		70		7.3093E-09
~~59~~	~~16.43~~	~~DDT~~	~~0.6709~~	~~28.5933%~~	~~198999~~	~~31710~~	~~6.3~~	~~1~~	~~70~~	~~70~~	~~-.2823~~	~~3.3714E-06~~ OK
60	16.71		0.0001	0.0059%	19060	4568	4.2	1		70		7.3093E-09
61	16.93		0.0167	0.7131%	2289308	316331	7.2	1		70		7.3093E-09
62	18.51		0.0000	0.0007%	2160	520	4.2	1		70		7.3093E-09
63	18.68		0.0000	0.0014%	4519	762	5.9	1		70		7.3093E-09
64	18.92		0.0005	0.0202%	64883	9861	6.6	1		70		7.3093E-09
65	19.12		0.0001	0.0026%	8283	1312	6.3	1		70		7.3093E-09
66	19.43		0.0001	0.0021%	6869	749	9.2	1		70		7.3093E-09
67	19.73		0.0000	0.0014%	4516	620	7.3	1		70		7.3093E-09
~~68~~	~~20.17~~	~~METHOXYCHLOR~~	~~1.2768~~	~~54.4159%~~	~~187196~~	~~18000~~	~~10.4~~	~~1~~	~~70~~	~~70~~	~~-.4915~~	~~6.8207E-06~~
69	20.65		0.0001	0.0054%	17289	1946	8.9	1		70		7.3093E-09
70	20.99	MIREX	1.0000	0.0000%	133474	14827	9.0	1	70	70	0	7.4921E-06
71	21.82		0.0023	0.0996%	319609	29796	10.7	1		70		7.3093E-09
72	22.67		0.0000	0.0012%	3932	538	7.3	1		70		7.3093E-09
73	23.07		0.0005	0.0226%	72516	3582	20.2	1		70		7.3093E-09
74	23.99		0.0001	0.0035%	11083	702	15.8	1		70		7.3093E-09
75	24.46		0.0001	0.0022%	7176	612	11.7	1		70		7.3093E-09
76	25.34		0.0001	0.0064%	20450	1674	12.2	1		70		7.3093E-09
77	25.86		0.0001	0.0043%	13817	855	16.2	1		70		7.3093E-09
78	26.26		0.0001	0.0035%	11345	1074	10.6	1		70		7.3093E-09
79	30.07		0.0018	0.0770%	247243	16564	14.9	1		70		7.3093E-09
80	32.33		0.0004	0.0176%	56530	1196	47.3	1		70		7.3093E-09
81	33.44		0.0001	0.0029%	9221	606	15.2	1		70		7.3093E-09
82	33.90		0.0000	0.0020%	6340	410	15.4	1		70		7.3093E-09

TOTAL AMOUNT = 2.3464

KM
6-4-93

PRIMARY COLUMN

Data File = J:1HOD38.PTS Printed on 06-04-1993 at 13:14:58
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 400 millivolts



KM
6-4-93

PRIMARY COLUMN

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******   EXTERNAL STANDARD TABLE   ******
******************** 06-04-1993 13:15:57 Version 4.1 **********************
* Sample Name: 93ZE33D39 SF 1187                Data File: J:1HOD38       *
* Date: 05-26-1993 17:55:20 Method: J:1PESTBK  06-04-1993 13:12:17  #  600*
* Interface: 0   Cycle#:  38   Operator KM  Channel#: 0    Vial#: N.A.    *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500              *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE    *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN             *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM             *
*             Detector 0: DB608 QUAN          ~~Detector 1: DB-5 CONF~~     *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL    *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:        10.00
Sample Weight:          1.025000
```

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	3.07		2.6717	0.0765%	2738	1045	2.6	1			9.7561E-04
2	3.33		3.9405	0.1129%	4039	2253	1.8	1			9.7561E-04
3	3.42		17.2720	0.4947%	17704	4488	3.9	1			9.7561E-04
4	3.62		17.0790	0.4892%	17506	3706	4.7	1			9.7561E-04
5	3.75		17.9197	0.5132%	18368	4662	3.9	1			9.7561E-04
6	3.94		13.9459	0.3994%	14295	2363	6.1	1			9.7561E-04
7	4.12		34.0944	0.9765%	34947	6206	5.6	1			9.7561E-04
8	4.27		8.4979	0.2434%	8710	2128	4.1	1			9.7561E-04
9	4.39		10.1647	0.2911%	10419	4016	2.6	1			9.7561E-04
10	4.45		16.1640	0.4630%	16568	6215	2.7	1			9.7561E-04
11	4.55		50.3131	1.4410%	51571	14822	3.5	1			9.7561E-04
12	4.69		16.7617	0.4801%	17181	3815	4.5	1			9.7561E-04
13	4.90		133.5847	3.8260%	136924	21357	6.4	1			9.7561E-04
14	5.12		76.9995	2.2053%	78925	8639	9.1	1			9.7561E-04
15	5.34		5.7920	0.1659%	5937	2116	2.8	1			9.7561E-04
16	5.44		113.4538	3.2494%	116290	29009	4.0	1			9.7561E-04
17	5.74		66.4702	1.9038%	68132	11496	5.9	1			9.7561E-04
18	5.94		5.5428	0.1588%	5681	2044	2.8	1			9.7561E-04
19	6.09		27.2783	0.7813%	27960	5274	5.3	1			9.7561E-04
20	6.22		4.5398	0.1300%	4653	1349	3.4	1			9.7561E-04
21	6.29		8.4720	0.2426%	8684	3337	2.6	1			9.7561E-04
22	6.39		10.9457	0.3135%	11219	3325	3.4	1			9.7561E-04
23	6.52		18.2300	0.5221%	18686	3738	5.0	1			9.7561E-04
24	6.69		17.0164	0.4874%	17442	6591	2.6	1			9.7561E-04
25	6.81		54.0133	1.5470%	55364	8533	6.5	1			9.7561E-04
26	7.04	TCMX	0.1159	0.0033%	186817	46780	4.0	1	26	0	6.2052E-07
27	7.26		15.3985	0.4410%	15784	4891	3.2	1			9.7561E-04
28	7.48		40.6001	1.1628%	41615	5081	8.2	1			9.7561E-04
29	7.59		65.8568	1.8862%	67503	18049	3.7	1			9.7561E-04
30	7.81		3.1712	0.0908%	3250	1424	2.3	1			9.7561E-04
31	7.94		10.3240	0.2957%	10582	2400	4.4	1			9.7561E-04
32	8.11		348.8470	9.9913%	357568	59139	6.0	1			9.7561E-04
33	8.44		5.9094	0.1692%	6057	1492	4.1	1			9.7561E-04
34	8.68		29.6602	0.8495%	30402	4422	6.9	1			9.7561E-04
35	8.90		10.8338	0.3103%	11105	2277	4.9	1			9.7561E-04
36	9.01		147.0437	4.2115%	150720	25948	5.8	1			9.7561E-04
37	9.30		191.9905	5.4988%	196790	35027	5.6	1			9.7561E-04
38	9.53		191.8292	5.4942%	196625	31039	6.3	1			9.7561E-04
39	9.59	B PCB	0.0312	0.0009%	27275	6244	4.4	1	39	0	1.1481E-06

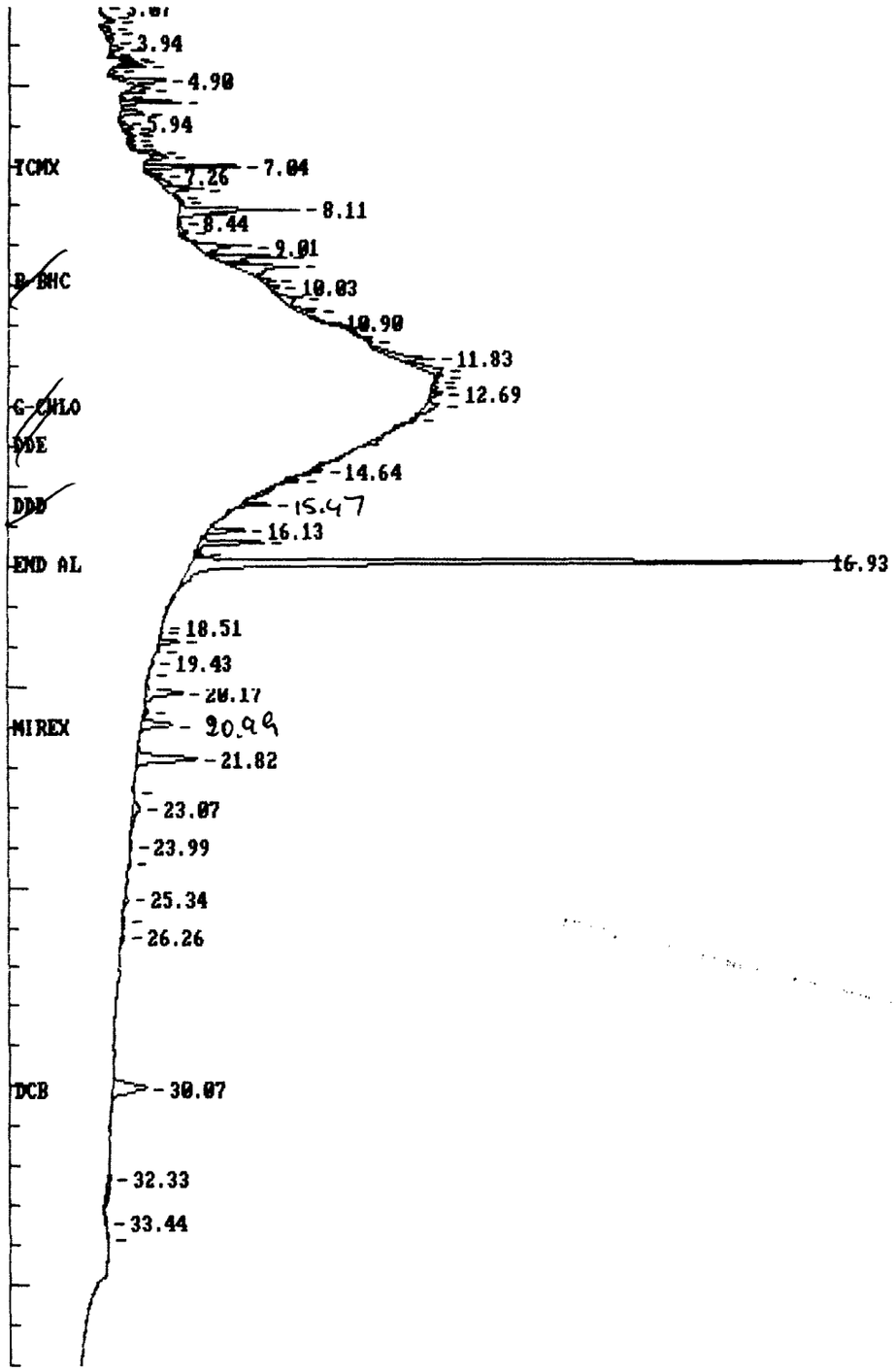
40	10.03	25.9797	[illegible]	[illegible]	[illegible]	[illegible]	1			[illegible]
41	10.31	68.0949	1.9503%	69797	9981	7.0	1			9.7561E-04
~~42~~	~~10.62 D-BHC~~	~~0.0387~~	~~0.0011%~~	~~38873~~	~~8643~~	~~4.5~~	~~1~~	~~42~~	~~0~~	~~9.9467E-07~~
43	10.90	8.1206	0.2326%	8324	1261	6.6	1			9.7561E-04
44	11.03	13.3980	0.3837%	13733	3135	4.4	1			9.7561E-04
46	11.42	3.4562	0.0990%	3543	1263	2.8	1			9.7561E-04
47	11.83	110.9238	3.1770%	113697	15710	7.2	1			9.7561E-04
48	12.08	73.1646	2.0955%	74994	8883	8.4	1			9.7561E-04
49	12.25	10.2536	0.2937%	10510	3694	2.8	1			9.7561E-04
50	12.40	13.5490	0.3881%	13888	2588	5.4	1			9.7561E-04
51	12.54	15.5921	0.4466%	15982	3574	4.5	1			9.7561E-04
52	12.69	39.1865	1.1223%	40166	5450	7.4	1			9.7561E-04
~~53~~	~~12.97 G-CHLORDANE~~	~~0.0665~~	~~0.0019%~~	~~85143~~	~~7207~~	~~11.8~~	~~1~~	~~53~~	~~0~~	~~7.8105E-07~~
~~54~~	~~13.37 A-CHLORDANE~~	~~0.1408~~	~~0.0040%~~	~~179156~~	~~4001~~	~~44.8~~	~~1~~	~~54~~	~~0~~	~~7.8612E-07~~
55	14.64	59.2705	1.6976%	60752	8354	7.3	1			9.7561E-04
56	14.87	103.6117	2.9675%	106202	8643	12.3	1			9.7561E-04
~~57~~	~~15.47 DDD~~	~~0.1707~~	~~0.0049%~~	~~85942~~	~~15688~~	~~5.5~~	~~1~~	~~57~~	~~0~~	~~1.9864E-06~~ OK
58	16.13	106.0331	3.0369%	108684	18214	6.0	1			9.7561E-04
59	16.43	194.1456	5.5605%	198999	31710	6.3	1			9.7561E-04
60	16.71	18.5952	0.5326%	19060	4568	4.2	1			9.7561E-04
~~61~~	~~16.93 END ALDEHYDE~~	~~2.9395~~	~~0.0842%~~	~~2289308~~	~~316331~~	~~7.2~~	~~1~~	~~61~~	~~0~~	~~1.2840E-06~~
62	18.51	2.1076	0.0604%	2160	520	4.2	1			9.7561E-04
63	18.68	4.4088	0.1263%	4519	762	5.9	1			9.7561E-04
64	18.92	63.3005	1.8130%	64883	9861	6.6	1			9.7561E-04
65	19.12	8.0805	0.2314%	8283	1312	6.3	1			9.7561E-04
66	19.43	6.7013	0.1919%	6869	749	9.2	1			9.7561E-04
67	19.73	4.4054	0.1262%	4516	620	7.3	1			9.7561E-04
68	20.17	182.6304	5.2307%	187196	18000	10.4	1			9.7561E-04
69	20.65	16.8678	0.4831%	17289	1946	8.9	1			9.7561E-04
70	20.99 MIREX	4.2986	0.1231%	133474	14827	9.0	1	70	0	3.2205E-05
71	21.82	311.8138	8.9307%	319609	29796	10.7	1			9.7561E-04
72	22.67	3.8364	0.1099%	3932	538	7.3	1			9.7561E-04
73	23.07	70.7478	2.0263%	72516	3582	20.2	1			9.7561E-04
74	23.99	10.8123	0.3097%	11083	702	15.8	1			9.7561E-04
75	24.46	7.0013	0.2005%	7176	612	11.7	1			9.7561E-04
76	25.34	19.9509	0.5714%	20450	1674	12.2	1			9.7561E-04
77	25.86	13.4796	0.3861%	13817	855	16.2	1			9.7561E-04
78	26.26	11.0681	0.3170%	11345	1074	10.6	1			9.7561E-04
79	30.07 DCB	0.1458	0.0042%	247243	16564	14.9	1	79	0	5.8971E-07
80	32.33	55.1515	1.5796%	56530	1196	47.3	1			9.7561E-04
81	33.44	8.9960	0.2577%	9221	606	15.2	1			9.7561E-04
82	33.90	6.1850	0.1771%	6340	410	15.4	1			9.7561E-04

TOTAL AMOUNT = 3491.4958

KM
6-4-93

PRIMARY COLUMN

Data File = J:1HOD38.PTS Printed on 06-04-1993 at 13:17:38
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 400 millivolts



KM
6-4-93

SECONDARY COLUM

***** INTERNAL STANDARD TABLE *****

********** 06-04-1993 14:32:11 Version 4.1 **********

* Sample Name: 93ZE33D39 SF 1187 Data File: J:2HOD39 *
* Date: 05-26-1993 18:36:23 Method: J:2PESTAK 06-04-1993 13:12:36 # 332*
* Interface: 0 Cycle#: 39 Operator KM Channel#: 1 Vial#: N.A. *
* Starting Peak Width: 10 Threshold: 1 Area Threshold: 500 *

* Instrument Type: HP 5890 #5 Column Type: DB608/DB5 MEGABORE *
* Solvent Description: ULTRA HIGH PURITY NITROGEN *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM *
* ~~Detector 0: DB608 QUAN~~ Detector 1: DB-5 CONF *
* Misc. Information: H.O.D. LANDFILL H.O.D. LANDFILL *

Starting Delay: 3.00 Ending retention time: 37.00
Area reject: 500 One sample per 1.002 sec.
Amount injected: 1.00 Dilution factor: 10.00
Internal Standard Amount: 1
Sample Weight: 1.025000

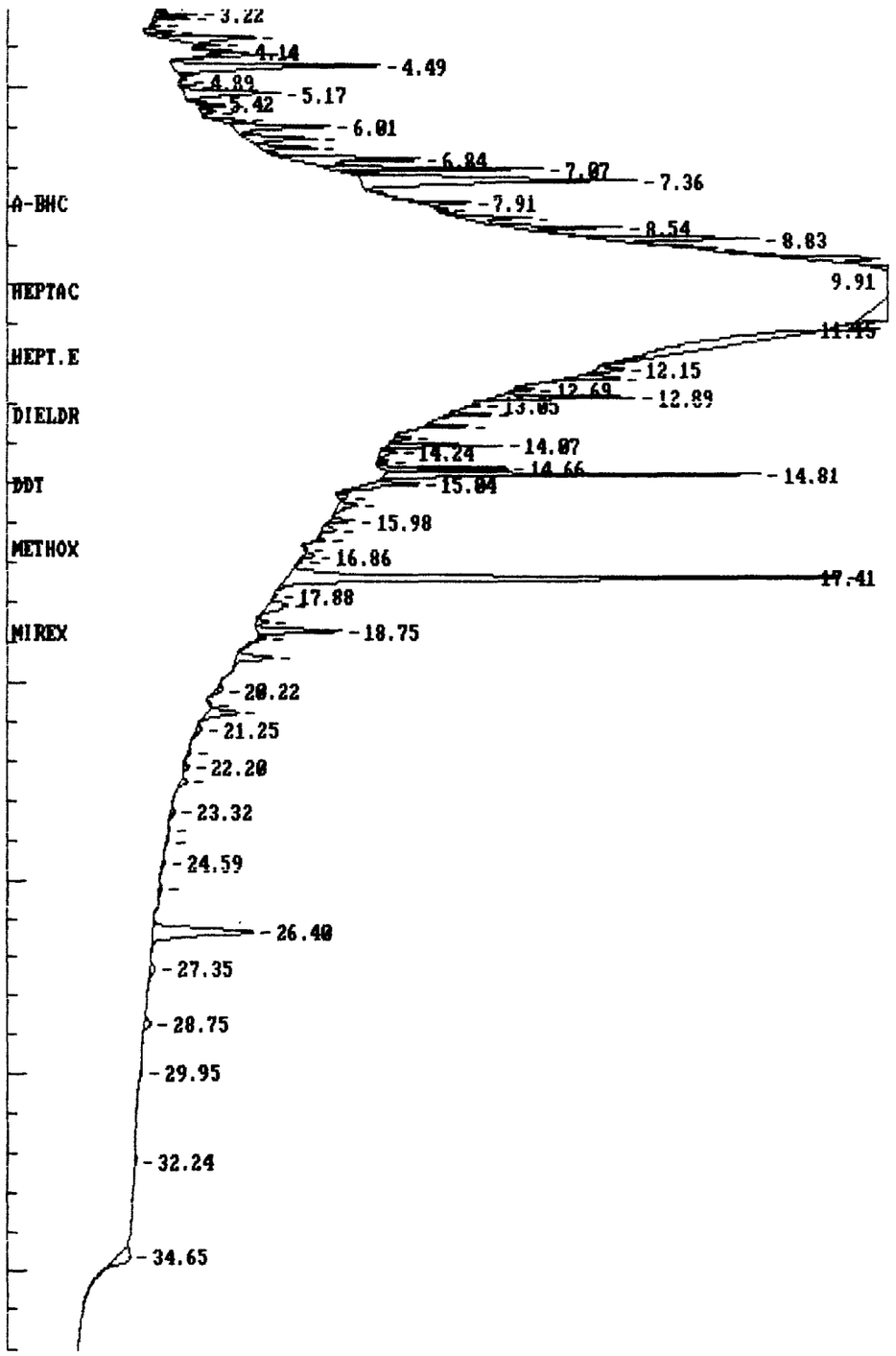
PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.22		0.0002	0.0244%	58377	21088	2.8	1		64		3.5996E-09
2	3.32		0.0003	0.0293%	69916	18192	3.8	1		64		3.5996E-09
3	3.52		0.0001	0.0087%	20732	6439	3.2	1		64		3.5996E-09
4	3.65		0.0002	0.0225%	53627	14226	3.8	1		64		3.5996E-09
5	3.78		0.0011	0.1253%	299200	44756	6.7	1		64		3.5996E-09
6	3.99		0.0001	0.0172%	41140	11911	3.5	1		64		3.5996E-09
7	4.14		0.0001	0.0083%	19835	4854	4.1	1		64		3.5996E-09
8	4.24		0.0006	0.0687%	163921	34852	4.7	1		64		3.5996E-09
9	4.49		0.0026	0.3014%	719703	102455	7.0	1		64		3.5996E-09
10	4.89		0.0001	0.0072%	17157	3858	4.4	1		64		3.5996E-09
11	5.00		0.0001	0.0094%	22346	7435	3.0	1		64		3.5996E-09
12	5.17		0.0012	0.1378%	329104	47214	7.0	1		64		3.5996E-09
13	5.42		0.0000	0.0036%	8496	3180	2.7	1		64		3.5996E-09
14	5.50		0.0002	0.0182%	43414	12410	3.5	1		64		3.5996E-09
15	5.67		0.0002	0.0187%	44695	7225	6.2	1		64		3.5996E-09
16	5.87		0.0002	0.0206%	49198	12696	3.9	1		64		3.5996E-09
17	6.01		0.0012	0.1340%	319997	48277	6.6	1		64		3.5996E-09
18	6.34		0.0007	0.0847%	202124	34160	5.9	1		64		3.5996E-09
19	6.57		0.0004	0.0475%	113436	27599	4.1	1		64		3.5996E-09
20	6.71		0.0000	0.0036%	8645	3029	2.9	1		64		3.5996E-09
21	6.84		0.0013	0.1562%	372839	62458	6.0	1		64		3.5996E-09
22	7.07		0.0014	0.1618%	386409	102488	3.8	1		64		3.5996E-09
23	7.36		0.0044	0.5092%	1215801	135918	8.9	1		64		3.5996E-09
~~24~~	~~7.91~~	~~A-BHC~~	~~0.0547~~	~~6.3703%~~	~~88209~~	~~25069~~	~~3.5~~	~~1~~	~~64~~	~~64~~	~~0~~	~~6.2067E-07~~
25	8.09		0.0000	0.0055%	13220	4014	3.3	1		64		3.5996E-09
26	8.31		0.0006	0.0682%	162780	30784	5.3	1		64		3.5996E-09
~~27~~	~~8.54~~	~~LINDANE~~	~~0.1491~~	~~17.3441%~~	~~213295~~	~~53448~~	~~4.0~~	~~1~~	~~64~~	~~64~~	~~.6873~~	~~6.9885E-07~~
28	8.83		0.0012	0.1429%	341110	76102	4.5	1		64		3.5996E-09
29	9.08		0.0001	0.0154%	36694	10629	3.5	1		64		3.5996E-09
30	9.36		0.0006	0.0749%	178734	32384	5.5	1		64		3.5996E-09
31	9.56		0.0001	0.0150%	35723	12760	2.8	1		64		3.5996E-09
32	9.65		0.0001	0.0144%	34399	11276	3.1	1		64		3.5996E-09
33	9.91		0.0005	0.0557%	132933	12563	10.6	1		64		3.5996E-09
34	10.03		0.0001	0.0095%	22776	5635	4.0	1		64		3.5996E-09
~~35~~	~~10.25~~	~~HEPTACHLOR~~	~~0.0550~~	~~6.3943%~~	~~82893~~	~~13413~~	~~6.2~~	~~1~~	~~64~~	~~64~~	~~.7457~~	~~6.6296E-07~~

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]			3.5996E-09
37	11.15	0.0022	0.2306%	395217	29284	20.4	1		64			3.5996E-09
38	12.15	0.0003	0.0406%	96913	14442	6.7	1		64			3.5996E-09
39	12.40	0.0006	0.0703%	167742	29108	5.8	1		64			3.5996E-09
~~40~~	~~12.69 ENDO I~~	~~0.0277~~	~~3.2263%~~	~~34003~~	~~10522~~	~~3.2~~	~~1~~	~~64~~	~~64~~	~~.3532~~		~~8.1545E-07~~
41	12.89	0.0012	0.1435%	342724	71801	4.8	1		64			3.5996E-09
42	13.05	0.0001	0.0132%	31427	6706	4.7	1		64			3.5996E-09
~~43~~	~~13.27 DIELDRIN~~	~~0.0787~~	~~9.1521%~~	~~110087~~	~~22464~~	~~4.9~~	~~1~~	~~64~~	~~64~~	~~0~~		~~7.1450E-07~~
44	13.57	0.0004	0.0463%	110648	23333	4.7	1		64			3.5996E-09
~~45~~	~~13.89 ENDRIN~~	~~0.0490~~	~~5.6985%~~	~~52370~~	~~9340~~	~~5.6~~	~~1~~	~~64~~	~~64~~	~~.5727~~		~~9.3517E-07~~
~~46~~	~~14.07 ENDO II~~	~~0.1859~~	~~21.6298%~~	~~233251~~	~~57667~~	~~4.0~~	~~1~~	~~64~~	~~64~~	~~.4466~~		~~7.9697E-07~~
47	14.24	0.0002	0.0202%	48176	7980	6.0	1		64			3.5996E-09
48	14.46	0.0001	0.0096%	22911	5001	4.6	1		64			3.5996E-09
49	14.66	0.0010	0.1108%	264474	60748	4.4	1		64			3.5996E-09
50	14.81	0.0032	0.3701%	883690	185290	4.8	1		64			3.5996E-09
~~51~~	~~15.04 DDT~~	~~0.2041~~	~~23.7531%~~	~~204038~~	~~24756~~	~~8.2~~	~~1~~	~~64~~	~~64~~	~~0~~		~~1.0005E-06~~ OK
52	15.39	0.0001	0.0163%	38932	4662	8.4	1		64			3.5996E-09
53	15.59	0.0003	0.0392%	93650	9518	9.8	1		64			3.5996E-09
54	15.98	0.0003	0.0299%	71290	13117	5.4	1		64			3.5996E-09
55	16.21	0.0002	0.0230%	54948	7184	7.6	1		64			3.5996E-09
56	16.48	0.0001	0.0154%	36869	6938	5.3	1		64			3.5996E-09
~~57~~	~~16.69 METHOXYCHLOR~~	~~0.0090~~	~~0.9359%~~	~~4272~~	~~966~~	~~4.4~~	~~1~~	~~64~~	~~64~~	~~.1892~~		~~1.8828E-06~~
58	16.86	0.0001	0.0160%	38244	5553	6.9	1		64			3.5996E-09
59	17.01	0.0000	0.0034%	8039	2141	3.8	1		64			3.5996E-09
60	17.41	0.0077	0.8915%	2128509	273638	7.8	1		64			3.5996E-09
61	17.88	0.0000	0.0036%	8499	1783	4.8	1		64			3.5996E-09
62	18.11	0.0005	0.0562%	134125	10464	12.8	1		64			3.5996E-09
63	18.55	0.0001	0.0159%	37905	6176	6.1	1		64			3.5996E-09
64	18.75 MIREX	1.0000	0.0000%	271035	41634	6.5	1	64	64	0		3.6896E-06
65	18.95	0.0001	0.0146%	34747	4998	7.0	1		64			3.5996E-09
66	19.43	0.0005	0.0625%	149150	18273	8.2	1		64			3.5996E-09
67	20.22	0.0001	0.0170%	40692	3683	11.1	1		64			3.5996E-09
68	20.60	0.0000	0.0019%	4645	664	7.0	1		64			3.5996E-09
69	20.80	0.0006	0.0721%	172212	15803	10.9	1		64			3.5996E-09
70	21.25	0.0001	0.0159%	38039	2855	13.3	1		64			3.5996E-09
71	21.82	0.0001	0.0074%	17587	1781	9.9	1		64			3.5996E-09
72	22.20	0.0001	0.0082%	19614	2481	7.9	1		64			3.5996E-09
73	22.57	0.0001	0.0114%	27206	2891	9.4	1		64			3.5996E-09
74	23.32	0.0001	0.0103%	24699	1844	13.4	1		64			3.5996E-09
75	23.76	0.0000	0.0022%	5233	638	8.2	1		64			3.5996E-09
76	24.06	0.0000	0.0026%	6155	767	8.0	1		64			3.5996E-09
77	24.59	0.0001	0.0086%	20621	1341	15.4	1		64			3.5996E-09
78	25.26	0.0001	0.0101%	24191	1435	16.9	1		64			3.5996E-09
79	26.40	0.0024	0.2748%	656107	49559	13.2	1		64			3.5996E-09
80	27.35	0.0002	0.0207%	49530	2454	20.2	1		64			3.5996E-09
81	28.75	0.0002	0.0183%	43690	3251	13.4	1		64			3.5996E-09
82	29.95	0.0001	0.0061%	14498	825	17.6	1		64			3.5996E-09
83	32.24	0.0000	0.0053%	12732	613	20.8	1		64			3.5996E-09
84	34.65	0.0007	0.0765%	182635	6746	27.1	1		64			3.5996E-09

TOTAL AMOUNT = 0.8594

SECONDARY COLUMN

Data File = J:2HOD39.PTS Printed on 06-04-1993 at 14:33:55
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 400 millivolts



SECONDARY COLUM

```
*****   INTERNAL STANDARD TABLE   *****
******************** 06-04-1993 14:29:17 Version 4.1 **********************
* Sample Name: 93ZE33D39 SF 1187                    Data File: J:2HOD39      *
* Date: 05-26-1993 18:36:23 Method: J:2PESTBK  06-04-1993 13:12:59  #  617*
* Interface: 0   Cycle#:  39   Operator KM  Channel#: 1    Vial#: N.A.      *
* Starting Peak Width:  5   Threshold: 1  Area Threshold: 500               *
*****************************************************************************
* Instrument Type: HP 5890  #5          Column Type: DB608/DB5 MEGABORE     *
*              Solvent Description: ULTRA HIGH PURITY NITROGEN              *
* Conditions: INJ.250 DEG C; DET. 350 DEG C; OVEN TEMP-PROGRAM              *
*              Detector 0: DB608 QUAN          Detector 1: DB-5 CONF        *
* Misc. Information: H.O.D. LANDFILL                    H.O.D. LANDFILL     *
*****************************************************************************
Starting Delay:    3.00                    Ending retention time:    37.00
Area reject:       500                     One sample per    1.002 sec.
Amount injected:        1.00               Dilution factor:       10.00
Internal Standard Amount:  1
Sample Weight:          1.025000
```

PEAK NUM	RET TIME	PEAK NAME	CONCENTRATION in UG/L	NORMALIZED CONC	AREA	HEIGHT	AREA/ HEIGHT	BL	REF PEAK	INT.STD PEAK	% DELTA RET TIME	CONC/AREA
1	3.22		0.0002	0.0180%	58377	21088	2.8	1		64		3.5996E-09
2	3.32		0.0003	0.0216%	69916	18192	3.8	1		64		3.5996E-09
3	3.52		0.0001	0.0064%	20732	6439	3.2	1		64		3.5996E-09
4	3.65		0.0002	0.0166%	53627	14226	3.8	1		64		3.5996E-09
5	3.78		0.0011	0.0924%	299200	44756	6.7	1		64		3.5996E-09
6	3.99		0.0001	0.0127%	41140	11911	3.5	1		64		3.5996E-09
7	4.14		0.0001	0.0061%	19835	4854	4.1	1		64		3.5996E-09
8	4.24		0.0006	0.0506%	163921	34852	4.7	1		64		3.5996E-09
9	4.49		0.0026	0.2222%	719703	102455	7.0	1		64		3.5996E-09
10	4.89		0.0001	0.0053%	17157	3858	4.4	1		64		3.5996E-09
11	5.00		0.0001	0.0069%	22346	7435	3.0	1		64		3.5996E-09
12	5.17		0.0012	0.1016%	329104	47214	7.0	1		64		3.5996E-09
13	5.42		0.0000	0.0026%	8496	3180	2.7	1		64		3.5996E-09
14	5.50		0.0002	0.0134%	43414	12410	3.5	1		64		3.5996E-09
15	5.67		0.0002	0.0138%	44695	7225	6.2	1		64		3.5996E-09
16	5.87		0.0002	0.0152%	49198	12696	3.9	1		64		3.5996E-09
17	6.01		0.0012	0.0988%	319997	48277	6.6	1		64		3.5996E-09
18	6.34		0.0007	0.0624%	202124	34160	5.9	1		64		3.5996E-09
19	6.57		0.0004	0.0350%	113436	27599	4.1	1		64		3.5996E-09
20	6.71		0.0000	0.0027%	8645	3029	2.9	1		64		3.5996E-09
21	6.84		0.0013	0.1151%	372839	62458	6.0	1		64		3.5996E-09
22	7.07	TCMX	0.2214	18.9880%	386409	102488	3.8	1	64	64	0	5.7290E-07
23	7.36		0.0044	0.3754%	1215801	135918	8.9	1		64		3.5996E-09
24	7.91		0.0003	0.0272%	88209	25069	3.5	1		64		3.5996E-09
25	8.09		0.0000	0.0041%	13220	4014	3.3	1		64		3.5996E-09
26	8.31		0.0006	0.0503%	162780	30784	5.3	1		64		3.5996E-09
27	8.54		0.0008	0.0659%	213295	53448	4.0	1		64		3.5996E-09
28	8.83		0.0012	0.1053%	341110	76102	4.5	1		64		3.5996E-09
~~29~~	~~9.08~~	~~D-BHC~~	~~0.0262~~	~~2.2473%~~	~~36694~~	~~10629~~	~~3.5~~	~~1~~	~~64~~	~~64~~	~~.2735~~	~~7.1404E-07~~
30	9.36		0.0006	0.0552%	178734	32384	5.5	1		64		3.5996E-09
31	9.56		0.0001	0.0110%	35723	12760	2.8	1		64		3.5996E-09
32	9.65		0.0001	0.0106%	34399	11276	3.1	1		64		3.5996E-09
33	9.91		0.0005	0.0410%	132933	12563	10.6	1		64		3.5996E-09
34	10.03		0.0001	0.0070%	22776	5635	4.0	1		64		3.5996E-09
35	10.25		0.0003	0.0256%	82893	13413	6.2	1		64		3.5996E-09

36	10.38	0.0030	[illegible]	[illegible]	[illegible]	6.7	1		64		3.5996E-09
37	11.15	0.0022	0.1847%	598277	29284	20.4	1		64		3.5996E-09
38	12.15	0.0003	0.0299%	96913	14442	6.7	1		64		3.5996E-09
39	12.40 G-CHLOR	0.1013	8.6923%	167742	29108	5.8	1	64	64	.6310	6.0415E-07
40	12.69 A-CHLOR	0.0208	1.7820%	34003	10522	3.2	1	64	64	0	6.1099E-07
41	12.89	0.0012	0.1058%	342724	71801	4.8	1		64		3.5996E-09
42	13.05 DDE	0.0228	1.9574%	31427	6706	4.7	1	64	64	0	7.2618E-07
43	13.27	0.0004	0.0340%	110087	22464	4.9	1		64		3.5996E-09
44	13.57	0.0004	0.0342%	110648	23333	4.7	1		64		3.5996E-09
45	13.89	0.0002	0.0162%	52370	9340	5.6	1		64		3.5996E-09
46	14.07 DDD	0.2069	17.7446%	233251	57667	4.0	1	64	64	0	8.8693E-07
47	14.24	0.0002	0.0149%	48176	7980	6.0	1		64		3.5996E-09
48	14.46 END ALD	0.0201	1.7255%	22911	5001	4.6	1	64	64	0	8.7807E-07
49	14.66	0.0010	0.0817%	264474	60748	4.4	1		64		3.5996E-09
50	14.81	0.0032	0.2728%	883690	185290	4.8	1		64		3.5996E-09
51	15.04 END SULFATE	0.2047	17.5567%	204038	24756	8.2	1	64	64	-.1327	1.0032E-06
52	15.39	0.0001	0.0120%	38932	4662	8.4	1		64		3.5996E-09
53	15.59	0.0003	0.0289%	93650	9518	9.8	1		64		3.5996E-09
54	15.98	0.0003	0.0220%	71290	13117	5.4	1		64		3.5996E-09
55	16.21	0.0002	0.0170%	54948	7184	7.6	1		64		3.5996E-09
56	16.48 END KETONE	0.0258	2.2104%	36869	6938	5.3	1	64	64	-.1134	6.9897E-07
57	16.69	0.0000	0.0013%	4272	966	4.4	1		64		3.5996E-09
58	16.86	0.0001	0.0118%	38244	5553	6.9	1		64		3.5996E-09
59	17.01	0.0000	0.0025%	8039	2141	3.8	1		64		3.5996E-09
60	17.41	0.0077	0.6572%	2128509	273638	7.8	1		64		3.5996E-09
61	17.88	0.0000	0.0026%	8499	1783	4.8	1		64		3.5996E-09
62	18.11	0.0005	0.0414%	134125	10464	12.8	1		64		3.5996E-09
63	18.55	0.0001	0.0117%	37905	6176	6.1	1		64		3.5996E-09
64	18.75 MIREX	1.0000	0.0000%	271035	41634	6.5	1	64	64	0	3.6896E-06
65	18.95	0.0001	0.0107%	34747	4998	7.0	1		64		3.5996E-09
66	19.43	0.0005	0.0460%	149150	18273	8.2	1		64		3.5996E-09
67	20.22	0.0001	0.0126%	40692	3683	11.1	1		64		3.5996E-09
68	20.60	0.0000	0.0014%	4645	664	7.0	1		64		3.5996E-09
69	20.80	0.0006	0.0532%	172212	15803	10.9	1		64		3.5996E-09
70	21.25	0.0001	0.0117%	38039	2855	13.3	1		64		3.5996E-09
71	21.82	0.0001	0.0054%	17587	1781	9.9	1		64		3.5996E-09
72	22.20	0.0001	0.0061%	19614	2481	7.9	1		64		3.5996E-09
73	22.57	0.0001	0.0084%	27206	2891	9.4	1		64		3.5996E-09
74	23.32	0.0001	0.0076%	24699	1844	13.4	1		64		3.5996E-09
75	23.76	0.0000	0.0016%	5233	638	8.2	1		64		3.5996E-09
76	24.06	0.0000	0.0019%	6155	767	8.0	1		64		3.5996E-09
77	24.59	0.0001	0.0064%	20621	1341	15.4	1		64		3.5996E-09
78	25.26	0.0001	0.0075%	24191	1435	16.9	1		64		3.5996E-09
79	26.40 DCB	0.2715	23.2875%	656107	49559	13.2	1	64	64	0	4.1381E-07
80	27.35	0.0002	0.0153%	49530	2454	20.2	1		64		3.5996E-09
81	28.75	0.0002	0.0135%	43690	3251	13.4	1		64		3.5996E-09
82	29.95	0.0001	0.0045%	14498	825	17.6	1		64		3.5996E-09
83	32.24	0.0000	0.0039%	12732	613	20.8	1		64		3.5996E-09
84	34.65	0.0007	0.0564%	182635	6746	27.1	1		64		3.5996E-09

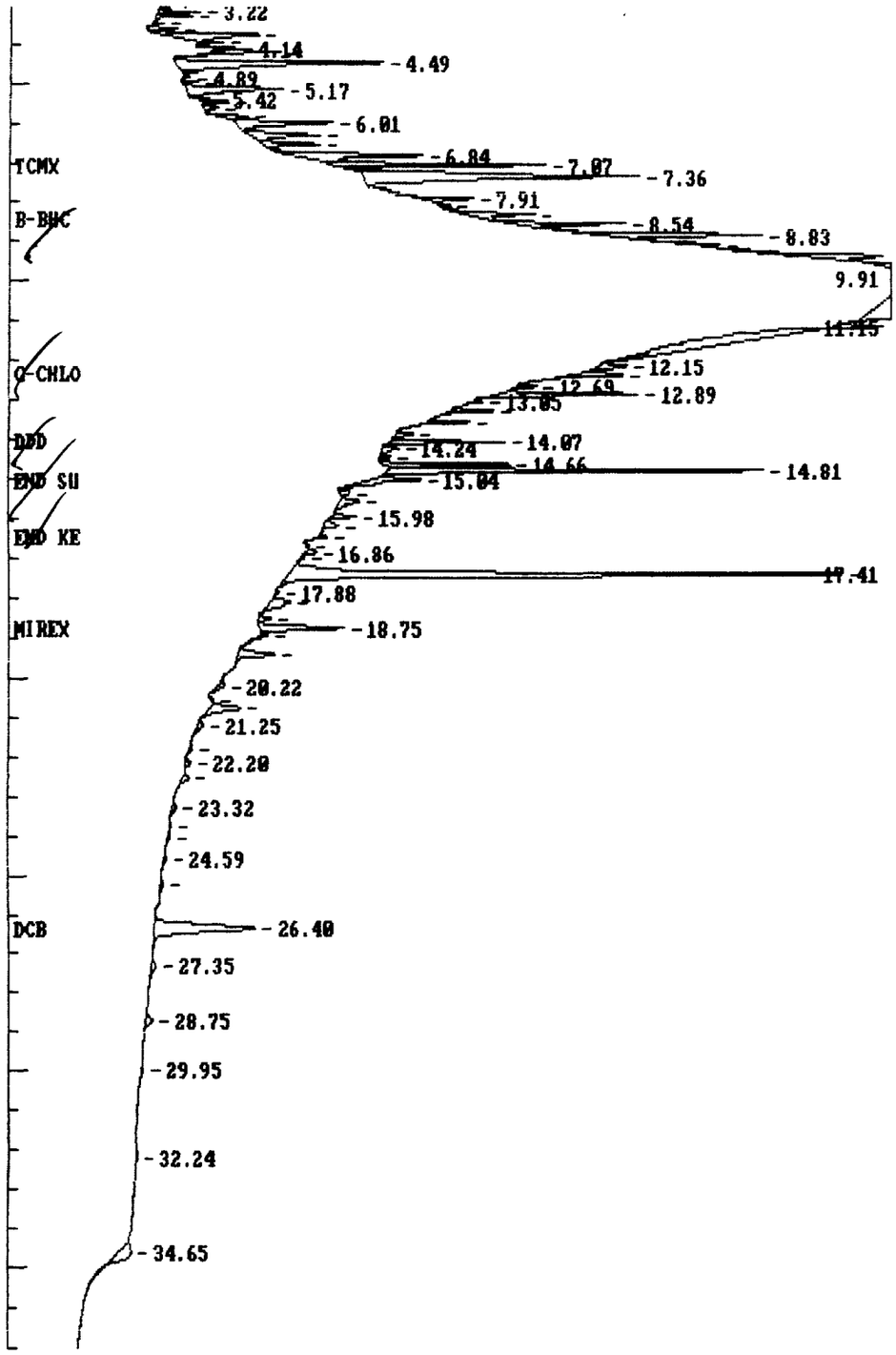
TOTAL AMOUNT = 1.1659

OK

KM
6-4-93

SECONDARY COLUMN

Data File = J:2HOD39.FTS Printed on 06-04-1993 at 14:30:59
Start time: 3.00 min. Stop time: 37.00 min. Offset: 0 mv.
Full Range: 400 millivolts



KM
6-4-93