ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

**REGION 5**
**230 South Dearborn Street**
**Chicago, Illinois 60604**

# CHAIN OF CUSTODY RECORD

PROJ. NO.: 71280.122
PROJECT NAME: Alco Steel Service
SAMPLERS: (Signature) TONYA BALLA Tonya Balla

ORGANICS
SF 940152
REMARKS

| STA. NO. | DATE | TIME | COMP. | GRAB | STATION LOCATION | NO. OF CONTAINERS | 40 mL VOA vial | 8 oz. Amber | 1 L Poly | | | | CRL # | TAG # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW01 | 9/21 | 1620 | | X | AS-RW01-001 | ~~6~~ TB 4 | 2 | 2 | 2 | | | | 942B19-~~8~~01 9/22/94 | 5-022951-~~56~~ TB 54 |
| RW02 | 9/21 | 1545 | | X | AS-RW02-001 | ~~6~~ TB 4 | 2 | 2 | 2 | | | | 942B19-~~8~~02 | 5-022957-~~62~~ TB 60 |
| RW02 | 9/21 | 1545 | | X | AS-RW02-101 | ~~6~~ TB 4 | 2 | 2 | 2 | | | | 942B19-~~8~~08 | 5-022963-~~68~~ TB 66 |
| RW04 | 9/21 | 1655 | | X | AS-RW04-001 | ~~6~~ TB 4 | 2 | 2 | 2 | | | | 942B19-~~8~~03 | 5-022975-~~80~~ TB 78 |
| RW05 | 9/21 | 1220 | | X | AS-RW05-001 | ~~6~~ TB 4 | 2 | 2 | 2 | | | | 942B19-~~8~~05 | 5-022981-~~86~~ TB 84 |
| RW06 | 9/21 | 1500 | | X | AS-RW06-001 | ~~6~~ TB 4 | 2 | 2 | 2 | | | | 942B19-~~8~~06 | 5-022987-~~92~~ TB 90 |
| FB01 | 9/21 | 902 | | X | AS-FB01-201 | ~~6~~ TB 4 | 2 | 2 | 2 | | | | 942B19-R07 | 5-022993-~~98~~ TB 96 |
| TB01 | 9/21 | 905 | | X | AS-TB01-201 | 2 | 2 | — | — | | | | 942B19-R09 | 5-022999, 023000 |

TB 9/22/94

| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
|---|---|---|---|---|---|
| Tonya Balla | 9/22/94 1115 | Wade A. Gregg | | | |
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
| Wade A. Gregg | 9/22/94 1420 | Lynette Burnett | | | |
| Relinquished by: (Signature) LB | Date / Time | Received for Laboratory by: (Signature) | Date / Time | Remarks | |
| ~~Lynette Burnett~~ | ~~9/22/94 1421~~ | | | COC #s 125525, 26 125527, 28 | |

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

5-06622

ENVIRONMENTAL PROTECTION AGENCY
Office of Enforcement

**REGION 5**
**230 South Dearborn Street**
**Chicago, Illinois 60604**

# CHAIN OF CUSTODY RECORD

PROJ. NO.: 71280.122
PROJECT NAME: Alco Steel Service
SAMPLERS: (Signature) TONYA BALLA Tonya Balla

INORGANICS
SF 940152

| STA. NO. | DATE | TIME | COMP. | GRAB | STATION LOCATION | NO. OF CONTAINERS | 1 L Poly | | | | | | CRL# | TAG# (REMARKS) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW01 | 9/21 | 1620 | | X | AS-RW01-001 | 2 | 2 | | | | | | 942B19-~~S~~01 9/22/94 | 5-022955,56 |
| RW02 | 9/21 | 1545 | | X | AS-RW02-001 | 2 | 2 | | | | | | 942B19-~~S~~02 | 5-022961,62 |
| RW02 | 9/21 | 1545 | | X | AS-RW02-101 | 2 | 2 | | | | | | 942B19-~~S~~08 | 5-022967,68 |
| RW04 | 9/21 | 1655 | | X | AS-RW04-001 | 2 | 2 | | | | | | 942B19-~~S~~03 | 5-022979,80 |
| RW05 | 9/21 | 1220 | | X | AS-RW05-001 | 2 | 2 | | | | | | 942B19-~~S~~05 | 5-022985,86 |
| RW06 | 9/21 | 1500 | | X | AS-RW06-001 | 2 | 2 | | | | | | 942B19-~~S~~06 | 5-022~~997,98~~ 91,92 TB 9/22/94 |
| FB01 | 9/21 | 902 | | X | AS-FB01-201 | 2 | 2 | | | | | | 942B19-R07 | 5-022997,98 |

| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
|---|---|---|---|---|---|
| Tonya Balla | 9/22/94 1115 | Wade A. Greg | | | |
| Relinquished by: (Signature) | Date / Time | Received by: (Signature) | Relinquished by: (Signature) | Date / Time | Received by: (Signature) |
| Wade A. Greg | 9/22/94 1420 | Lynette Burnett | | | |
| Relinquished by: (Signature) | Date / Time | Received for Laboratory by: (Signature) | Date / Time | Remarks: COC's 125529, 125530 | |

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

5-06624

940152

**ENVIRONMENTAL PROTECTION AGENCY**
**FOR THE TEAM: METALS**

TFA301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 9/21/94 LAB ARRIVAL DATE 9/22/94 DUE DATE 10/13/94

DU NUMBER TFA DATA SET NUMBER 940152 STUDY ALCO STEEL SERVICE PRIORITY N CONTRACTOR BLACK + VEATCH

| CRL LOG NUMBER | SAMPLE DESCRIPTION | 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 MET1221 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94ZB19S01 | AS-RW01-001 5022955 | X | | X | | X | | X | | X | | X | |
| 94ZB19S02 | AS-RW02-001 5022961 | X | | X | | X | | X | | X | | X | |
| 94ZB19S03 | AS-RW04-001 5022974 | X | | X | | X | | X | | X | | X | |
| 94ZB19S05 | AS-RW05-001 5022985 | X | | X | | X | | X | | X | | X | |
| 94ZB19S06 | AS-RW06-001 5022991 | X | | X | | X | | X | | X | | X | |
| 94ZB19R07 | AS-FB01-201 5022997 | X | | X | | X | | X | | X | | X | |
| 94ZB19S08 | AS-RW02-101 5022967 | X | | X | | X | | X | | X | | X | |

940152

ENVIRONMENTAL PROTECTION AGENCY TFA301
FOR THE TEAM METALS

DIVISION/BRANCH SUPERFUND SAMPLING DATE 9/21/94 LAB ARRIVAL DATE 9/22/94 DUE DATE 10/13/94

DU NUMBER TFA DATASET NUMBER 940152 STUDY ALCO STEEL SERVICE PRIORITY N CONTRACTOR BLACK & VEATCH

MATRIX WATER
TEST CADMIUM
UNITS ug/L
ME1235826

| CRL LOG NUMBER | SAMPLE DESCRIPTION | | |
|---|---|---|---|
| 942619 | | | |
| S01 | AS-RW01-001 | X | 5022955 |
| S02 | AS-RW02-001 | X | 5022961 |
| S03 | AS-RW04-001 | X | 5022979 |
| S05 | AS-RW05-001 | X | 5022985 |
| S06 | AS-RW06-001 | X | 5022991 |
| R07 | AS-FB01-201 | X | 5022997 |
| S08 | AS-RW02-101 | X | 5022967 |

CRL V.2: 3/85

940152

ENVIRONMENTAL PROTECTION AGENCY TFA 301
FOR THE TEAM: MINERALS - NUTRIENTS

DIVISION/BRANCH SUPERFUND SAMPLE DATE 9/21/94 LAB ARRIVAL DATE 9/22/94 DUE DATE 10/13/94

DU NUMBER TFA DATA SET NUMBER 940152 STUDY ALCO STEEL SERVICE PRIORITY N CONTRACTOR BLACK & VEITCH

| 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 76020 | WATER $CR^{+6}$ UG $CR^{+6}$/L MIN 74616 | WATER MERCURY UG HG/L MIN 74717 |
|---|---|---|---|---|---|---|
| 94ZB19S01 | AS-RW01-001 5022956 | | X | | | |
| 94ZB19S02 | AS-RW02-001 5022962 | | X | | | |
| 94ZB19S03 | AS-RW04-001 5022980 | | X | | | |
| 94ZB19S05 | AS-RW05-001 5022986 | | X | | | |
| 94ZB19S06 | AS-RW06-001 5022992 | | X | | | |
| 94ZB19R07 | AS-FB01-201 5022998 | | X | | | |
| 94ZB19S08 | AS-RW02-101 5022968 | | X | | | |
| 94ZB19S01 | AS-RW01-001 5022955 | | | | | X |
| 94ZB19S02 | AS-RW02-001 5022961 | | | | | X |
| 94ZB19S03 | AS-RW04-001 5022979 | | | | | X |
| 94ZB19S05 | AS-RW05-001 5022985 | | | | | X |
| 94ZB19S06 | AS-RW06-001 5022991 | | | | | X |
| 94ZB19R07 | AS-FB01-201 5022997 | | | | | X |
| 94ZB19S08 | AS-RW02-101 5022967 | | | | | X |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

940152

**ENVIRONMENTAL PROTECTION AGENCY** TFA301
**FOR THE TEAM: PESTICIDES AND PCB'S**

DIVISION/BRANCH SUPERFUND SAMPLE DATE 9/21/94 LAB ARRIVAL DATE 9/22/94 DUE DATE 10/13/94

DU NUMBER TFA DATA SET NUMBER 940152 STUDY ALCO STEEL SERVICE PRIORITY N CONTRACTOR BLACK + VEATCH

| 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 |
|---|---|---|---|---|---|---|
| 94ZB19S01 | AS-RW01-001 5-022959 | | X | X | | |
| 94ZB19S02 | AS-RW02-001 5-022960 | | X | X | | |
| 94ZB19S03 | AS-RW04-001 5-022978 | | X | X | | |
| 94ZB19S05 | AS-RW05-001 5-022989 | | X | X | | |
| 94ZB19S06 | AS-RW06-001 5-022990 | | X | X | | |
| 94ZB19R07 | AS-FB01-201 5-022996 | | X | X | | |
| 94ZB19S08 | AS-RW02-701 5-022966 | | X | X | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

940152

**ENVIRONMENTAL PROTECTION AGENCY**
**FOR THE TEAM: TOXIC SUBSTANCES**

TFA301

DIVISION/BRANCH SUPERFUND SAMPLE DATE 9/21/94 LAB ARRIVAL DATE 9/22/94 DUE DATE 10/13/94

DU NUMBER TFA DATA SET NUMBER 940152 STUDY ALLO STEEL SERVICE PRIORITY N CONTRACTOR BLACK & VEATCH

| CRL LOG NUMBER | SAMPLE DESCRIPTION | WATER VOLATILE ORGANICS SCAN UG/L TOX 17664 | WATER ABN ORGANICS SCAN UG/L TOX 17674 | SEDIMENTS SOLIDS VOLATILE ORGANICS SCAN MG/KG (DRY) TOX 215622 | SEDIMENTS SOLIDS ABN ORGANICS SCAN MG/KG (DRY) TOX 215722 |
|---|---|---|---|---|---|
| 94ZB19S01 | AS-RW01-001 5022951 5022952 | X | | | |
| 94ZB19S02 | AS-RW02-001 5022957 5022958 | X | | | |
| 94ZB19S03 | AS-RW04-001 5022975 5022976 | X | | | |
| 94ZB19S05 | AS-RW05-001 5022981 5022982 | X | | | |
| 94ZB19S06 | AS-RW06-001 5022987 5022988 | X | | | |
| 94ZB19R07 | AS-FB01-201 5022993 5022994 | X | | | |
| 94ZB19S08 | AS-RW02-101 5022963 5022964 | X | | | |
| 94ZB19R09 | AS-TB01-201 5022999 5023000 | X | | | |
| 94ZB19S01 | AS-RW01-001 5022953 | | X | | |
| 94ZB19S02 | AS-RW02-001 5022959 | | X | | |
| 94ZB19S03 | AS-RW04-001 5022977 | | X | | |
| 94ZB19S05 | AS-RW05-001 5022983 | | X | | |
| 94ZB19S06 | AS-RW06-001 5022989 | | X | | |
| 94ZB19R07 | AS-FB01-201 5022995 | | X | | |
| 94ZB19S08 | AS-RW02-101 5022965 | | X | | |
| | | | | | |
| | | | | | |
| | | | | | |

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION 5 CENTRAL REGIONAL LABORATORY**

**536 SOUTH CLARK STREET**

**CHICAGO, ILLINOIS 60605**

Date: NOV 14 1994

Subject: Review of Region 5 Data for SF 940152 ALCO STEEL SERVICE

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

To:

Attached are the results for SF 940152 ALCO STEEL SERVICE
CRL request number D940152
for analyses for PCB/PESTICIDES
Results are reported for sample designations: 94ZB19S01, 94ZB19S02, 94ZB19S03
94ZB19S05, 94ZB19S06, 94ZB19S08
94ZB19R07

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 performance audits were generally acceptable. MS/MSD were not required for this data set. The method blank and instrument blank did not contain target analytes above CRL detection limits. The LCS/LCS duplicate and PE sample data reported with this data set were acceptable. 6 out of 10 TCMX surrogate recoveries were less than 50% while 2 out of 10 values for DCB recoveries were less than 50%. However, these low DCB recoveries occurred in samples where the TCMX recoveries were rather high. Since this was an unusual occurrence, the analyst tried by process of elimination to find an explanation. (NOTE: This resulted in a delayed submission of the data package. )

There were no analytes of interest detected in the samples.

Data are acceptable for use.

Comments by Laboratory Director or Quality Control Coordinator

Review Record for SF 940152 ALCO STEEL SERVICE

Erlinda Evangelista E. Evangelista 11/7/94

Team Leader and Date ( X) Reviewed ( ) Unreviewed

Chi M. Tang Chi M. Tang 11/10/94

Section Chief and Date (✓) Reviewed ( ) Unreviewed

Charles J. Elby 11/10/94

QC Coordinator and Date (X) Reviewed ( ) Unreviewed

Sylvia Griffin NOV 14 1994

Data Management Coordinator and Date Received

Date Transmitted NOV 14 1994

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:

**EPA RLIMS CRL - REGION V**
**FINAL RESULTS REPORT**
**Parameter:PEST/PCB**

Sample organization: B & V
Sample Requestor: B & V
Facility: ALCO STEEL
Matrix:DRINKING
RLIMS Method:608W_P/P_DNS

Sample Batch ID: 940152
Account No: TFA301
Sample ID: 94ZB19R07
Units: ug/L

Date Collected:21-SEP-94
Date Extracted:09-SEP-94

Date Received:22-SEP-94
Date Analyzed:27-SEP-94

| CAS NUMBER | COMPOUND | AMOUNT | QUALIFIERS |
|---|---|---|---|
| 319846 | ALPHA-BHC | .01 | U |
| 58899 | LINDANE | .01 | U |
| 76448 | HEPTACHLOR | .01 | U |
| 309002 | ALDRIN | .01 | U |
| 1024573 | HEPTACHLOR EPOXIDE | .01 | U |
| 959988 | ENDOSULFAN I | .01 | U |
| 60571 | DIELDRIN | .02 | U |
| 72208 | ENDRIN | .02 | U |
| 3312659 | ENDOSULFAN II | .02 | U |
| 50293 | p,p'-DDT | .02 | U |
| 72-43-5 | METHOXYCHLOR | .1 | U |
| 319857 | BETA-BHC | .01 | U |
| 419868 | DELTA-BHC | .01 | U |
| 5103-74-2 | GAMMA-CHLORDANE | .01 | U |
| 5103-71-9 | ALPHA-CHLORDANE | .01 | U |
| 72559 | p,p'-DDE | .02 | U |
| 72548 | p,p'-DDD | .02 | U |
| 7421934 | ENDRIN ALDEHYDE | .02 | U |
| 1031078 | ENDOSULFAN SULFATE | .02 | U |
| 53494-70-5 | ENDRIN KETONE | .02 | U |
| 57-74-9 | TECHNICAL CHLORDANE | .2 | U |
| 8001352 | TOXAPHENE | 1 | U |
| 1104-28-2 | AROCLOR 1221 | .2 | U |
| 11141165 | AROCLOR 1232 | .2 | U |
| 53469219 | AROCLOR 1242 | .2 | U |
| 12674-11-2 | AROCLOR 1016 | .2 | U |
| 12672296 | AROCLOR 1248 | .2 | U |
| 11097691 | AROCLOR 1254 | .2 | U |
| 11096825 | AROCLOR 1260 | .2 | U |

**Analyzed by:** _____

**Team Leader:** _____

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:PEST/PCB

Sample organization: B & V
Sample Requestor: B & V
Facility: ALCO STEEL
Matrix:DRINKING
RLIMS Method:608W_P/P_DNS

Sample Batch ID: 940152
Account No: TFA301
Sample ID: 94ZB19S01
Units: ug/L

Date Collected:21-SEP-94
Date Extracted:09-SEP-94

Date Received:22-SEP-94
Date Analyzed:27-SEP-94

| CAS NUMBER | COMPOUND | AMOUNT | QUALIFIERS |
|---|---|---|---|
| 319846 | ALPHA-BHC | .01 | U |
| 58899 | LINDANE | .01 | U |
| 76448 | HEPTACHLOR | .01 | U |
| 309002 | ALDRIN | .01 | U |
| 1024573 | HEPTACHLOR EPOXIDE | .01 | U |
| 959988 | ENDOSULFAN I | .01 | U |
| 60571 | DIELDRIN | .02 | U |
| 72208 | ENDRIN | .02 | U |
| 3312659 | ENDOSULFAN II | .02 | U |
| 50293 | p,p'-DDT | .02 | U |
| 72-43-5 | METHOXYCHLOR | .1 | U |
| 319857 | BETA-BHC | .01 | U |
| 419868 | DELTA-BHC | .01 | U |
| 5103-74-2 | GAMMA-CHLORDANE | .01 | U |
| 5103-71-9 | ALPHA-CHLORDANE | .01 | U |
| 72559 | p,p'-DDE | .02 | U |
| 72548 | p,p'-DDD | .02 | U |
| 7421934 | ENDRIN ALDEHYDE | .02 | U |
| 1031078 | ENDOSULFAN SULFATE | .02 | U |
| 53494-70-5 | ENDRIN KETONE | .02 | U |
| 57-74-9 | TECHNICAL CHLORDANE | .2 | U |
| 8001352 | TOXAPHENE | 1 | U |
| 1104-28-2 | AROCLOR 1221 | .2 | U |
| 11141165 | AROCLOR 1232 | .2 | U |
| 53469219 | AROCLOR 1242 | .2 | U |
| 12674-11-2 | AROCLOR 1016 | .2 | U |
| 12672296 | AROCLOR 1248 | .2 | U |
| 11097691 | AROCLOR 1254 | .2 | U |
| 11096825 | AROCLOR 1260 | .2 | U |

Analyzed by: [illegible]

Team Leader: [illegible]

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:PEST/PCB

Sample organization: B & V
Sample Requestor: B & V
Facility: ALCO STEEL
Matrix:DRINKING
RLIMS Method:608W_P/P_DNS

Sample Batch ID: 940152
Account No: TFA301
Sample ID: 94ZB19S02
Units: ug/L

Date Collected:21-SEP-94
Date Extracted:09-SEP-94

Date Received:22-SEP-94
Date Analyzed:27-SEP-94

| CAS NUMBER | COMPOUND | AMOUNT | QUALIFIERS |
|---|---|---|---|
| 319846 | ALPHA-BHC | .01 | U |
| 58899 | LINDANE | .01 | U |
| 76448 | HEPTACHLOR | .01 | U |
| 309002 | ALDRIN | .01 | U |
| 1024573 | HEPTACHLOR EPOXIDE | .01 | U |
| 959988 | ENDOSULFAN I | .01 | U |
| 60571 | DIELDRIN | .02 | U |
| 72208 | ENDRIN | .02 | U |
| 3312659 | ENDOSULFAN II | .02 | U |
| 50293 | p,p'-DDT | .02 | U |
| 72-43-5 | METHOXYCHLOR | .1 | U |
| 319857 | BETA-BHC | .01 | U |
| 419868 | DELTA-BHC | .01 | U |
| 5103-74-2 | GAMMA-CHLORDANE | .01 | U |
| 5103-71-9 | ALPHA-CHLORDANE | .01 | U |
| 72559 | p,p'-DDE | .02 | U |
| 72548 | p,p'-DDD | .02 | U |
| 7421934 | ENDRIN ALDEHYDE | .02 | U |
| 1031078 | ENDOSULFAN SULFATE | .02 | U |
| 53494-70-5 | ENDRIN KETONE | .02 | U |
| 57-74-9 | TECHNICAL CHLORDANE | .2 | U |
| 8001352 | TOXAPHENE | 1 | U |
| 1104-28-2 | AROCLOR 1221 | .2 | U |
| 11141165 | AROCLOR 1232 | .2 | U |
| 53469219 | AROCLOR 1242 | .2 | U |
| 12674-11-2 | AROCLOR 1016 | .2 | U |
| 12672296 | AROCLOR 1248 | .2 | U |
| 11097691 | AROCLOR 1254 | .2 | U |
| 11096825 | AROCLOR 1260 | .2 | U |

**Analyzed by:** _____

**Team Leader:** _____

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:PEST/PCB

Sample organization: B & V
Sample Requestor: B & V
Facility: ALCO STEEL
Matrix:DRINKING
RLIMS Method:608W_P/P_DNS

Sample Batch ID: 940152
Account No: TFA301
Sample ID: 94ZB19803
Units: ug/L

Date Collected:21-SEP-94
Date Extracted:09-SEP-94

Date Received:22-SEP-94
Date Analyzed:27-SEP-94

| CAS NUMBER | COMPOUND | AMOUNT | QUALIFIERS |
|---|---|---|---|
| 319846 | ALPHA-BHC | .01 | U |
| 58899 | LINDANE | .01 | U |
| 76448 | HEPTACHLOR | .01 | U |
| 309002 | ALDRIN | .01 | U |
| 1024573 | HEPTACHLOR EPOXIDE | .01 | U |
| 959988 | ENDOSULFAN I | .01 | U |
| 60571 | DIELDRIN | .02 | U |
| 72208 | ENDRIN | .02 | U |
| 3312659 | ENDOSULFAN II | .02 | U |
| 50293 | p,p'-DDT | .02 | U |
| 72-43-5 | METHOXYCHLOR | .1 | U |
| 319857 | BETA-BHC | .01 | U |
| 419868 | DELTA-BHC | .01 | U |
| 5103-74-2 | GAMMA-CHLORDANE | .01 | U |
| 5103-71-9 | ALPHA-CHLORDANE | .01 | U |
| 72559 | p,p'-DDE | .02 | U |
| 72548 | p,p'-DDD | .02 | U |
| 7421934 | ENDRIN ALDEHYDE | .02 | U |
| 1031078 | ENDOSULFAN SULFATE | .02 | U |
| 53494-70-5 | ENDRIN KETONE | .02 | U |
| 57-74-9 | TECHNICAL CHLORDANE | .2 | U |
| 8001352 | TOXAPHENE | 1 | U |
| 1104-28-2 | AROCLOR 1221 | .2 | U |
| 11141165 | AROCLOR 1232 | .2 | U |
| 53469219 | AROCLOR 1242 | .2 | U |
| 12674-11-2 | AROCLOR 1016 | .2 | U |
| 12672296 | AROCLOR 1248 | .2 | U |
| 11097691 | AROCLOR 1254 | .2 | U |
| 11096825 | AROCLOR 1260 | .2 | U |

**Analyzed by:** _____

**Team Leader:** _____

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:PEST/PCB

Sample organization: B & V
Sample Requestor: B & V
Facility: ALCO STEEL
Matrix:DRINKING
RLIMS Method:608W_P/P_DNS

Sample Batch ID: 940152
Account No: TFA301
Sample ID: 94ZB19S05
Units: ug/L

Date Collected:21-SEP-94
Date Extracted:09-SEP-94

Date Received:22-SEP-94
Date Analyzed:27-SEP-94

| CAS NUMBER | COMPOUND | AMOUNT | QUALIFIERS |
|---|---|---|---|
| 319846 | ALPHA-BHC | .01 | U |
| 58899 | LINDANE | .01 | U |
| 76448 | HEPTACHLOR | .01 | U |
| 309002 | ALDRIN | .01 | U |
| 1024573 | HEPTACHLOR EPOXIDE | .01 | U |
| 959988 | ENDOSULFAN I | .01 | U |
| 60571 | DIELDRIN | .02 | U |
| 72208 | ENDRIN | .02 | U |
| 3312659 | ENDOSULFAN II | .02 | U |
| 50293 | p,p'-DDT | .02 | U |
| 72-43-5 | METHOXYCHLOR | .1 | U |
| 319857 | BETA-BHC | .01 | U |
| 419868 | DELTA-BHC | .01 | U |
| 5103-74-2 | GAMMA-CHLORDANE | .01 | U |
| 5103-71-9 | ALPHA-CHLORDANE | .01 | U |
| 72559 | p,p'-DDE | .02 | U |
| 72548 | p,p'-DDD | .02 | U |
| 7421934 | ENDRIN ALDEHYDE | .02 | U |
| 1031078 | ENDOSULFAN SULFATE | .02 | U |
| 53494-70-5 | ENDRIN KETONE | .02 | U |
| 57-74-9 | TECHNICAL CHLORDANE | .2 | U |
| 8001352 | TOXAPHENE | 1 | U |
| 1104-28-2 | AROCLOR 1221 | .2 | U |
| 11141165 | AROCLOR 1232 | .2 | U |
| 53469219 | AROCLOR 1242 | .2 | U |
| 12674-11-2 | AROCLOR 1016 | .2 | U |
| 12672296 | AROCLOR 1248 | .2 | U |
| 11097691 | AROCLOR 1254 | .2 | U |
| 11096825 | AROCLOR 1260 | .2 | U |

**Analyzed by:** _____

**Team Leader:** _____

**EPA RLIMS CRL - REGION V**
**FINAL RESULTS REPORT**
**Parameter: PEST/PCB**

Sample organization: B & V
Sample Requestor: B & V
Facility: ALCO STEEL
Matrix: DRINKING
RLIMS Method: 608W_P/P_DNS

Sample Batch ID: 940152
Account No: TFA301
Sample ID: 94ZB19806
Units: ug/L

Date Collected: 21-SEP-94
Date Extracted: 09-SEP-94

Date Received: 22-SEP-94
Date Analyzed: 27-SEP-94

| CAS NUMBER | COMPOUND | AMOUNT | QUALIFIERS |
|---|---|---|---|
| 319846 | ALPHA-BHC | .01 | U |
| 58899 | LINDANE | .01 | U |
| 76448 | HEPTACHLOR | .01 | U |
| 309002 | ALDRIN | .01 | U |
| 1024573 | HEPTACHLOR EPOXIDE | .01 | U |
| 959988 | ENDOSULFAN I | .01 | U |
| 60571 | DIELDRIN | .02 | U |
| 72208 | ENDRIN | .02 | U |
| 3312659 | ENDOSULFAN II | .02 | U |
| 50293 | p,p'-DDT | .02 | U |
| 72-43-5 | METHOXYCHLOR | .1 | U |
| 319857 | BETA-BHC | .01 | U |
| 419868 | DELTA-BHC | .01 | U |
| 5103-74-2 | GAMMA-CHLORDANE | .01 | U |
| 5103-71-9 | ALPHA-CHLORDANE | .01 | U |
| 72559 | p,p'-DDE | .02 | U |
| 72548 | p,p'-DDD | .02 | U |
| 7421934 | ENDRIN ALDEHYDE | .02 | U |
| 1031078 | ENDOSULFAN SULFATE | .02 | U |
| 53494-70-5 | ENDRIN KETONE | .02 | U |
| 57-74-9 | TECHNICAL CHLORDANE | .2 | U |
| 8001352 | TOXAPHENE | 1 | U |
| 1104-28-2 | AROCLOR 1221 | .2 | U |
| 11141165 | AROCLOR 1232 | .2 | U |
| 53469219 | AROCLOR 1242 | .2 | U |
| 12674-11-2 | AROCLOR 1016 | .2 | U |
| 12672296 | AROCLOR 1248 | .2 | U |
| 11097691 | AROCLOR 1254 | .2 | U |
| 11096825 | AROCLOR 1260 | .2 | U |

**Analyzed by:** _____

**Team Leader:** _____

EPA RLIMS CRL - REGION V
FINAL RESULTS REPORT
Parameter:PEST/PCB

Sample organization: B & V
Sample Requestor: B & V
Facility: ALCO STEEL
Matrix:DRINKING
RLIMS Method:608W_P/P_DNS

Sample Batch ID: 940152
Account No: TFA301
Sample ID: 94ZB19808
Units: ug/L

Date Collected:21-SEP-94
Date Extracted:09-SEP-94

Date Received:22-SEP-94
Date Analyzed:27-SEP-94

| CAS NUMBER | COMPOUND | AMOUNT | QUALIFIERS |
|---|---|---|---|
| 319846 | ALPHA-BHC | .01 | U |
| 58899 | LINDANE | .01 | U |
| 76448 | HEPTACHLOR | .01 | U |
| 309002 | ALDRIN | .01 | U |
| 1024573 | HEPTACHLOR EPOXIDE | .01 | U |
| 959988 | ENDOSULFAN I | .01 | U |
| 60571 | DIELDRIN | .02 | U |
| 72208 | ENDRIN | .02 | U |
| 3312659 | ENDOSULFAN II | .02 | U |
| 50293 | p,p'-DDT | .02 | U |
| 72-43-5 | METHOXYCHLOR | .1 | U |
| 319857 | BETA-BHC | .01 | U |
| 419868 | DELTA-BHC | .01 | U |
| 5103-74-2 | GAMMA-CHLORDANE | .01 | U |
| 5103-71-9 | ALPHA-CHLORDANE | .01 | U |
| 72559 | p,p'-DDE | .02 | U |
| 72548 | p,p'-DDD | .02 | U |
| 7421934 | ENDRIN ALDEHYDE | .02 | U |
| 1031078 | ENDOSULFAN SULFATE | .02 | U |
| 53494-70-5 | ENDRIN KETONE | .02 | U |
| 57-74-9 | TECHNICAL CHLORDANE | .2 | U |
| 8001352 | TOXAPHENE | 1 | U |
| 1104-28-2 | AROCLOR 1221 | .2 | U |
| 11141165 | AROCLOR 1232 | .2 | U |
| 53469219 | AROCLOR 1242 | .2 | U |
| 12674-11-2 | AROCLOR 1016 | .2 | U |
| 12672296 | AROCLOR 1248 | .2 | U |
| 11097691 | AROCLOR 1254 | .2 | U |
| 11096825 | AROCLOR 1260 | .2 | U |

Analyzed by: _____

Team Leader: _____

940152

**ENVIRONMENTAL PROTECTION AGENCY** TFA301
**FOR THE TEAM: PESTICIDES AND PCB'S**

DIVISION/BRANCH SUPERFUND SAMPLE DATE 9/21/94 LAB ARRIVAL DATE 9/22/94 DUE DATE 10/13/94

DU NUMBER TFA DATA SET NUMBER 940152 STUDY ALCO STEEL SERVICE PRIORITY N CONTRACTOR BLACK + VEATCH

| 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 |
|---|---|---|---|---|---|---|
| 94ZB19S01 | AS-RW01-001 5022959 | | X | X | | |
| 94ZB19S02 | AS-RW02-001 5022960 | | X | X | | |
| 94ZB19S03 | AS-RW04-001 5022978 | | X | X | | |
| 94ZB19S05 | AS-RW05-001 5022989 | | X | X | | |
| 94ZB19S06 | AS-RW06-001 5022990 | | X | X | | |
| 94ZB19R07 | AS-FB01-201 5022996 | | X | X | | |
| 94ZB19S08 | AS-RW02-701 5022966 | | X | X | | |

Unpacked Reviewed
9-30-94

PP940152

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **1** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|
| 1 | LRB | ALPHA - BHC | 1 | .01 U |
| 2 | LRB | LINDANE | 1 | .01 U |
| 4 | LRB | HEPTACHLOR | 1 | .01 U |
| 6 | LRB | ALDRIN | 1 | .01 U |
| 8 | LRB | HEPTACHLOR EPOXIDE | 1 | .01 U |
| 9 | LRB | ENDOSULFAN I | 1 | .01 U |
| 11 | LRB | DIELDRIN | 1 | .02 U |
| 13 | LRB | ENDRIN | 1 | .02 U |
| 15 | LRB | ENDOSULFAN II | 1 | .02 U |
| 16 | LRB | PP-DDT | 1 | .02 U |
| 18 | LRB | METHOXYCHLOR | 1 | .10 U |
| 20 | LRB | BETA-BHC | 1 | .01 U |
| 21 | LRB | DELTA-BHC | 1 | .01 U |
| 22 | LRB | GAMMA-CHLORDANE | 1 | .01 U |
| 24 | LRB | ALPHA-CHLORDANE | 1 | .01 U |
| 25 | LRB | PP-DDE | 1 | .02 U |
| 26 | LRB | PP-DDD | 1 | .02 U |
| 28 | LRB | ENDRIN ALDEHYDE | 1 | .02 U |
| 30 | LRB | ENDOSULFAN SULFATE | 1 | .02 U |
| 32 | LRB | ENDRIN KETONE | 1 | .02 U |
| 33 | LRB | T-CHLORDANE | 1 | .20 U |
| 34 | LRB | TOXAPHENE | 1 | 1.00 U |
| 35 | LRB | AROCLOR 1221 | 1 | .20 U |
| 36 | LRB | AROCLOR 1232 | 1 | .20 U |
| 37 | LRB | AROCLOR 1242 | 1 | .20 U |
| 39 | LRB | AROCLOR 1016 | 1 | .20 U |
| 40 | LRB | AROCLOR 1248 | 1 | .20 U |
| 41 | LRB | AROCLOR 1254 | 1 | .20 U |
| 43 | LRB | AROCLOR 1260 | 1 | .20 U |
| ** | LRB | TCMX RECOVERY | 1 | 36.7 * |
| ** | LRB | DCB RECOVERY | 1 | 52 |

| No | Sample ID | Parameter | Cont Type | Dilute | Result |
|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **2** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|
| 1 | 94ZB19R07 | PEST/PCB | SAM | ALPHA - BHC | 1 | .01 U |
| 2 | 94ZB19R07 | PEST/PCB | SAM | LINDANE | 1 | .01 U |
| 4 | 94ZB19R07 | PEST/PCB | SAM | HEPTACHLOR | 1 | .01 U |
| 6 | 94ZB19R07 | PEST/PCB | SAM | ALDRIN | 1 | .01 U |
| 8 | 94ZB19R07 | PEST/PCB | SAM | HEPTACHLOR EPOXIDE | 1 | .01 U |
| 9 | 94ZB19R07 | PEST/PCB | SAM | ENDOSULFAN I | 1 | .01 U |
| 11 | 94ZB19R07 | PEST/PCB | SAM | DIELDRIN | 1 | .02 U |
| 13 | 94ZB19R07 | PEST/PCB | SAM | ENDRIN | 1 | .02 U |
| 15 | 94ZB19R07 | PEST/PCB | SAM | ENDOSULFAN II | 1 | .02 U |
| 16 | 94ZB19R07 | PEST/PCB | SAM | PP-DDT | 1 | .02 U |
| 18 | 94ZB19R07 | PEST/PCB | SAM | METHOXYCHLOR | 1 | .10 U |
| 20 | 94ZB19R07 | PEST/PCB | SAM | BETA-BHC | 1 | .01 U |
| 21 | 94ZB19R07 | PEST/PCB | SAM | DELTA-BHC | 1 | .01 U |
| 22 | 94ZB19R07 | PEST/PCB | SAM | GAMMA-CHLORDANE | 1 | .01 U |
| 24 | 94ZB19R07 | PEST/PCB | SAM | ALPHA-CHLORDANE | 1 | .01 U |
| 25 | 94ZB19R07 | PEST/PCB | SAM | PP-DDE | 1 | .02 U |
| 26 | 94ZB19R07 | PEST/PCB | SAM | PP-DDD | 1 | .02 U |
| 28 | 94ZB19R07 | PEST/PCB | SAM | ENDRIN ALDEHYDE | 1 | .02 U |
| 30 | 94ZB19R07 | PEST/PCB | SAM | ENDOSULFAN SULFATE | 1 | .02 U |
| 32 | 94ZB19R07 | PEST/PCB | SAM | ENDRIN KETONE | 1 | .02 U |
| 33 | 94ZB19R07 | PEST/PCB | SAM | T-CHLORDANE | 1 | .20 U |
| 34 | 94ZB19R07 | PEST/PCB | SAM | TOXAPHENE | 1 | 1.00 U |
| 35 | 94ZB19R07 | PEST/PCB | SAM | AROCLOR 1221 | 1 | .20 U |
| 36 | 94ZB19R07 | PEST/PCB | SAM | AROCLOR 1232 | 1 | .20 U |
| 37 | 94ZB19R07 | PEST/PCB | SAM | AROCLOR 1242 | 1 | .20 U |
| 39 | 94ZB19R07 | PEST/PCB | SAM | AROCLOR 1016 | 1 | .20 U |
| 40 | 94ZB19R07 | PEST/PCB | SAM | AROCLOR 1248 | 1 | .20 U |
| 41 | 94ZB19R07 | PEST/PCB | SAM | AROCLOR 1254 | 1 | .20 U |
| 43 | 94ZB19R07 | PEST/PCB | SAM | AROCLOR 1260 | 1 | .20 U |
| ** | 94ZB19R07 | PEST/PCB | SAM | TCMX RECOVERY | 1 | 45.1* |
| ** | 94ZB19R07 | PEST/PCB | SAM | DCB RECOVERY | 1 | 75.3 |

| No | | | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Sample ID | Parameter | Cont Type | | Dilute | Result |
|---|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **3** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|
| 2 | LC1 | LINDANE | 1 | 93.00 |
| 4 | LC1 | HEPTACHLOR | 1 | 85.00 |
| 6 | LC1 | ALDRIN | 1 | 99.00 |
| 9 | LC1 | ENDOSULFAN I | 1 | 106.00 |
| 11 | LC1 | DIELDRIN | 1 | 112.00 |
| 13 | LC1 | ENDRIN | 1 | 105.00 |
| 16 | LC1 | PP-DDT | 1 | 111.00 |
| 18 | LC1 | METHOXYCHLOR | 1 | 132.00 |
| 22 | LC1 | GAMMA-CHLORDANE | 1 | 121.00 |
| 26 | LC1 | PP-DDD | 1 | 124.00 |
| 28 | LC1 | ENDRIN ALDEHYDE | 1 | 373 * |
| 30 | LC1 | ENDOSULFAN SULFATE | 1 | 126.00 |
| 37 | LC1 | AROCLOR 1242 | 1 | NA |
| 41 | LC1 | AROCLOR 1254 | 1 | NA |
| ** | LC1 | TCMX RECOVERY | 1 | 92.00 |
| ** | LC1 | DCB RECOVERY | 1 | 39.3 * |

| No | Sample ID | Parameter | Cont Type | Dilute | Result |
|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **4** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|
| 2 | LC2 | LINDANE | 1 | 97.00 |
| 3 | LC2 | LINDANE RPD | 1 | 4.40 |
| 4 | LC2 | HEPTACHLOR | 1 | 83.00 |
| 5 | LC2 | HEPTACHLOR RPD | 1 | 2.90 |
| 6 | LC2 | ALDRIN | 1 | 94.00 |
| 7 | LC2 | ALDRIN RPD | 1 | 4.80 |
| 9 | LC2 | ENDOSULFAN I | 1 | 107.00 |
| 10 | LC2 | ENDOSULFAN I RPD | 1 | .30 |
| 11 | LC2 | DIELDRIN | 1 | 108.00 |
| 12 | LC2 | DIELDRIN RPD | 1 | 2.70 |
| 13 | LC2 | ENDRIN | 1 | 104.00 |
| 14 | LC2 | ENDRIN RPD | 1 | .60 |
| 16 | LC2 | PP-DDT | 1 | 108.00 |
| 17 | LC2 | PP-DDT RPD | 1 | 3.50 |
| 18 | LC2 | METHOXYCHLOR | 1 | 130.00 |
| 19 | LC2 | METHOXYCHLOR RPD | 1 | 1.50 |
| 22 | LC2 | GAMMA-CHLORDANE | 1 | 117.00 |
| 23 | LC2 | GAMMA-CHLORDANE RPD | 1 | 3.80 |
| 26 | LC2 | PP-DDD | 1 | 115.00 |
| 27 | LC2 | PP-DDD RPD | 1 | 7.50 |
| 28 | LC2 | ENDRIN ALDEHYDE | 1 | 123.00 |
| 29 | LC2 | ENDRIN ALDEHYDE RPD | 1 | 100.6 * |
| 30 | LC2 | ENDOSULFAN SULFATE | 1 | 119.00 |
| 31 | LC2 | ENDOSULFAN SULFATE RPD | 1 | 5.80 |
| 37 | LC2 | AROCLOR 1242 | 1 | NA |
| 38 | LC2 | AROCLOR 1242 RPD | 1 | NA |
| 41 | LC2 | AROCLOR 1254 | 1 | NA |
| 42 | LC2 | AROCLOR 1254 RPD | 1 | NA |
| ** | LC2 | TCMX RECOVERY | 1 | 105.00 |
| ** | LC2 | DCB RECOVERY | 1 | 34.3* |

| No | Sample ID | Parameter | Cont Type | Dilute | Result |
|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **5** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|
| 1 | 94ZB19S01 | PEST/PCB | SAM | ALPHA - BHC | 1 | .01 U |
| 2 | 94ZB19S01 | PEST/PCB | SAM | LINDANE | 1 | .01 U |
| 4 | 94ZB19S01 | PEST/PCB | SAM | HEPTACHLOR | 1 | .01 U |
| 6 | 94ZB19S01 | PEST/PCB | SAM | ALDRIN | 1 | .01 U |
| 8 | 94ZB19S01 | PEST/PCB | SAM | HEPTACHLOR EPOXIDE | 1 | .01 U |
| 9 | 94ZB19S01 | PEST/PCB | SAM | ENDOSULFAN I | 1 | .01 U |
| 11 | 94ZB19S01 | PEST/PCB | SAM | DIELDRIN | 1 | .02 U |
| 13 | 94ZB19S01 | PEST/PCB | SAM | ENDRIN | 1 | .02 U |
| 15 | 94ZB19S01 | PEST/PCB | SAM | ENDOSULFAN II | 1 | .02 U |
| 16 | 94ZB19S01 | PEST/PCB | SAM | PP-DDT | 1 | .02 U |
| 18 | 94ZB19S01 | PEST/PCB | SAM | METHOXYCHLOR | 1 | .10 U |
| 20 | 94ZB19S01 | PEST/PCB | SAM | BETA-BHC | 1 | .01 U |
| 21 | 94ZB19S01 | PEST/PCB | SAM | DELTA-BHC | 1 | .01 U |
| 22 | 94ZB19S01 | PEST/PCB | SAM | GAMMA-CHLORDANE | 1 | .01 U |
| 24 | 94ZB19S01 | PEST/PCB | SAM | ALPHA-CHLORDANE | 1 | .01 U |
| 25 | 94ZB19S01 | PEST/PCB | SAM | PP-DDE | 1 | .02 U |
| 26 | 94ZB19S01 | PEST/PCB | SAM | PP-DDD | 1 | .02 U |
| 28 | 94ZB19S01 | PEST/PCB | SAM | ENDRIN ALDEHYDE | 1 | .02 U |
| 30 | 94ZB19S01 | PEST/PCB | SAM | ENDOSULFAN SULFATE | 1 | .02 U |
| 32 | 94ZB19S01 | PEST/PCB | SAM | ENDRIN KETONE | 1 | .02 U |
| 33 | 94ZB19S01 | PEST/PCB | SAM | T-CHLORDANE | 1 | .20 U |
| 34 | 94ZB19S01 | PEST/PCB | SAM | TOXAPHENE | 1 | 1.00 U |
| 35 | 94ZB19S01 | PEST/PCB | SAM | AROCLOR 1221 | 1 | .20 U |
| 36 | 94ZB19S01 | PEST/PCB | SAM | AROCLOR 1232 | 1 | .20 U |
| 37 | 94ZB19S01 | PEST/PCB | SAM | AROCLOR 1242 | 1 | .20 U |
| 39 | 94ZB19S01 | PEST/PCB | SAM | AROCLOR 1016 | 1 | .20 U |
| 40 | 94ZB19S01 | PEST/PCB | SAM | AROCLOR 1248 | 1 | .20 U |
| 41 | 94ZB19S01 | PEST/PCB | SAM | AROCLOR 1254 | 1 | .20 U |
| 43 | 94ZB19S01 | PEST/PCB | SAM | AROCLOR 1260 | 1 | .20 U |
| ** | 94ZB19S01 | PEST/PCB | SAM | TCMX RECOVERY | 1 | 40 * |
| ** | 94ZB19S01 | PEST/PCB | SAM | DCB RECOVERY | 1 | 51.6 |

| No | | | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Sample ID | Parameter | Cont Type | | Dilute | Result |
|---|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **6** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|
| 1 | 94ZB19S02 | PEST/PCB | SAM | ALPHA - BHC | 1 | .01 U |
| 2 | 94ZB19S02 | PEST/PCB | SAM | LINDANE | 1 | .01 U |
| 4 | 94ZB19S02 | PEST/PCB | SAM | HEPTACHLOR | 1 | .01 U |
| 6 | 94ZB19S02 | PEST/PCB | SAM | ALDRIN | 1 | .01 U |
| 8 | 94ZB19S02 | PEST/PCB | SAM | HEPTACHLOR EPOXIDE | 1 | .01 U |
| 9 | 94ZB19S02 | PEST/PCB | SAM | ENDOSULFAN I | 1 | .01 U |
| 11 | 94ZB19S02 | PEST/PCB | SAM | DIELDRIN | 1 | .02 U |
| 13 | 94ZB19S02 | PEST/PCB | SAM | ENDRIN | 1 | .02 U |
| 15 | 94ZB19S02 | PEST/PCB | SAM | ENDOSULFAN II | 1 | .02 U |
| 16 | 94ZB19S02 | PEST/PCB | SAM | PP-DDT | 1 | .02 U |
| 18 | 94ZB19S02 | PEST/PCB | SAM | METHOXYCHLOR | 1 | .10 U |
| 20 | 94ZB19S02 | PEST/PCB | SAM | BETA-BHC | 1 | .01 U |
| 21 | 94ZB19S02 | PEST/PCB | SAM | DELTA-BHC | 1 | .01 U |
| 22 | 94ZB19S02 | PEST/PCB | SAM | GAMMA-CHLORDANE | 1 | .01 U |
| 24 | 94ZB19S02 | PEST/PCB | SAM | ALPHA-CHLORDANE | 1 | .01 U |
| 25 | 94ZB19S02 | PEST/PCB | SAM | PP-DDE | 1 | .02 U |
| 26 | 94ZB19S02 | PEST/PCB | SAM | PP-DDD | 1 | .02 U |
| 28 | 94ZB19S02 | PEST/PCB | SAM | ENDRIN ALDEHYDE | 1 | .02 U |
| 30 | 94ZB19S02 | PEST/PCB | SAM | ENDOSULFAN SULFATE | 1 | .02 U |
| 32 | 94ZB19S02 | PEST/PCB | SAM | ENDRIN KETONE | 1 | .02 U |
| 33 | 94ZB19S02 | PEST/PCB | SAM | T-CHLORDANE | 1 | .20 U |
| 34 | 94ZB19S02 | PEST/PCB | SAM | TOXAPHENE | 1 | 1.00 U |
| 35 | 94ZB19S02 | PEST/PCB | SAM | AROCLOR 1221 | 1 | .20 U |
| 36 | 94ZB19S02 | PEST/PCB | SAM | AROCLOR 1232 | 1 | .20 U |
| 37 | 94ZB19S02 | PEST/PCB | SAM | AROCLOR 1242 | 1 | .20 U |
| 39 | 94ZB19S02 | PEST/PCB | SAM | AROCLOR 1016 | 1 | .20 U |
| 40 | 94ZB19S02 | PEST/PCB | SAM | AROCLOR 1248 | 1 | .20 U |
| 41 | 94ZB19S02 | PEST/PCB | SAM | AROCLOR 1254 | 1 | .20 U |
| 43 | 94ZB19S02 | PEST/PCB | SAM | AROCLOR 1260 | 1 | .20 U |
| ** | 94ZB19S02 | PEST/PCB | SAM | TCMX RECOVERY | 1 | 62.1 |
| ** | 94ZB19S02 | PEST/PCB | SAM | DCB RECOVERY | 1 | 67.6 |

| No | | | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Sample ID | Parameter | Cont Type | | Dilute | Result |
|---|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **7** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|
| 1 | 94ZB19S03 | PEST/PCB | SAM | ALPHA - BHC | 1 | .01 U |
| 2 | 94ZB19S03 | PEST/PCB | SAM | LINDANE | 1 | .01 U |
| 4 | 94ZB19S03 | PEST/PCB | SAM | HEPTACHLOR | 1 | .01 U |
| 6 | 94ZB19S03 | PEST/PCB | SAM | ALDRIN | 1 | .01 U |
| 8 | 94ZB19S03 | PEST/PCB | SAM | HEPTACHLOR EPOXIDE | 1 | .01 U |
| 9 | 94ZB19S03 | PEST/PCB | SAM | ENDOSULFAN I | 1 | .01 U |
| 11 | 94ZB19S03 | PEST/PCB | SAM | DIELDRIN | 1 | .02 U |
| 13 | 94ZB19S03 | PEST/PCB | SAM | ENDRIN | 1 | .02 U |
| 15 | 94ZB19S03 | PEST/PCB | SAM | ENDOSULFAN II | 1 | .02 U |
| 16 | 94ZB19S03 | PEST/PCB | SAM | PP-DDT | 1 | .02 U |
| 18 | 94ZB19S03 | PEST/PCB | SAM | METHOXYCHLOR | 1 | .10 U |
| 20 | 94ZB19S03 | PEST/PCB | SAM | BETA-BHC | 1 | .01 U |
| 21 | 94ZB19S03 | PEST/PCB | SAM | DELTA-BHC | 1 | .01 U |
| 22 | 94ZB19S03 | PEST/PCB | SAM | GAMMA-CHLORDANE | 1 | .01 U |
| 24 | 94ZB19S03 | PEST/PCB | SAM | ALPHA-CHLORDANE | 1 | .01 U |
| 25 | 94ZB19S03 | PEST/PCB | SAM | PP-DDE | 1 | .02 U |
| 26 | 94ZB19S03 | PEST/PCB | SAM | PP-DDD | 1 | .02 U |
| 28 | 94ZB19S03 | PEST/PCB | SAM | ENDRIN ALDEHYDE | 1 | .02 U |
| 30 | 94ZB19S03 | PEST/PCB | SAM | ENDOSULFAN SULFATE | 1 | .02 U |
| 32 | 94ZB19S03 | PEST/PCB | SAM | ENDRIN KETONE | 1 | .02 U |
| 33 | 94ZB19S03 | PEST/PCB | SAM | T-CHLORDANE | 1 | .20 U |
| 34 | 94ZB19S03 | PEST/PCB | SAM | TOXAPHENE | 1 | 1.00 U |
| 35 | 94ZB19S03 | PEST/PCB | SAM | AROCLOR 1221 | 1 | .20 U |
| 36 | 94ZB19S03 | PEST/PCB | SAM | AROCLOR 1232 | 1 | .20 U |
| 37 | 94ZB19S03 | PEST/PCB | SAM | AROCLOR 1242 | 1 | .20 U |
| 39 | 94ZB19S03 | PEST/PCB | SAM | AROCLOR 1016 | 1 | .20 U |
| 40 | 94ZB19S03 | PEST/PCB | SAM | AROCLOR 1248 | 1 | .20 U |
| 41 | 94ZB19S03 | PEST/PCB | SAM | AROCLOR 1254 | 1 | .20 U |
| 43 | 94ZB19S03 | PEST/PCB | SAM | AROCLOR 1260 | 1 | .20 U |
| ** | 94ZB19S03 | PEST/PCB | SAM | TCMX RECOVERY | 1 | 25.2 * |
| ** | 94ZB19S03 | PEST/PCB | SAM | DCB RECOVERY | 1 | 77.5 |

| No | | | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Sample ID | Parameter | Cont Type | | Dilute | Result |
|---|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **8** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|
| 1 | 94ZB19S05 | PEST/PCB | SAM | ALPHA - BHC | 1 | .01 U |
| 2 | 94ZB19S05 | PEST/PCB | SAM | LINDANE | 1 | .01 U |
| 4 | 94ZB19S05 | PEST/PCB | SAM | HEPTACHLOR | 1 | .01 U |
| 6 | 94ZB19S05 | PEST/PCB | SAM | ALDRIN | 1 | .01 U |
| 8 | 94ZB19S05 | PEST/PCB | SAM | HEPTACHLOR EPOXIDE | 1 | .01 U |
| 9 | 94ZB19S05 | PEST/PCB | SAM | ENDOSULFAN I | 1 | .01 U |
| 11 | 94ZB19S05 | PEST/PCB | SAM | DIELDRIN | 1 | .02 U |
| 13 | 94ZB19S05 | PEST/PCB | SAM | ENDRIN | 1 | .02 U |
| 15 | 94ZB19S05 | PEST/PCB | SAM | ENDOSULFAN II | 1 | .02 U |
| 16 | 94ZB19S05 | PEST/PCB | SAM | PP-DDT | 1 | .02 U |
| 18 | 94ZB19S05 | PEST/PCB | SAM | METHOXYCHLOR | 1 | .10 U |
| 20 | 94ZB19S05 | PEST/PCB | SAM | BETA-BHC | 1 | .01 U |
| 21 | 94ZB19S05 | PEST/PCB | SAM | DELTA-BHC | 1 | .01 U |
| 22 | 94ZB19S05 | PEST/PCB | SAM | GAMMA-CHLORDANE | 1 | .01 U |
| 24 | 94ZB19S05 | PEST/PCB | SAM | ALPHA-CHLORDANE | 1 | .01 U |
| 25 | 94ZB19S05 | PEST/PCB | SAM | PP-DDE | 1 | .02 U |
| 26 | 94ZB19S05 | PEST/PCB | SAM | PP-DDD | 1 | .02 U |
| 28 | 94ZB19S05 | PEST/PCB | SAM | ENDRIN ALDEHYDE | 1 | .02 U |
| 30 | 94ZB19S05 | PEST/PCB | SAM | ENDOSULFAN SULFATE | 1 | .02 U |
| 32 | 94ZB19S05 | PEST/PCB | SAM | ENDRIN KETONE | 1 | .02 U |
| 33 | 94ZB19S05 | PEST/PCB | SAM | T-CHLORDANE | 1 | .20 U |
| 34 | 94ZB19S05 | PEST/PCB | SAM | TOXAPHENE | 1 | 1.00 U |
| 35 | 94ZB19S05 | PEST/PCB | SAM | AROCLOR 1221 | 1 | .20 U |
| 36 | 94ZB19S05 | PEST/PCB | SAM | AROCLOR 1232 | 1 | .20 U |
| 37 | 94ZB19S05 | PEST/PCB | SAM | AROCLOR 1242 | 1 | .20 U |
| 39 | 94ZB19S05 | PEST/PCB | SAM | AROCLOR 1016 | 1 | .20 U |
| 40 | 94ZB19S05 | PEST/PCB | SAM | AROCLOR 1248 | 1 | .20 U |
| 41 | 94ZB19S05 | PEST/PCB | SAM | AROCLOR 1254 | 1 | .20 U |
| 43 | 94ZB19S05 | PEST/PCB | SAM | AROCLOR 1260 | 1 | .20 U |
| ** | 94ZB19S05 | PEST/PCB | SAM | TCMX RECOVERY | 1 | 37.8* |
| ** | 94ZB19S05 | PEST/PCB | SAM | DCB RECOVERY | 1 | 76.8 |

| No | | | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Sample ID | Parameter | Cont Type | | Dilute | Result |
|---|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **9** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|
| 1 | 94ZB19S06 | PEST/PCB | SAM | ALPHA - BHC | 1 | .01 U |
| 2 | 94ZB19S06 | PEST/PCB | SAM | LINDANE | 1 | .01 U |
| 4 | 94ZB19S06 | PEST/PCB | SAM | HEPTACHLOR | 1 | .01 U |
| 6 | 94ZB19S06 | PEST/PCB | SAM | ALDRIN | 1 | .01 U |
| 8 | 94ZB19S06 | PEST/PCB | SAM | HEPTACHLOR EPOXIDE | 1 | .01 U |
| 9 | 94ZB19S06 | PEST/PCB | SAM | ENDOSULFAN I | 1 | .01 U |
| 11 | 94ZB19S06 | PEST/PCB | SAM | DIELDRIN | 1 | .02 U |
| 13 | 94ZB19S06 | PEST/PCB | SAM | ENDRIN | 1 | .02 U |
| 15 | 94ZB19S06 | PEST/PCB | SAM | ENDOSULFAN II | 1 | .02 U |
| 16 | 94ZB19S06 | PEST/PCB | SAM | PP-DDT | 1 | .02 U |
| 18 | 94ZB19S06 | PEST/PCB | SAM | METHOXYCHLOR | 1 | .10 U |
| 20 | 94ZB19S06 | PEST/PCB | SAM | BETA-BHC | 1 | .01 U |
| 21 | 94ZB19S06 | PEST/PCB | SAM | DELTA-BHC | 1 | .01 U |
| 22 | 94ZB19S06 | PEST/PCB | SAM | GAMMA-CHLORDANE | 1 | .01 U |
| 24 | 94ZB19S06 | PEST/PCB | SAM | ALPHA-CHLORDANE | 1 | .01 U |
| 25 | 94ZB19S06 | PEST/PCB | SAM | PP-DDE | 1 | .02 U |
| 26 | 94ZB19S06 | PEST/PCB | SAM | PP-DDD | 1 | .02 U |
| 28 | 94ZB19S06 | PEST/PCB | SAM | ENDRIN ALDEHYDE | 1 | .02 U |
| 30 | 94ZB19S06 | PEST/PCB | SAM | ENDOSULFAN SULFATE | 1 | .02 U |
| 32 | 94ZB19S06 | PEST/PCB | SAM | ENDRIN KETONE | 1 | .02 U |
| 33 | 94ZB19S06 | PEST/PCB | SAM | T-CHLORDANE | 1 | .20 U |
| 34 | 94ZB19S06 | PEST/PCB | SAM | TOXAPHENE | 1 | 1.00 U |
| 35 | 94ZB19S06 | PEST/PCB | SAM | AROCLOR 1221 | 1 | .20 U |
| 36 | 94ZB19S06 | PEST/PCB | SAM | AROCLOR 1232 | 1 | .20 U |
| 37 | 94ZB19S06 | PEST/PCB | SAM | AROCLOR 1242 | 1 | .20 U |
| 39 | 94ZB19S06 | PEST/PCB | SAM | AROCLOR 1016 | 1 | .20 U |
| 40 | 94ZB19S06 | PEST/PCB | SAM | AROCLOR 1248 | 1 | .20 U |
| 41 | 94ZB19S06 | PEST/PCB | SAM | AROCLOR 1254 | 1 | .20 U |
| 43 | 94ZB19S06 | PEST/PCB | SAM | AROCLOR 1260 | 1 | .20 U |
| ** | 94ZB19S06 | PEST/PCB | SAM | TCMX RECOVERY | 1 | 43.6* |
| ** | 94ZB19S06 | PEST/PCB | SAM | DCB RECOVERY | 1 | 106.7 |

| No | | | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Sample ID | Parameter | Cont Type | | Dilute | Result |
|---|---|---|---|---|---|---|

INSTRUMENT RUN REPORT

07-NOV-94

Instrument Run: **PP940152** Instrument Id: **GC/EC #1** Analyst: **KMINCZUK**

Start Date: **26-SEP-94** Template: **608P/PT0002**
End Date: **27-SEP-94** Source:

Event: **10** Method: **608W_P/P_DNS** Default Dilution Factor: **1**

Sample/QC/TIC Results

| No | Sample Id | Parameter | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|
| 1 | 94ZB19S08 | PEST/PCB | SAM | ALPHA - BHC | 1 | .01 U |
| 2 | 94ZB19S08 | PEST/PCB | SAM | LINDANE | 1 | .01 U |
| 4 | 94ZB19S08 | PEST/PCB | SAM | HEPTACHLOR | 1 | .01 U |
| 6 | 94ZB19S08 | PEST/PCB | SAM | ALDRIN | 1 | .01 U |
| 8 | 94ZB19S08 | PEST/PCB | SAM | HEPTACHLOR EPOXIDE | 1 | .01 U |
| 9 | 94ZB19S08 | PEST/PCB | SAM | ENDOSULFAN I | 1 | .01 U |
| 11 | 94ZB19S08 | PEST/PCB | SAM | DIELDRIN | 1 | .02 U |
| 13 | 94ZB19S08 | PEST/PCB | SAM | ENDRIN | 1 | .02 U |
| 15 | 94ZB19S08 | PEST/PCB | SAM | ENDOSULFAN II | 1 | .02 U |
| 16 | 94ZB19S08 | PEST/PCB | SAM | PP-DDT | 1 | .02 U |
| 18 | 94ZB19S08 | PEST/PCB | SAM | METHOXYCHLOR | 1 | .10 U |
| 20 | 94ZB19S08 | PEST/PCB | SAM | BETA-BHC | 1 | .01 U |
| 21 | 94ZB19S08 | PEST/PCB | SAM | DELTA-BHC | 1 | .01 U |
| 22 | 94ZB19S08 | PEST/PCB | SAM | GAMMA-CHLORDANE | 1 | .01 U |
| 24 | 94ZB19S08 | PEST/PCB | SAM | ALPHA-CHLORDANE | 1 | .01 U |
| 25 | 94ZB19S08 | PEST/PCB | SAM | PP-DDE | 1 | .02 U |
| 26 | 94ZB19S08 | PEST/PCB | SAM | PP-DDD | 1 | .02 U |
| 28 | 94ZB19S08 | PEST/PCB | SAM | ENDRIN ALDEHYDE | 1 | .02 U |
| 30 | 94ZB19S08 | PEST/PCB | SAM | ENDOSULFAN SULFATE | 1 | .02 U |
| 32 | 94ZB19S08 | PEST/PCB | SAM | ENDRIN KETONE | 1 | .02 U |
| 33 | 94ZB19S08 | PEST/PCB | SAM | T-CHLORDANE | 1 | .20 U |
| 34 | 94ZB19S08 | PEST/PCB | SAM | TOXAPHENE | 1 | 1.00 U |
| 35 | 94ZB19S08 | PEST/PCB | SAM | AROCLOR 1221 | 1 | .20 U |
| 36 | 94ZB19S08 | PEST/PCB | SAM | AROCLOR 1232 | 1 | .20 U |
| 37 | 94ZB19S08 | PEST/PCB | SAM | AROCLOR 1242 | 1 | .20 U |
| 39 | 94ZB19S08 | PEST/PCB | SAM | AROCLOR 1016 | 1 | .20 U |
| 40 | 94ZB19S08 | PEST/PCB | SAM | AROCLOR 1248 | 1 | .20 U |
| 41 | 94ZB19S08 | PEST/PCB | SAM | AROCLOR 1254 | 1 | .20 U |
| 43 | 94ZB19S08 | PEST/PCB | SAM | AROCLOR 1260 | 1 | .20 U |
| ** | 94ZB19S08 | PEST/PCB | SAM | TCMX RECOVERY | 1 | 69.7 |
| ** | 94ZB19S08 | PEST/PCB | SAM | DCB RECOVERY | 1 | 73.6 |

| No | | | Cont Type | Prompt | Dilute | Result |
|---|---|---|---|---|---|---|

| No | Sample ID | Parameter | Cont Type | | Dilute | Result |
|---|---|---|---|---|---|---|

**LOCKHEED ESAT CONTRACT**
**DATA SET CUSTODY TRANSFER FORM**

DATA SET NUMBER SF 940152 CHARGE NUMBER ~~233-51-185/130~~ 234-51-020 ZR 10-6-94

SITE NAME: ALCO STEEL SERVICE TID NUMBER ~~05-94-0912~~ 09-94-1012 ZR 10-6-94

PARAMETER: PEST/PCB MATRIX: WATER

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

SAMPLE NUMBERS: 94ZB19501, 94ZB19502, 94ZB19503, 94ZB19505, 94ZB19506, 94ZB19R07 and 94ZB19508

NUMBER OF SAMPLES: 7
Data package included also 4 QC samples: MB, LCS, LCS DUP and PE PR713

**ESAT APPROVALS:**

| | | | |
|---|---|---|---|
| Krystyna Minczuk | 10-05-94 | [signature] | 10-6-94 |
| Analyst | Date | Task Group Leader | Date |
| Lewis Kay | 10/5/94 | Donna Mellen | 10-6-94 |
| 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 Minczuk | | E. Evangelista | 10/6/94 |
| Relinquished by | Date | Received by | Date |

**EPA APPROVALS:**

| | | |
|---|---|---|
| E. Evangelista | 11-7-94 | [✓] Reviewed |
| EPA Task Monitor | Date | [ ] Unreviewed |
| | | [✓] Accepted |
| | | [ ] Rejected |
| | | [ ] Returned: ____ Date |

COMMENTS: Data set was put on hold while the analyst investigated "unusual" DCB recoveries.

| | | | |
|---|---|---|---|
| Chris Fang | 11/10/94 | [✓] Reviewed | [ ] Unreviewed |
| Section Chief | Date | | |

| | | | |
|---|---|---|---|
| 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.**

# CHECKLIST FOR PESTICIDE/PCB DATA PACKAGES

CRL Method: 10/92

Site: Alco Steel Service

Superfund Number SF 940152

Charge Number 234-51-020 233-51-185

TID# 0594-0912 0594-1012

**Analyst/Date (QC1):** K. Minczuk 10/04/94

**Task Leader/Date (QC2):**

**QA Personnel/Date (QC3):** [signature] 10/6/94

| | | Approvals QC1 | QC2 | QC3 |
|---|---|---|---|---|
| **I.** | **DATA CUSTODY** | | | |
| 1. | Data Set Custody Form is correct | ✓ | ✓ | ✓ |
| 2. | Pesticide/PCB deliverables check-off list is correct | ✓ | ✓ | ✓ |
| **II.** | **PART I FORMS (for both 1 and 2 columns)** | | | |
| 1. | Sample analysis request is present | ✓ | ✓ | ✓ |
| 2. | The sample report Forms are correct | ✓ | ✓ | ✓ |
| 3. | Sample preparation bench sheet is correct | ✓ | ✓ | ✓ |
| 4. | GC run sequences are present and all information are correct | ✓ | ✓ | ✓ |
| 5. | Internal Standard Table is correct | — | — | — |
| 6. | The degradation of Endrin and DDT are present | ✓ | ✓ | ✓ |
| 7. | The initial and continuing calibration forms are present | ✓ | ✓ | ✓ |
| 8. | ~~Matrix spike/matrix spike duplicate or~~ LCS forms are present | ✓ | ✓ | ✓ |
| 9. | Surrogates (TCMX and DCB) are within the QC limits | ✓ | ✓(1) | No |
| **III.** | **PART II ENDRIN AND DDT DEGRADATION RAW DATA** | | | |
| 1. | Endrin and DDT degradation report and chromatograms are present | ✓ | ✓ | ✓ |
| **IV.** | **PART III STANDARDS RAW DATA** | | | |
| 1. | Calibration reports and chromatograms and calibration curves are present | ✓ | ✓ | ✓ |
| 2. | Correlation coefficient factors are greater than 0.995 | ✓ | ✓(1) | 1 out |
| 3. | Continuing calibration reports are present | ✓ | ✓ | ✓ |
| **V.** | **PART IV QC RAW DATA** | | | |
| 1. | The report and chromatogram for solvent blanks are present | ✓ | ✓ | ✓ |
| 2. | The report and chromatogram for method blanks are present | ✓ | ✓ | ✓ |
| 3. | The report and chromatogram for spike are acceptable | ✓ | ✓ | ✓ |

# CHECKLIST FOR PESTICIDE/PCB DATA PACKAGES

| | Approvals QC1 | QC2 | QC3 |
|---|---|---|---|
| **VI. PART V SAMPLE RESULTS** | | | |
| 1. Reports and chromatograms for sample data are present | ✓ | ✓ | ✓ |
| 2. Positive hits are correctly identified | | ✓ | ✓ |
| 3. For positive hits comparison chromatograms are present | | ✓ | ✓ |
| **II. CASE NARRATIVE** (Form ESAT-5-007.0) | | | |
| 1. Method, Date, Author are on narrative | ✓ | ✓ | ✓ |
| 2. The narrative is consistent with the facts | ✓ | ✓ | See notes |
| 3. Spelling, grammar, usage, style are correct | ✓ | ✓ | See notes |
| **VIII. TIME TRACKING** (ESAT-5-018.1) | | | |
| 1. The time tracking sheet is present | ✓ | ✓ | ✓ |
| 2. The time tracking form is completed | ✓ | ✓ | ✓ |
| **VIII. DATA CUSTODY** (ESAT-5-014.6) | | | |
| 1. The data set custody transfer is present | ✓ | ✓ | ✓ |
| **For QB samples only** | | | |
| 1. FORM I PEST 1D is present and correct | | | |
| 2. FORM III PEST-1 3E is present | | | |
| 3. FORM II PEST -1 2E is present | | | |
| 4. FORM IV PEST 4C is correct and samples are properly listed | | | |
| 5. FORM VIII PEST-1 is present | | | |

**IX. COMMENTS**

(1) outliers noted

Data Package approved for release: Yes No (Circle) Date_____

Returned for correction of deficiencies: Yes No (Circle) Date_____

ESAT-5-018.1

# LOCKHEED
# ANALYTICAL LABORATORY
# TIME TRACKING RECORD

234-51-020

Task Number: 233-51-185/180 Date Assigned: 9/23/94
TID Number: 0594-0912/0594-1012 Date Due: 10/07/94
SF Number: 940152 Estimated Hours: 40 + 40
Site Name: Alco Steel Service
Assigned To: K. Minnich

VOA _____ BNA _____ Pest/PCBs X Other _____

**********

## Extraction Record

| | | |
|---|---|---|
| Person: K. Minnich | Date: 9/12-16/94 | Hours: 8 |
| Person: S. Tobin | Date: 9/12-16/94 | Hours: 4 |
| Person: | Date: | Hours: |
| Person: | Date: | Hours: |

**********

## Analysis Record

| | | |
|---|---|---|
| Person: K. Minnich | Date: 9/19-23/94 | Hours: 10 |
| Person: K. Minnich | Date: 9/26-30/94 | Hours: 31.5 |
| Person: K. Minnich | Date: 10/05/94 | Hours: 4 |
| Person: | Date: | Hours: |
| Person: | Date: | Hours: |
| Person: | Date: | Hours: |

**********

## QA/QC Record

| | | |
|---|---|---|
| Person: [illegible] | Date: 10/6/94 | Hours: 1.0 |
| Person: Z.R. | Date: 10-6-94 | Hours: 1.0 |
| Person: | Date: | Hours: |

**********

## LIMS Data Entry

| | | |
|---|---|---|
| Person: | Date: | Hours: |
| Person: | Date: | Hours: |

**********

Comments:

**********

Total Hours: _____ EMT: _____

LOCKHEED ENGINEERING & SCIENCES COMPANY

# PESTICIDE/PCB DELIVERABLES CHECK-OFF LIST

DATA SET NUMBER: SF 940152

CHARGE NUMBER: 233-51-180 233-51-185 234-51-020

| 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~~ KM 9-30-94

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~~ LCS (AQC) Forms KM 9-30-94
- (i) Primary
- (ii) Secondary

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

# ESAT Work Unit Document (WUD)

| | | | |
|---|---|---|---|
| REQUESTOR: | E. EVANGELISTA 9/23 | DATE: | 9-23-94 |
| SITE NAME: | SF 940152 ALCO STEEL SERVICE | | |
| SUPERFUND ACCOUNT NUMBER: | | | |
| TASK AREA: | I | | |

**To be completed by Task Monitor**

TASK DESCRIPTION:

ANALYZE 7 RES WELL WATER SAMPLES FOR PCB/PESTICIDES ( SOW OLCO1 )

DELIVERABLES:

SUBMIT DATA PACKAGE AS PER CRL REQUIREMENTS. ENTER RESULTS INTO RLIMS. INCLUDE THE DATA FOR LCS, LCS DUP & PE SAMPLE. PLEASE INFORM TASK MONITOR IN WRITING BY 10/04 IF DUE DATE CAN NOT BE MET.

| | | | |
|---|---|---|---|
| START DATE: | 10-1-94 | COMPLETION DATE: | 10-7-94 |
| ESTIMATED HOURS: | 40 | | |

**To be completed by PO/RPO**

| | | | |
|---|---|---|---|
| WORK UNIT NUMBER: | 234-51-020 | TID NUMBER: | 0594-1012 |
| PO/RPO APPROVAL: | Jamy Thelper | DATE: | 9 23 94 |

**To be completed by ESAT**

| | |
|---|---|
| COI CHECK COMPLETED?: Yes | ESAT CONTACT: (ETM or Group Leader) |
| ETM ACKNOWLEDGEMENT OF RECEIPT: Dennis Miller | |
| COMPLETION DATE: | HOURS |

**To be completed by PO/RPO/TM**

| | | | |
|---|---|---|---|
| EVALUATION | RECIEVED BY: | | |
| TECHNICAL: | ACCEPTED | | DATE: |
| TIMELINESS: | RETURN | | DATE: |
| BUDGET: | *Please attach a separate page for comments.* | | |

REGION SPECIFIC INFORMATION

PROJECT NO:

RE ASSIGN for Option Year III 10/3/94 JR

# ESAT Work Unit Document (WUD)

| | | | |
|---|---|---|---|
| REQUESTOR: | E. EVANGELISTA EE 9/23 | DATE: | 9-23-94 |
| SITE NAME: | SF 940152 ALCO STEEL SERVICE | | |
| SUPERFUND ACCOUNT NUMBER: | | | |
| TASK AREA: | | | |

***To be completed by Task Monitor***

TASK DESCRIPTION:

ANALYZE 7 RES WELL WATER SAMPLES FOR PCB/PESTICIDES ( SOW OLCO1 )

DELIVERABLES:

SUBMIT DATA PACKAGE AS PER CRL REQUIREMENTS. ENTER RESULTS INTO RLIMS. INCLUDE THE DATA FOR LCS, LCS DUP & PE SAMPLE. PLEASE INFORM TASK MONITOR IN WRITING BY 10/04 IF DUE DATE CAN NOT BE MET.

| | | | |
|---|---|---|---|
| START DATE: | 9-23-94 | COMPLETION DATE: | 10-07-94 |
| ESTIMATED HOURS: | 70 | | |

***To be completed by PO/RPO***

| | | | |
|---|---|---|---|
| WORK UNIT NUMBER: | 233-51-185 | TID NUMBER: | 0594-0912 |
| PO/RPO APPROVAL: | | DATE: | |

***To be completed by ESAT***

| | |
|---|---|
| COI CHECK COMPLETED?: | ESAT CONTACT: (ETM or Group Leader) |
| ETM ACKNOWLEDGEMENT OF RECEIPT: | |
| COMPLETION DATE: | HOURS |

***To be completed by PO/RPO/TM***

| | | | |
|---|---|---|---|
| EVALUATION | RECIEVED BY: | | |
| TECHNICAL: | ACCEPTED | | DATE: |
| TIMELINESS: | RETURN | | DATE: |
| BUDGET: | *Please attach a separate page for comments.* | | |

REGION SPECIFIC INFORMATION

PROJECT NO:

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: 10/05/94

Subject: Pesticide/PCB Analysis for data set SF 940152
(TID # 05-94-0812 and 05-94-1012)

Method number: Modif.10/92 Site name: ALCO STEEL SERVICE

Date generated: 10/03/94 Charge Numbers: 234-51-020

Author: Krystyna Minczuk TID Numbers: 05-94-1012

## CASE NARRATIVE

Seven (7) residential well water samples (94ZB19R07, 94ZB19S01, 94ZB19S02, 94ZB19S03, 94ZB19S05, 94ZB19S06 and 94ZB19S08) from data set SF 940152 and four (4) QC samples (MB, LCS, LCS DUP and PE PR713) were submitted for Pesticide/PCB analysis by GC/ECD utilizing Method for Low Concentration Water for Organic Analysis 10/92 and
A total of eight (8) samples were extracted, consisting of seven (7) samples and Method Blank (MB 092594) on 09-25-1994 and four (4) QC samples including Method Blank (MB 091594), Laboratory Control Sample (LCS), Laboratory Control Sample Duplicate (LCS DUP) and Performance Eveluation sample (PE PR 713) were extracted on 09-15-1994. All samples were extracted by a continuous liquid/liquid procedure. All samples were concentrated to 5 mL with exception of LCS and LCS DUP which were concentrate to 10 mL. For all sample extracts Florisil cleanup were performed.

The samples from data set SF 940152 were collected on 09-21-1994 and were received on 09-22-1994. The laboratory performed the extraction within the required 7 days holding time criteria.

Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCS DUP) were prepared by spiking one (1) liter of reagent water with the 1 mL of spiking solution used for MS/MSD samples.

Performance Evaluation Sample (PE) was prepared by spiking one (1) liter of reagent water with the spiking concentrate.

No problems were encountered in the extraction and analysis of these samples.

### GC SYSTEM PERFORMANCE

Endrin degradation on the primary column (DB-608 megabore capillary) met the < 10% QC limit.

Endrin degradation on the secondary (DB-5 megabore capillary) exceeded the QC limit at ≤ 10% with value 12.0% in the initial check.

DDT degradation on both the primary (DB-608) and secondary (DB-5) columns met the QC limit <10%.

BLANKS

The method blank and solvent blanks did not contain any target compounds above the CRL detection limits.

SURROGATE RECOVERIES

The TCMX surrogate recoveries on the primary column ranged from 25.2% to 104.7%. The TCMX recoveries on the secondary column were in agreement with the primary and ranged from 18.1% to 104.0%. On both columns six (6) of twelve (12) extracts had recoveries in the acceptable range (60-150%).

The DCB recoveries on the primary column ranged from 25.8% to 106.7%. The secondary column DCB recoveries ranged from 21.8% to 118.9%. On both columns six (6) of twelve (12) extracts having recoveries in the acceptable range (60-150%).

LABORATORY CONTROL/LABORATORY CONTROL DUPLICATE SAMPLE

The Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCS DUP) recoveries were all acceptable on the primary column with the exception of Methoxychlor in LCS (REC=132%; QC limit 70-130%) and Endrin Aldehyde which coeluted with an unknown contaminant. All percent RPD (%RPD) were acceptable with the only exception of Endrin Aldehyde.

On the secondary column recoveries were acceptable with the exception of enhanced recoveries for Endosulfan Sulfate and p,p'-DDT due to coelution of these pesticides. All percent RPD (%RPD) were acceptable.

PERFORMANCE EVALUATION SAMPLE (PE)

The Performance Evaluation Sample (PE PR 713) recoveries were within the window.

INTERNAL STANDARD SUMMARY

All samples and standards were quantitated using external standard methods.

INITIAL CALIBRATION

For the primary column, the initial calibrations for Pesticide Mix A, Pesticide Mix B and Aroclor 1242 were acceptable with correlation coefficients of 0.995 or higher. The exceptions was DCB (0.990) in Pest B Mix.

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

CONTINUING CALIBRATIONS

Primary Column

Pesticide Mix A: All analytes in the continuing calibration standard met the CRL QC requirements (RPD $\leq$ 15%).

Pesticide Mix B: All analytes in the continuing calibration standard met the CRL QC requirements (RPD $\leq$ 15%) with the exception of g-Chlordane (RPD=16.6%).

Aroclor 1242: All peaks in the continuing calibration standard met the CRL QC requirements (RPD $\leq$ 15%) with exception of 1242-E (RPD=15.3%).

Secondary Column

Pesticide Mix A: All analytes in the continuing calibration standard met the CRL QC requirements (RPD $\leq$ 15%).

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

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

SAMPLE RESULTS

No target compounds were detected above the CRL detection limits in the samples for this data set. However, in the sample 94ZB19S05, the pattern of Aroclor 1242 was detected. This sample was re-run on a diffrent GC with the Aroclor 1242 detected. The concentration of Aroclor 1242 detected in sample 94ZB19S05 was 0.04 ug/L which is below the detection limit (0.2 ug/L) and below the lowest concentration of the Aroclor standard (0.1 ug/ML). All manually calculations and comparison chromatograms from both GCs are included in this data package.

# FORM 1C
## PCB/PESTICDE EXTRACTION

DATA SET(S) SF 940152 DATE EXTRACTED 09-25-94

SAMPLE TYPE(S) Water DATE CONCENTRATED 09-26-94

EXTRACTION SYSTEM Cont L/L DATE COMPLETED 09-26-94

SOLVENT SYSTEM MeCl2 VOLUMES USED 500 mL

| SAMPLE NUMBER | SAMPLE AMOUNT | pH | CON. EXTRACT | DILUTION 1ST | DILUTION 2ND | DILUTION 3RD | FINAL VOLUME | INSTDS MRX/OTHER |
|---|---|---|---|---|---|---|---|---|
| MB 92594 | 1L | 5 | | | | | 5 mL | |
| 942B19R07 | 1L | 5 | | | | | 5 mL | |
| 942B19S01 | 1L | 7 | | | | | 5 mL | |
| 942B19S02 | 1L | 7 | | | | | 5 mL | |
| 942B19S03 | 1L | 6.5 | | | | | 5 mL | |
| 942B19S05 | 1L | 7 | | | | | 5 mL | |
| 942B19S06 | 1L | 7 | | | | | 5 mL | |
| 942B19S08 | 1L | 6.5 | | | | | 5 mL | |

| SAMPLE DESCRIPTION | CONCENTRATION OF SOLUTION | VOLUME OF SPIKE | PREPARATION DATE | COMMENTS |
|---|---|---|---|---|
| PESTICIDE SPIKE SOLN | NA | — | — | — |
| PCB SPIKE SOLUTION | NA | — | — | — |
| SURROGATES: TCMX/DCB | 0.2 µg/mL | 0.5 mL | 8/94 | — |

PREP. CHEMIST K. Minczuk ANALYST K. Minczuk

DATE 9-26-94 DATE 10-04-94

# FORM 1C
## PCB/PESTICDE EXTRACTION

DATA SET(S) 2C samples DATE EXTRACTED 9-15-94

SAMPLE TYPE(S) Water DATE CONCENTRATED 9-16-94

EXTRACTION SYSTEM Cont. liq/liqu. DATE COMPLETED 9-21-94

SOLVENT SYSTEM $MeCl_2$ VOLUMES USED 500 mL

| SAMPLE NUMBER | SAMPLE AMOUNT | pH | CON. EXTRACT | DILUTION 1ST | DILUTION 2ND | DILUTION 3RD | FINAL VOLUME | INSTDS MRX/OTHER |
|---|---|---|---|---|---|---|---|---|
| MB9.15.94 | 1L | 5 | | | | | 5 mL | |
| LCS | 1L | 5 | | | | | 10 mL | |
| LCSDUP | 1L | 5 | | | | | 10 mL | |
| PEPR7-3 | 1L | 5 | | | | | 5 mL | |

| SAMPLE DESCRIPTION | CONCENTRATION OF SOLUTION | VOLUME OF SPIKE | PREPARATION DATE | COMMENTS |
|---|---|---|---|---|
| PESTICIDE SPIKE SOLN | — | 1 mL | 4/93 | |
| PCB SPIKE SOLUTION | — | — | — | — |
| SURROGATES: TCMX/DCB | 0.2 µg/mL | 0.5 mL | 8/94 | |

PREP. CHEMIST K. Muczuk / Steff Tobin ANALYST K Muczuk

DATE 9-21-94 / 9-21-94 DATE 9-30-94

Sequence File : C:\2700\DATA2\1AL.SEQ
Created by : KM on : 9/26/94 02:49 PM
Edited by : on : 9/29/94 04:13 PM
Number Of Times Edited : 44

**Sequence File Header Information:**

Study Name : ALCO STEEL SERVICE
Segment Interface : YES
Number of Cycles : 41

PRIMARY COLU" N

Sequence Sample Descriptions - Channel A

| Cycle | Sample Name | Sample Number | Site | Rack | Vial | Sample Amount | ISTD Amount | Inj. Volume | Dil. Factor | Mult | Divisor | Addend | Inst File | Output Device |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HEXANE #1 | 1 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 2 | END DEG #1 | 2 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 3 | DDT DEG #1 | 3 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 4 | PEST A L1 | 4 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 5 | PEST A L2 | 5 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 6 | PEST A L3 | 6 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 7 | PEST A L4 | 7 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 8 | PEST A L5 | 8 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 9 | PEST B L1 | 9 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 10 | PEST B L2 | 10 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 11 | PEST B L3 | 11 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 12 | PEST B L4 | 12 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 13 | PEST B L5 | 13 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 14 | 1242 L1 | 14 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 15 | 1242 L2 | 15 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 16 | 1242 L3 | 16 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 17 | 1242 L4 | 17 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 18 | 1242 L5 | 18 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 19 | END DEG #2 | 19 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 20 | DDT DEG #2 | 20 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 21 | HEXANE #2 | 21 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 22 | MB 92594 | 22 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 23 | 94ZB19R07 | 23 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 24 | 94ZB19S01 | 24 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 25 | 94ZB19S02 | 25 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 26 | 94ZB19S03 | 26 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 27 | 94ZB19S05 | 27 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 28 | 94ZB19S06 | 28 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 29 | 94ZB19S08 | 29 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 30 | PEST A L3 #1 | 30 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 31 | 1242 L3 #1 | 31 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 32 | HEXANE #3 | 32 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 33 | MB 091594 | 33 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 34 | PE PR713 | 34 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 35 | LCS | 35 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 10.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 36 | LCS DUP | 36 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 10.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 37 | PEST A L3 #2 | 37 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 38 | PEST B L3 #1 | 38 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 39 | 1242 L3 #2 | 39 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 40 | END DEG #3 | 40 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 41 | DDT DEG #3 | 41 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |

Sequence Process Description - Channel A

| Cycle | Process File | Sample File | Report Format | Raw File | Result File | Baseline File | Modified Raw File | Cal Mode | Level Name | Update RT | Norm. Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1AL | 1PESTA | 1AL | 1AL_001 | 1AL_001 | | | N | | Y | 100.000 |
| 2 | 1AL | 1ENDBD | 1ALD | 1AL_002 | 1AL_002 | | | N | | Y | 100.000 |
| 3 | 1AL | 1DDTBD | 1ALD | 1AL_003 | 1AL_003 | | | N | | Y | 100.000 |
| 4 | 1AL | 1PESTA | 1AL | 1AL_004 | 1AL_004 | | | N | | Y | 100.000 |
| 5 | 1AL | 1PESTA | 1AL | 1AL_005 | 1AL_005 | | | N | | Y | 100.000 |
| 6 | 1AL | 1PESTA | 1AL | 1AL_006 | 1AL_006 | | | N | | Y | 100.000 |
| 7 | 1AL | 1PESTA | 1AL | 1AL_007 | 1AL_007 | | | N | | Y | 100.000 |
| 8 | 1AL | 1PESTA | 1AL | 1AL_008 | 1AL_008 | | | N | | Y | 100.000 |
| 9 | 1AL | 1PESTB | 1AL | 1AL_009 | 1AL_009 | | | N | | Y | 100.000 |
| 10 | 1AL | 1PESTB | 1AL | 1AL_010 | 1AL_010 | | | N | | Y | 100.000 |
| 11 | 1AL | 1PESTB | 1AL | 1AL_011 | 1AL_011 | | | N | | Y | 100.000 |
| 12 | 1AL | 1PESTB | 1AL | 1AL_012 | 1AL_012 | | | N | | Y | 100.000 |
| 13 | 1AL | 1PESTB | 1AL | 1AL_013 | 1AL_013 | | | N | | Y | 100.000 |
| 14 | 1AL | 1MET42 | 1AL | 1AL_014 | 1AL_014 | | | N | | Y | 100.000 |
| 15 | 1AL | 1MET42 | 1AL | 1AL_015 | 1AL_015 | | | N | | Y | 100.000 |
| 16 | 1AL | 1MET42 | 1AL | 1AL_016 | 1AL_016 | | | N | | Y | 100.000 |
| 17 | 1AL | 1MET42 | 1AL | 1AL_017 | 1AL_017 | | | N | | Y | 100.000 |
| 18 | 1AL | 1MET42 | 1AL | 1AL_018 | 1AL_018 | | | N | | Y | 100.000 |
| 19 | 1AL | 1ENDBD | 1ALD | 1AL_019 | 1AL_019 | | | N | | Y | 100.000 |
| 20 | 1AL | 1DDTBD | 1ALD | 1AL_020 | 1AL_020 | | | N | | Y | 100.000 |
| 21 | 1AL | 1PESTA | 1AL | 1AL_021 | 1AL_021 | | | N | | Y | 100.000 |
| 22 | 1AL | 1PESTA | 1AL | 1AL_022 | 1AL_022 | | | N | | Y | 100.000 |
| 23 | 1AL | 1PESTA | 1AL | 1AL_023 | 1AL_023A | | | N | | Y | 100.000 |
| 24 | 1AL | 1PESTA | 1AL | 1AL_024 | 1AL_024 | | | N | | Y | 100.000 |
| 25 | 1AL | 1PESTA | 1AL | 1AL_025 | 1AL_025 | | | N | | Y | 100.000 |
| 26 | 1AL | 1PESTA | 1AL | 1AL_026 | 1AL_026 | | | N | | Y | 100.000 |
| 27 | 1AL | 1MET42 | 1AL | 1AL_027 | 1AL_027 | | | N | | Y | 100.000 |
| 28 | 1AL | 1PESTA | 1AL | 1AL_028 | 1AL_028 | | | N | | Y | 100.000 |
| 29 | 1AL | 1PESTA | 1AL | 1AL_029 | 1AL_029 | | | N | | Y | 100.000 |
| 30 | 1AL | 1PESTA | 1AL | 1AL_030 | 1AL_030 | | | N | | Y | 100.000 |
| 31 | 1AL | 1MET42 | 1AL | 1AL_031 | 1AL_031 | | | N | | Y | 100.000 |
| 32 | 1AL | 1PESTA | 1AL | 1AL_032 | 1AL_032 | | | N | | Y | 100.000 |
| 33 | 1AL | 1PESTA | 1AL | 1AL_033 | 1AL_033 | | | N | | Y | 100.000 |
| 34 | 1AL | 1PESTB | 1AL | 1AL_034 | 1AL_034 | | | N | | Y | 100.000 |
| 35 | 1AL | 1PESTA | 1AL | 1AL_035 | 1AL_035 | | | N | | Y | 100.000 |
| 36 | 1AL | 1PESTA | 1AL | 1AL_036 | 1AL_036 | | | N | | Y | 100.000 |
| 37 | 1AL | 1PESTA | 1AL | 1AL_037 | 1AL_037 | | | N | | Y | 100.000 |
| 38 | 1AL | 1PESTB | 1AL | 1AL_038 | 1AL_038 | | | N | | Y | 100.000 |
| 39 | 1AL | 1MET42 | 1AL | 1AL_039 | 1AL_039 | | | N | | Y | 100.000 |
| 40 | 1AL | 1ENDBD | 1ALD | 1AL_040 | 1AL_040 | | | N | | Y | 100.000 |
| 41 | 1AL | 1DDTBD | 1AL | 1AL_041 | 1AL_041 | | | N | | Y | 100.000 |

Sequence Sample Descriptions - Channel B

| Cycle | Sample Name | Sample Number | Site | Rack | Vial | Sample Amount | ISTD Amount | Inj. Volume | Dil. Factor | Mult | Divisor | Addend | Inst File | Output Device |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NO INJECTION | 1 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 2 | HEXANE #1 | 2 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 3 | END DEG #1 | 3 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 4 | DDT DEG #1 | 4 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 5 | PEST A L1 | 5 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 6 | PEST A L2 | 6 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 7 | PEST A L3 | 7 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 8 | PEST A L4 | 8 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 9 | PEST A L5 | 9 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 10 | PEST B L1 | 10 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 11 | PEST B L2 | 11 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 12 | PEST B L3 | 12 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 13 | PEST B L4 | 13 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 14 | PEST B L5 | 14 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 15 | AR 1242 L1 | 15 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 16 | AR 1242 L2 | 16 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 17 | AR 1242 L3 | 17 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 18 | AR 1242 L4 | 18 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 19 | AR 1242 L5 | 19 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 20 | END DEG #2 | 20 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 21 | DDT DEG #2 | 21 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 22 | HEXANE #2 | 22 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 23 | MB 92594 | 23 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 24 | 94ZB19R07 | 24 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 25 | 94ZB19S01 | 25 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 26 | 94ZB19S02 | 26 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 27 | 94ZB19S03 | 27 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 28 | 94ZB19S05 | 28 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 29 | 94ZB19S06 | 29 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 30 | 94ZB19S08 | 30 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 31 | PEST A L3 #1 | 31 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 32 | 1242 L3 #1 | 32 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 33 | HEXANE #3 | 33 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 34 | MB 091594 | 34 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 35 | PE PR713 | 35 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 36 | LCS | 36 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 10.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 37 | LCS DUP | 37 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 10.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 38 | PEST A L3 #2 | 38 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 39 | PEST B L3 #1 | 39 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 40 | 1242 L3 #2 | 40 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 41 | END DEG #3 | 41 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |
| 42 | DDT DEG #3 | 42 | B | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | 1AL | LPT1: |

SECONDARY COLUMN

Sequence Process Description - Channel B

| Cycle | Process File | Sample File | Report Format | Raw File | Result File | Baseline File | Modified Raw File | Cal Mode | Level Name | Update RT | Norm. Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2AL | 2PESTA | 2AL | 2AL_001 | 2AL_001 | | | N | | Y | 100.000 |
| 2 | 2AL | 2PESTA | 2AL | 2AL_002 | 2AL_002 | | | N | | Y | 100.000 |
| 3 | 2AL | 2ENDBD | 2ALD | 2AL_003 | 2AL_003 | | | N | | Y | 100.000 |
| 4 | 2AL | 2DDTBD | 2ALD | 2AL_004 | 2AL_004 | | | N | | Y | 100.000 |
| 5 | 2AL | 2PESTA | 2AL | 2AL_005 | 2AL_005 | | | N | | Y | 100.000 |
| 6 | 2AL | 2PESTA | 2AL | 2AL_006 | 2AL_006 | | | N | | Y | 100.000 |
| 7 | 2AL | 2PESTA | 2AL | 2AL_007 | 2AL_007 | | | N | | Y | 100.000 |
| 8 | 2AL | 2PESTA | 2AL | 2AL_008 | 2AL_008 | | | N | | Y | 100.000 |
| 9 | 2AL | 2PESTA | 2AL | 2AL_009 | 2AL_009 | | | N | | Y | 100.000 |
| 10 | 2AL | 2PESTB | 2AL | 2AL_010 | 2AL_010 | | | N | | Y | 100.000 |
| 11 | 2AL | 2PESTB | 2AL | 2AL_011 | 2AL_011 | | | N | | Y | 100.000 |
| 12 | 2AL | 2PESTB | 2AL | 2AL_012 | 2AL_012 | | | N | | Y | 100.000 |
| 13 | 2AL | 2PESTB | 2AL | 2AL_013 | 2AL_013 | | | N | | Y | 100.000 |
| 14 | 2AL | 2PESTB | 2AL | 2AL_014 | 2AL_014 | | | N | | Y | 100.000 |
| 15 | 2AL | 2MET42 | 2AL | 2AL_015 | 2AL_015 | | | N | | Y | 100.000 |
| 16 | 2AL | 2MET42 | 2AL | 2AL_016 | 2AL_016 | | | N | | Y | 100.000 |
| 17 | 2AL | 2MET42 | 2AL | 2AL_017 | 2AL_017 | | | N | | Y | 100.000 |
| 18 | 2AL | 2MET42 | 2AL | 2AL_018 | 2AL_018 | | | N | | Y | 100.000 |
| 19 | 2AL | 2MET42 | 2AL | 2AL_019 | 2AL_019 | | | N | | Y | 100.000 |
| 20 | 2AL | 2ENDBD | 2ALD | 2AL_020 | 2AL_020 | | | N | | Y | 100.000 |
| 21 | 2AL | 2DDTBD | 2ALD | 2AL_021 | 2AL_021 | | | N | | Y | 100.000 |
| 22 | 2AL | 2PESTA | 2AL | 2AL_022 | 2AL_022 | | | N | | Y | 100.000 |
| 23 | 2AL | 2PESTA | 2AL | 2AL_023 | 2AL_023 | | | N | | Y | 100.000 |
| 24 | 2AL | 2PESTA | 2AL | 2AL_024 | 2AL_024 | | | N | | Y | 100.000 |
| 25 | 2AL | 2PESTA | 2AL | 2AL_025 | 2AL_025 | | | N | | Y | 100.000 |
| 26 | 2AL | 2PESTA | 2AL | 2AL_026 | 2AL_026 | | | N | | Y | 100.000 |
| 27 | 2AL | 2PESTA | 2AL | 2AL_027 | 2AL_027 | | | N | | Y | 100.000 |
| 28 | 2AL | 2PESTA | 2AL | 2AL_028 | 2AL_028 | | | N | | Y | 100.000 |
| 29 | 2AL | 2PESTA | 2AL | 2AL_029 | 2AL_029 | | | N | | Y | 100.000 |
| 30 | 2AL | 2PESTA | 2AL | 2AL_030 | 2AL_030 | | | N | | Y | 100.000 |
| 31 | 2AL | 2PESTA | 2AL | 2AL_031 | 2AL_031 | | | N | | Y | 100.000 |
| 32 | 2AL | 2MET42 | 2AL | 2AL_032 | 2AL_032 | | | N | | Y | 100.000 |
| 33 | 2AL | 2PESTA | 2AL | 2AL_033 | 2AL_033 | | | N | | Y | 100.000 |
| 34 | 2AL | 2PESTA | 2AL | 2AL_034 | 2AL_034 | | | N | | Y | 100.000 |
| 35 | 2AL | 2PESTA | 2AL | 2AL_035 | 2AL_035 | | | N | | Y | 100.000 |
| 36 | 2AL | 2PESTA | 2AL | 2AL_036 | 2AL_036 | | | N | | Y | 100.000 |
| 37 | 2AL | 2PESTA | 2AL | 2AL_037 | 2AL_037 | | | N | | Y | 100.000 |
| 38 | 2AL | 2PESTA | 2AL | 2AL_038 | 2AL_038 | | | N | | Y | 100.000 |
| 39 | 2AL | 2PESTB | 2AL | 2AL_039 | 2AL_039 | | | N | | Y | 100.000 |
| 40 | 2AL | 2MET42 | 2AL | 2AL_040 | 2AL_040 | | | N | | Y | 100.000 |
| 41 | 2AL | 2ENDBD | 2ALD | 2AL_041 | 2AL_041 | | | N | | Y | 100.000 |
| 42 | 2AL | 2DDTBD | 2ALD | 2AL_042 | 2AL_042 | | | N | | Y | 100.000 |

Sequence File : C:\2700\DATA2\WP.SEQ
Created by : AK on : 9/30/94 02:43 PM
Edited by : on : 10/4/94 11:23 AM
Number Of Times Edited : 21

**Sequence File Header Information:**

Study Name : ALCO STEEL SERVICE
Segment Interface : YES
Number of Cycles : 28

PRIMARY COLUMN

Sequence Sample Descriptions

| Cycle | Sample Name | Sample Number | Site | Rack | Vial | Sample Amount | ISTD Amount | Inj. Volume | Dil. Factor | Mult | Divisor | Addend | Inst File | Output Device |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SOLVENT BLANK | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 2 | STD 1242 LEVEL 1 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 3 | STD 1242 LEVEL 2 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 4 | STD 1242 LEVEL 3 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 5 | STD 1242 LEVEL 4 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 6 | STD 1242 LEVEL 5 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 7 | STD 1248 LEVEL 1 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 8 | STD 1248 LEVEL 2 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 9 | STD 1248 LEVEL 3 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 10 | STD 1248 LEVEL 4 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 11 | STD 1248 LEVEL 5 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 12 | STD 1232 LEVEL 1 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 13 | STD 1232 LEVEL 2 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 14 | STD 1232 LEVEL 3 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 15 | STD 1232 LEVEL 4 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 16 | STD 1232 LEVEL 5 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 17 | STD 1254 LEVEL 1 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 18 | STD 1254 LEVEL 2 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 19 | STD 1254 LEVEL 3 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 20 | STD 1254 LEVEL 4 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 21 | STD 1254 LEVEL 5 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 22 | STD 1260 LEVEL1 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 23 | STD 1260 LEVEL 2 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 24 | STD 1260 LEVEL 3 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 25 | STD 1260 LEVEL 4 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 26 | STD 1260 LEVEL 5 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 27 | STD 1016 LEVEL 3 | | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |
| 28 | 94ZB19S05 | 28 | A | 0 | 0 | 1.000 | 1.000 | 1.000 | 5.000 | 1.000 | 1.000 | 0.000 | ZERO | LPT1: |

Sequence Process Description - Channel A

| Cycle | Process File | Sample File | Report Format | Raw File | Result File | Baseline File | Modified Raw File | Cal Mode | Level Name | Update RT | Norm. Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ZERO | MET42 | ZERO | 1WP_001 | 1WP_001 | DATA2 | | N | | Y | 100.000 |
| 2 | ZERO | MET42 | ZERO | 1WP_002 | 1WP_002 | DATA2 | | N | | Y | 100.000 |
| 3 | ZERO | MET42 | ZERO | 1WP_003 | 1WP_003 | DATA2 | | N | | Y | 100.000 |
| 4 | ZERO | MET42 | ZERO | 1WP_004 | 1WP_004 | DATA2 | | N | | Y | 100.000 |
| 5 | ZERO | MET42 | ZERO | 1WP_005 | 1WP_005 | DATA2 | | N | | Y | 100.000 |
| 6 | ZERO | MET42 | ZERO | 1WP_006 | 1WP_006 | DATA2 | | N | | Y | 100.000 |
| 7 | ZERO | MET48 | ZERO | 1WP_007 | 1WP_007 | DATA2 | | N | | Y | 100.000 |
| 8 | ZERO | MET48 | ZERO | 1WP_008 | 1WP_008 | DATA2 | | N | | Y | 100.000 |
| 9 | ZERO | MET48 | ZERO | 1WP_009 | 1WP_009 | DATA2 | | N | | Y | 100.000 |
| 10 | ZERO | MET48 | ZERO | 1WP_010 | 1WP_010 | DATA2 | | N | | Y | 100.000 |
| 11 | ZERO | MET48 | ZERO | 1WP_011 | 1WP_011 | DATA2 | | N | | Y | 100.000 |
| 12 | ZERO | MET32 | ZERO | 1WP_012 | 1WP_012 | DATA2 | | N | | Y | 100.000 |
| 13 | ZERO | MET32 | ZERO | 1WP_013 | 1WP_013 | DATA2 | | N | | Y | 100.000 |
| 14 | ZERO | MET32 | ZERO | 1WP_014 | 1WP_014 | DATA2 | | N | | Y | 100.000 |
| 15 | ZERO | MET32 | ZERO | 1WP_015 | 1WP_015 | DATA2 | | N | | Y | 100.000 |
| 16 | ZERO | MET32 | ZERO | 1WP_016 | 1WP_016 | DATA2 | | N | | Y | 100.000 |
| 17 | ZERO | MET54 | ZERO | 1WP_017 | 1WP_017 | DATA2 | | N | | Y | 100.000 |
| 18 | ZERO | MET54 | ZERO | 1WP_018 | 1WP_018 | DATA2 | | N | | Y | 100.000 |
| 19 | ZERO | MET54 | ZERO | 1WP_019 | 1WP_019 | DATA2 | | N | | Y | 100.000 |
| 20 | ZERO | MET54 | ZERO | 1WP_020 | 1WP_020 | DATA2 | | N | | Y | 100.000 |
| 21 | ZERO | MET54 | ZERO | 1WP_021 | 1WP_021 | DATA2 | | N | | Y | 100.000 |
| 22 | ZERO | MET60 | ZERO | 1WP_022 | 1WP_022 | DATA2 | | N | | Y | 100.000 |
| 23 | ZERO | MET60 | ZERO | 1WP_023 | 1WP_023 | DATA2 | | N | | Y | 100.000 |
| 24 | ZERO | MET60 | ZERO | 1WP_024 | 1WP_024 | DATA2 | | N | | Y | 100.000 |
| 25 | ZERO | MET60 | ZERO | 1WP_025 | 1WP_025 | DATA2 | | N | | Y | 100.000 |
| 26 | ZERO | MET60 | ZERO | 1WP_026 | 1WP_026 | DATA2 | | N | | Y | 100.000 |
| 27 | ZERO | MET16 | ZERO | 1WP_027 | 1WP_027 | DATA2 | | N | | Y | 100.000 |
| 28 | ZERO | MET42 | ZERO | 1WP_028 | 1WP_028 | DATA2 | | N | | Y | 100.000 |

Sequence Process Description - Channel B

| Cycle | Process File | Sample File | Report Format | Raw File | Result File | Baseline File | Modified Raw File | Cal Mode | Level Name | Update RT | Norm. Factor |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ZERO | 2MET42 | CZERO | 2WP_002 | 2WP_002 | DATA2 | | N | | Y | 100.000 |
| 2 | ZERO | 2MET42 | CZERO | 2WP_003 | 2WP_003 | DATA2 | | N | | Y | 100.000 |
| 3 | ZERO | 2MET42 | CZERO | 2WP_004 | 2WP_004 | DATA2 | | N | | Y | 100.000 |
| 4 | ZERO | 2MET42 | CZERO | 2WP_005 | 2WP_005 | DATA2 | | N | | Y | 100.000 |
| 5 | ZERO | 2MET42 | CZERO | 2WP_006 | 2WP_006 | DATA2 | | N | | Y | 100.000 |
| 6 | ZERO | 2MET42 | CZERO | 2WP_007 | 2WP_007 | DATA2 | | N | | Y | 100.000 |
| 7 | ZERO | 2MET48 | CZERO | 2WP_008 | 2WP_008 | DATA2 | | N | | Y | 100.000 |
| 8 | ZERO | 2MET48 | CZERO | 2WP_009 | 2WP_009 | DATA2 | | N | | Y | 100.000 |
| 9 | ZERO | 2MET48 | CZERO | 2WP_010 | 2WP_010 | DATA2 | | N | | Y | 100.000 |
| 10 | ZERO | 2MET48 | CZERO | 2WP_011 | 2WP_011 | DATA2 | | N | | Y | 100.000 |
| 11 | ZERO | 2MET48 | CZERO | 2WP_012 | 2WP_012 | DATA2 | | N | | Y | 100.000 |
| 12 | ZERO | 2MET32 | CZERO | 2WP_013 | 2WP_013 | DATA2 | | N | | Y | 100.000 |
| 13 | ZERO | 2MET32 | CZERO | 2WP_014 | 2WP_014 | DATA2 | | N | | Y | 100.000 |
| 14 | ZERO | 2MET32 | CZERO | 2WP_015 | 2WP_015 | DATA2 | | N | | Y | 100.000 |
| 15 | ZERO | 2MET32 | CZERO | 2WP_016 | 2WP_016 | DATA2 | | N | | Y | 100.000 |
| 16 | ZERO | 2MET32 | CZERO | 2WP_017 | 2WP_017 | DATA2 | | N | | Y | 100.000 |
| 17 | ZERO | 2MET54 | CZERO | 2WP_018 | 2WP_018 | DATA2 | | N | | Y | 100.000 |
| 18 | ZERO | 2MET54 | CZERO | 2WP_019 | 2WP_019 | DATA2 | | N | | Y | 100.000 |
| 19 | ZERO | 2MET54 | CZERO | 2WP_020 | 2WP_020 | DATA2 | | N | | Y | 100.000 |
| 20 | ZERO | 2MET54 | CZERO | 2WP_021 | 2WP_021 | DATA2 | | N | | Y | 100.000 |
| 21 | ZERO | 2MET54 | CZERO | 2WP_022 | 2WP_022 | DATA2 | | N | | Y | 100.000 |
| 22 | ZERO | 2MET60 | CZERO | 2WP_023 | 2WP_023 | DATA2 | | N | | Y | 100.000 |
| 23 | ZERO | 2MET60 | CZERO | 2WP_024 | 2WP_024 | DATA2 | | N | | Y | 100.000 |
| 24 | ZERO | 2MET60 | CZERO | 2WP_025 | 2WP_025 | DATA2 | | N | | Y | 100.000 |
| 25 | ZERO | 2MET60 | CZERO | 2WP_026 | 2WP_026 | DATA2 | | N | | Y | 100.000 |
| 26 | ZERO | 2MET60 | CZERO | 2WP_027 | 2WP_027 | DATA2 | | N | | Y | 100.000 |
| 27 | ZERO | 2MET16 | CZERO | 2WP_028 | 2WP_028 | DATA2 | | N | | Y | 100.000 |
| 28 | ZERO | 2MET42 | CZERO | 2WP_029 | 2WP_029 | DATA2 | | N | | Y | 100.000 |

SECONDARY COLUMN

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

ENDRIN AND DDT DEGRADATION

DATA SET: 940152 SITE NAME: ALCO STEEL SERVICE

DATE: 09-29-1994 COLUMN TYPE: CAPILLARY DB-608 GC # 1

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

| CALIBRATION | DATE ANALYZED | FILE NAME | AREA OF END ALD | AREA OF END KET | AREA OF ENDRIN | % DEG |
|---|---|---|---|---|---|---|
| INITIAL | 09-26-94 | 1AL002 | 34506 | 0 | 637104 | 5.1 |
| CONTINUING | 09-27-94 | 1AL019 | 85489 | 0 | 744142 | 10.3 |
| CONTINUING | 09-27-94 | 1AL040 | 56622 | 0 | 748480 | 7.0 |

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

| CALIBRATION | DATE ANALYZED | FILE NAME | AREA OF DDE | AREA OF DDD | AREA OF DDT | % DEG |
|---|---|---|---|---|---|---|
| INITIAL | 09-26-94 | 1AL003 | 46323 | 83549 | 950953 | 12.0 |
| CONTINUING | 09-27-94 | 1AL020 | 37502 | 76466 | 1125981 | 9.2 |
| CONTINUING | 09-27-94 | 1AL041 | 34662 | 75396 | 1174230 | 8.6 |

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

ENDRIN AND DDT DEGRADATION

DATA SET: SF 940152 SITE NAME: ALCO STEEL SERVICE

DATE: 09-29-1994 COLUMN TYPE: CAPILLARY DB-5 GC # 1

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

| CALIBRATION | DATE ANALYZED | FILE NAME | AREA OF END ALD | AREA OF END KET | AREA OF ENDRIN | % DEG |
|---|---|---|---|---|---|---|
| INITIAL | 09-26-94 | 2AL003 | 20680 | 0 | 890153 | 2.3 |
| CONTINUING | 09-27-94 | 2AL020 | 27936 | 0 | 979340 | 2.8 |
| CONTINUING | 09-27-94 | 2AL041 | 23055 | 0 | 988389 | 2.3 |

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

| CALIBRATION | DATE ANALYZED | FILE NAME | AREA OF DDE | AREA OF DDD | AREA OF DDT | % DEG |
|---|---|---|---|---|---|---|
| INITIAL | 09-26-94 | 2AL004 | 76365 | 85288 | 1884617 | 7.9 |
| CONTINUING | 09-27-94 | 2AL021 | 64453 | 71063 | 1913245 | 6.6 |
| CONTINUING | 09-27-94 | 2QB030 | 51981 | 68229 | 1843048 | 6.1 |

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

**********

INITIAL AND CONTINUING CALIBRATION FORM

DATA SET : SF 940152 DATE: 09-29-1994

GC#/COLUMN TYPE: 1 / MEGABORE CAPILLARY DB-608

STANDARD NAME: PESTICIDE MIX A (LEVEL 3)

| COMPOUND | FILENAME 1AL006 INITIAL AREA | FILENAME 1AL030 CONTINUING AREA-1 | RPD | FILENAME 1AL037 CONTINUING AREA-2 | RPD |
|---|---|---|---|---|---|
| a-BHC | 321661 | 316366 | 1.7 | 323926 | 0.7 |
| LINDANE | 304544 | 298948 | 1.9 | 307529 | 1.0 |
| HEPTACHLOR | 289188 | 295476 | 2.2 | 300866 | 4.0 |
| ENDO I | 275076 | 267846 | 2.7 | 288443 | 4.7 |
| DIELDRIN | 514497 | 520594 | 1.2 | 530309 | 3.0 |
| ENDRIN | 444695 | 454590 | 2.2 | 480964 | 7.8 |
| p,p'-DDD | 368206 | 393123 | 6.5 | 416376 | 12.3 |
| p,p'-DDT | 372446 | 394577 | 5.8 | 430447 | 14.4 |
| METHOXYCHLOR | 840967 | 959615 | 13.2 | 952419 | 12.4 |

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

**********

INITIAL AND CONTINUING CALIBRATION FORM

DATA SET : SF 940152 DATE: 09-29-1994

GC#/COLUMN TYPE: 1 / MEGABORE CAPILLARY DB-5

STANDARD NAME: PESTICIDE MIX A (LEVEL 3)

| COMPOUND | FILENAME 2AL007 INITIAL AREA | FILENAME 2AL031 CONTINUING AREA-1 | RPD | FILENAME 2AL038 CONTINUING AREA-2 | RPD |
|---|---|---|---|---|---|
| a-BHC | 240168 | 244929 | 2.0 | 251865 | 4.8 |
| LINDANE | 235378 | 239203 | 1.6 | 247081 | 4.9 |
| HEPTACHLOR | 196327 | 211042 | 7.2 | 214566 | 8.9 |
| ENDO I | 178606 | 196120 | 9.3 | 181799 | 1.8 |
| DIELDRIN | 597064 | 624207 | 4.4 | 673668 | 12.1 |
| ENDRIN | 544434 | 567688 | 4.2 | 578374 | 6.0 |
| p,p'-DDD | 382770 | 416435 | 8.4 | 379679 | 0.8 |
| p,p'-DDT | 592556 | 584517 | 1.4 | 647626 | 8.9 |
| METHOXYCHLOR | 1131983 | 1085546 | 4.2 | 1127267 | 0.4 |

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

**********

INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 940152 DATE: 09-29-1994

GC#/COLUMN TYPE: 1 / MEGABORE CAPILLARY DB-608

STANDARD NAME: PESTICIDE MIX B (LEVEL 2)

| COMPOUND | FILENAME 1AL011 INITIAL AREA | FILENAME 1AL038 CONTINUING AREA-1 | RPD |
|---|---|---|---|
| TCMX | 307542 | 299227 | 2.7 |
| b-BHC | 153102 | 150905 | 1.4 |
| d-BHC | 188506 | 194063 | 2.9 |
| ALDRIN | 250791 | 260637 | 3.9 |
| HEPT.EPOXIDE | 237879 | 225887 | 5.2 |
| g-CHLORDANE | 259704 | 219946 | 16.6 |
| a-CHLORDANE | 261118 | 254038 | 2.7 |
| p,p'-DDE | 387101 | 426472 | 9.7 |
| ENDO II | 366995 | 368419 | 0.4 |
| ENDRIN ALD | 290134 | 303291 | 4.4 |
| END SULFATE | 337963 | 341236 | 1.0 |
| DCLB | 293548 | 319662 | 8.5 |

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

**********

INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 940152 DATE: 09-29-1994

GC#/COLUMN TYPE: 1 / MEGABORE CAPILLARY DB-5

STANDARD NAME: PESTICIDE MIX B (LEVEL 2)

| COMPOUND | FILENAME 2AL012 INITIAL AREA | FILENAME 2AL039 CONTINUING AREA-1 | RPD |
|---|---|---|---|
| TCMX | 461936 | 465983 | 0.9 |
| b-BHC | 152984 | 150611 | 1.6 |
| d-BHC | 155348 | 168180 | 7.9 |
| ALDRIN | 290145 | 299475 | 3.2 |
| HEPT.EPOXIDE | 165380 | 181316 | 9.2 |
| g-CHLORDANE | 245884 | 265430 | 7.6 |
| a-CHLORDANE | 268602 | 278112 | 3.5 |
| p,p'-DDE | 671228 | 702398 | 4.5 |
| ENDO II | 214233 | 229809 | 7.0 |
| ENDRIN ALD | 166816 | 190664 | 13.3 |
| END SULFATE | 385647 | 434421 | 11.9 |
| ENDRIN KETONE | 191025 | 211344 | 10.1 |
| DCLB | 296294 | 320140 | 7.7 |

PRIMARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

**********

INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 940152 DATE: 09-29-1994

GC#/COLUMN TYPE: 1 / MEGABORE CAPILLARY DB-608

STANDARD NAME: AROCLOR 1242 (LEVEL 3)

| COMPOUND | FILENAME 1AL016 INITIAL AREA | FILENAME 1AL031 CONTINUING AREA-1 | RPD | FILENAME 1AL039 CONTINUING AREA-2 | RPD |
|---|---|---|---|---|---|
| 1242-A | 423670 | 419873 | 0.9 | 429101 | 1.3 |
| 1242-B | 218832 | 222085 | 1.5 | 214179 | 2.1 |
| 1242-C | 184370 | 185822 | 0.8 | 203960 | 10.1 |
| 1242-D | 682058 | 701024 | 2.7 | 718502 | 5.2 |
| 1242-E | 209579 | 228609 | 8.7 | 244211 | 15.3 |

SECONDARY COLUMN

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

**********

INITIAL AND CONTINUING CALIBRATION FORM

DATA SET: SF 940152 DATE: 09-29-1994

GC#/COLUMN TYPE: 1 / MEGABORE CAPILLARY DB-5

STANDARD NAME: AROCLOR 1242 (LEVEL 3)

| COMPOUND | FILENAME 2AL017 | FILENAME 2AL032 | | FILENAME 2AL040 | |
|---|---|---|---|---|---|
| | INITIAL AREA | CONTINUING AREA-1 | RPD | CONTINUING AREA-2 | RPD |
| 1242-A | 64344 | 63442 | 1.4 | 62629 | 2.7 |
| 1242-B | 693318 | 673287 | 2.9 | 697188 | 0.6 |
| 1242-C | 425678 | 426043 | 0.1 | 428587 | 0.7 |
| 1242-D | 1116650 | 1126262 | 0.9 | 1118551 | 0.2 |
| 1242-E | 511732 | 504447 | 1.4 | 480973 | 6.2 |

EPA SAMPLE NUMBER: PR713

Lab Name: Contract:
Lab Code: Case No: SAS No: SDG No:
Lab Sample ID: Date Received: / /
Lab File ID: Date Analyzed: 09/27/94

TCL HITS

| | | |
|---|---|---|
| GAMMA-BHC (LINDANE) | In Window | 0.046 |
| ALDRIN | In Window | 0.031 |
| 4,4'-DDE | In Window | 0.074 |
| ENDRIN | In Window | 0.045 |
| ENDOSULFAN II | In Window | 0.061 |
| 4,4'-DDD | In Window | 0.027 |
| ENDOSULFAN SULFATE | In Window | 0.039 |
| 4,4'-DDT | In Window | 0.041 |
| METHOXYCHLOR | In Window | 0.124 |

TCL MISSES

TCL CONTAMINANTS

TIC HITS

TIC MISSES

TIC CONTAMINANTS

PRIMARY COLUMN

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

DATE SET: SF 940152 DATE: 09-29-1994
SAMPLE: L C S

| COMPOUND | SAMPLE RESULT | SPIKE ADDED | SPIKE RESULT | SPIKE DUP RESULT | % RPD | SPIKE %REC. | SPIKE DUP %REC |
|---|---|---|---|---|---|---|---|
| LINDANE | 0.000 | 0.150 | 0.139 | 0.145 | 4.2 | 93 | 97 |
| HEPTACHLOR | 0.000 | 0.150 | 0.128 | 0.124 | 2.6 | 85 | 83 |
| ALDRIN | 0.000 | 0.150 | 0.148 | 0.141 | 4.4 | 98 | 94 |
| g-CHLORDANE | 0.000 | 0.200 | 0.243 | 0.234 | 3.8 | 121 | 117 |
| ENDOSULFAN I | 0.000 | 0.200 | 0.213 | 0.214 | 0.1 | 107 | 107 |
| p,p'-DDD | 0.000 | 0.200 | 0.248 | 0.230 | 7.4 | 124 | 115 |
| DIELDRIN | 0.000 | 0.200 | 0.223 | 0.217 | 2.9 | 112 | 109 |
| ENDRIN | 0.000 | 0.200 | 0.209 | 0.208 | 0.5 | 105 | 104 |
| p,p'-DDT | 0.000 | 0.350 | 0.390 | 0.377 | 3.6 | 112 | 108 |
| ENDRIN ALDEHYDE | 0.000 | 0.350 | * 1.306 | 0.432 | 100.6 | 373 | 123 |
| ENDOSULFAN SULFATE | 0.00 | 0.350 | 0.440 | 0.415 | 5.7 | 126 | 119 |
| METHOXYCHLOR | 0.000 | 0.375 | 0.494 | 0.487 | 1.4 | 132 | 130 |

* Endrin Aldehyde co-eluted with unknown contaminant

SECONDARY COLUMN

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

DATE SET: SF 940152 DATE: 09-29-1994
SAMPLE: L C S

| COMPOUND | SAMPLE RESULT | SPIKE ADDED | SPIKE RESULT | SPIKE DUP RESULT | % RPD | SPIKE %REC. | SPIKE DUP %REC |
|---|---|---|---|---|---|---|---|
| LINDANE | 0.000 | 0.150 | 0.139 | 0.144 | 3.3 | 93 | 96 |
| HEPTACHLOR | 0.000 | 0.150 | 0.125 | 0.120 | 4.2 | 84 | 80 |
| ALDRIN | 0.000 | 0.150 | 0.157 | 0.152 | 3.4 | 105 | 101 |
| g-CHLORDANE | 0.000 | 0.200 | 0.260 | 0.253 | 2.7 | 130 | 126 |
| ENDOSULFAN I | 0.000 | 0.200 | 0.215 | 0.215 | 0.2 | 107 | 108 |
| p,p'-DDD | 0.000 | 0.200 | 0.231 | 0.221 | 4.6 | 116 | 110 |
| DIELDRIN | 0.000 | 0.200 | 0.231 | 0.228 | 1.4 | 116 | 114 |
| ENDRIN | 0.000 | 0.200 | 0.210 | 0.208 | 1.4 | 105 | 104 |
| p,p'-DDT | 0.000 | 0.350 | 0.614 | 0.595 | 3.2 | * 175 | * 170 |
| ENDRIN ALDEHYDE | 0.000 | 0.350 | 0.346 | 0.380 | 9.6 | 99 | 109 |
| ENDOSULFAN SULFATE | 0.00 | 0.350 | 0.930 | 0.901 | 3.2 | * 266 | * 257 |
| METHOXYCHLOR | 0.000 | 0.375 | 0.384 | 0.360 | 6.6 | 102 | 96 |

* High recoveries of p,p-DDT and Endosulfan Sulfate due to co-elution of these pesticide on the secondary column.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

TCMX SURROGATE RECOVERY

DATA SET : SF 940152 DATE: 09-29-1994

| SAMPLE NAME | AMOUNT ADDED | PRIMARY COLUMN AMOUNT FOUND | PRIMARY COLUMN PERCENT RECOVERY | SECONDARY COLUMN AMOUNT FOUND | SECONDARY COLUMN PERCENT RECOVERY |
|---|---|---|---|---|---|
| SF 940152 MB 091594 | 0.100 | 0.068 | 68.2 | 0.072 | 71.8 |
| SF 940152 MB 092594 | 0.100 | 0.037 | 36.7 | 0.039 | 38.5 |
| SF 940152 94ZB19R07 | 0.100 | 0.045 | 45.1 | 0.044 | 43.8 |
| SF 940152 94ZB19S01 | 0.100 | 0.040 | 40.0 | 0.043 | 42.5 |
| SF 940152 94ZB19S02 | 0.100 | 0.062 | 62.1 | 0.065 | 65.4 |
| SF 940152 94ZB19S03 | 0.100 | 0.023 | 23.2 | 0.018 | 18.1 |
| SF 940152 94ZB19S05 | 0.100 | 0.038 | 37.8 | 0.041 | 41.2 |
| SF 940152 94ZB19S06 | 0.100 | 0.044 | 43.6 | 0.049 | 48.6 |
| SF 940152 94ZB19S08 | 0.100 | 0.070 | 69.7 | 0.070 | 70.2 |
| SF 940152 L C S | 0.100 | 0.092 | 91.6 | 0.091 | 90.9 |
| SF 940152 L C S DUP | 0.100 | 0.105 | 104.7 | 0.104 | 104.0 |
| SF 940152 PE PR713 | 0.100 | 0.092 | 91.5 | 0.096 | 96.2 |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

DCB SURROGATE RECOVERY

DATA SET : SF 940152 DATE: 08-29-1994

| SAMPLE NAME | AMOUNT ADDED | PRIMARY COLUMN AMOUNT FOUND | PRIMARY COLUMN PERCENT RECOVERY | SECONDARY COLUMN AMOUNT FOUND | SECONDARY COLUMN PERCENT RECOVERY |
|---|---|---|---|---|---|
| SF 940152 MB 091594 | 0.100 | 0.024 | 23.8 | 0.022 | 21.8 |
| SF 940152 MB 92594 | 0.100 | 0.052 | 52.0 | 0.053 | 52.5 |
| SF 940152 94ZB19R07 | 0.100 | 0.073 | 73.3 | 0.078 | 78.4 |
| SF 940152 94ZB19S01 | 0.100 | 0.052 | 51.6 | 0.052 | 52.3 |
| SF 940152 94ZB19S02 | 0.100 | 0.068 | 67.6 | 0.070 | 70.1 |
| SF 940152 940006S03 | 0.100 | 0.078 | 77.5 | 0.081 | 81.1 |
| SF 940152 94ZB19S05 | 0.100 | 0.077 | 76.8 | 0.083 | 83.4 |
| SF 940152 94ZB19S06 | 0.100 | 0.107 | 106.7 | 0.119 | 118.9 |
| SF 940152 94ZB19S08 | 0.100 | 0.074 | 73.6 | 0.081 | 80.5 |
| SF 940152 L C S | 0.100 | 0.039 | 39.3 | 0.040 | 39.5 |
| SF 940152 L C S DUP | 0.100 | 0.034 | 34.3 | 0.033 | 33.2 |
| SF 940152 PE PR713 | 0.100 | 0.038 | 38.2 | 0.023 | 23.4 |

# PART II

## Endrin & DDT Degradation Report & Chromatograms

A. Primary
B. Secondary

Software Version: 3.1 <2A23>
Sample Name : END DEG #1 Time : 9/27/94 02:03 PM
Sample Number: 2 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 04:08 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_002.raw
Result File : C:\2700\DATA2\1AL_002A.rst PRIMARY COLUMN
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1ENDBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 2 | 14.11 | ENDRIN | 637104 | 88564 | MIREX | 1.2742e6 |
| 3 | 15.55 | END ALD | 34506 | 5023 | MIREX | 6.9012e4 |
| 4 | 18.71 | MIREX | 1200094 | 93930 | MIREX | 2.4001e6 |
| | | | 1871704 | 187517 | | 3.7434e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| END KETONE | 17.600 |

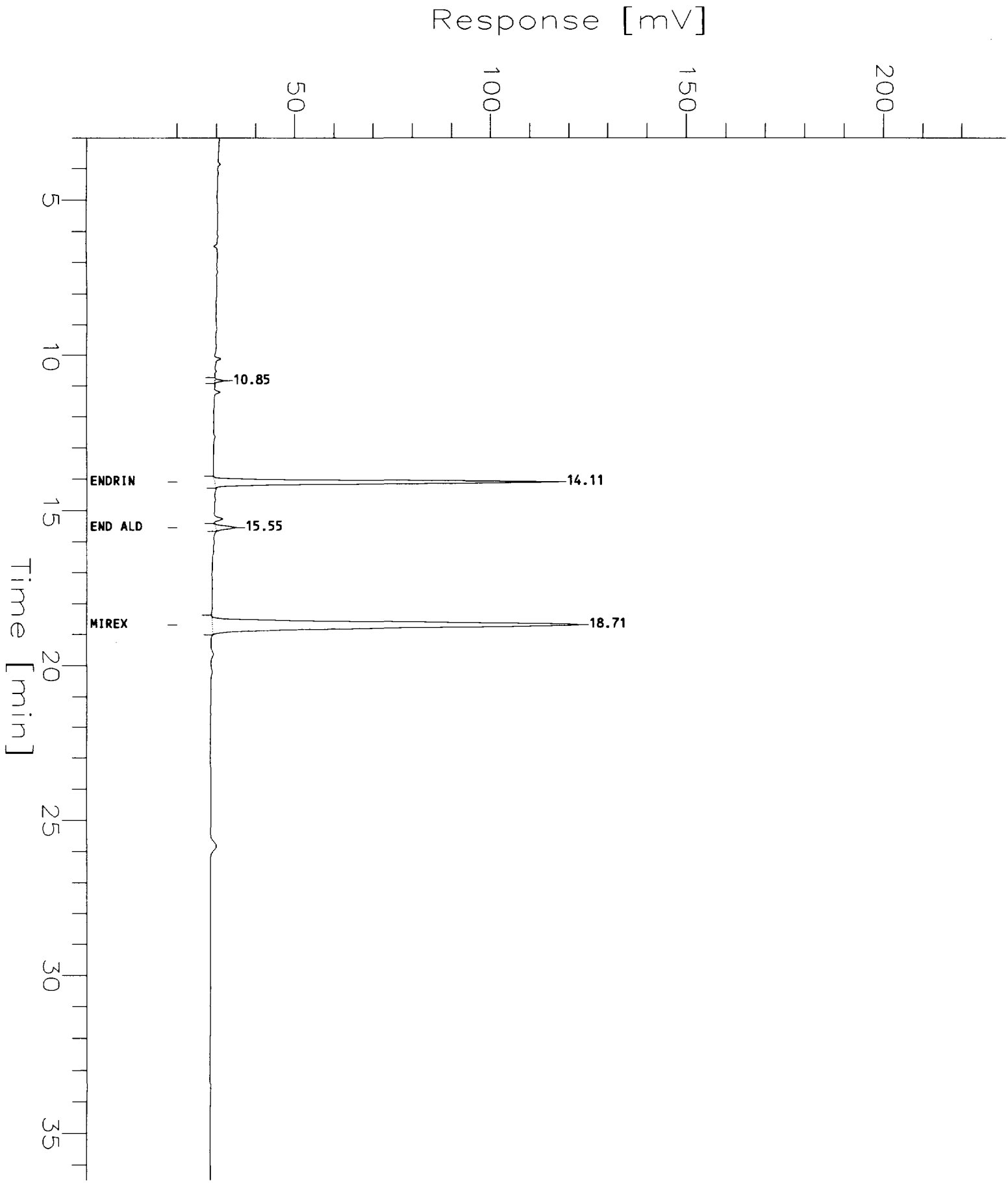
# Chromatogram

Sample Name : END DEG #1
FileName : C:\2700\DATA2\1AL_002.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 2
Date : 9/27/94 02:03 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : END DEG #2 Time : 9/28/94 02:10 PM
Sample Number: 19 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 04:19 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_019.raw
Result File : C:\2700\DATA2\1AL_019.rst PRIMARY COLUMN
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1ENDBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 8 | 14.11 | ENDRIN | 744142 | 110263 | MIREX | 1.4882e6 |
| 9 | 15.62 | END ALD | 85489 | 8490 | MIREX | 1.7097e5 |
| 10 | 18.71 | MIREX | 1257061 | 102147 | MIREX | 2.5141e6 |
| | | | 2086691 | 220900 | | 4.1733e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| END KETONE | 17.600 |

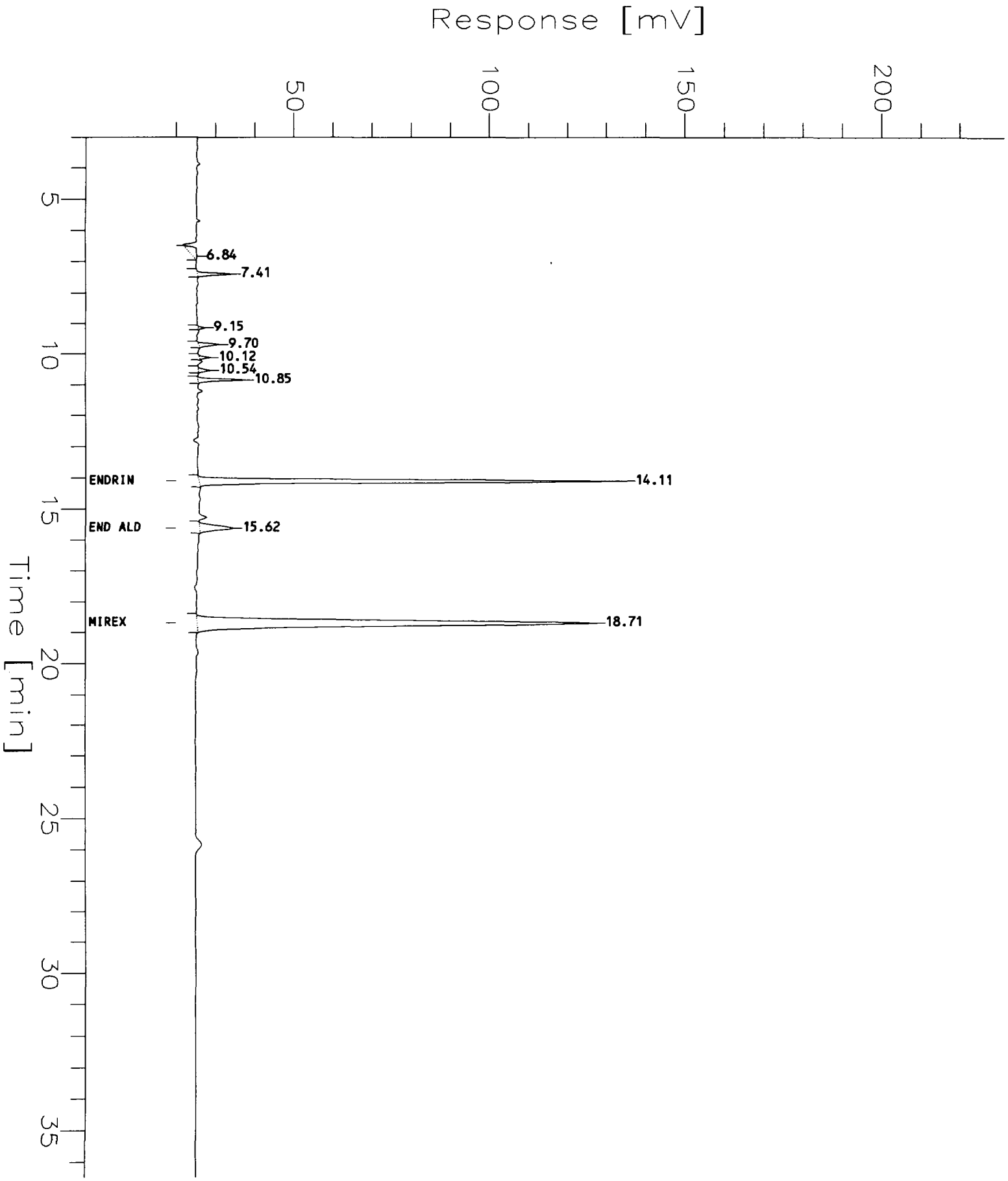
# Chromatogram

Sample Name : END DEG #2
FileName : C:\2700\DATA2\1AL_019.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 19
Date : 9/28/94 02:10 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : END DEG #3 Time : 9/28/94 09:46 AM
Sample Number: 40 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:22 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_040.raw
Result File : C:\2700\DATA2\1AL_040.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1ENDBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 5 | 14.11 | ENDRIN | 748480 | 111197 | MIREX | 1.4969e6 |
| 6 | 15.59 | END ALD | 56622 | 5199 | MIREX | 1.1324e5 |
| 7 | 18.70 | MIREX | 1224577 | 98644 | MIREX | 2.4491e6 |
| | | | 2029679 | 215039 | | 4.0593e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| END KETONE | 17.600 |

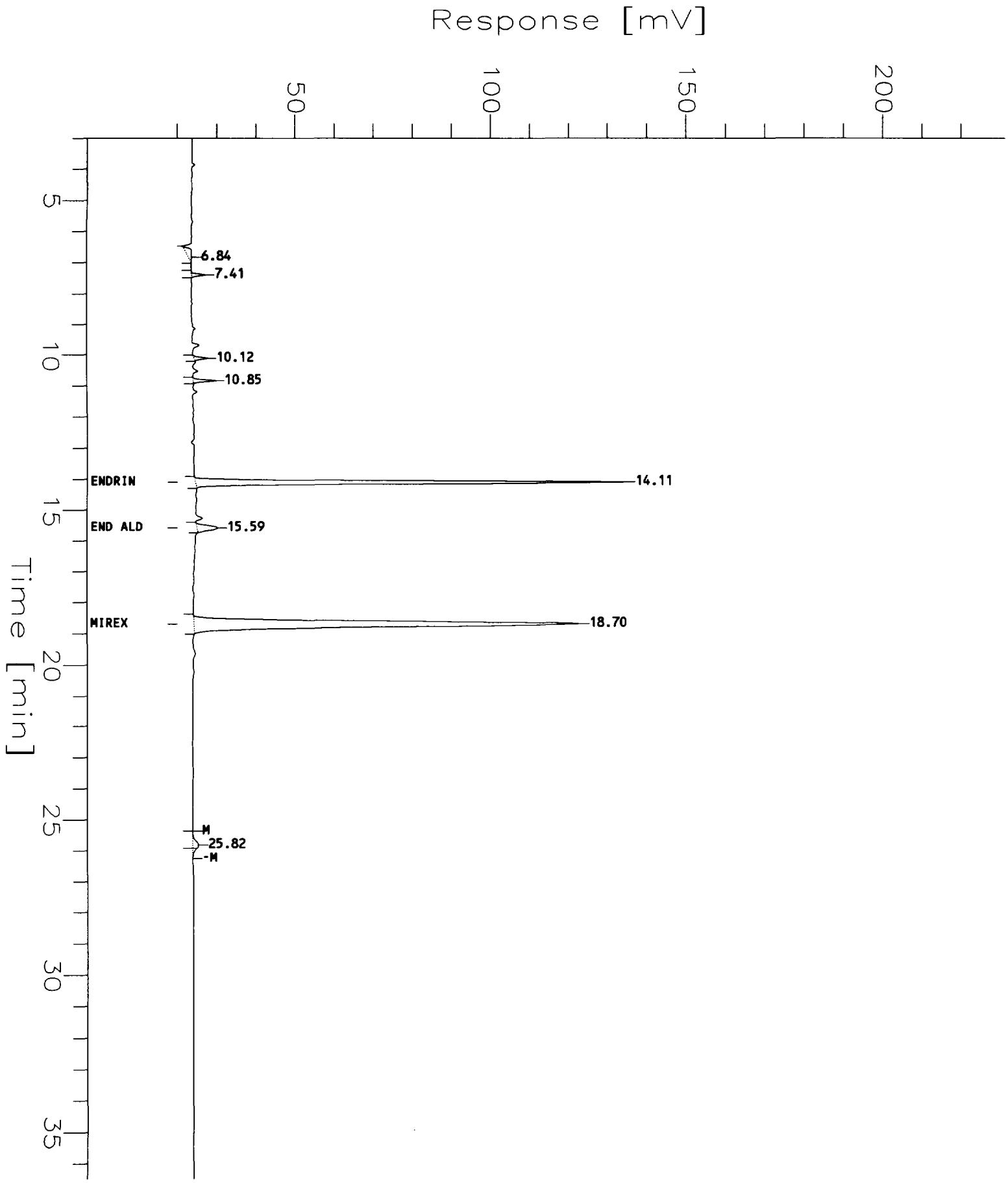
# Chromatogram

Sample Name : END DEG #3
FileName : C:\2700\DATA2\1AL_040.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 40
Date : 9/28/94 09:46 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : END DEG #1 Time : 10/3/94 08:43 AM
Sample Number: 3 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 04:51 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_003.raw SECONDARY COLUMN
Result File : C:\2700\DATA2\2AL_003.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2ENDBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 2 | 14.63 | ENDRIN | 890153 | 136043 | MIREX | 1.7803e6 |
| 3 | 15.32 | END ALD | 20680 | 3003 | MIREX | 4.1360e4 |
| 5 | 20.22 | MIREX | 957144 | 75382 | MIREX | 1.9142e6 |
| | | | 1867978 | 214428 | | 3.7359e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| END KETONE | 17.860 |

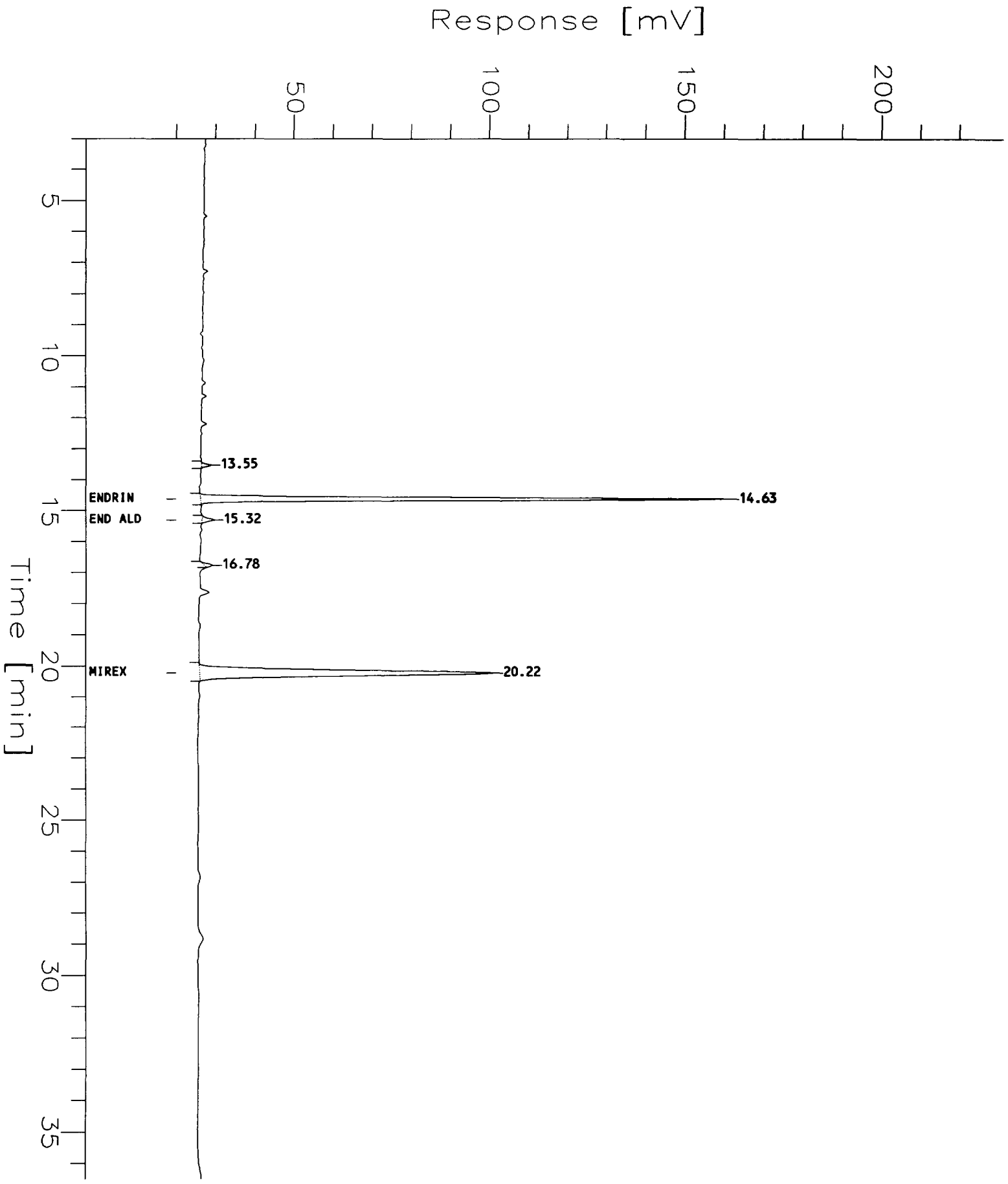
# Chromatogram

Sample Name : END DEG #1
FileName : C:\2700\DATA2\2AL_003.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 3
Date : 10/3/94 08:43 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : END DEG #2 Time : 10/3/94 08:50 AM
Sample Number: 20 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:02 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_020.raw
Result File : C:\2700\DATA2\2AL_020.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2ENDBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 6 | 14.63 | ENDRIN | 979340 | 149795 | MIREX | 1.9586e6 |
| 8 | 15.64 | END ALD | 27936 | 4166 | MIREX | 5.5872e4 |
| 9 | 20.23 | MIREX | 1013550 | 79013 | MIREX | 2.0270e6 |
| | | | 2020826 | 232973 | | 4.0416e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| END KETONE | 17.860 |

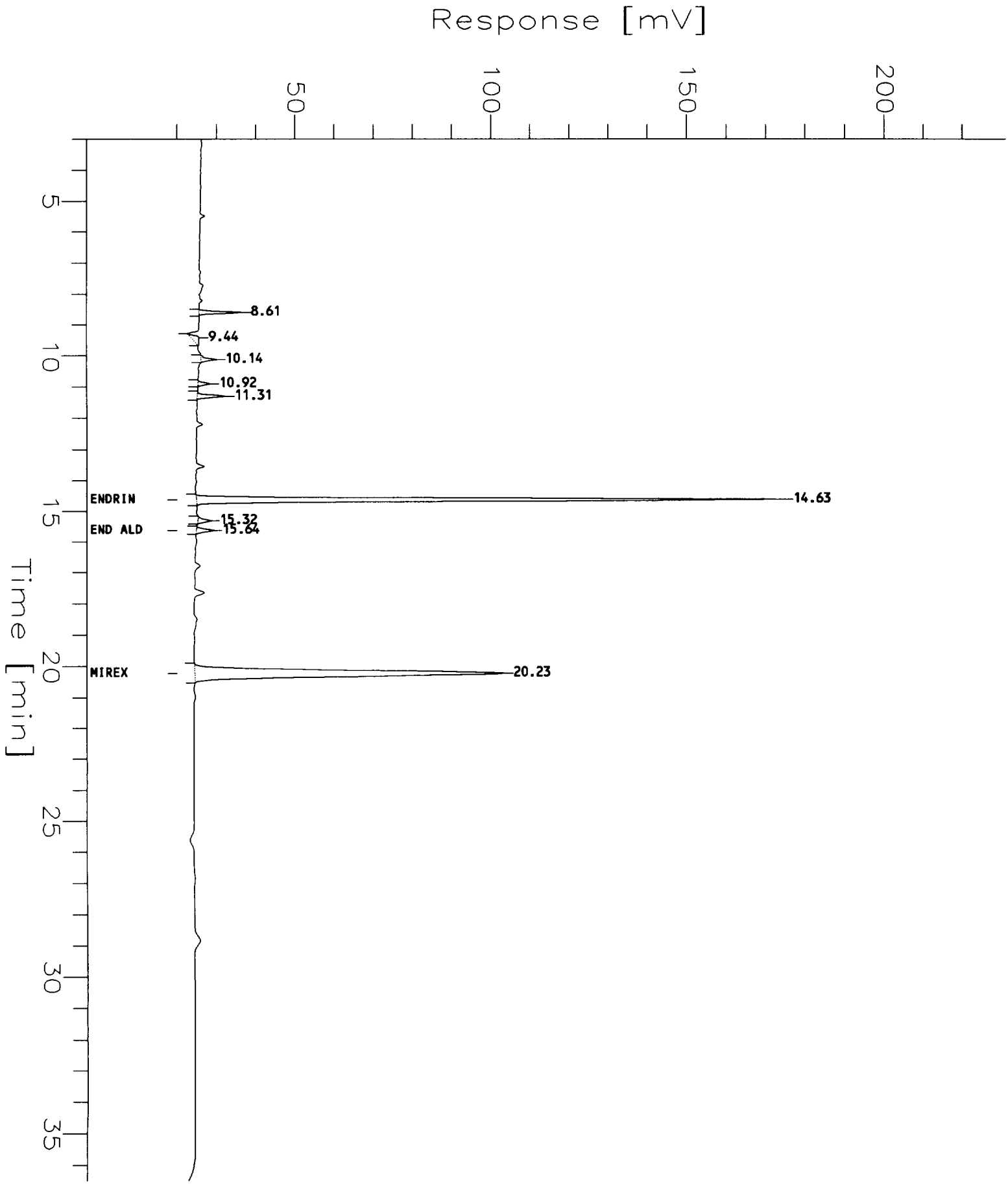
# Chromatogram

Sample Name : END DEG #2
FileName : C:\2700\DATA2\2AL_020.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 20
Date : 10/3/94 08:50 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : END DEG #3 Time : 10/3/94 08:51 AM
Sample Number: 41 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 08:05 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_041.raw
Result File : C:\2700\DATA2\2AL_041.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2ENDBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 3 | 14.63 | ENDRIN | 988389 | 150694 | MIREX | 1.9767e6 |
| 4 | 15.32 | END ALD | 23055 | 3354 | MIREX | 4.6110e4 |
| 5 | 20.22 | MIREX | 959943 | 74962 | MIREX | 1.9198e6 |
| | | | 1971387 | 229010 | | 3.9427e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| END KETONE | 17.860 |

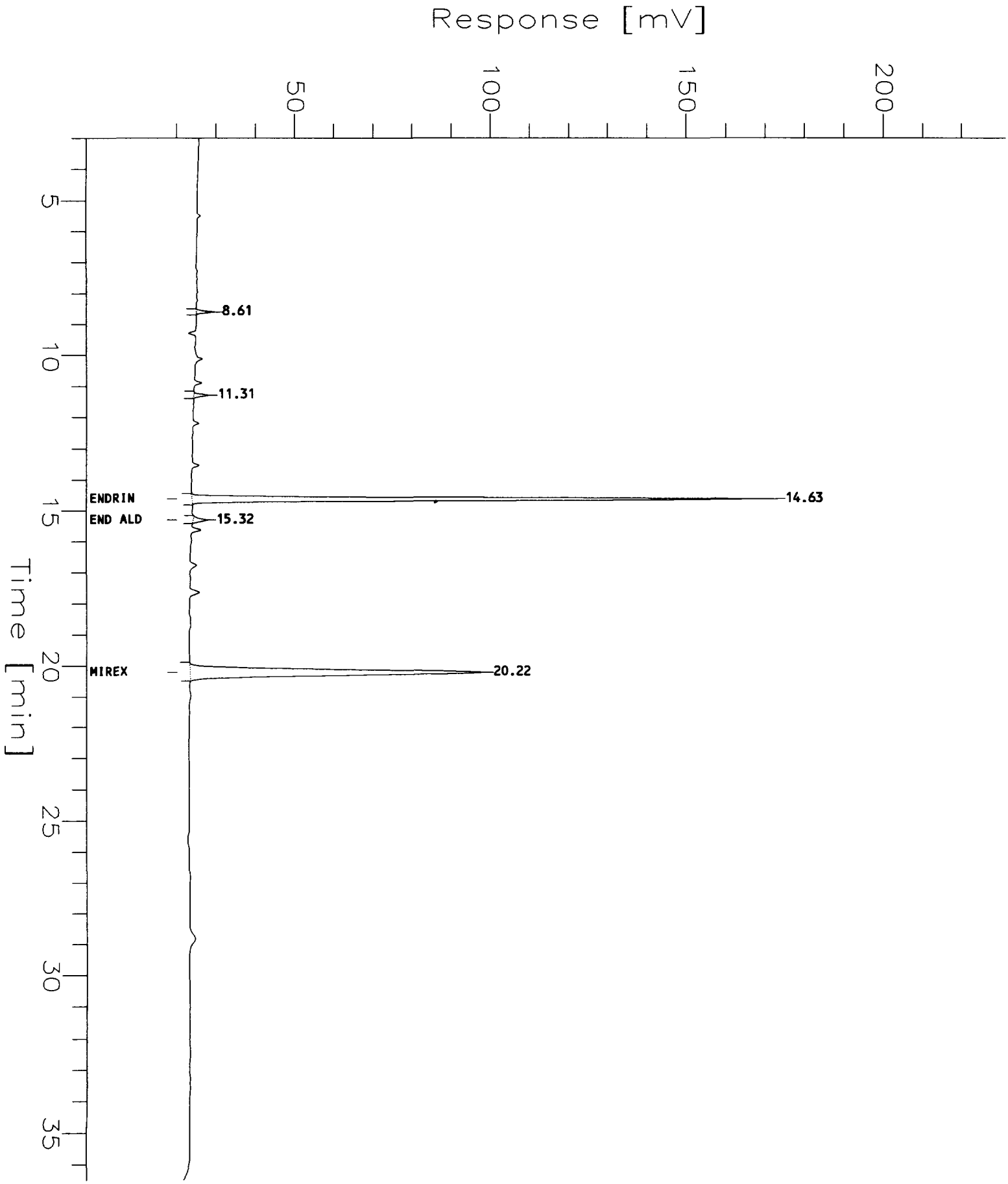
# Chromatogram

Sample Name : END DEG #3
FileName : C:\2700\DATA2\2AL_041.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 41
Date : 10/3/94 08:52 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : DDT DEG #1 Time : 9/27/94 01:59 PM
Sample Number: 3 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 04:51 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_003.raw
Result File : C:\2700\DATA2\1AL_003.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1DDTBD.smp
Sequence File : c:\2700\data2\1al.seq

PRIMARY COLUMN

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 2 | 12.84 | p,p'-DDE | 46323 | 7719 | MIREX | 9.2646e4 |
| 3 | 14.34 | p,p'-DDD | 83549 | 12647 | MIREX | 1.6709e5 |
| 4 | 15.20 | p,p'-DDT | 950953 | 131361 | MIREX | 1.9019e6 |
| 5 | 18.71 | MIREX | 1222138 | 98571 | MIREX | 2.4442e6 |
| | | | 2302963 | 250298 | | 4.6059e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

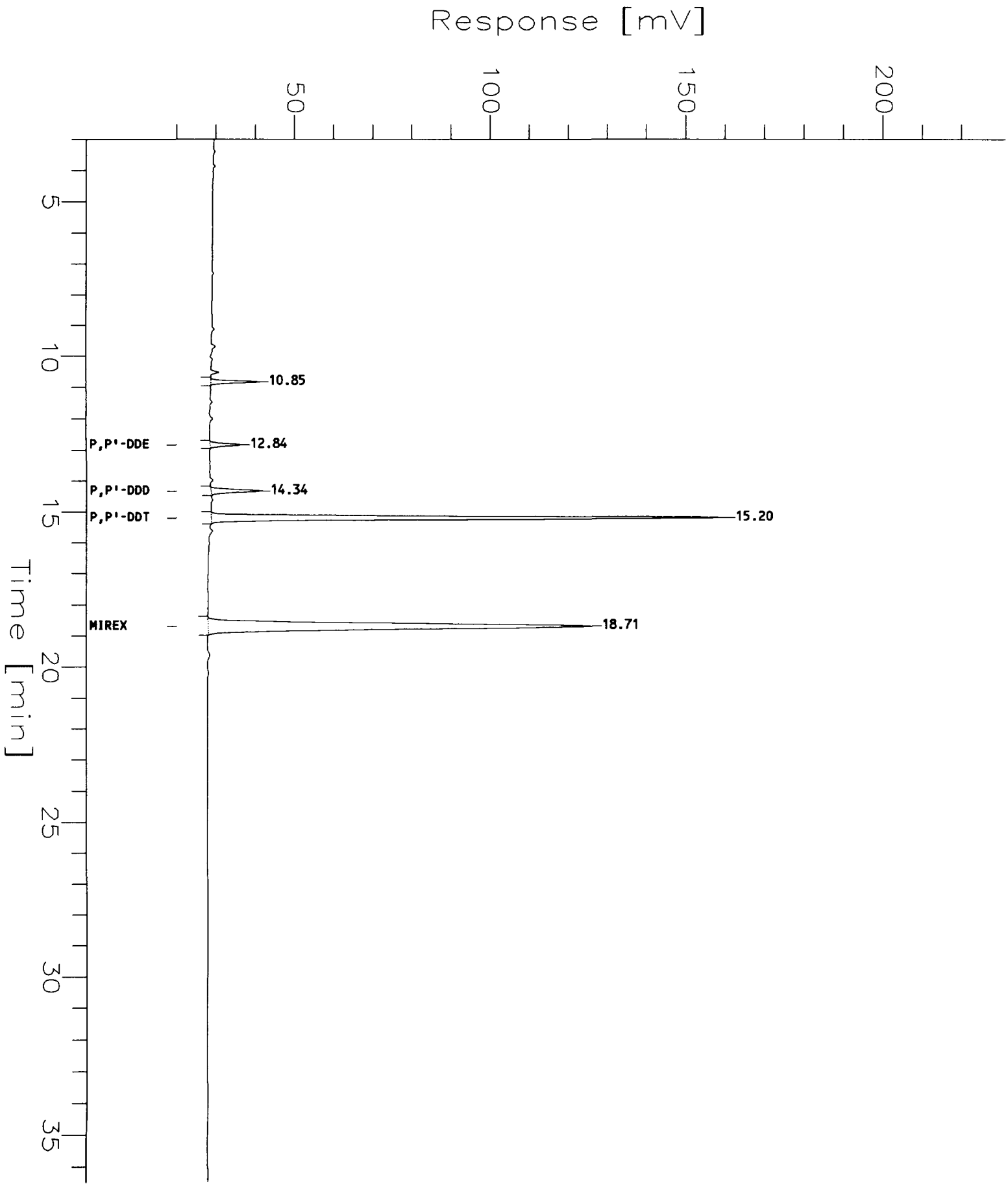
# Chromatogram

Sample Name : DDT DEG #1
FileName : C:\2700\DATA2\1AL_003.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 3
Date : 9/27/94 01:59 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : DDT DEG #2 Time : 9/28/94 08:51 AM
Sample Number: 20 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:02 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_020.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_020.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1DDTBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 2 | 12.85 | p,p'-DDE | 37502 | 6237 | MIREX | 7.5004e4 |
| 3 | 14.34 | p,p'-DDD | 76466 | 11760 | MIREX | 1.5293e5 |
| 4 | 15.20 | p,p'-DDT | 1125981 | 160049 | MIREX | 2.2519e6 |
| 5 | 18.71 | MIREX | 1230016 | 100453 | MIREX | 2.4600e6 |
| | | | 2469965 | 278500 | | 4.9399e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

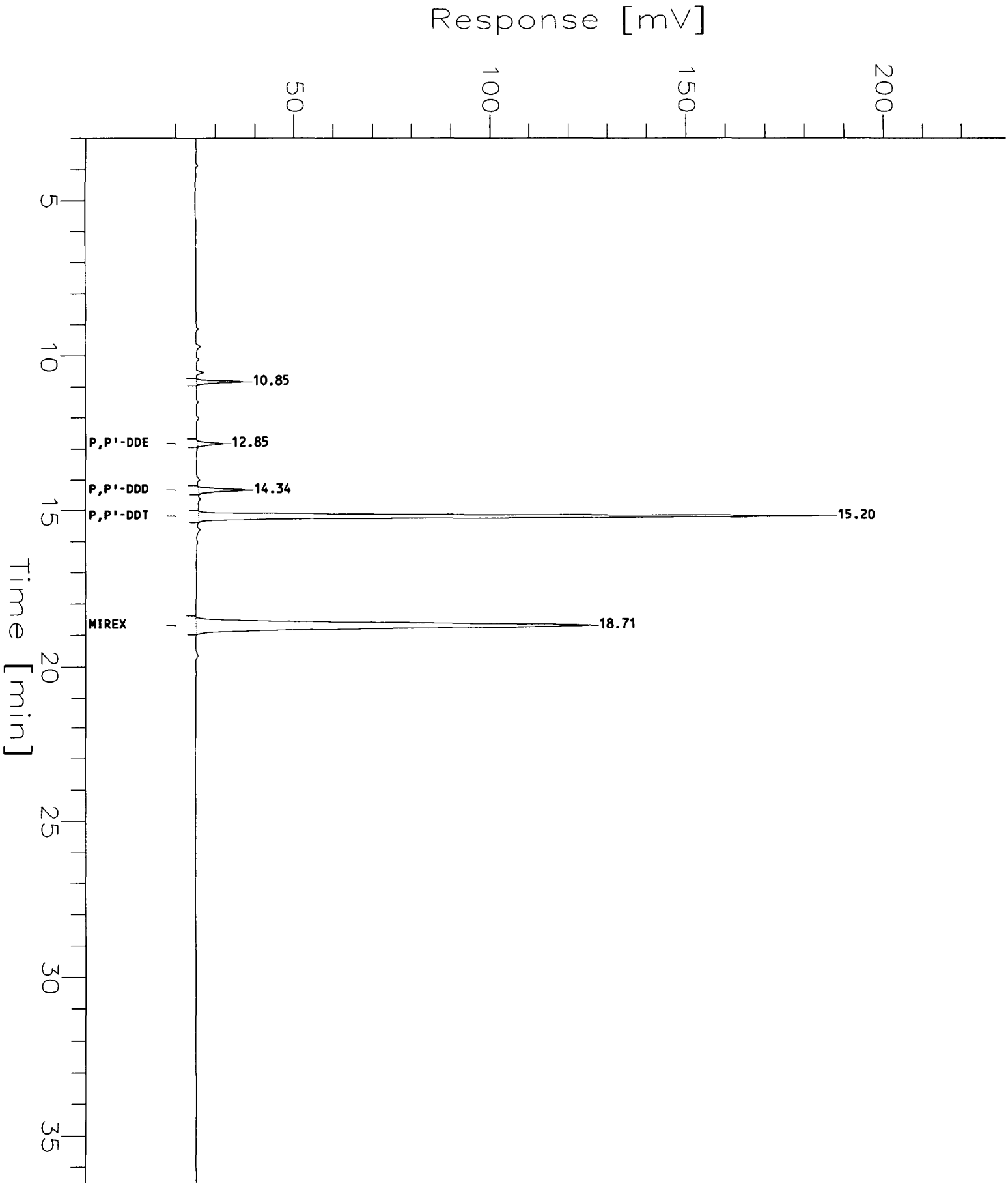
# Chromatogram

Sample Name : DDT DEG #2
FileName : C:\2700\DATA2\1AL_020.raw
Start Time : 3.00 min
End Time : 36.50 min
Scale Factor: 0
Plot Offset: 20 mV

Sample #: 20
Date : 9/28/94 08:51 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : DDT DEG #3 Time : 9/28/94 09:46 AM
Sample Number: 41 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 08:05 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_041.raw
Result File : C:\2700\DATA2\1AL_041.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1DDTBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 2 | 12.85 | p,p'-DDE | 34662 | 5774 | MIREX | 6.9324e4 |
| 3 | 14.34 | p,p'-DDD | 75396 | 11582 | MIREX | 1.5079e5 |
| 4 | 15.20 | p,p'-DDT | 1174230 | 169322 | MIREX | 2.3484e6 |
| 5 | 18.70 | MIREX | 1215354 | 100857 | MIREX | 2.4307e6 |
| | | | 2499642 | 287534 | | 4.9992e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

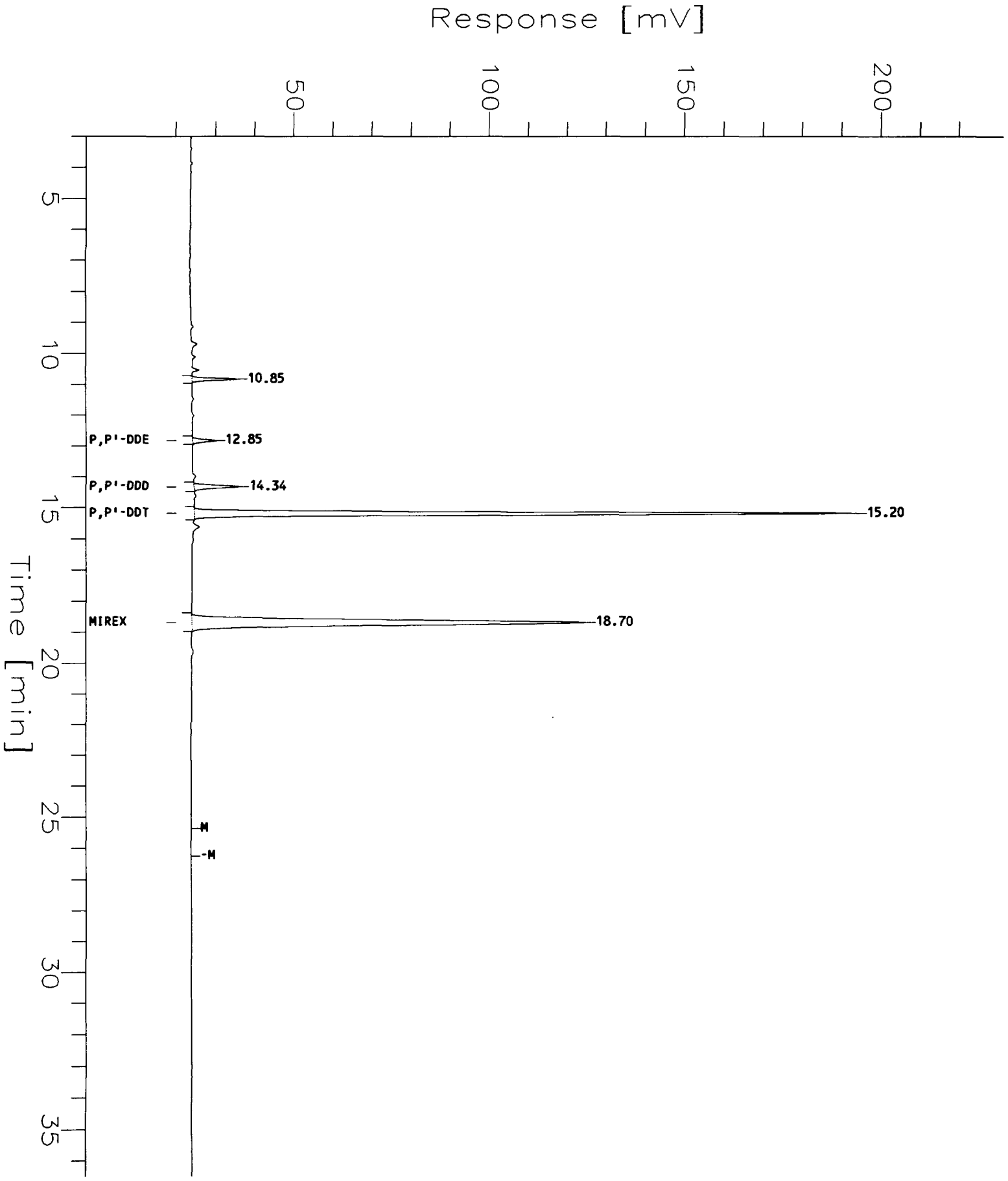
# Chromatogram

Sample Name : DDT DEG #3
FileName : C:\2700\DATA2\1AL_041.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 41
Date : 9/28/94 09:46 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : DDT DEG #1 Time : 10/3/94 08:43 AM
Sample Number: 4 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 05:34 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_004.raw
Result File : C:\2700\DATA2\2AL_004.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2DDTBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 2 | 13.74 | p,p'-DDE | 76365 | 12767 | MIREX | 1.5273e5 |
| 3 | 14.87 | p,p'-DDD | 85288 | 12450 | MIREX | 1.7057e5 |
| 4 | 15.96 | p,p'-DDT | 1884617 | 262412 | MIREX | 3.7692e6 |
| 5 | 20.22 | MIREX | 990172 | 76984 | MIREX | 1.9803e6 |
| | | | 3036442 | 364612 | | 6.0728e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

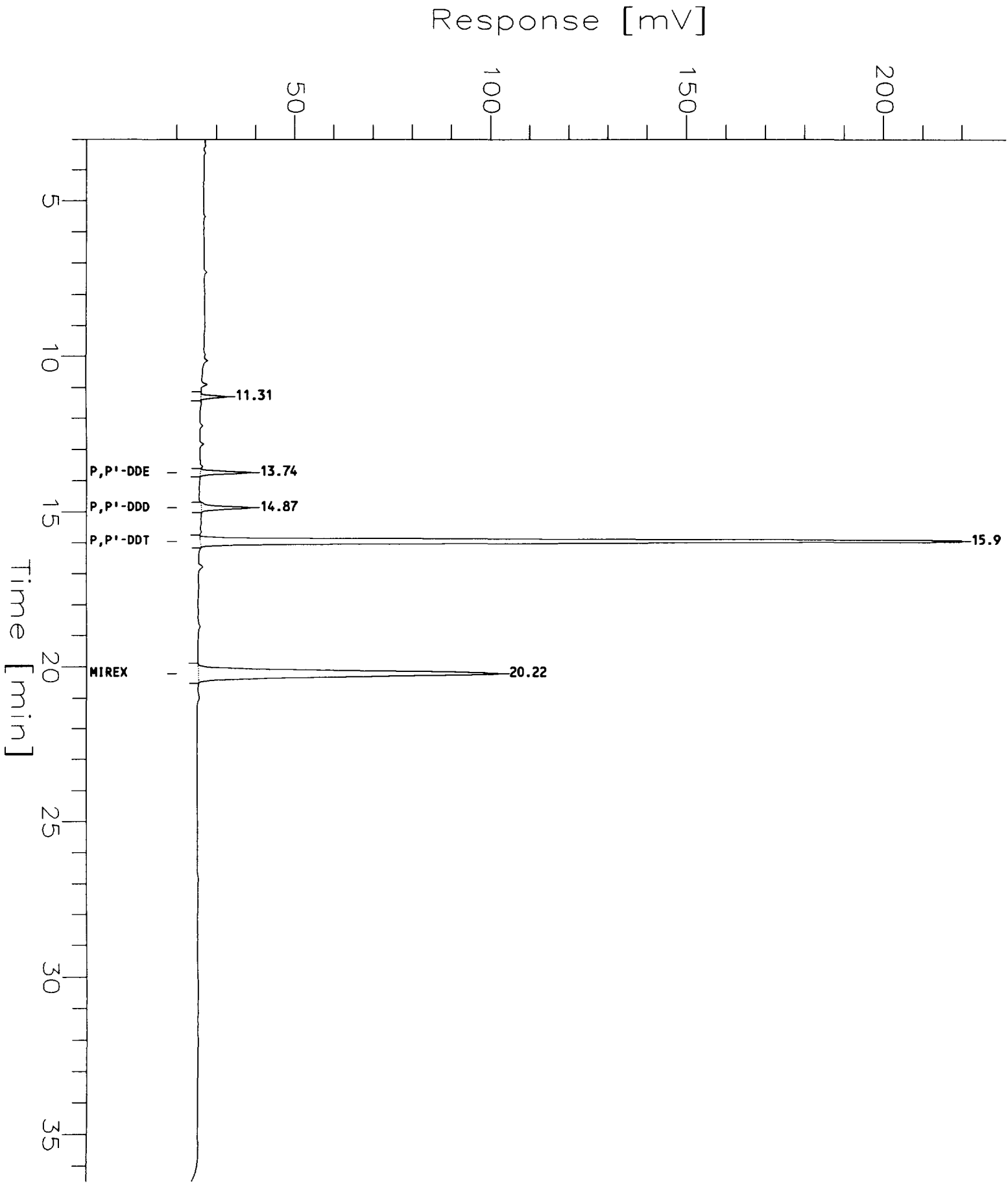
# Chromatogram

Sample Name : DDT DEG #1
FileName : C:\2700\DATA2\2AL_004.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 4
Date : 10/3/94 08:44 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : DDT DEG #2 Time : 10/3/94 08:50 AM
Sample Number: 21 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:45 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_021.raw
Result File : C:\2700\DATA2\2AL_021.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2DDTBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 2 | 13.75 | p,p'-DDE | 64453 | 10676 | MIREX | 1.2890e5 |
| 3 | 14.87 | p,p'-DDD | 71063 | 10352 | MIREX | 1.4212e5 |
| 4 | 15.96 | p,p'-DDT | 1913245 | 263059 | MIREX | 3.8264e6 |
| 5 | 20.23 | MIREX | 1007839 | 78778 | MIREX | 2.0156e6 |
| | | | 3056600 | 362865 | | 6.1131e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

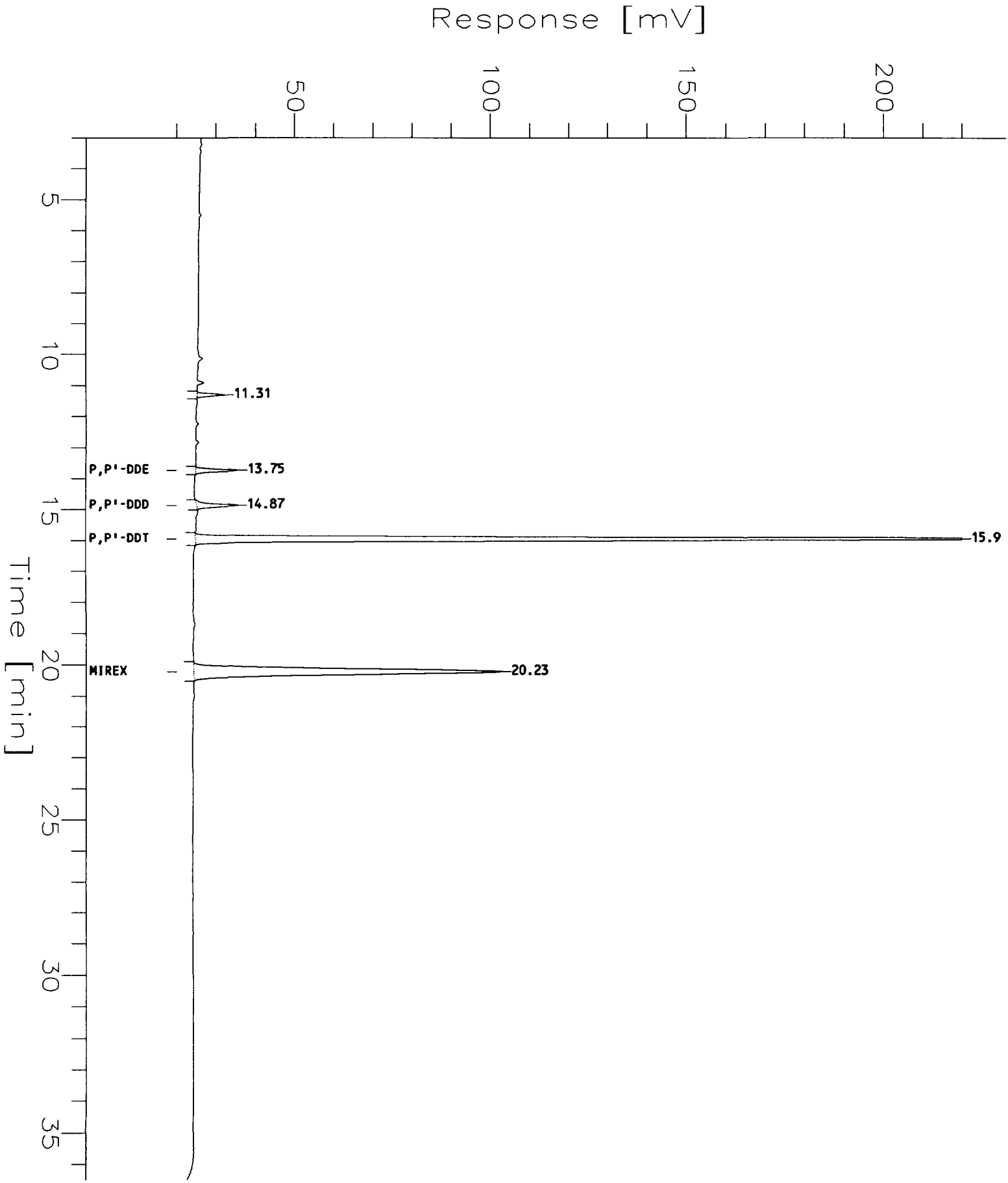
# Chromatogram

Sample Name : DDT DEG #2
FileName : C:\2700\DATA2\2AL_021.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 21
Date : 10/3/94 08:50 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : DDT DEG #3 Time : 10/3/94 08:52 AM
Sample Number: 42 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 08:48 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_042.raw
Result File : C:\2700\DATA2\2AL_042.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2DDTBD.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|
| 2 | 13.74 | p,p'-DDE | 51981 | 8581 | MIREX | 1.0396e5 |
| 3 | 14.87 | p,p'-DDD | 68229 | 10063 | MIREX | 1.3645e5 |
| 4 | 15.96 | p,p'-DDT | 1843048 | 255643 | MIREX | 3.6860e6 |
| 5 | 20.22 | MIREX | 966141 | 74991 | MIREX | 1.9322e6 |
| | | | 2929399 | 349277 | | 5.8587e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

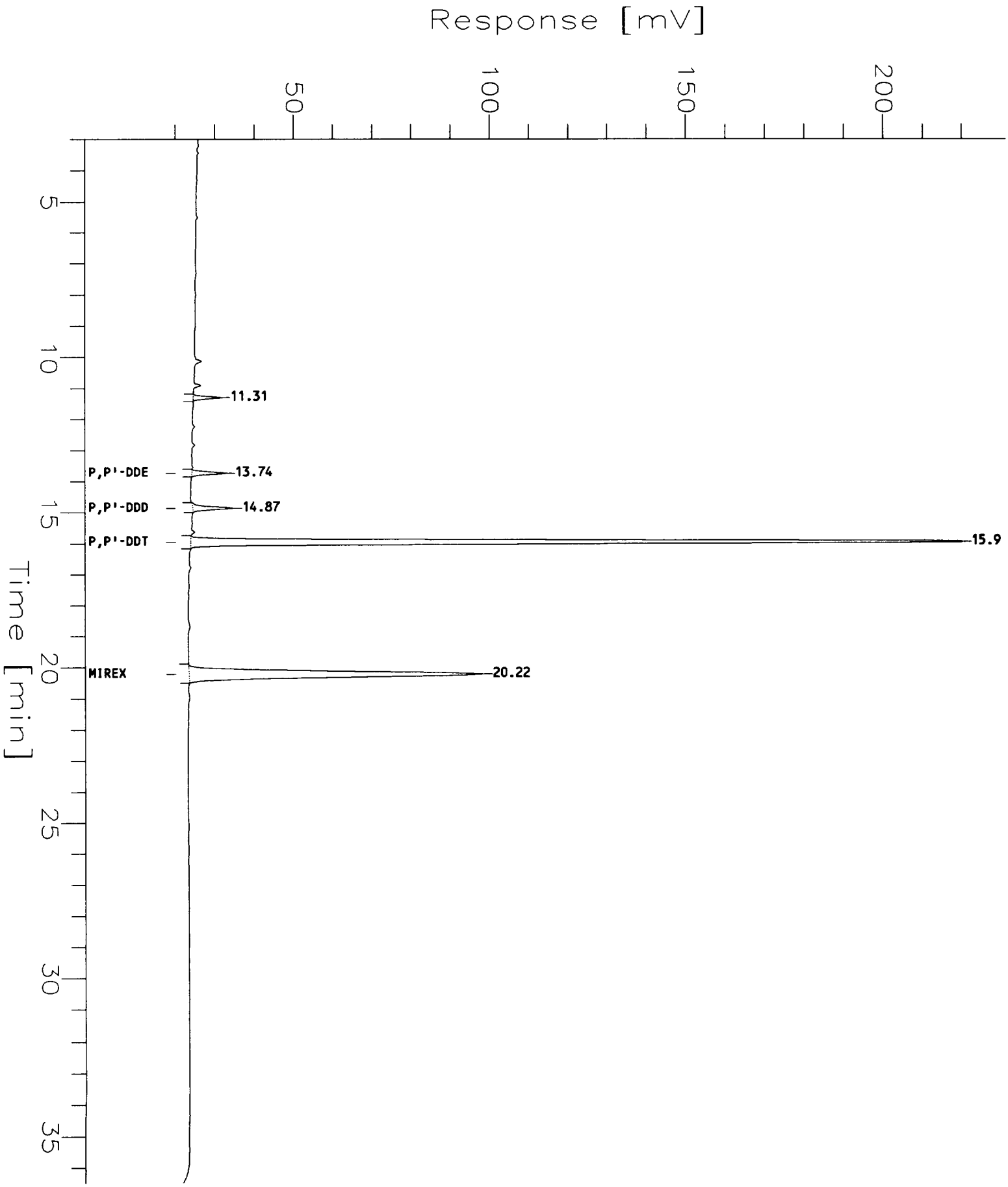
# Chromatogram

Sample Name : DDT DEG #3
FileName : C:\2700\DATA2\2AL_042.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 42
Date : 10/3/94 08:52 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



# 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)

Software Version: 3.1 <2A23>
Sample Name : PEST A L1
Sample Number: 4
Operator : KM

Time : 9/27/94 01:04 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 05:34 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

PRIMARY COLUMN

Raw Data File : C:\2700\DATA2\1AL_004.raw
Result File : C:\2700\DATA2\1AL_004.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.83 | a-BHC | 0.0022 | 78864 | 16255 | MIREX | 3.5410e7 |
| 2 | 8.74 | LINDANE | 0.0022 | 76548 | 15723 | MIREX | 3.5561e7 |
| 3 | 9.47 | HEPTACHLOR | 0.0021 | 76435 | 13884 | MIREX | 3.6486e7 |
| 5 | 12.34 | ENDO I | 0.0021 | 71180 | 11492 | MIREX | 3.4164e7 |
| 6 | 13.12 | DIELDRIN | 0.0044 | 130249 | 20027 | MIREX | 2.9617e7 |
| 7 | 14.11 | ENDRIN | 0.0043 | 113912 | 16569 | MIREX | 2.6714e7 |
| 8 | 14.34 | p,p'-DDD | 0.0043 | 94588 | 14591 | MIREX | 2.2096e7 |
| 9 | 15.20 | p,p'-DDT | 0.0045 | 91786 | 13130 | MIREX | 2.0638e7 |
| 10 | 18.26 | METHOXYCHLOR | 0.0208 | 232555 | 22227 | MIREX | 1.1166e7 |
| 11 | 18.71 | MIREX | 0.0000 | 1212417 | 97581 | MIREX | ------- |
| | | | 0.0468 | 2178534 | 241477 | | 2.5185e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

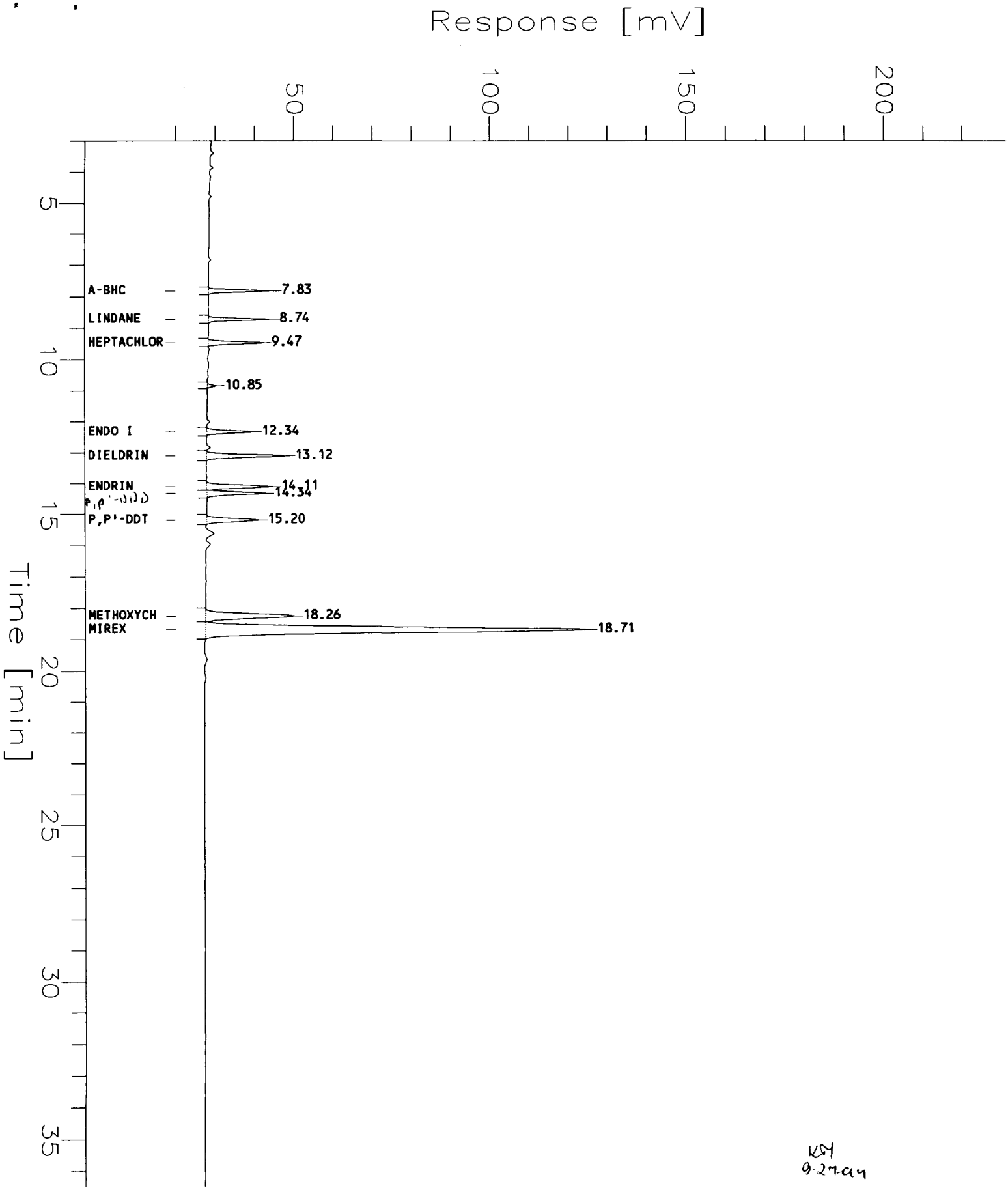
# Chromatogram

Sample Name : PEST A L1
FileName : C:\2700\DATA2\1AL_004.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 4
Date : 9/27/94 01:04 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KH
9-27-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L2 Time : 9/27/94 01:05 PM
Sample Number: 5 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 06:17 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_005.raw
Result File : C:\2700\DATA2\1AL_005.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.83 | a-BHC | 0.0051 | 145622 | 29996 | MIREX | 2.8579e7 |
| 2 | 8.74 | LINDANE | 0.0051 | 140392 | 28678 | MIREX | 2.7428e7 |
| 3 | 9.47 | HEPTACHLOR | 0.0052 | 137711 | 24826 | MIREX | 2.6636e7 |
| 4 | 12.34 | ENDO I | 0.0051 | 129072 | 20504 | MIREX | 2.5145e7 |
| 5 | 13.12 | DIELDRIN | 0.0102 | 237496 | 36277 | MIREX | 2.3184e7 |
| 6 | 14.11 | ENDRIN | 0.0103 | 208581 | 29652 | MIREX | 2.0240e7 |
| 7 | 14.34 | p,p'-DDD | 0.0103 | 172279 | 26119 | MIREX | 1.6771e7 |
| 8 | 15.20 | p,p'-DDT | 0.0103 | 170067 | 24215 | MIREX | 1.6598e7 |
| 9 | 18.26 | METHOXYCHLOR | 0.0520 | 411816 | 38912 | MIREX | 7.9156e6 |
| 10 | 18.71 | MIREX | 0.0000 | 1209443 | 98204 | MIREX | ------- |
| | | | 0.1136 | 2962479 | 357383 | | 1.9250e8 |

Missing Component Report
Component Expected Retention (Sample File)

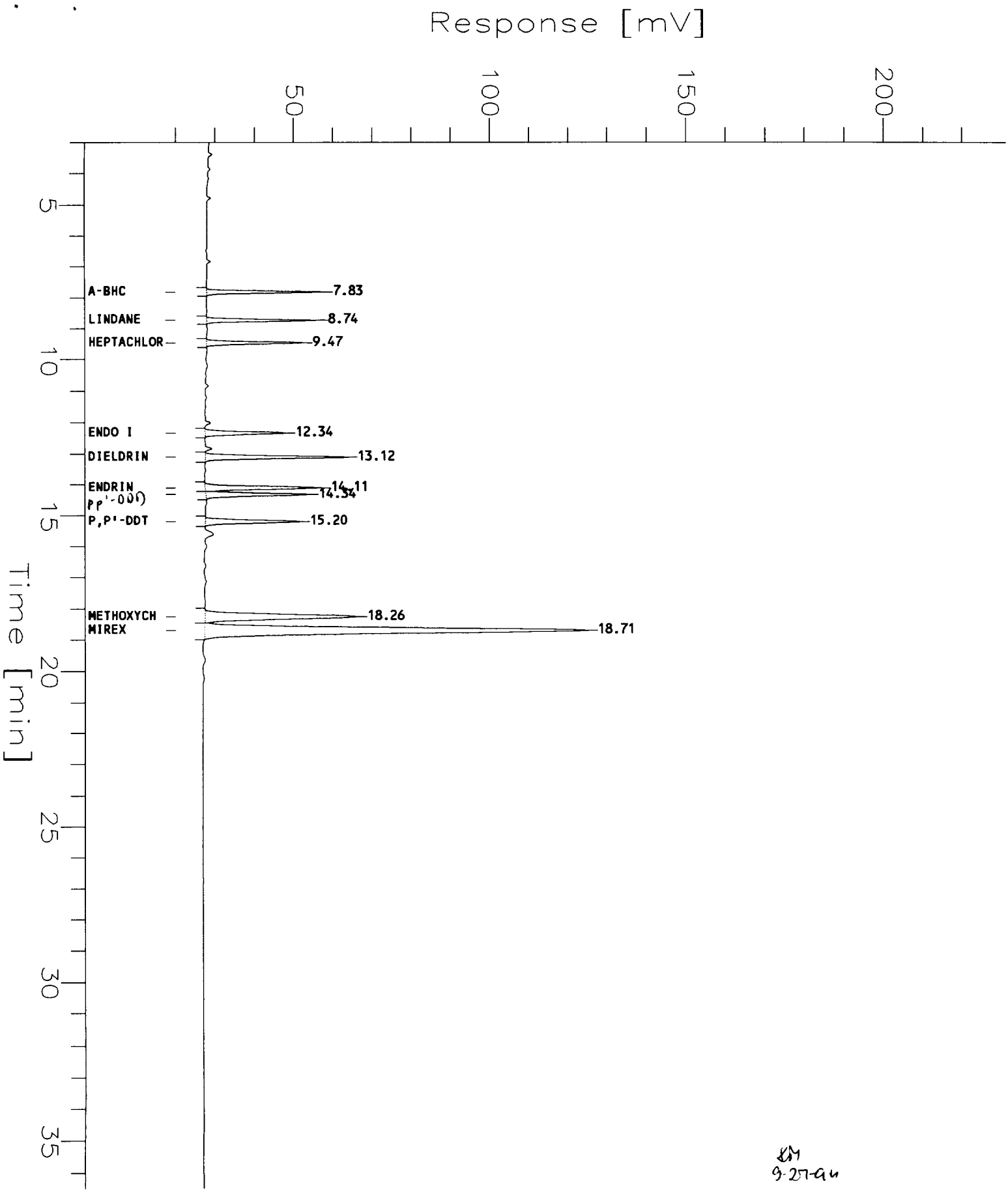
All Components Were Found

# Chromatogram

Sample Name : PEST A L2
FileName : C:\2700\DATA2\1AL_005.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 5
Date : 9/27/94 01:05 PM
Low Point : 20.00 mV High Point : 220.00 mV
Plot Scale: 200 mV






SM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L3 Time : 9/27/94 01:05 PM
Sample Number: 6 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 07:01 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_006.raw
Result File : C:\2700\DATA2\1AL_006.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 7.83 | a-BHC | 0.0127 | 321661 | 66531 | MIREX | 2.5409e7 |
| 4 | 8.74 | LINDANE | 0.0127 | 304544 | 62077 | MIREX | 2.3897e7 |
| 5 | 9.47 | HEPTACHLOR | 0.0128 | 289188 | 51620 | MIREX | 2.2642e7 |
| 7 | 12.33 | ENDO I | 0.0128 | 275076 | 43626 | MIREX | 2.1450e7 |
| 9 | 13.12 | DIELDRIN | 0.0253 | 514497 | 78923 | MIREX | 2.0300e7 |
| 10 | 14.11 | ENDRIN | 0.0254 | 444695 | 64047 | MIREX | 1.7527e7 |
| 11 | 14.33 | p,p'-DDD | 0.0254 | 368206 | 56277 | MIREX | 1.4507e7 |
| 12 | 15.20 | p,p'-DDT | 0.0252 | 372446 | 52571 | MIREX | 1.4757e7 |
| 14 | 18.26 | METHOXYCHLOR | 0.1267 | 840967 | 79195 | MIREX | 6.6366e6 |
| 15 | 18.71 | MIREX | 0.0000 | 1210766 | 96793 | MIREX | ------- |
| | | | 0.2791 | 4942047 | 651659 | | 1.6712e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

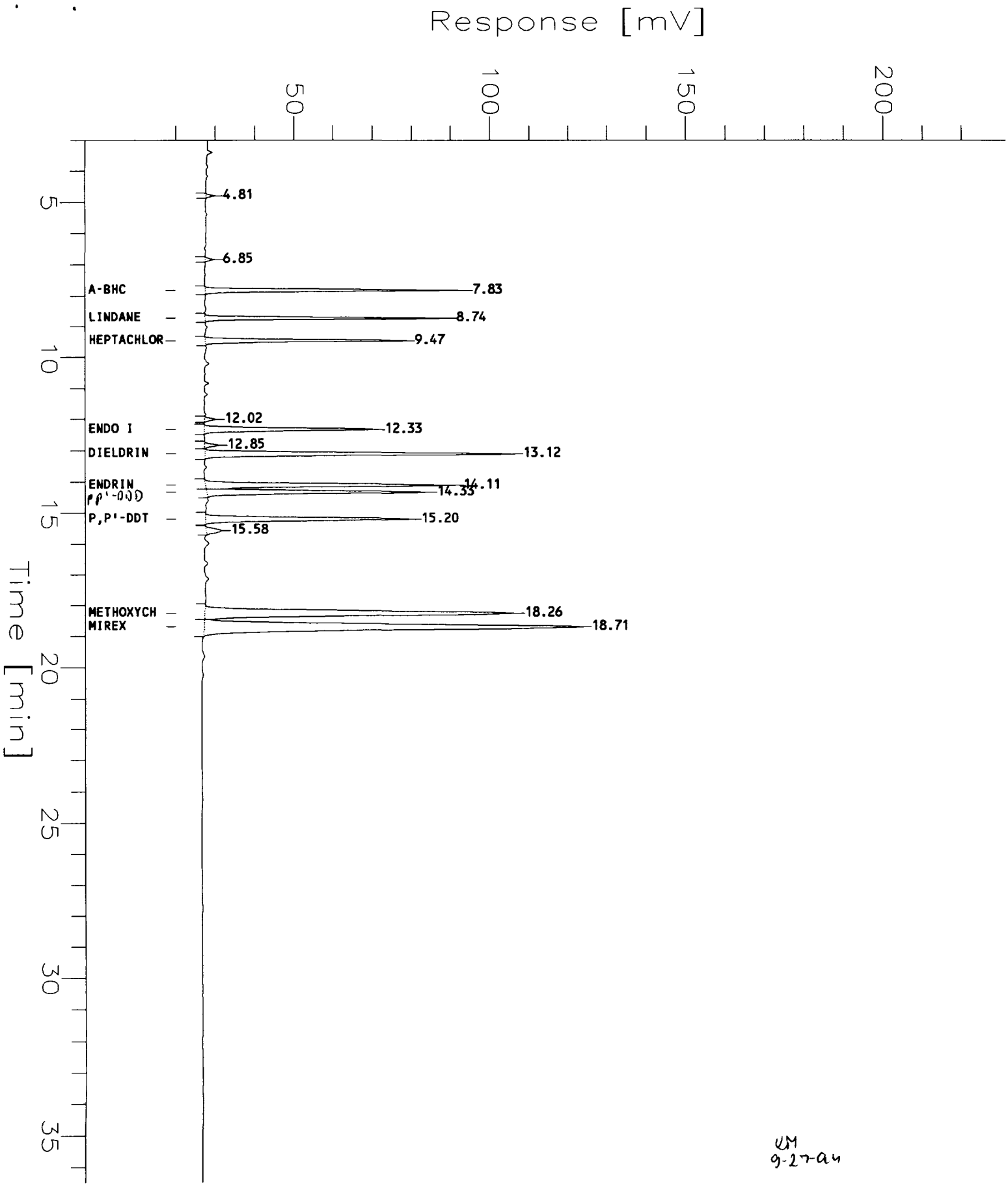
# Chromatogram

Sample Name : PEST A L3
FileName : C:\2700\DATA2\1AL_006.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 6
Date : 9/27/94 01:05 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




UM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L4 Time : 9/27/94 01:05 PM
Sample Number: 7 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 07:44 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_007.raw
Result File : C:\2700\DATA2\1AL_007.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 7.83 | a-BHC | 0.0178 | 441310 | 90953 | MIREX | 2.4793e7 |
| 4 | 8.74 | LINDANE | 0.0178 | 413815 | 84367 | MIREX | 2.3221e7 |
| 5 | 9.47 | HEPTACHLOR | 0.0178 | 389544 | 69765 | MIREX | 2.1874e7 |
| 7 | 12.34 | ENDO I | 0.0179 | 370602 | 58422 | MIREX | 2.0755e7 |
| 9 | 13.12 | DIELDRIN | 0.0356 | 702348 | 107818 | MIREX | 1.9737e7 |
| 10 | 14.11 | ENDRIN | 0.0358 | 607736 | 86755 | MIREX | 1.6987e7 |
| 11 | 14.33 | p,p'-DDD | 0.0358 | 503285 | 77584 | MIREX | 1.4059e7 |
| 12 | 15.20 | p,p'-DDT | 0.0356 | 512421 | 72913 | MIREX | 1.4391e7 |
| 14 | 18.26 | METHOXYCHLOR | 0.1793 | 1142848 | 106708 | MIREX | 6.3754e6 |
| 15 | 18.71 | MIREX | 0.0000 | 1223900 | 97741 | MIREX | ------- |
| | | | 0.3933 | 6307809 | 853024 | | 1.6219e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

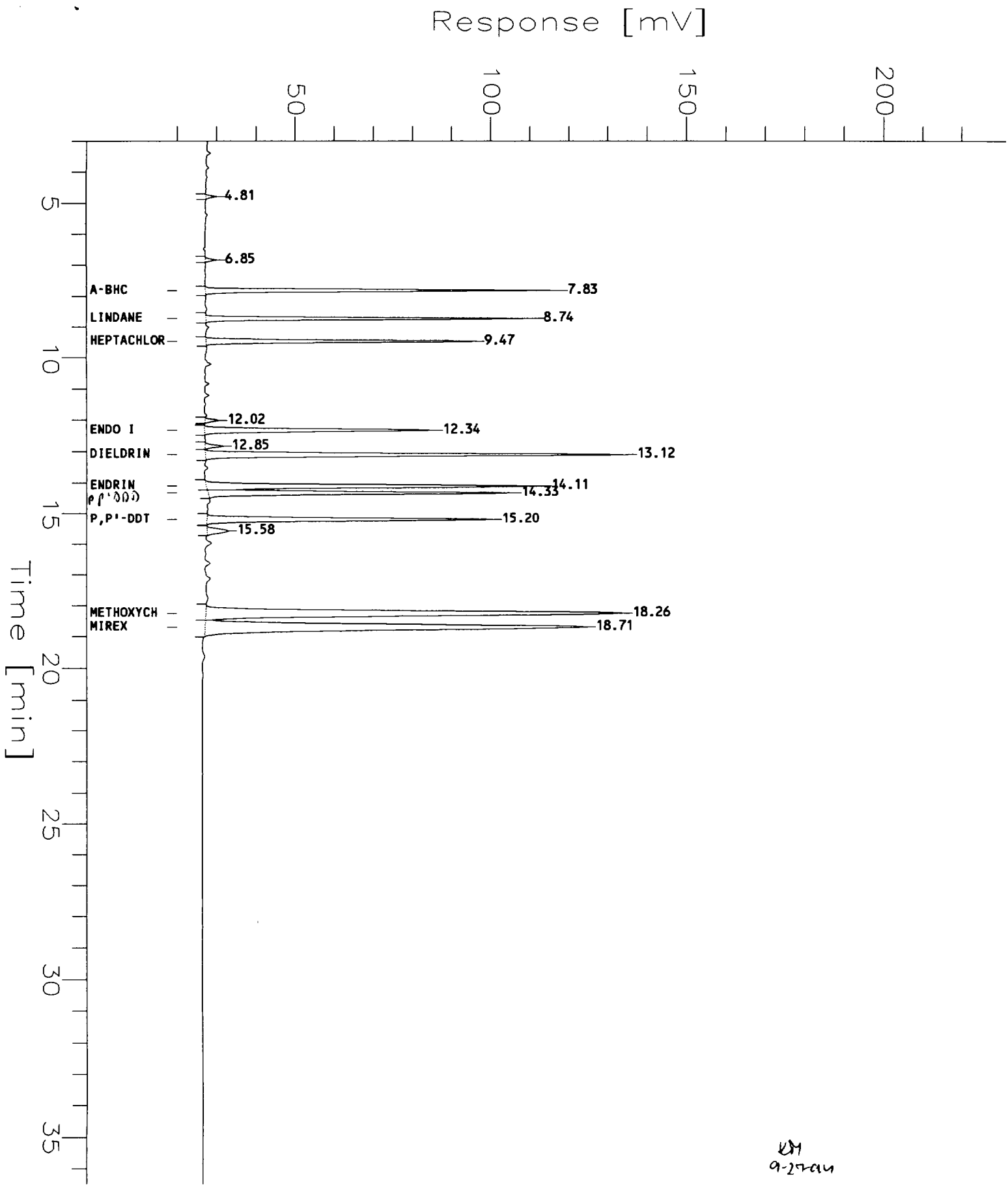
# Chromatogram

Sample Name : PEST A L4
FileName : C:\2700\DATA2\1AL_007.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 7
Date : 9/27/94 01:06 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L5 Time : 9/27/94 01:29 PM
Sample Number: 8 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 08:27 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_008.raw
Result File : C:\2700\DATA2\1AL_008.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 7.83 | a-BHC | 0.0247 | 602358 | 124045 | MIREX | 2.4368e7 |
| 4 | 8.74 | LINDANE | 0.0247 | 561165 | 114316 | MIREX | 2.2751e7 |
| 5 | 9.47 | HEPTACHLOR | 0.0247 | 525961 | 94436 | MIREX | 2.1333e7 |
| 8 | 12.33 | ENDO I | 0.0246 | 498721 | 78905 | MIREX | 2.0269e7 |
| 10 | 13.12 | DIELDRIN | 0.0494 | 956367 | 146794 | MIREX | 1.9347e7 |
| 11 | 14.11 | ENDRIN | 0.0493 | 819437 | 118047 | MIREX | 1.6626e7 |
| 12 | 14.33 | p,p'-DDD | 0.0493 | 677972 | 102390 | MIREX | 1.3760e7 |
| 13 | 15.20 | p,p'-DDT | 0.0495 | 699478 | 98972 | MIREX | 1.4141e7 |
| 15 | 18.26 | METHOXYCHLOR | 0.2462 | 1527342 | 145815 | MIREX | 6.2043e6 |
| 16 | 18.71 | MIREX | 0.0000 | 1230343 | 97306 | MIREX | ------- |
| | | | 0.5423 | 8099145 | 1.e16 | | 1.5880e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

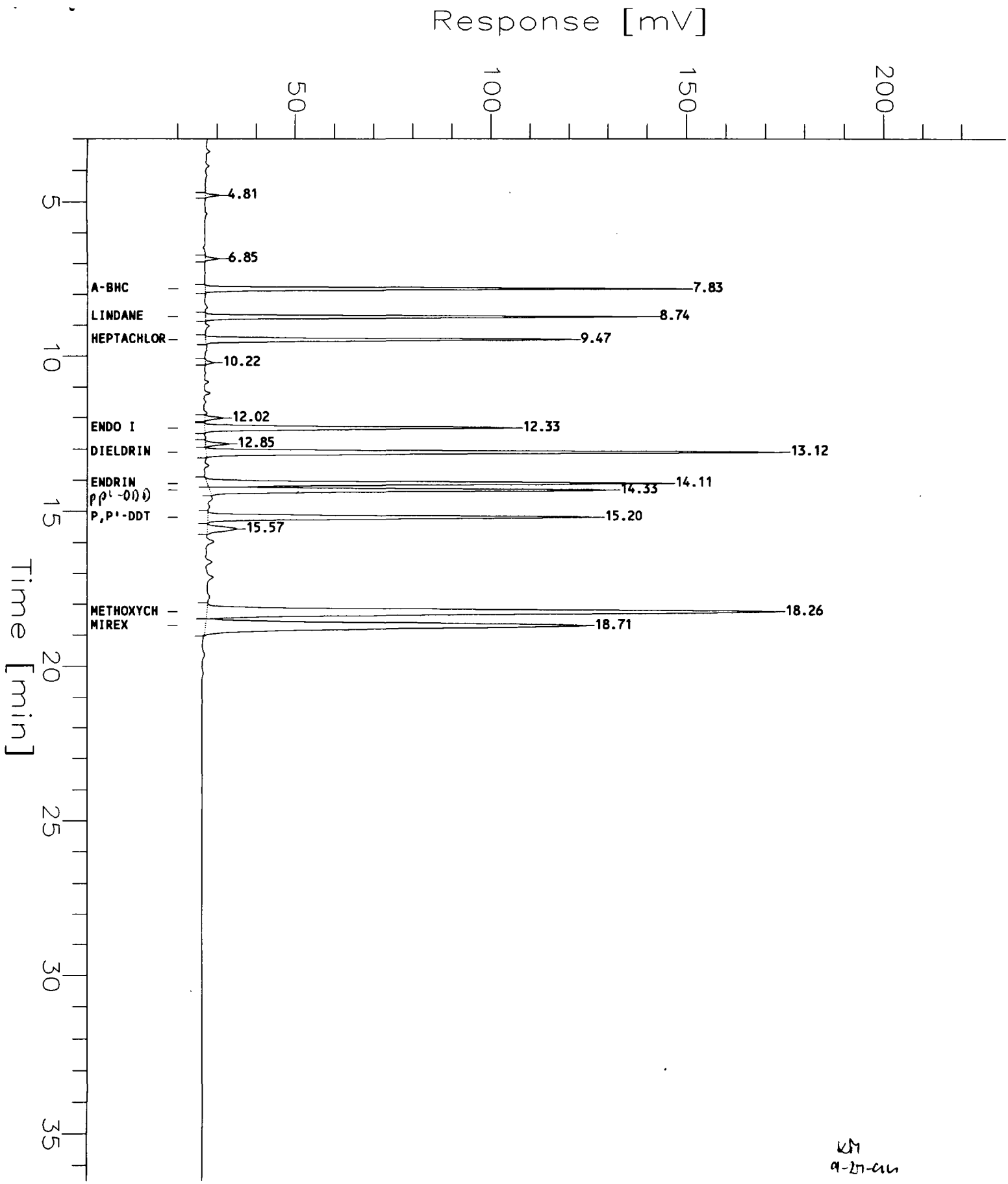
# Chromatogram

Sample Name : PEST A L5
FileName : C:\2700\DATA2\1AL_008.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 8
Date : 9/27/94 01:29 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L3 #1 Time : 9/28/94 12:45 PM
Sample Number: 30 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:13 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_030.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_030.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.83 | a-BHC | 0.0124 | 316366 | 67241 | MIREX | 2.5448e7 |
| 2 | 8.74 | LINDANE | 0.0125 | 298948 | 62648 | MIREX | 2.3946e7 |
| 3 | 9.47 | HEPTACHLOR | 0.0131 | 295476 | 54014 | MIREX | 2.2576e7 |
| 5 | 12.34 | ENDO I | 0.0124 | 267846 | 42936 | MIREX | 2.1526e7 |
| 7 | 13.12 | DIELDRIN | 0.0257 | 520594 | 80521 | MIREX | 2.0275e7 |
| 8 | 14.11 | ENDRIN | 0.0260 | 454590 | 67135 | MIREX | 1.7482e7 |
| 9 | 14.33 | p,p'-DDD | 0.0273 | 393123 | 60948 | MIREX | 1.4398e7 |
| 10 | 15.20 | p,p'-DDT | 0.0269 | 394577 | 56896 | MIREX | 1.4680e7 |
| 12 | 18.26 | METHOXYCHLOR | 0.1474 | 959615 | 92645 | MIREX | 6.5117e6 |
| 13 | 18.71 | MIREX | 0.0000 | 1211609 | 98849 | MIREX | ------- |
| | | | 0.3037 | 5112744 | 683834 | | 1.6684e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

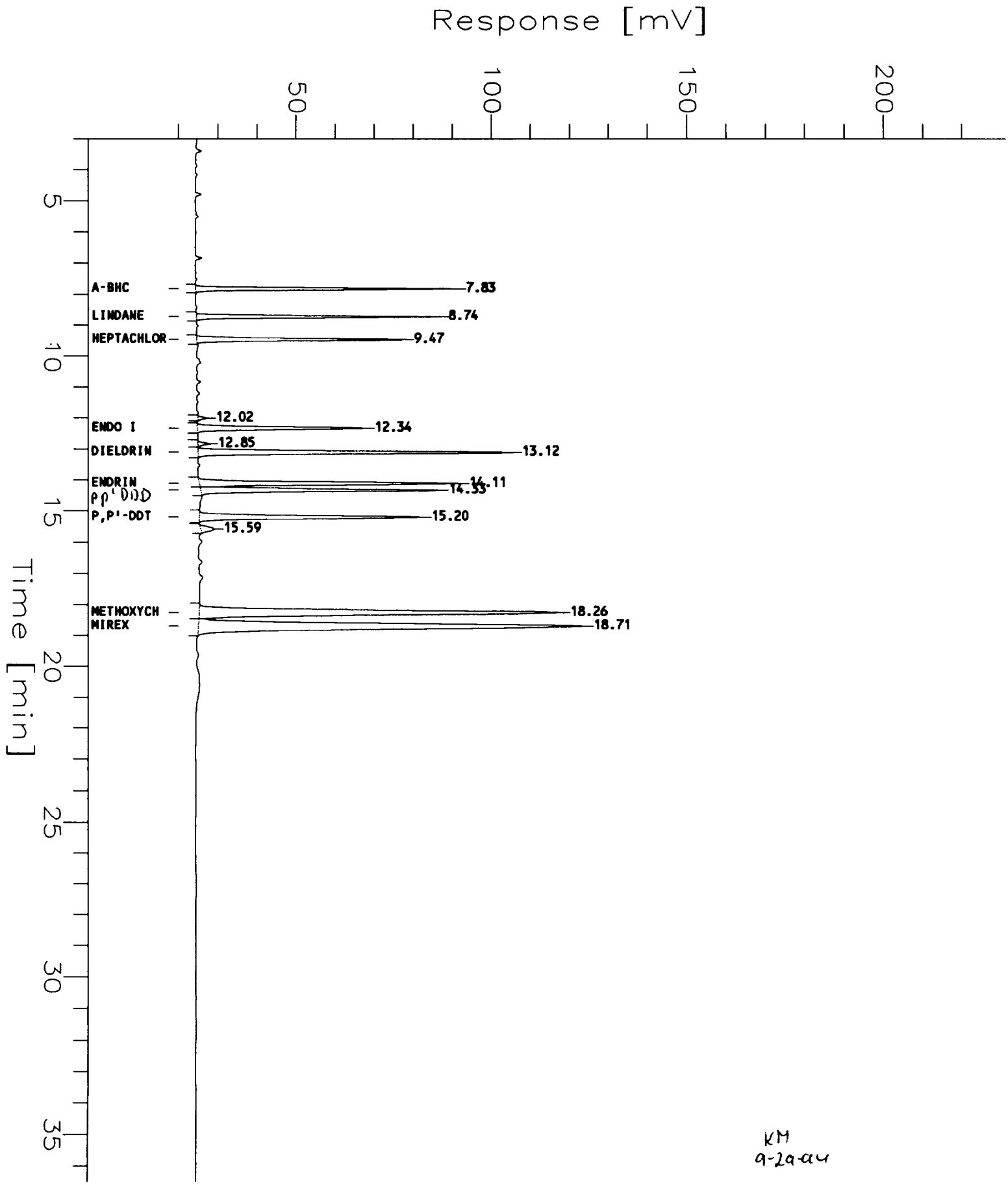
# Chromatogram

Sample Name : PEST A L3 #1
FileName : C:\2700\DATA2\1AL_030.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 30
Date : 9/28/94 12:45 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L3 #2 Time : 9/29/94 09:02 AM
Sample Number: 37 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:13 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_037.raw
Result File : C:\2700\DATA2\1AL_037.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 4 | 7.83 | a-BHC | 0.0128 | 323926 | 67919 | MIREX | 2.5393e7 |
| 5 | 8.74 | LINDANE | 0.0129 | 307529 | 64858 | MIREX | 2.3871e7 |
| 6 | 9.47 | HEPTACHLOR | 0.0134 | 300866 | 55349 | MIREX | 2.2523e7 |
| 11 | 12.33 | ENDO I | 0.0135 | 288443 | 44963 | MIREX | 2.1322e7 |
| 13 | 13.11 | DIELDRIN | 0.0262 | 530309 | 83645 | MIREX | 2.0236e7 |
| 14 | 14.11 | ENDRIN | 0.0277 | 480964 | 71416 | MIREX | 1.7372e7 |
| 15 | 14.33 | p,p'-DDD | 0.0291 | 416376 | 64296 | MIREX | 1.4310e7 |
| 16 | 15.20 | p,p'-DDT | 0.0295 | 430447 | 59878 | MIREX | 1.4574e7 |
| 18 | 18.26 | METHOXYCHLOR | 0.1461 | 952419 | 95308 | MIREX | 6.5183e6 |
| 19 | 18.70 | MIREX | 0.0000 | 1207498 | 100491 | MIREX | ------- |
| | | | 0.3112 | 5238774 | 708122 | | 1.6612e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

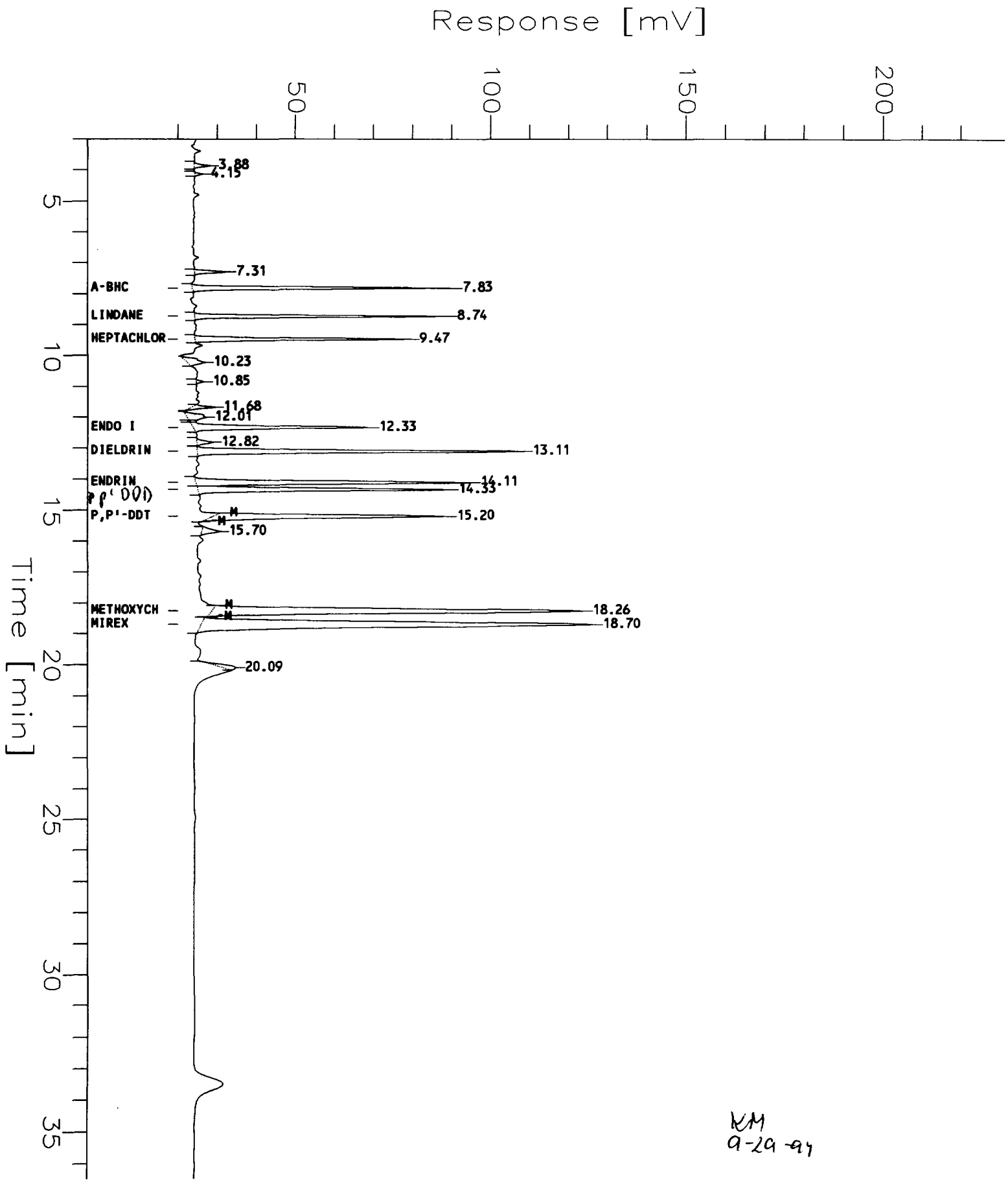
# Chromatogram

Sample Name : PEST A L3 #2
FileName : C:\2700\DATA2\1AL_037.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 37
Date : 9/29/94 09:02 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



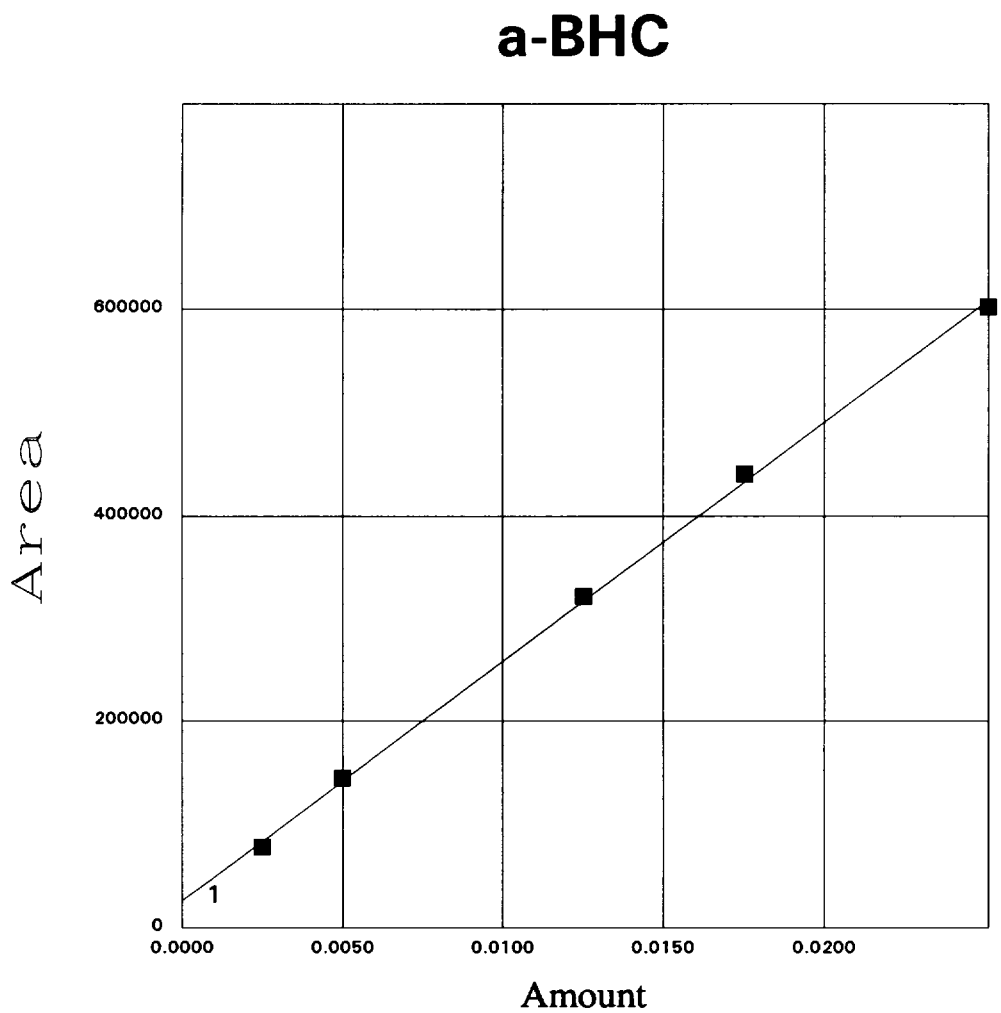

KM
9-29-94

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:17 AM

Curve Parameters:

PRIMARY COLUMN

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999178
Calibration Curve = (27028.689453) + (23274736.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:17 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999178

Calibration Curve = (27028.689453) + (23274736.000000)X

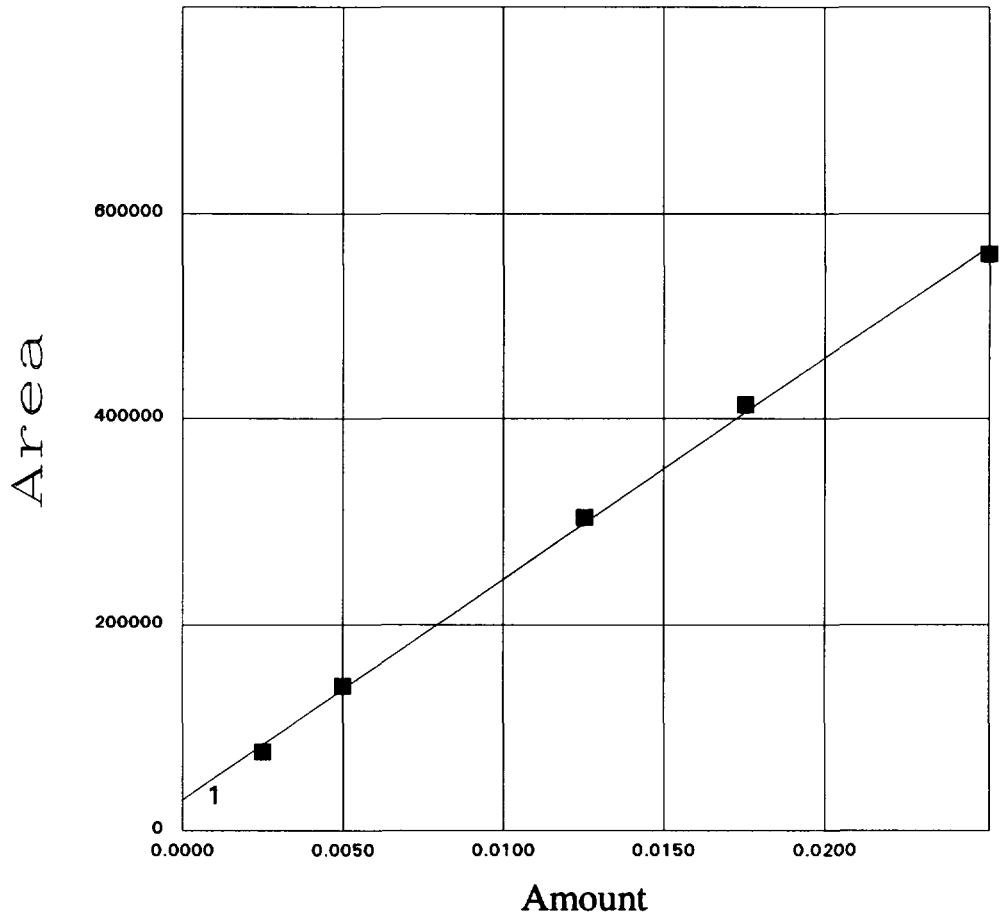
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002227 | 0.000273 | 10.916 | 78864.000000 | 85215.531250 | -6351.531250 | -8.054 |
| 2 | 0.005000 | 0.005095 | -0.000095 | -1.907 | 145621.500000 | 143402.375000 | 2219.125000 | 1.524 |
| 3 | 0.012500 | 0.012659 | -0.000159 | -1.271 | 321661.000000 | 317962.906250 | 3698.093750 | 1.150 |
| 4 | 0.017500 | 0.017800 | -0.000300 | -1.712 | 441310.000000 | 434336.562500 | 6973.437500 | 1.580 |
| 5 | 0.025000 | 0.024719 | 0.000281 | 1.124 | 602358.000000 | 608897.125000 | -6539.125000 | -1.086 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998790
Calibration Curve = (30210.671875) + (21526568.000000)X

# LINDANE



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998790

Calibration Curve = (30210.671875) + (21526568.000000)X

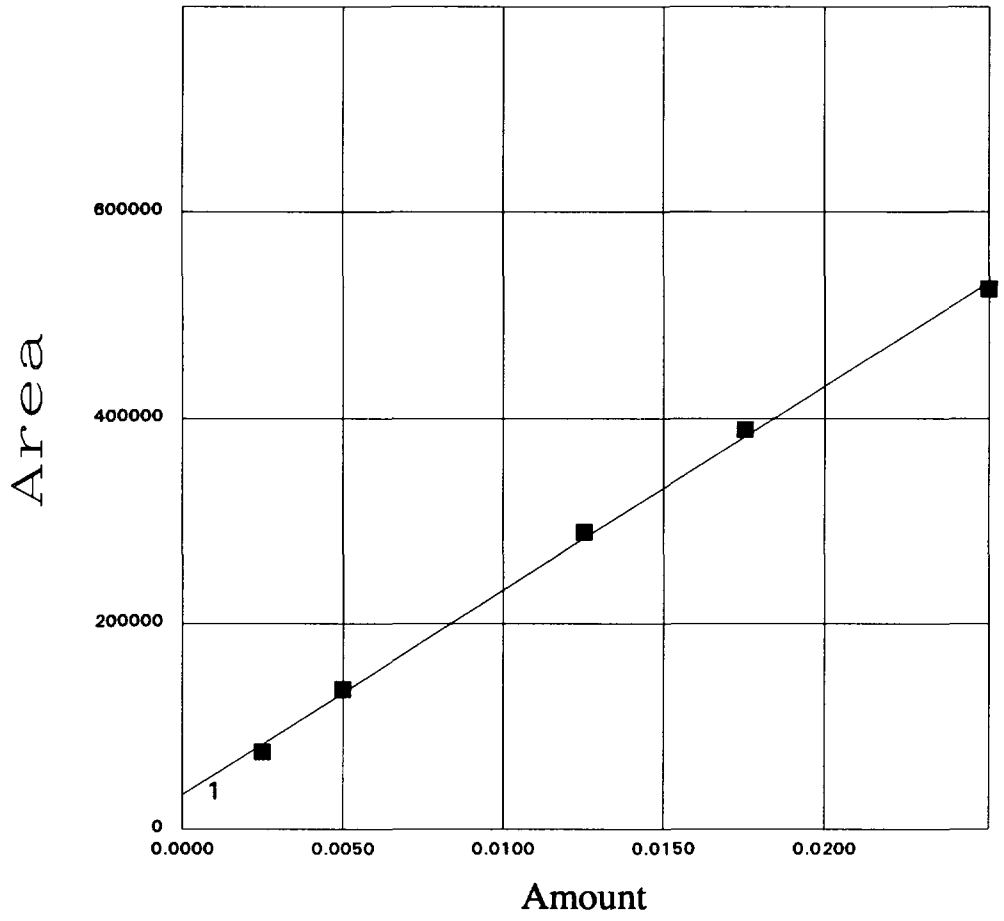
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002153 | 0.000347 | 13.897 | 76548.000000 | 84027.093750 | -7479.093750 | -9.771 |
| 2 | 0.005000 | 0.005118 | -0.000118 | -2.368 | 140392.000000 | 137843.515625 | 2548.484375 | 1.815 |
| 3 | 0.012500 | 0.012744 | -0.000244 | -1.952 | 304544.000000 | 299292.781250 | 5251.218750 | 1.724 |
| 4 | 0.017500 | 0.017820 | -0.000320 | -1.829 | 413815.000000 | 406925.625000 | 6889.375000 | 1.665 |
| 5 | 0.025000 | 0.024665 | 0.000335 | 1.340 | 561165.000000 | 568374.937500 | -7209.937500 | -1.285 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998575
Calibration Curve = (34692.007813) + (19926054.000000)X

# HEPTACHLOR



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998575

Calibration Curve = (34692.007813) + (19926054.000000)X

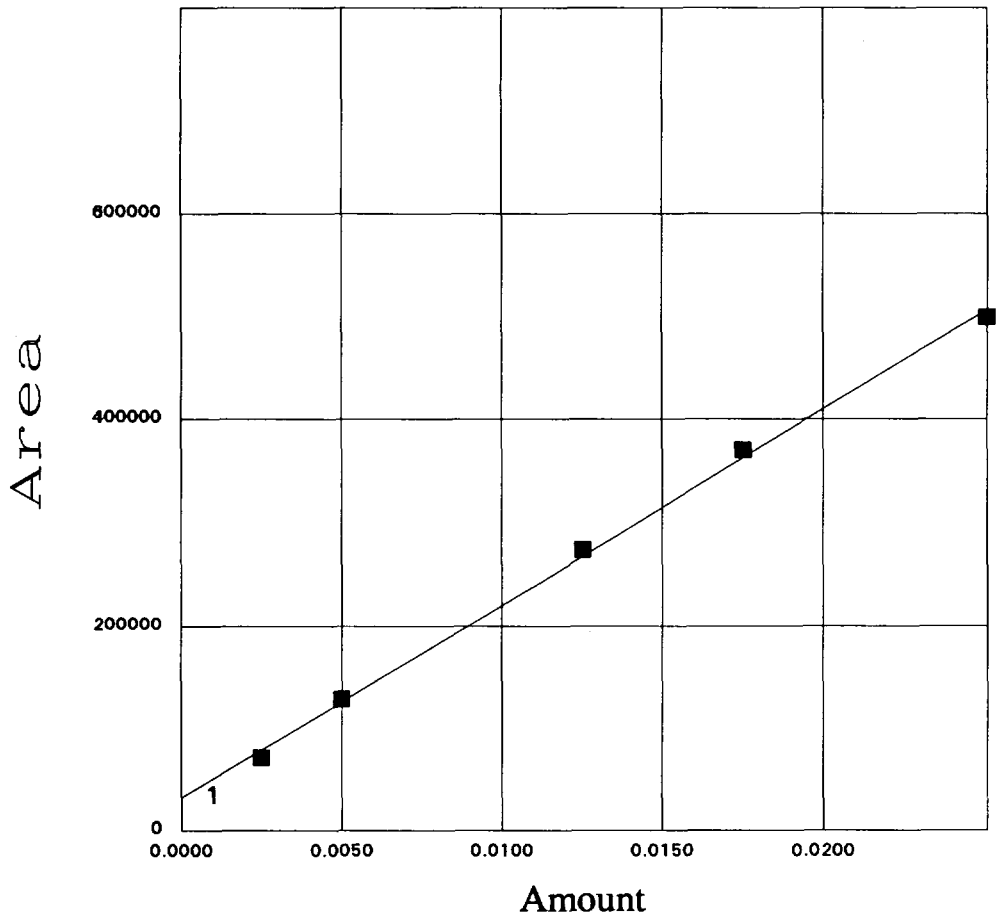
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002095 | 0.000405 | 16.204 | 76435.000000 | 84507.148438 | -8072.148438 | -10.561 |
| 2 | 0.005000 | 0.005170 | -0.000170 | -3.401 | 137711.000000 | 134322.281250 | 3388.718750 | 2.461 |
| 3 | 0.012500 | 0.012772 | -0.000272 | -2.176 | 289188.000000 | 283767.718750 | 5420.281250 | 1.874 |
| 4 | 0.017500 | 0.017808 | -0.000308 | -1.763 | 389544.000000 | 383397.968750 | 6146.031250 | 1.578 |
| 5 | 0.025000 | 0.024655 | 0.000345 | 1.382 | 525960.500000 | 532843.375000 | -6882.875000 | -1.309 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998287
Calibration Curve = (31626.861328) + (18984258.000000)X

# ENDO I



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998287

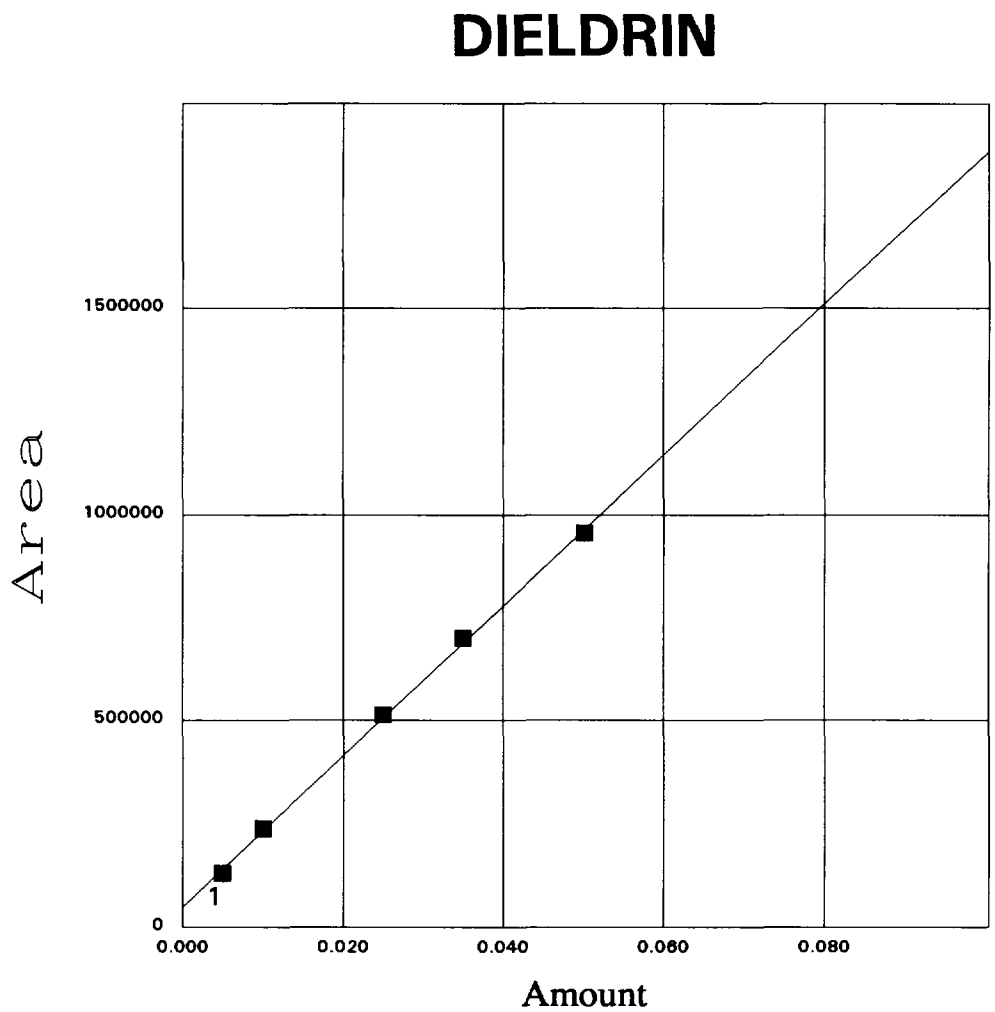
Calibration Curve = (31626.861328) + (18984258.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002083 | 0.000417 | 16.662 | 71179.500000 | 79087.507813 | -7908.007813 | -11.110 |
| 2 | 0.005000 | 0.005133 | -0.000133 | -2.659 | 129072.000000 | 126548.156250 | 2523.843750 | 1.955 |
| 3 | 0.012500 | 0.012824 | -0.000324 | -2.590 | 275076.000000 | 268930.093750 | 6145.906250 | 2.234 |
| 4 | 0.017500 | 0.017856 | -0.000356 | -2.032 | 370602.000000 | 363851.375000 | 6750.625000 | 1.822 |
| 5 | 0.025000 | 0.024604 | 0.000396 | 1.583 | 498721.000000 | 506233.343750 | -7512.343750 | -1.506 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999108
Calibration Curve = (49575.980469) + (18344620.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999108

Calibration Curve = (49575.980469) + (18344620.000000)X

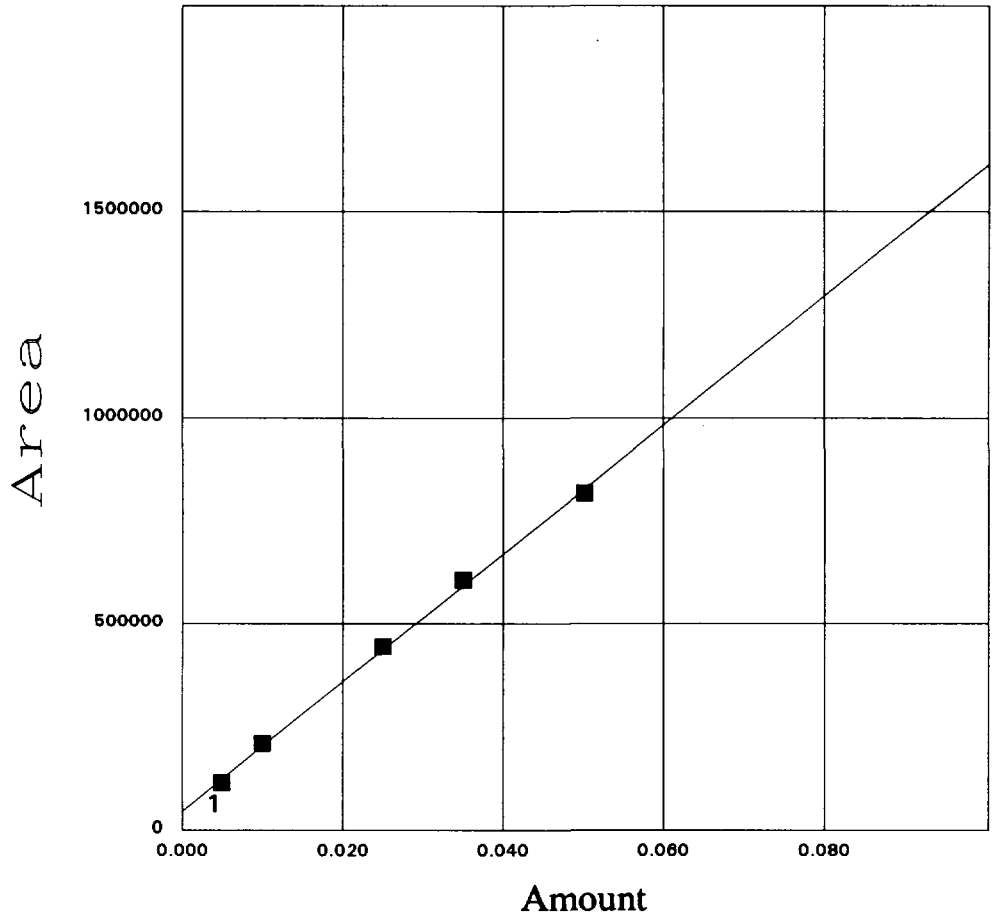
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004398 | 0.000602 | 12.047 | 130249.000000 | 141299.093750 | -11050.093750 | -8.484 |
| 2 | 0.010000 | 0.010244 | -0.000244 | -2.439 | 237496.000000 | 233022.187500 | 4473.812500 | 1.884 |
| 3 | 0.025000 | 0.025344 | -0.000344 | -1.375 | 514497.437500 | 508191.531250 | 6305.906250 | 1.226 |
| 4 | 0.035000 | 0.035584 | -0.000584 | -1.668 | 702348.000000 | 691637.687500 | 10710.312500 | 1.525 |
| 5 | 0.050000 | 0.049431 | 0.000569 | 1.138 | 956367.187500 | 966807.062500 | -10439.875000 | -1.092 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:18 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998605
Calibration Curve = (47088.046875) + (15671370.000000)X

# ENDRIN



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:19 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998605

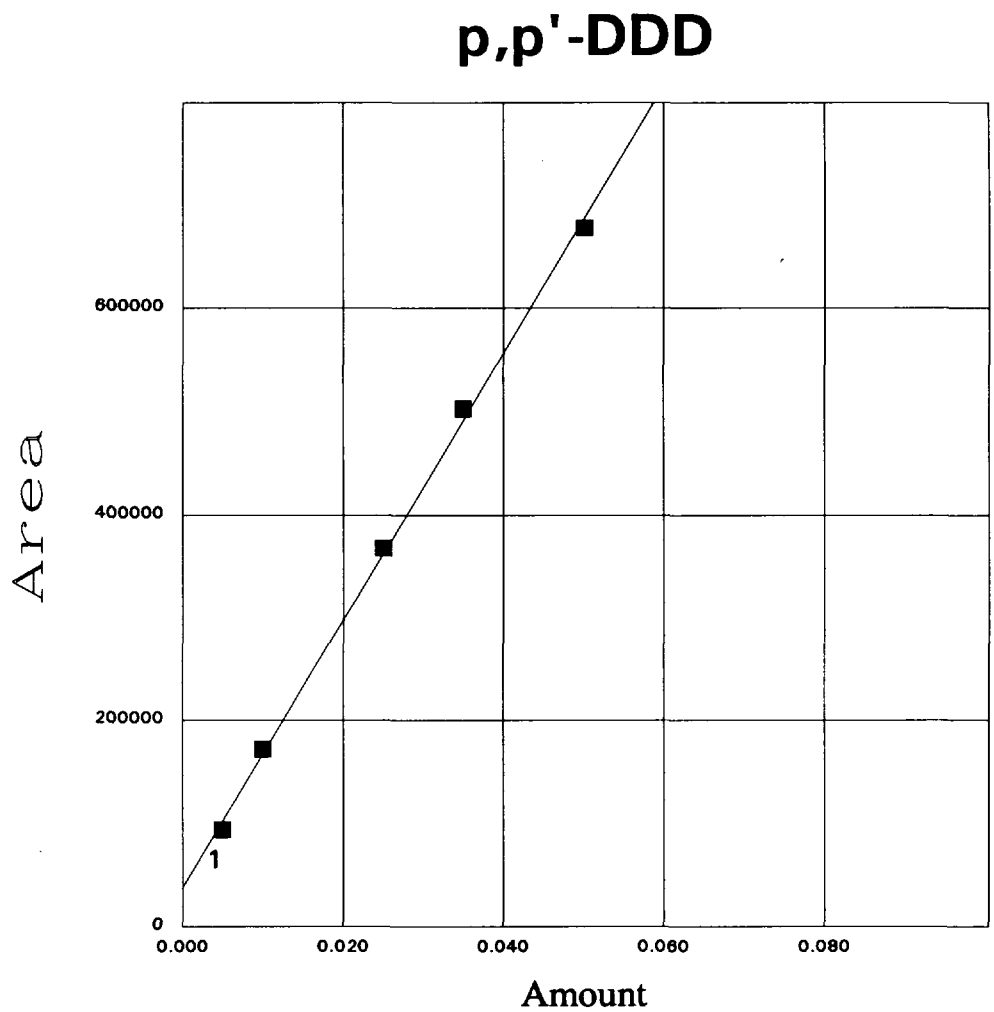
Calibration Curve = (47088.046875) + (15671370.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004264 | 0.000736 | 14.719 | 113911.625000 | 125444.906250 | -11533.281250 | -10.125 |
| 2 | 0.010000 | 0.010305 | -0.000305 | -3.050 | 208581.031250 | 203801.765625 | 4779.265625 | 2.291 |
| 3 | 0.025000 | 0.025372 | -0.000372 | -1.486 | 444695.125000 | 438872.343750 | 5822.781250 | 1.309 |
| 4 | 0.035000 | 0.035775 | -0.000775 | -2.215 | 607736.437500 | 595586.000000 | 12150.437500 | 1.999 |
| 5 | 0.050000 | 0.049284 | 0.000716 | 1.432 | 819437.375000 | 830656.625000 | -11219.250000 | -1.369 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:19 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998589
Calibration Curve = (39077.179688) + (12967555.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:19 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998589

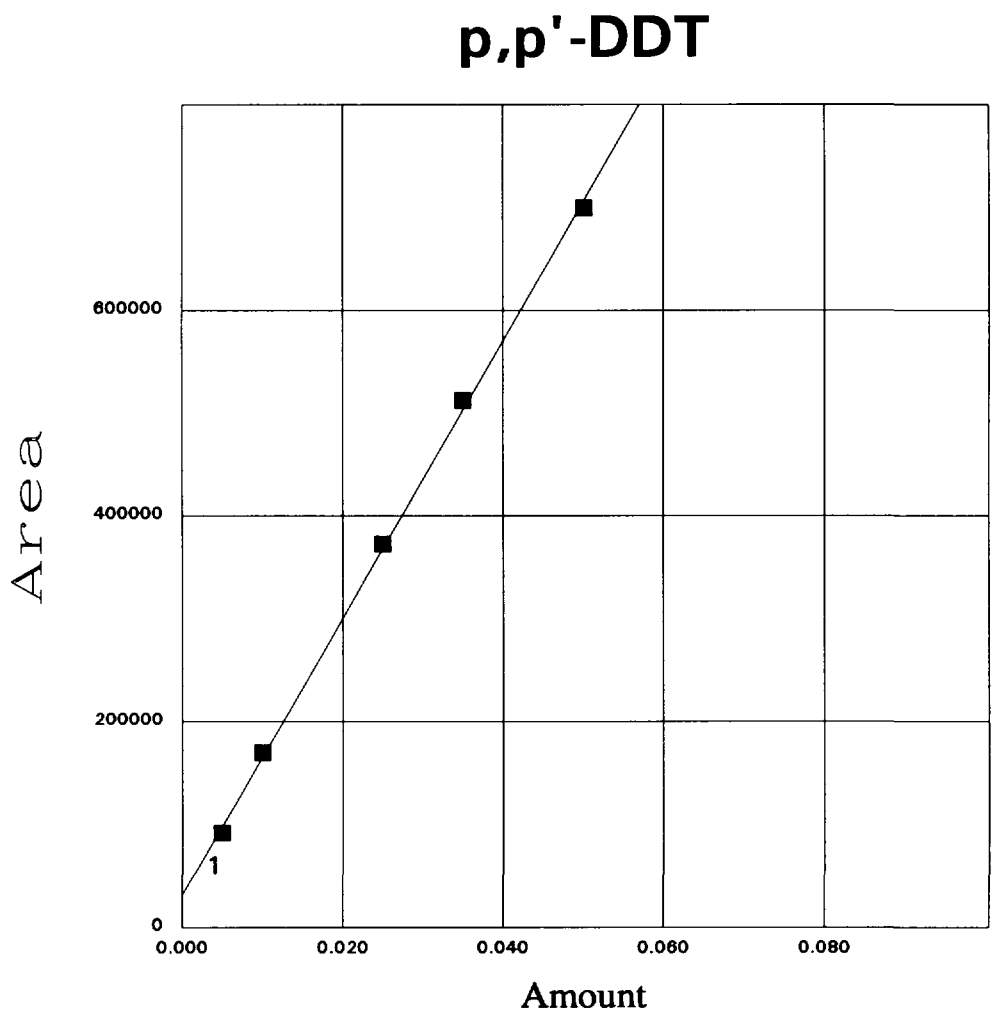
Calibration Curve = (39077.179688) + (12967555.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004281 | 0.000719 | 14.384 | 94588.406250 | 103914.960938 | -9326.554688 | -9.860 |
| 2 | 0.010000 | 0.010272 | -0.000272 | -2.719 | 172278.968750 | 168752.734375 | 3526.234375 | 2.047 |
| 3 | 0.025000 | 0.025381 | -0.000381 | -1.524 | 368205.875000 | 363266.093750 | 4939.781250 | 1.342 |
| 4 | 0.035000 | 0.035798 | -0.000798 | -2.279 | 503285.062500 | 492941.593750 | 10343.468750 | 2.055 |
| 5 | 0.050000 | 0.049269 | 0.000731 | 1.463 | 677972.125000 | 687455.000000 | -9482.875000 | -1.399 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:19 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999202
Calibration Curve = (31749.943359) + (13499585.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:19 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999202

Calibration Curve = (31749.943359) + (13499585.000000)X

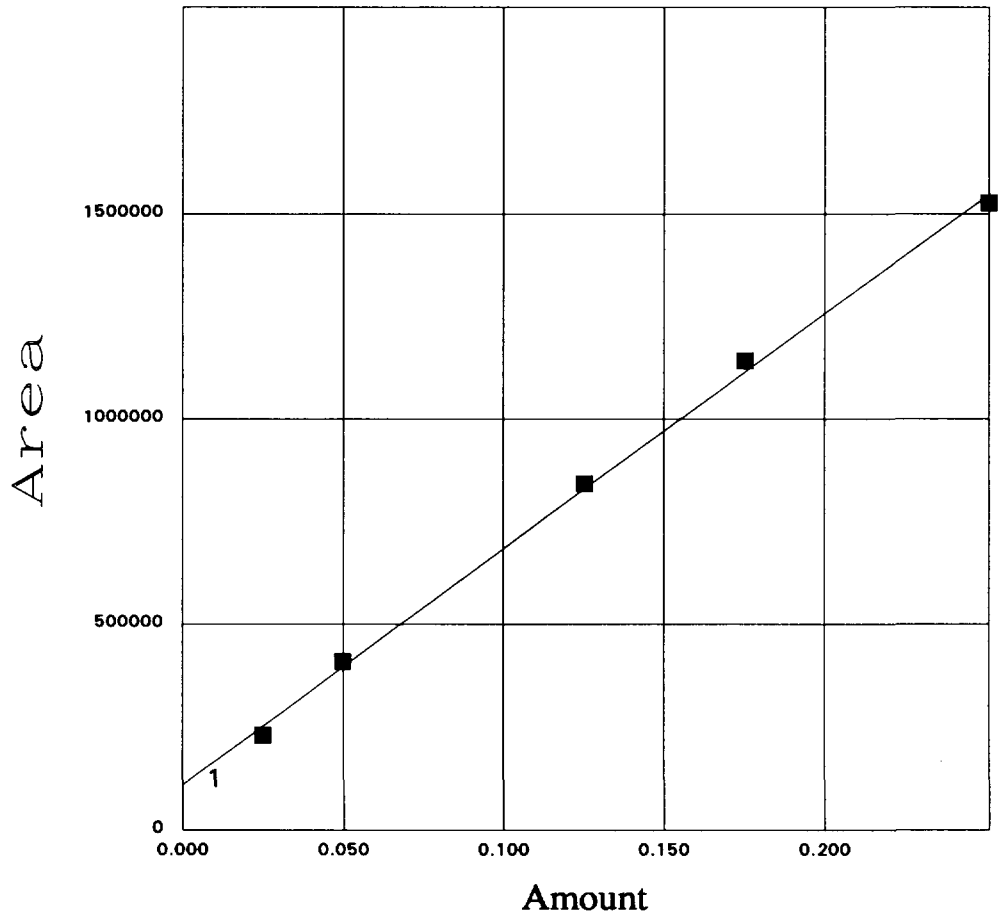
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004447 | 0.000553 | 11.055 | 91786.000000 | 99247.875000 | -7461.875000 | -8.130 |
| 2 | 0.010000 | 0.010246 | -0.000246 | -2.460 | 170067.000000 | 166745.796875 | 3321.203125 | 1.953 |
| 3 | 0.025000 | 0.025238 | -0.000238 | -0.950 | 372446.000000 | 369239.593750 | 3206.406250 | 0.861 |
| 4 | 0.035000 | 0.035606 | -0.000606 | -1.732 | 512420.500000 | 504235.406250 | 8185.093750 | 1.597 |
| 5 | 0.050000 | 0.049463 | 0.000537 | 1.074 | 699478.437500 | 706729.250000 | -7250.812500 | -1.037 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:19 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998308
Calibration Curve = (112889.523438) + (5745729.500000)X

# METHOXYCHLOR



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:19 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998308

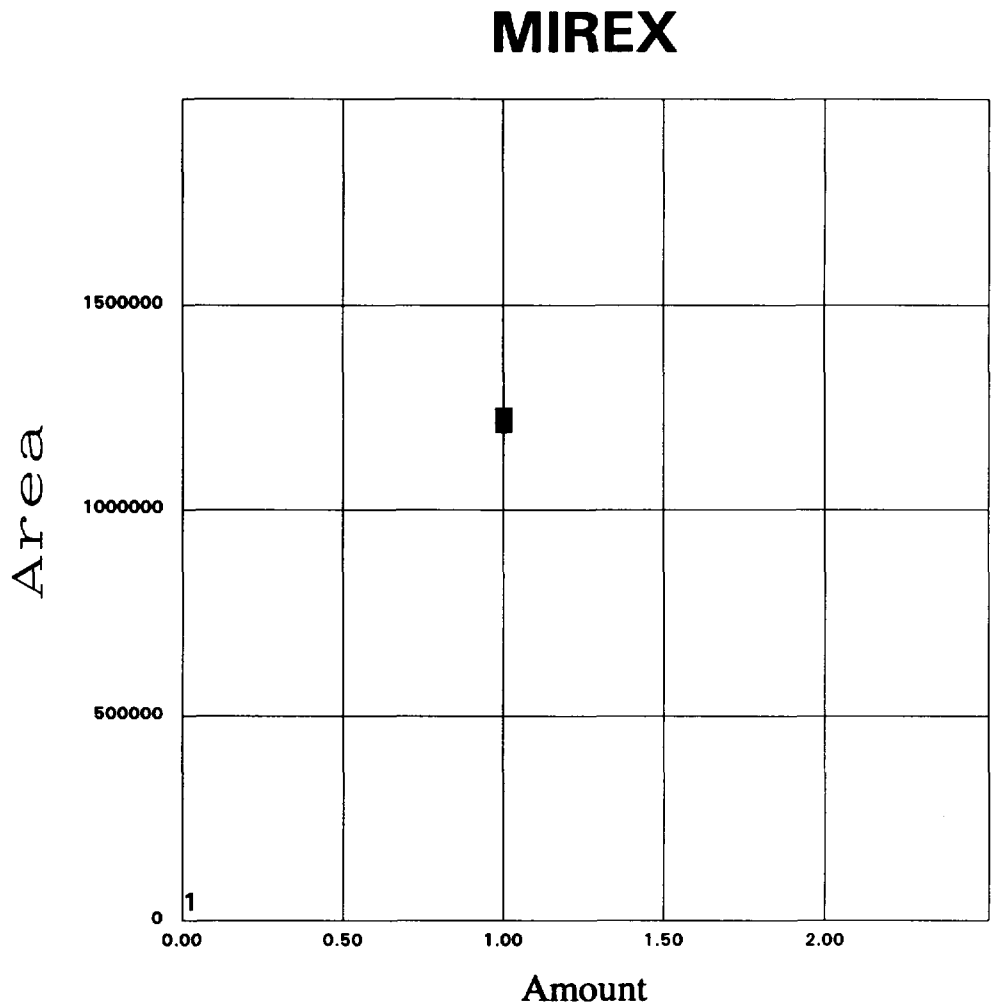
Calibration Curve = (112889.523438) + (5745729.500000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.025000 | 0.020827 | 0.004173 | 16.692 | 232555.312500 | 256532.781250 | -23977.468750 | -10.310 |
| 2 | 0.050000 | 0.052026 | -0.002026 | -4.052 | 411816.125000 | 400176.031250 | 11640.093750 | 2.827 |
| 3 | 0.125000 | 0.126716 | -0.001716 | -1.373 | 840967.437500 | 831105.687500 | 9861.750000 | 1.173 |
| 4 | 0.175000 | 0.179256 | -0.004256 | -2.432 | 1142848.250000 | 1118392.125000 | 24456.125000 | 2.140 |
| 5 | 0.250000 | 0.246175 | 0.003826 | 1.530 | 1527341.625000 | 1549321.875000 | -21980.250000 | -1.439 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:19 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000
Calibration Curve = (0.000000) + (0.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTA.SMP"
Date: 9/27/94 Time: 10:20 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000

Calibration Curve = (0.000000) + (0.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 1.000000 | ---------- | ---------- | ------- | 1212416.750000 | 0.000000 | 1.212416e6 | 100.000 |
| 2 | 1.000000 | ---------- | ---------- | ------- | 1209442.875000 | 0.000000 | 1.209442e6 | 100.000 |
| 3 | 1.000000 | ---------- | ---------- | ------- | 1210766.000000 | 0.000000 | 1.210766e6 | 100.000 |
| 4 | 1.000000 | ---------- | ---------- | ------- | 1223899.750000 | 0.000000 | 1.223899e6 | 100.000 |
| 5 | 1.000000 | ---------- | ---------- | ------- | 1230343.375000 | 0.000000 | 1.230343e6 | 100.000 |

Software Version: 3.1 <2A23>
Sample Name : PEST A L1 Time : 9/27/94 03:15 PM
Sample Number: 5 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 06:17 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_005.raw
Result File : C:\2700\DATA2\2AL_005.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.37 | a-BHC | 0.0022 | 61552 | 12305 | MIREX | 2.8485e7 |
| 2 | 9.09 | LINDANE | 0.0021 | 60272 | 12109 | MIREX | 2.8385e7 |
| 3 | 10.69 | HEPTACHLOR | 0.0021 | 52127 | 9672 | MIREX | 2.4825e7 |
| 4 | 13.34 | ENDO I | 0.0022 | 43675 | 7016 | MIREX | 1.9668e7 |
| 5 | 14.02 | DIELDRIN | 0.0048 | 127205 | 19954 | MIREX | 2.6764e7 |
| 6 | 14.63 | ENDRIN | 0.0047 | 114790 | 17658 | MIREX | 2.4307e7 |
| 7 | 14.87 | p,p'-DDD | 0.0040 | 94905 | 14405 | MIREX | 2.3554e7 |
| 8 | 15.96 | p,p'-DDT | 0.0051 | 117639 | 16727 | MIREX | 2.2886e7 |
| 9 | 17.77 | METHOXYCHLOR | 0.0205 | 285300 | 31009 | MIREX | 1.3923e7 |
| 10 | 20.22 | MIREX | 0.0000 | 989449 | 77756 | MIREX | ------- |
| | | | 0.0477 | 1946914 | 218610 | | 2.1280e8 |

Missing Component Report
Component Expected Retention (Sample File)

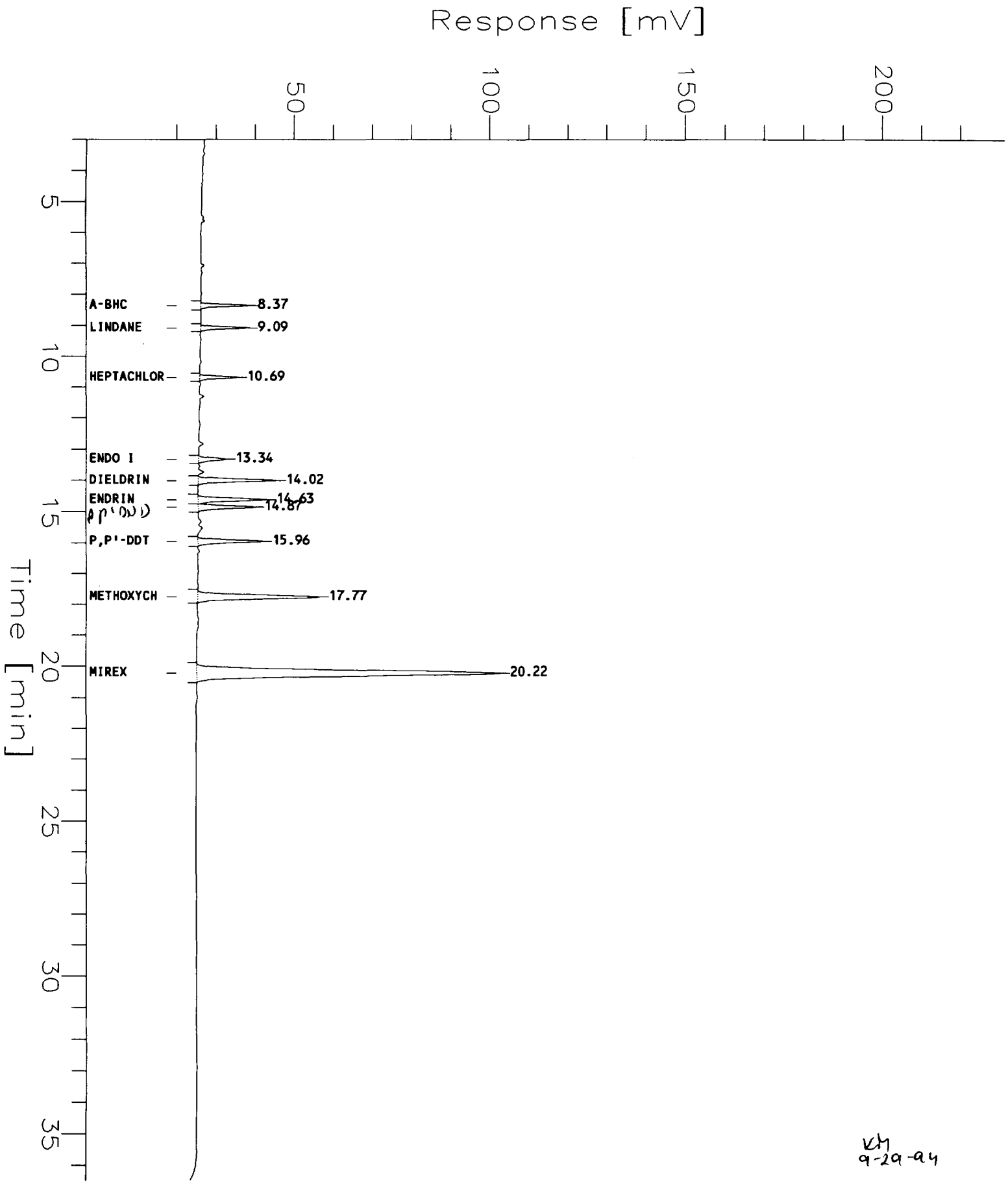
All Components Were Found

# Chromatogram

Sample Name : PEST A L1
FileName : C:\2700\DATA2\2AL_005.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 5
Date : 9/27/94 03:15 PM
Low Point : 20.00 mV High Point : 220.00 mV
Plot Scale: 200 mV






KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L2 Time : 9/27/94 03:15 PM
Sample Number: 6 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 07:01 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_006.raw
Result File : C:\2700\DATA2\2AL_006.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.37 | a-BHC | 0.0051 | 111758 | 22321 | MIREX | 2.1792e7 |
| 2 | 9.09 | LINDANE | 0.0052 | 110085 | 21872 | MIREX | 2.1394e7 |
| 3 | 10.69 | HEPTACHLOR | 0.0052 | 93722 | 17240 | MIREX | 1.8138e7 |
| 4 | 13.34 | ENDO I | 0.0052 | 81997 | 12979 | MIREX | 1.5870e7 |
| 6 | 14.02 | DIELDRIN | 0.0101 | 250349 | 39523 | MIREX | 2.4890e7 |
| 7 | 14.63 | ENDRIN | 0.0101 | 228804 | 35072 | MIREX | 2.2682e7 |
| 8 | 14.87 | p,p'-DDD | 0.0102 | 177020 | 26379 | MIREX | 1.7292e7 |
| 9 | 15.96 | p,p'-DDT | 0.0100 | 237503 | 33656 | MIREX | 2.3659e7 |
| 10 | 17.77 | METHOXYCHLOR | 0.0512 | 526334 | 56332 | MIREX | 1.0280e7 |
| 11 | 20.22 | MIREX | 0.0000 | 987488 | 77419 | MIREX | ------- |
| | | | 0.1122 | 2805059 | 342793 | | 1.7600e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

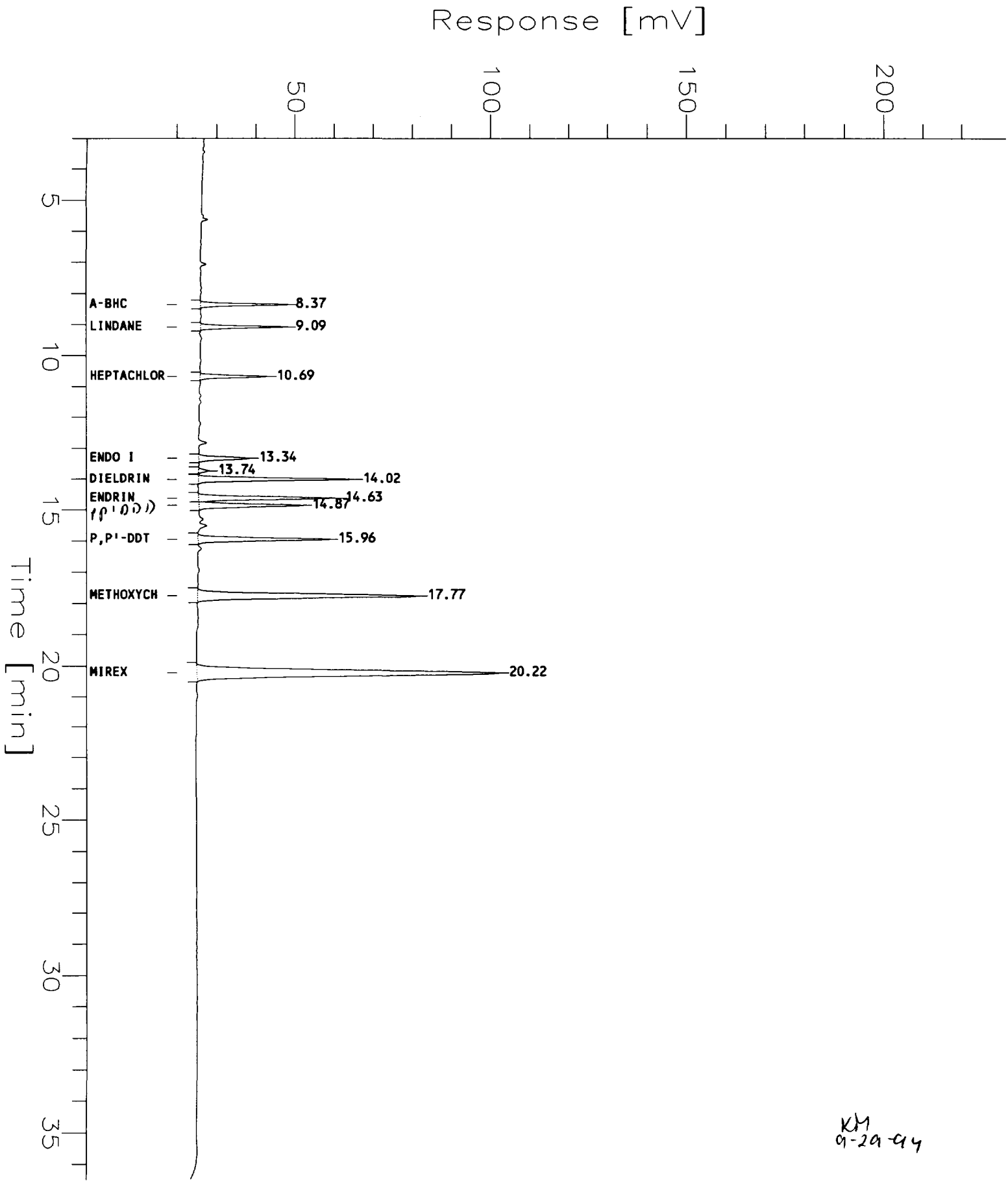
# Chromatogram

Sample Name : PEST A L2
FileName : C:\2700\DATA2\2AL_006.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 6
Date : 9/27/94 03:15 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L3 Time : 9/27/94 03:16 PM
Sample Number: 7 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 07:44 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_007.raw
Result File : C:\2700\DATA2\2AL_007.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 8.37 | a-BHC | 0.0127 | 240168 | 47603 | MIREX | 1.8883e7 |
| 4 | 9.09 | LINDANE | 0.0128 | 235378 | 46540 | MIREX | 1.8464e7 |
| 5 | 10.69 | HEPTACHLOR | 0.0127 | 196327 | 35957 | MIREX | 1.5418e7 |
| 7 | 13.34 | ENDO I | 0.0126 | 178606 | 28057 | MIREX | 1.4182e7 |
| 9 | 14.02 | DIELDRIN | 0.0250 | 597064 | 94374 | MIREX | 2.3886e7 |
| 10 | 14.63 | ENDRIN | 0.0249 | 544434 | 83198 | MIREX | 2.1831e7 |
| 11 | 14.87 | p,p'-DDD | 0.0258 | 382770 | 56269 | MIREX | 1.4841e7 |
| 13 | 15.96 | p,p'-DDT | 0.0246 | 592556 | 83549 | MIREX | 2.4138e7 |
| 14 | 17.77 | METHOXYCHLOR | 0.1284 | 1131983 | 118980 | MIREX | 8.8194e6 |
| 15 | 20.22 | MIREX | 0.0000 | 981912 | 76988 | MIREX | ------- |
| | | | 0.2794 | 5081196 | 671516 | | 1.6046e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

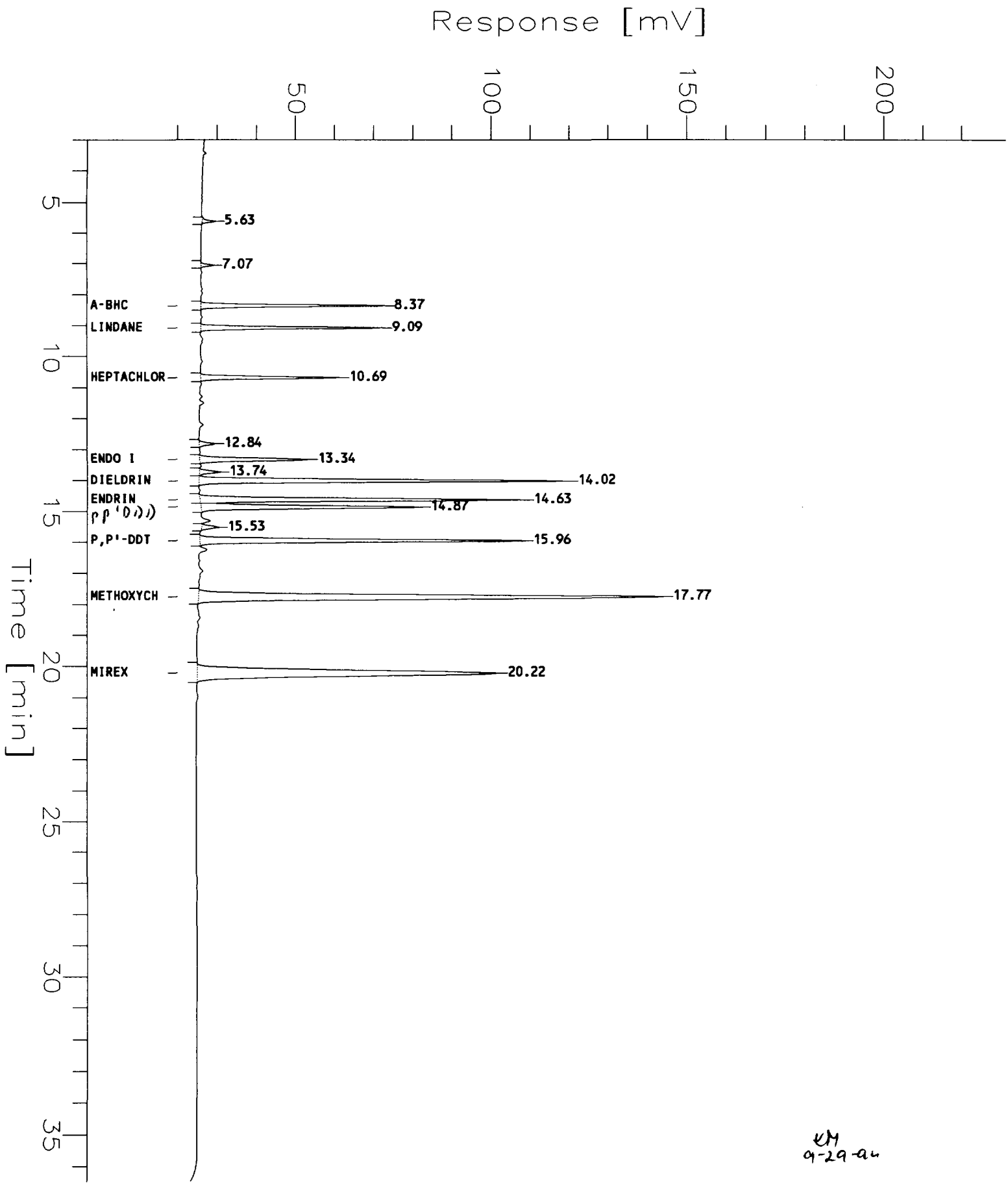
# Chromatogram

Sample Name : PEST A L3
FileName : C:\2700\DATA2\2AL_007.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 7
Date : 9/27/94 03:16 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L4 Time : 9/27/94 03:16 PM
Sample Number: 8 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 08:27 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_008.raw
Result File : C:\2700\DATA2\2AL_008.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 8.37 | a-BHC | 0.0178 | 326340 | 64931 | MIREX | 1.8321e7 |
| 4 | 9.09 | LINDANE | 0.0178 | 319145 | 63209 | MIREX | 1.7899e7 |
| 5 | 10.69 | HEPTACHLOR | 0.0179 | 265937 | 48455 | MIREX | 1.4884e7 |
| 7 | 13.34 | ENDO I | 0.0177 | 245542 | 38541 | MIREX | 1.3841e7 |
| 9 | 14.02 | DIELDRIN | 0.0356 | 843052 | 131349 | MIREX | 2.3685e7 |
| 10 | 14.63 | ENDRIN | 0.0357 | 773242 | 117863 | MIREX | 2.1657e7 |
| 11 | 14.87 | p,p'-DDD | 0.0360 | 517350 | 75961 | MIREX | 1.4385e7 |
| 14 | 15.96 | p,p'-DDT | 0.0352 | 853946 | 120174 | MIREX | 2.4239e7 |
| 15 | 17.77 | METHOXYCHLOR | 0.1798 | 1535488 | 162109 | MIREX | 8.5422e6 |
| 16 | 20.22 | MIREX | 0.0000 | 992881 | 78025 | MIREX | ------- |
| | | | 0.3935 | 6672921 | 900616 | | 1.5745e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

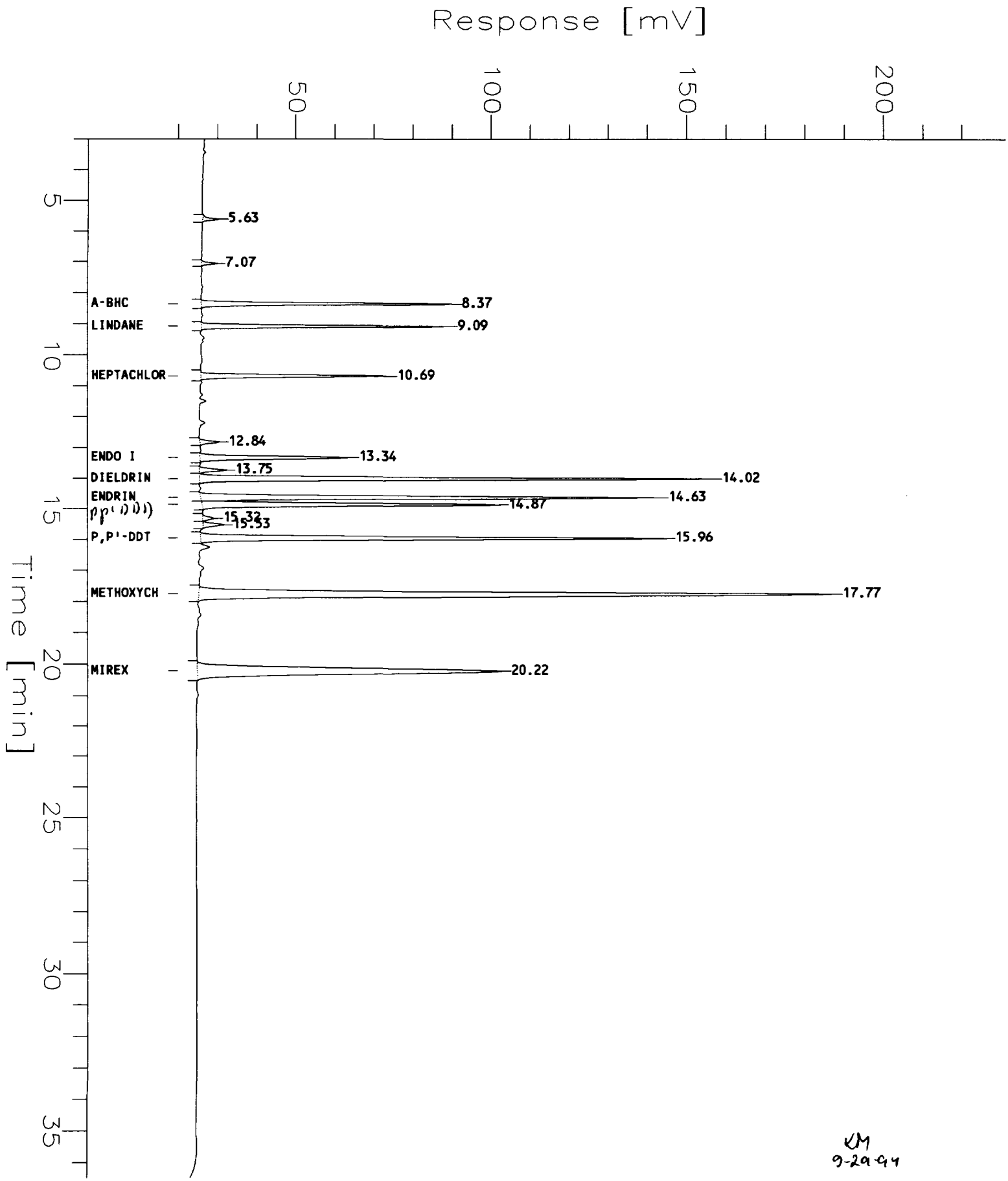
# Chromatogram

Sample Name : PEST A L4
FileName : C:\2700\DATA2\2AL_008.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 8
Date : 9/27/94 03:17 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L5 Time : 9/27/94 03:17 PM
Sample Number: 9 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 09:10 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_009.raw
Result File : C:\2700\DATA2\2AL_009.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 8.37 | a-BHC | 0.0247 | 442562 | 87492 | MIREX | 1.7931e7 |
| 4 | 9.09 | LINDANE | 0.0247 | 431628 | 85330 | MIREX | 1.7507e7 |
| 5 | 10.69 | HEPTACHLOR | 0.0246 | 357698 | 65230 | MIREX | 1.4520e7 |
| 8 | 13.34 | ENDO I | 0.0248 | 337141 | 52362 | MIREX | 1.3604e7 |
| 10 | 14.02 | DIELDRIN | 0.0496 | 1168150 | 182709 | MIREX | 2.3551e7 |
| 11 | 14.63 | ENDRIN | 0.0496 | 1067492 | 161846 | MIREX | 2.1544e7 |
| 12 | 14.87 | p,p'-DDD | 0.0490 | 689527 | 100945 | MIREX | 1.4077e7 |
| 15 | 15.96 | p,p'-DDT | 0.0500 | 1216434 | 168834 | MIREX | 2.4307e7 |
| 17 | 17.77 | METHOXYCHLOR | 0.2452 | 2049322 | 215330 | MIREX | 8.3574e6 |
| 18 | 20.22 | MIREX | 0.0000 | 983835 | 76751 | MIREX | ------- |
| | | | 0.5421 | 8743786 | 1.e16 | | 1.5540e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

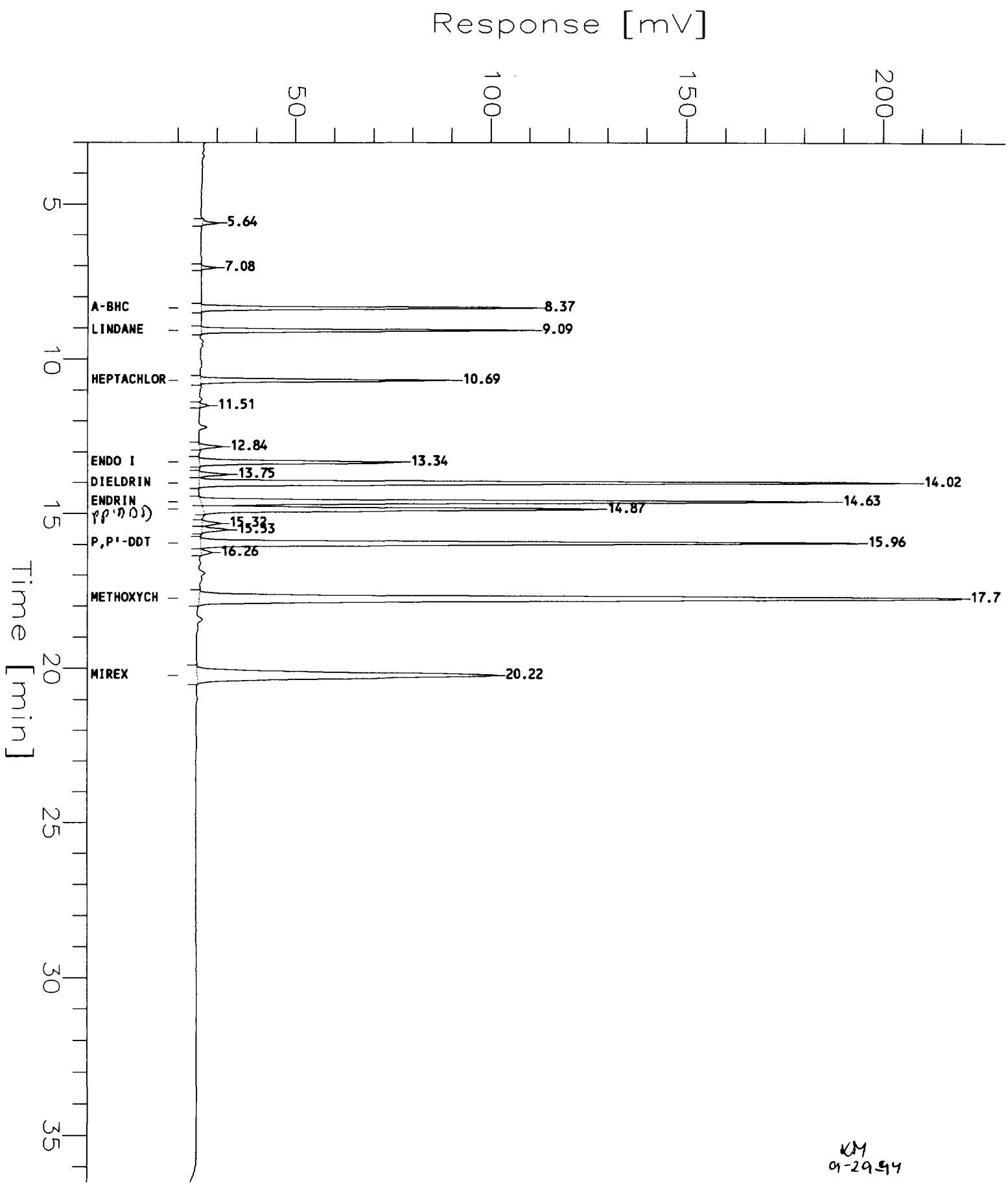
# Chromatogram

Sample Name : PEST A L5
FileName : C:\2700\DATA2\2AL_009.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 9
Date : 9/27/94 03:17 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L3 #1 Time : 9/29/94 12:00 PM
Sample Number: 31 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:56 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_031.raw
Result File : C:\2700\DATA2\2AL_031.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 8.37 | a-BHC | 0.0130 | 244929 | 48675 | MIREX | 1.8841e7 |
| 4 | 9.09 | LINDANE | 0.0130 | 239203 | 47496 | MIREX | 1.8429e7 |
| 5 | 10.69 | HEPTACHLOR | 0.0138 | 211042 | 38703 | MIREX | 1.5272e7 |
| 7 | 13.34 | ENDO I | 0.0139 | 196120 | 30445 | MIREX | 1.4069e7 |
| 9 | 14.02 | DIELDRIN | 0.0262 | 624207 | 98712 | MIREX | 2.3856e7 |
| 10 | 14.63 | ENDRIN | 0.0260 | 567688 | 87000 | MIREX | 2.1807e7 |
| 11 | 14.87 | p,p'-DDD | 0.0283 | 416435 | 61204 | MIREX | 1.4696e7 |
| 14 | 15.96 | p,p'-DDT | 0.0242 | 584517 | 82249 | MIREX | 2.4134e7 |
| 15 | 17.77 | METHOXYCHLOR | 0.1224 | 1085546 | 114645 | MIREX | 8.8663e6 |
| 16 | 20.22 | MIREX | 0.0000 | 962525 | 74546 | MIREX | ------- |
| | | | 0.2809 | 5132211 | 683673 | | 1.5997e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

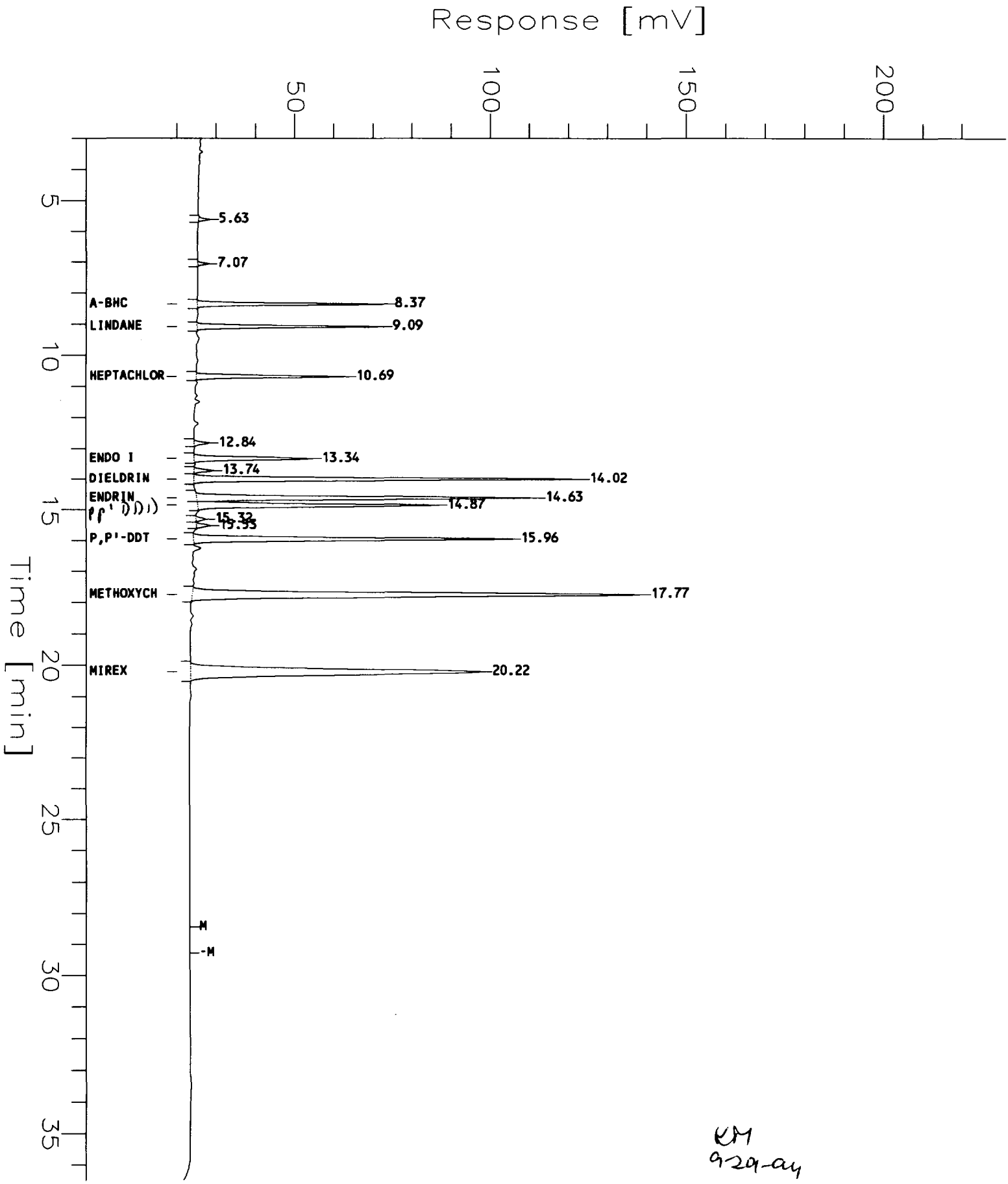
# Chromatogram

Sample Name : PEST A L3 #1
FileName : C:\2700\DATA2\2AL_031.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 31
Date : 9/29/94 12:00 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : PEST A L3 #2 Time : 9/29/94 12:05 PM
Sample Number: 38 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:56 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_038.raw
Result File : C:\2700\DATA2\2AL_038.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 4 | 8.37 | a-BHC | 0.0134 | 251865 | 49974 | MIREX | 1.8782e7 |
| 5 | 9.08 | LINDANE | 0.0135 | 247081 | 48843 | MIREX | 1.8360e7 |
| 6 | 10.69 | HEPTACHLOR | 0.0141 | 214566 | 39335 | MIREX | 1.5240e7 |
| 10 | 13.35 | ENDO I | 0.0128 | 181799 | 26760 | MIREX | 1.4160e7 |
| 13 | 14.02 | DIELDRIN | 0.0283 | 673668 | 103628 | MIREX | 2.3807e7 |
| 14 | 14.63 | ENDRIN | 0.0265 | 578374 | 93990 | MIREX | 2.1796e7 |
| 15 | 14.86 | p,p'-DDD | 0.0256 | 379679 | 60966 | MIREX | 1.4856e7 |
| 17 | 15.96 | p,p'-DDT | 0.0268 | 647626 | 91734 | MIREX | 2.4166e7 |
| 19 | 17.76 | METHOXYCHLOR | 0.1278 | 1127267 | 120003 | MIREX | 8.8240e6 |
| 20 | 20.22 | MIREX | 0.0000 | 980468 | 76116 | MIREX | ------- |
| | | | 0.2887 | 5282392 | 711348 | | 1.5999e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

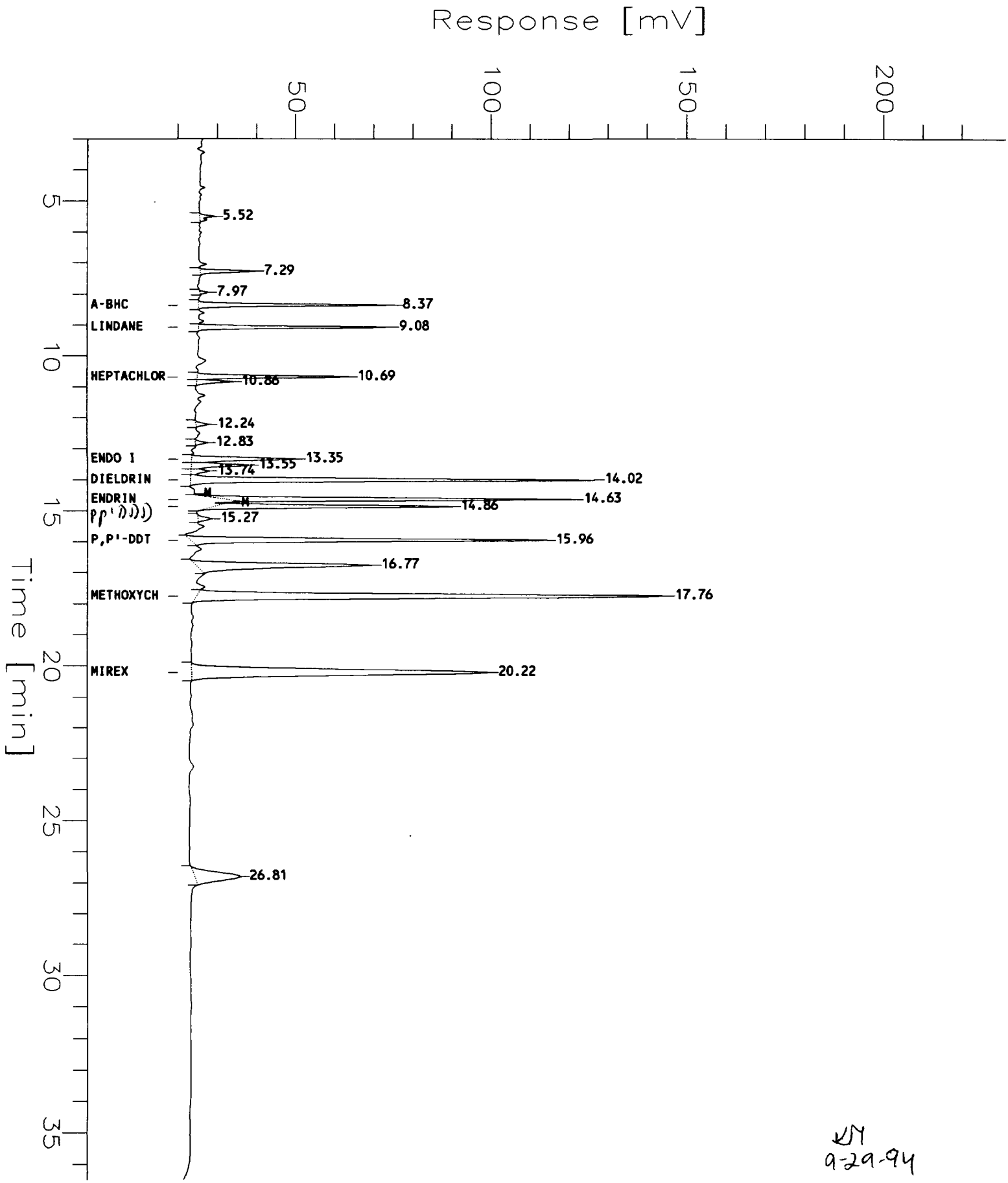
# Chromatogram

Sample Name : PEST A L3 #2
FileName : C:\2700\DATA2\2AL_038.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 38
Date : 9/29/94 12:06 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



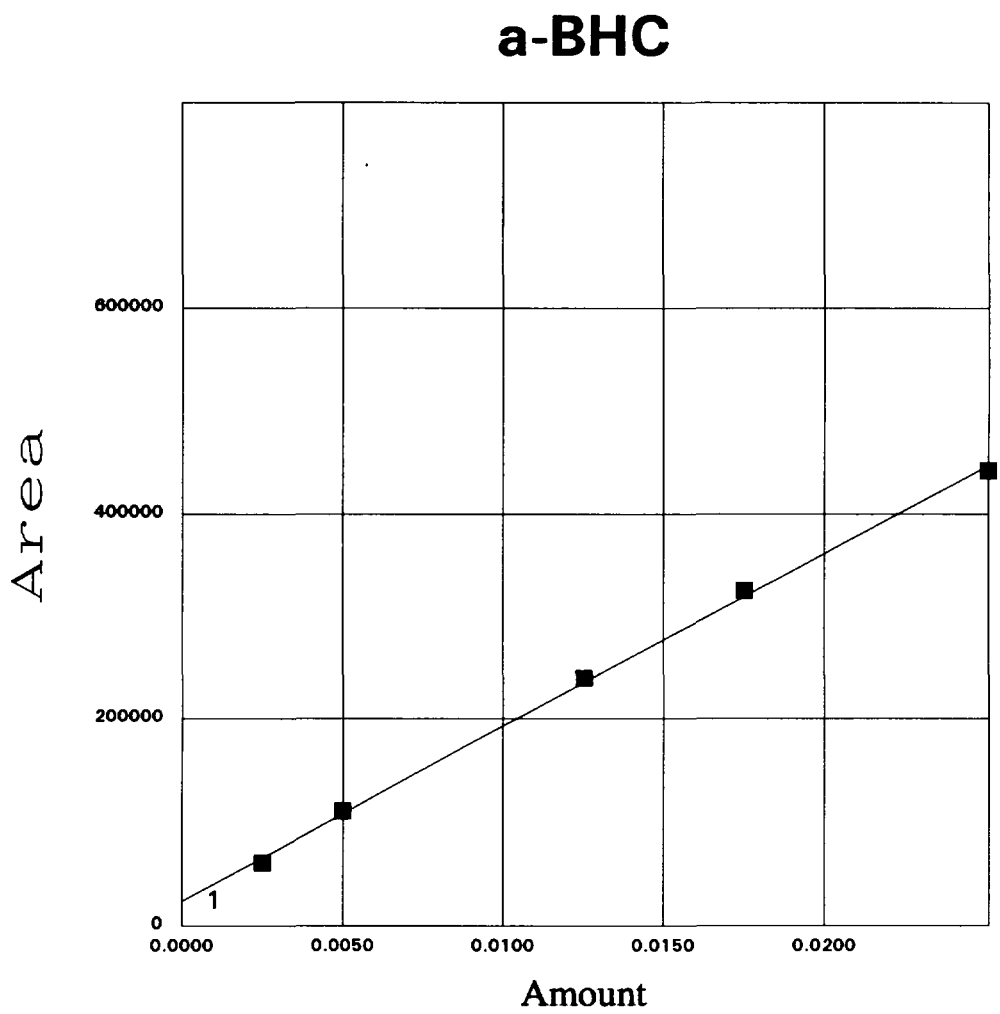

KM
9-29-94

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:55 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998882
Calibration Curve = (24993.386719) + (16918584.000000)X

SECONDARY COLUMN



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:56 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998882

Calibration Curve = (24993.386719) + (16918584.000000)X

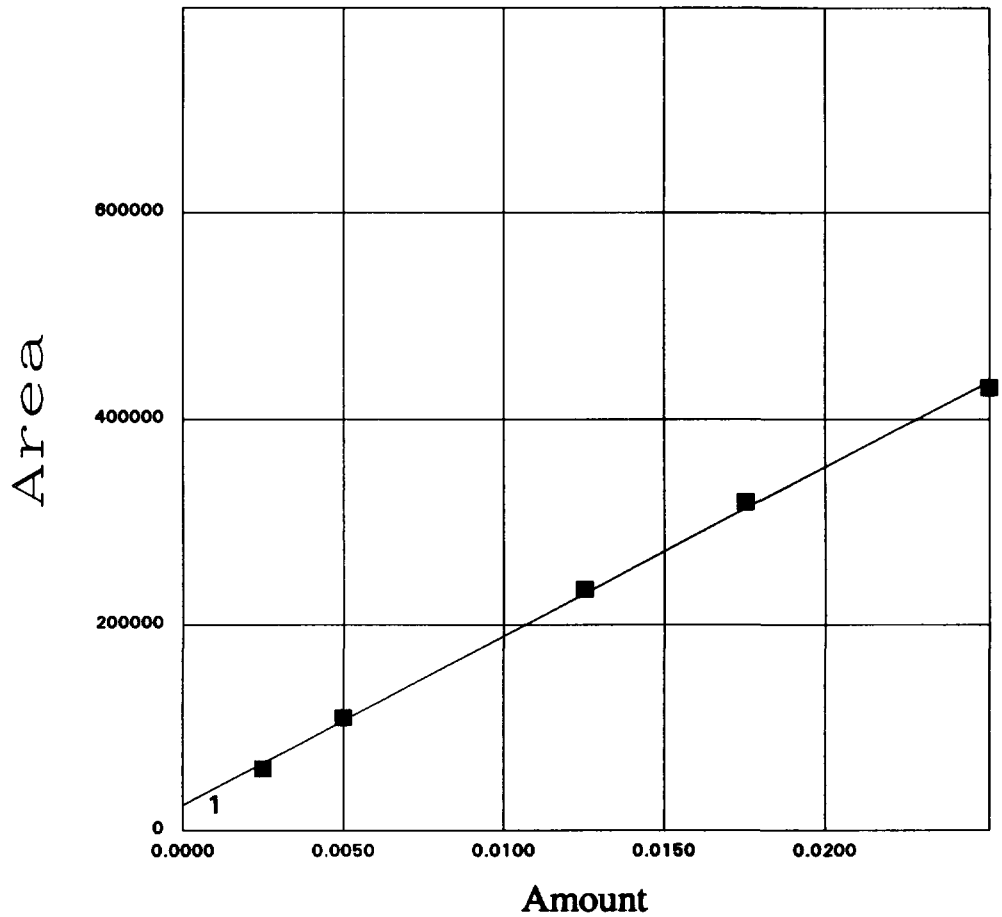
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002161 | 0.000339 | 13.567 | 61551.500000 | 67289.851563 | -5738.351563 | -9.323 |
| 2 | 0.005000 | 0.005128 | -0.000128 | -2.567 | 111758.000000 | 109586.312500 | 2171.687500 | 1.943 |
| 3 | 0.012500 | 0.012718 | -0.000218 | -1.746 | 240167.500000 | 236475.703125 | 3691.796875 | 1.537 |
| 4 | 0.017500 | 0.017812 | -0.000312 | -1.780 | 326339.500000 | 321068.593750 | 5270.906250 | 1.615 |
| 5 | 0.025000 | 0.024681 | 0.000319 | 1.276 | 442562.000000 | 447958.031250 | -5396.031250 | -1.219 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:56 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998661
Calibration Curve = (25275.152344) + (16482099.000000)X

# LINDANE



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:56 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998661

Calibration Curve = (25275.152344) + (16482099.000000)X

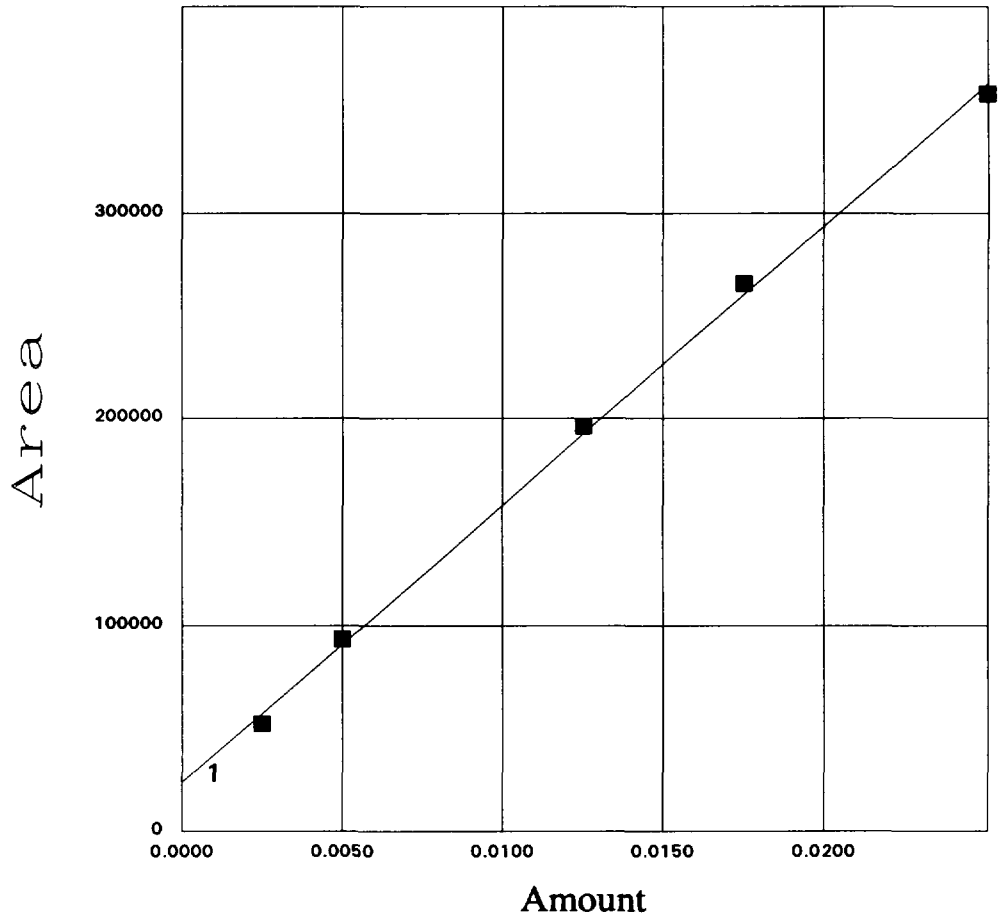
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002123 | 0.000377 | 15.067 | 60272.000000 | 66480.406250 | -6208.406250 | -10.301 |
| 2 | 0.005000 | 0.005146 | -0.000146 | -2.912 | 110085.000000 | 107685.656250 | 2399.343750 | 2.180 |
| 3 | 0.012500 | 0.012747 | -0.000247 | -1.979 | 235378.000000 | 231301.406250 | 4076.593750 | 1.732 |
| 4 | 0.017500 | 0.017830 | -0.000330 | -1.884 | 319144.500000 | 313711.875000 | 5432.625000 | 1.702 |
| 5 | 0.025000 | 0.024654 | 0.000346 | 1.383 | 431627.500000 | 437327.656250 | -5700.156250 | -1.321 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:56 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998487
Calibration Curve = (23653.761719) + (13560658.000000)X

# HEPTACHLOR



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
**Date: 9/28/94** Time: 08:56 AM

**Data Lists With Calculated Values For Each Fit:**
**Curve #1 :** First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2 = 0.998487$

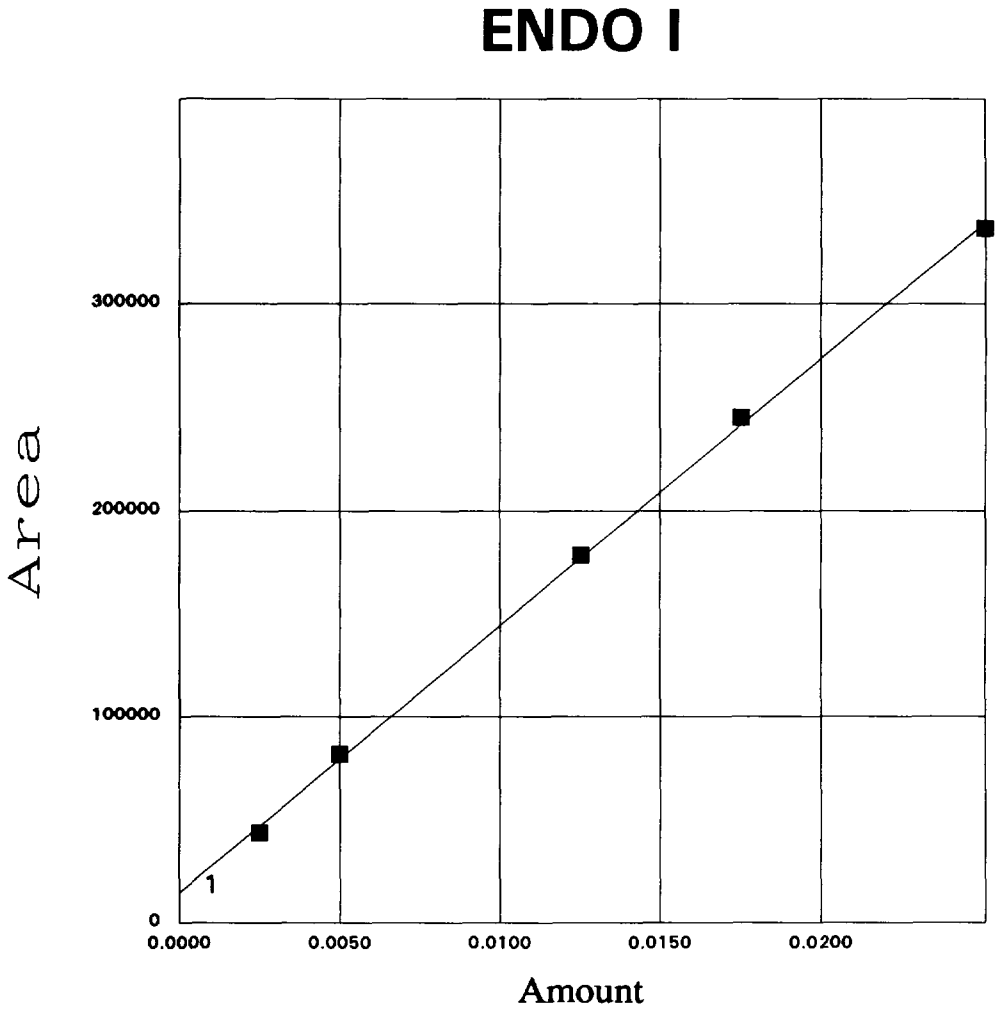
Calibration Curve = (23653.761719) + (13560658.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002100 | 0.000400 | 16.012 | 52127.000000 | 57555.410156 | -5428.410156 | -10.414 |
| 2 | 0.005000 | 0.005167 | -0.000167 | -3.340 | 93721.500000 | 91457.054688 | 2264.445313 | 2.416 |
| 3 | 0.012500 | 0.012733 | -0.000233 | -1.867 | 196327.000000 | 193162.000000 | 3165.000000 | 1.612 |
| 4 | 0.017500 | 0.017867 | -0.000367 | -2.095 | 265937.000000 | 260965.281250 | 4971.718750 | 1.870 |
| 5 | 0.025000 | 0.024633 | 0.000367 | 1.467 | 357697.500000 | 362670.250000 | -4972.750000 | -1.390 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:56 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999349
Calibration Curve = (14790.282227) + (13008136.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:56 AM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 :** First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2 = 0.999349$

Calibration Curve = (14790.282227) + (13008136.000000)X

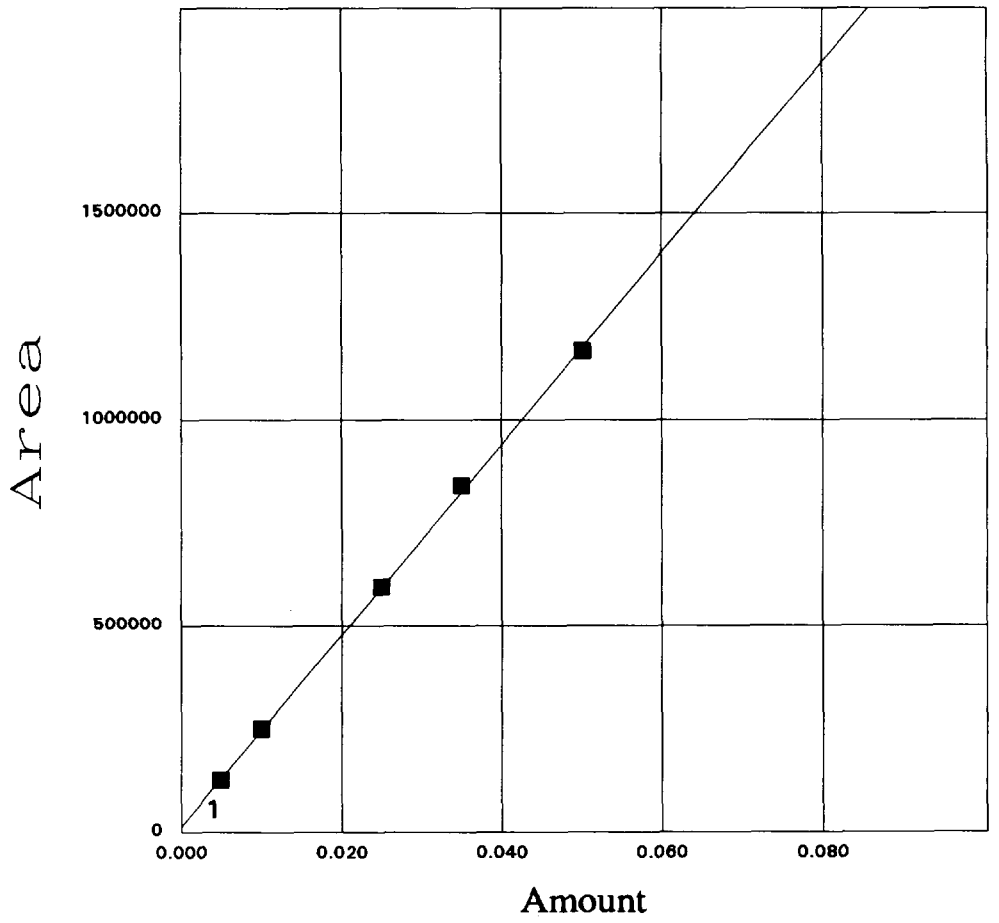
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002221 | 0.000280 | 11.180 | 43675.000000 | 47310.625000 | -3635.625000 | -8.324 |
| 2 | 0.005000 | 0.005167 | -0.000167 | -3.330 | 81996.500000 | 79830.968750 | 2165.531250 | 2.641 |
| 3 | 0.012500 | 0.012593 | -0.000093 | -0.747 | 178605.968750 | 177392.000000 | 1213.968750 | 0.680 |
| 4 | 0.017500 | 0.017739 | -0.000239 | -1.366 | 245541.500000 | 242432.656250 | 3108.843750 | 1.266 |
| 5 | 0.025000 | 0.024781 | 0.000219 | 0.877 | 337141.000000 | 339993.718750 | -2852.718750 | -0.846 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
**Date: 9/28/94** Time: 08:56 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999573
Calibration Curve = (16887.261719) + (23211060.000000)X

# DIELDRIN



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:57 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999573

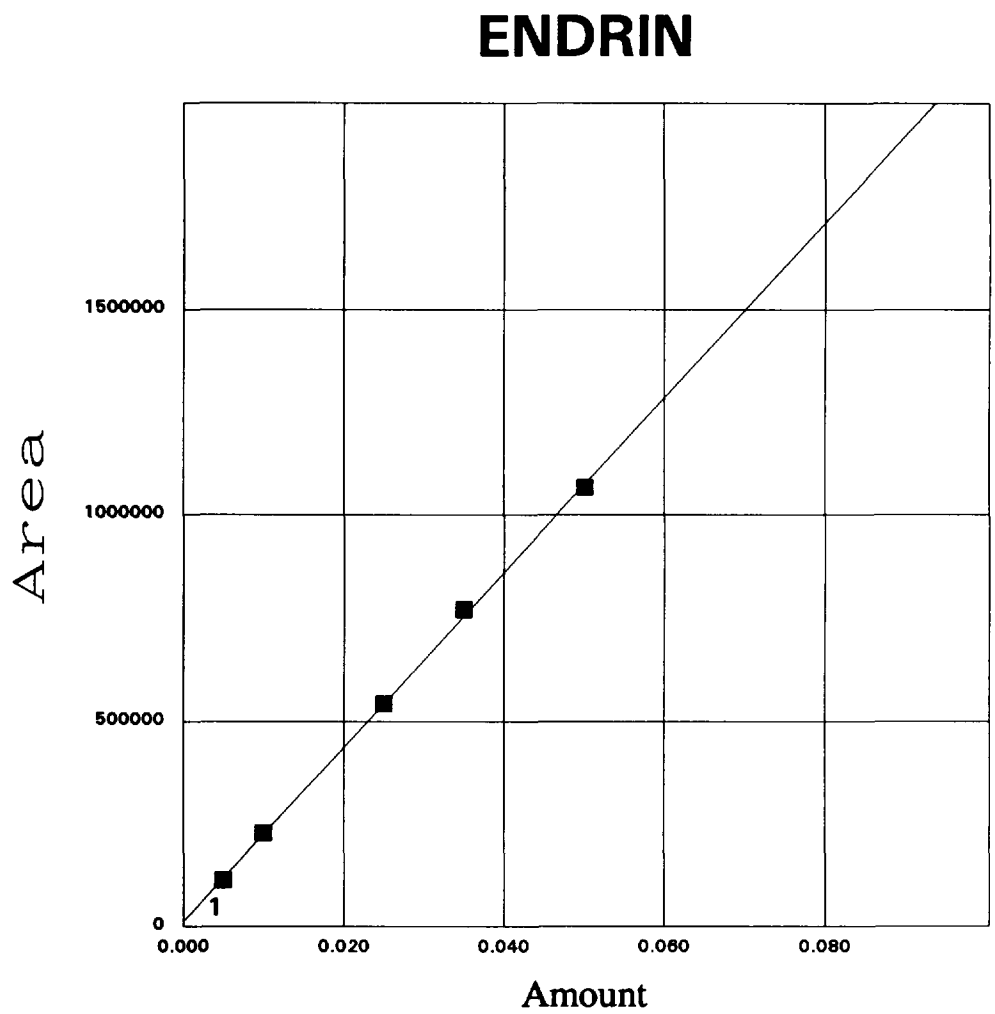
Calibration Curve = (16887.261719) + (23211060.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004753 | 0.000247 | 4.944 | 127205.000000 | 132942.562500 | -5737.562500 | -4.511 |
| 2 | 0.010000 | 0.010058 | -0.000058 | -0.582 | 250348.593750 | 248997.875000 | 1350.718750 | 0.540 |
| 3 | 0.025000 | 0.024996 | 0.000004 | 0.017 | 597064.000000 | 597163.812500 | -99.812500 | -0.017 |
| 4 | 0.035000 | 0.035594 | -0.000594 | -1.696 | 843051.500000 | 829274.375000 | 13777.125000 | 1.634 |
| 5 | 0.050000 | 0.049600 | 0.000400 | 0.801 | 1168149.875000 | 1177440.375000 | -9290.500000 | -0.795 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:57 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999417
Calibration Curve = (14421.553711) + (21253222.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:57 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999417

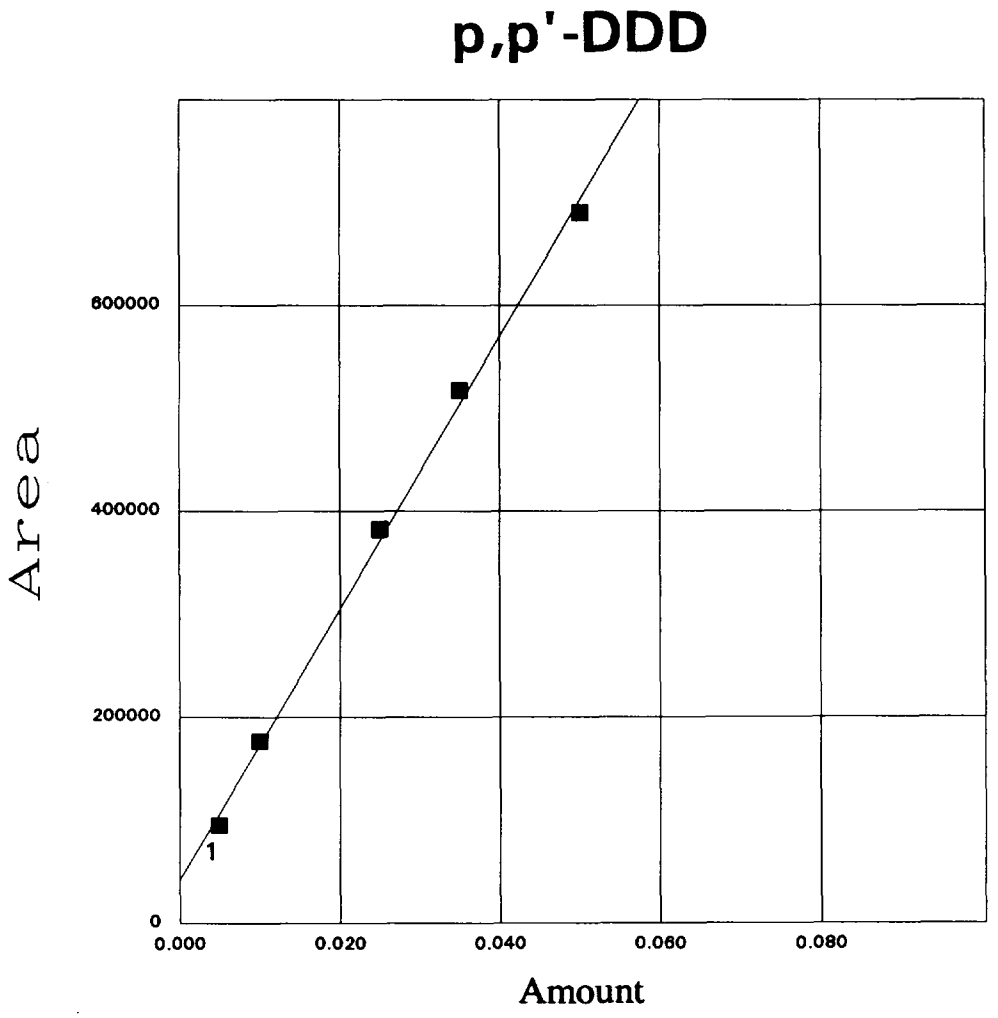
Calibration Curve = (14421.553711) + (21253222.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004723 | 0.000278 | 5.550 | 114789.593750 | 120687.671875 | -5898.078125 | -5.138 |
| 2 | 0.010000 | 0.010087 | -0.000087 | -0.871 | 228804.187500 | 226953.781250 | 1850.406250 | 0.809 |
| 3 | 0.025000 | 0.024938 | 0.000062 | 0.248 | 544433.500000 | 545752.125000 | -1318.625000 | -0.242 |
| 4 | 0.035000 | 0.035704 | -0.000704 | -2.011 | 773242.000000 | 758284.312500 | 14957.687500 | 1.934 |
| 5 | 0.050000 | 0.049549 | 0.000451 | 0.903 | 1067491.500000 | 1077082.750000 | -9591.250000 | -0.899 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:57 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997345
Calibration Curve = (41605.781250) + (13228338.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:57 AM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 : First Order Polynomial Fit**

**Weighting Factor = 1.0 (No Weighting)** $r^2 = 0.997345$

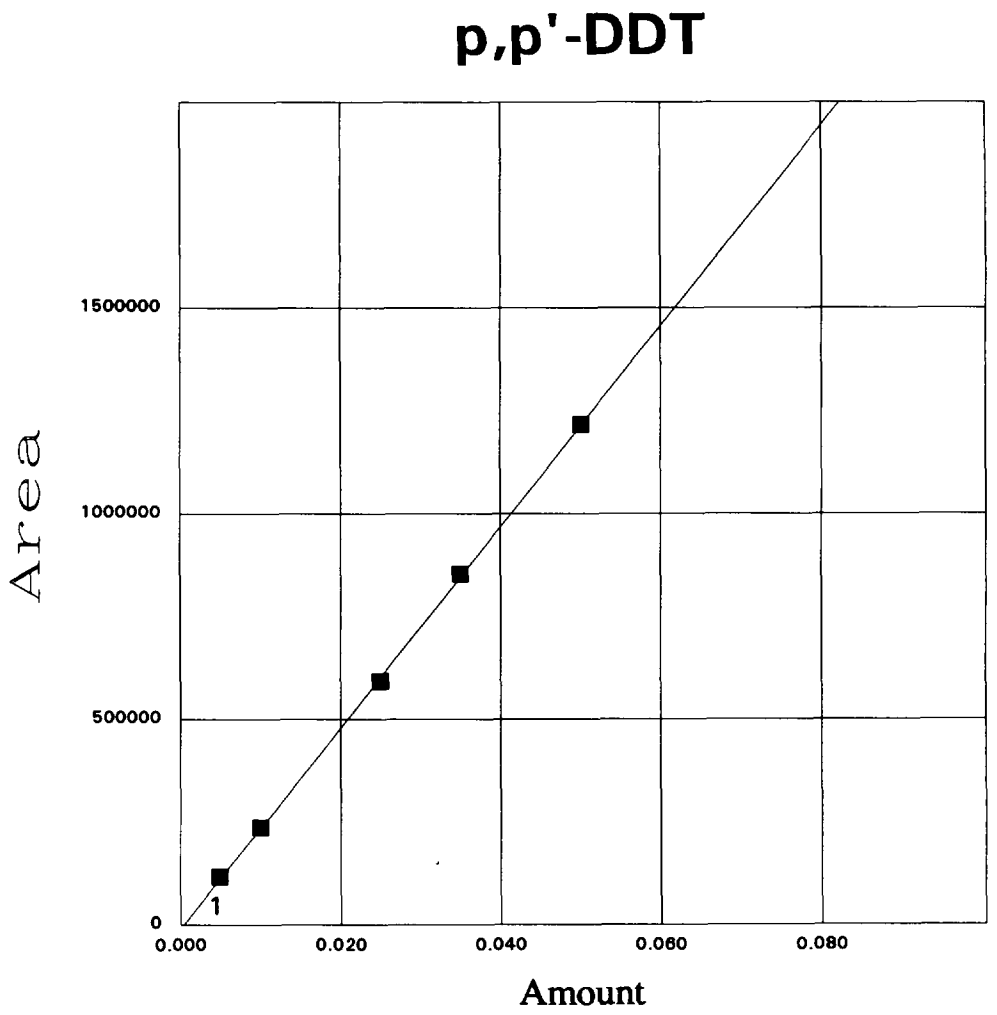
Calibration Curve = (41605.781250) + (13228338.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004029 | 0.000971 | 19.416 | 94905.406250 | 107747.476563 | -12842.070313 | -13.531 |
| 2 | 0.010000 | 0.010237 | -0.000237 | -2.367 | 177019.812500 | 173889.171875 | 3130.640625 | 1.769 |
| 3 | 0.025000 | 0.025790 | -0.000790 | -3.162 | 382769.500000 | 372314.250000 | 10455.250000 | 2.732 |
| 4 | 0.035000 | 0.035964 | -0.000964 | -2.754 | 517350.000000 | 504597.625000 | 12752.375000 | 2.465 |
| 5 | 0.050000 | 0.048980 | 0.001020 | 2.041 | 689526.500000 | 703022.750000 | -13496.250000 | -1.957 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:57 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999793
Calibration Curve = (-8143.345215) + (24470348.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:58 AM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 : First Order Polynomial Fit**
**Weighting Factor = 1.0 (No Weighting)** $r^2 = 0.999793$

Calibration Curve = (-8143.345215) + (24470348.000000)X

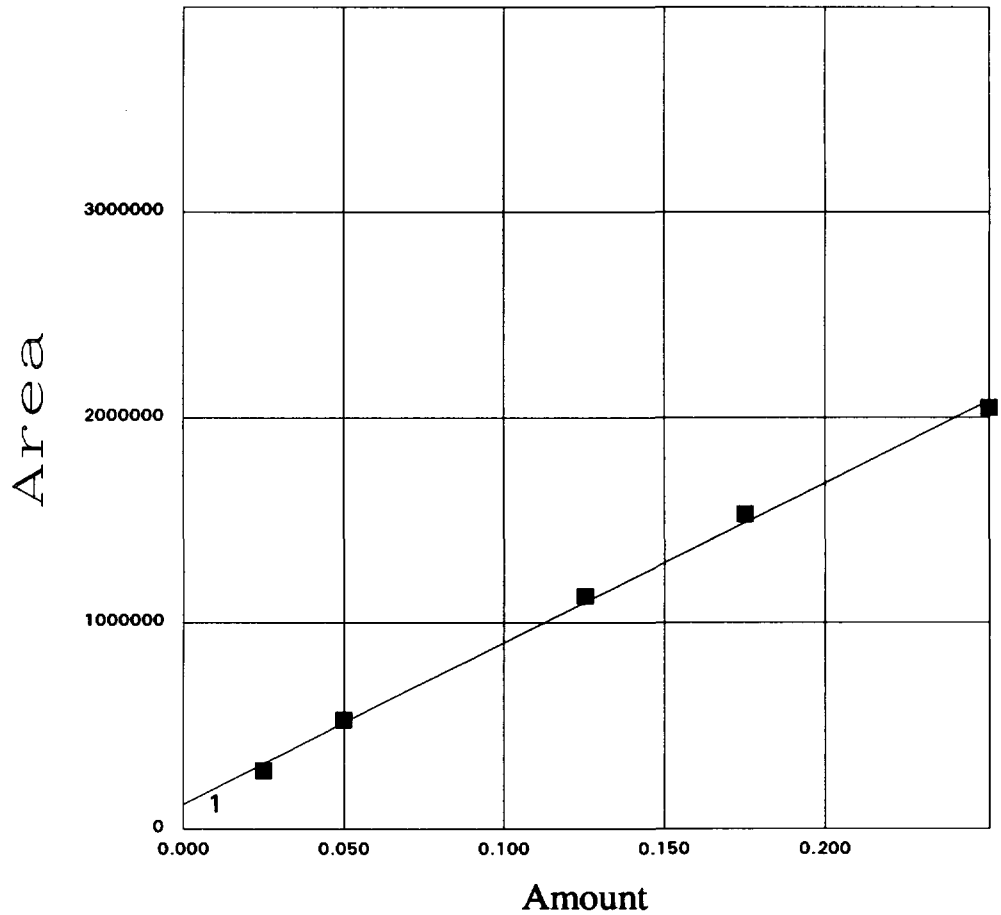
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005140 | -0.000140 | -2.804 | 117639.000000 | 114208.406250 | 3430.593750 | 2.916 |
| 2 | 0.010000 | 0.010039 | -0.000039 | -0.385 | 237503.000000 | 236560.156250 | 942.843750 | 0.397 |
| 3 | 0.025000 | 0.024548 | 0.000452 | 1.808 | 592555.500000 | 603615.437500 | -11059.937500 | -1.867 |
| 4 | 0.035000 | 0.035230 | -0.000230 | -0.657 | 853946.000000 | 848318.812500 | 5627.187500 | 0.659 |
| 5 | 0.050000 | 0.050043 | -0.000043 | -0.087 | 1216433.500000 | 1215374.125000 | 1059.375000 | 0.087 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:58 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997679
Calibration Curve = (124446.117188) + (7849914.000000)X

# METHOXYCHLOR



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:58 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997679

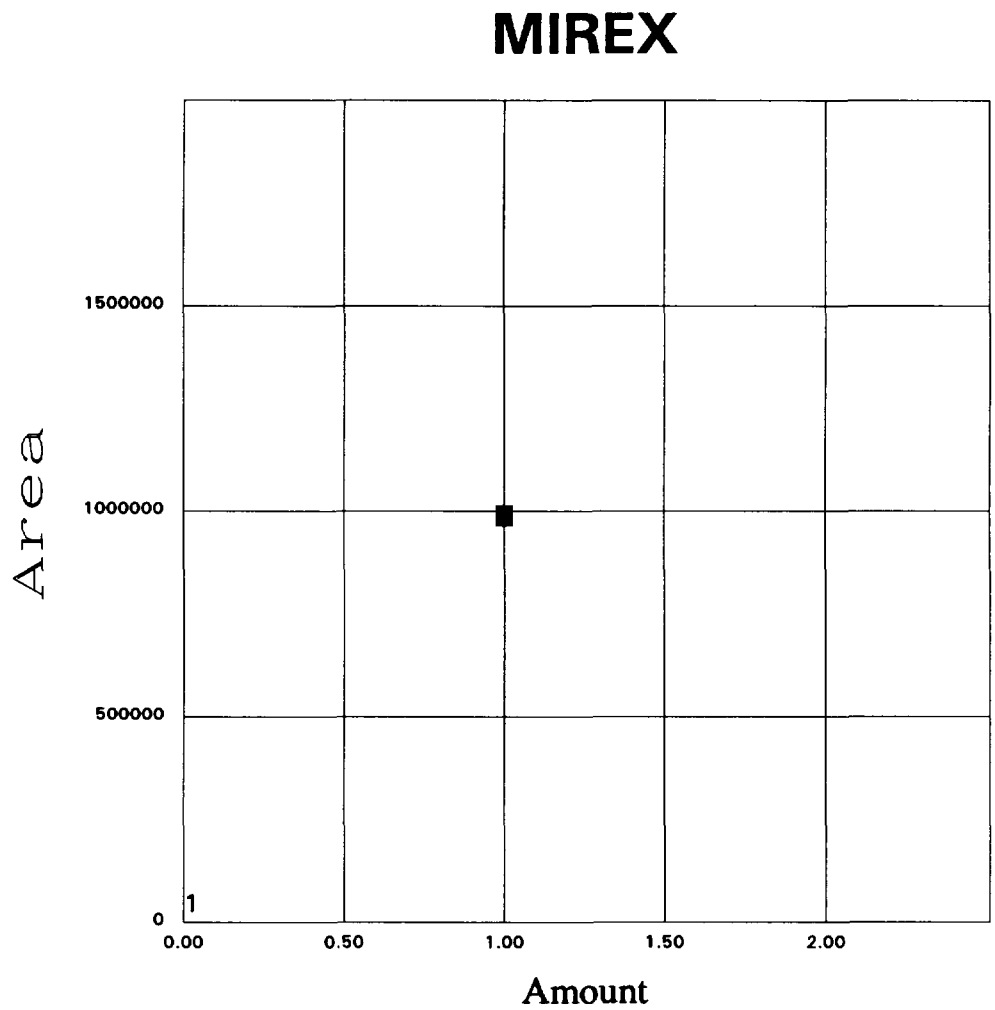
Calibration Curve = (124446.117188) + (7849914.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.025000 | 0.020491 | 0.004509 | 18.035 | 285300.000000 | 320694.000000 | -35394.000000 | -12.406 |
| 2 | 0.050000 | 0.051197 | -0.001197 | -2.393 | 526334.000000 | 516941.843750 | 9392.156250 | 1.784 |
| 3 | 0.125000 | 0.128350 | -0.003350 | -2.680 | 1131983.000000 | 1105685.375000 | 26297.625000 | 2.323 |
| 4 | 0.175000 | 0.179753 | -0.004753 | -2.716 | 1535488.000000 | 1498181.000000 | 37307.000000 | 2.430 |
| 5 | 0.250000 | 0.245210 | 0.004790 | 1.916 | 2049322.000000 | 2086924.625000 | -37602.625000 | -1.835 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:58 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000
Calibration Curve = (0.000000) + (0.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTA.SMP"
Date: 9/28/94 Time: 08:58 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000

Calibration Curve = (0.000000) + (0.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 5 | 1.000000 | ---------- | ---------- | ------- | 986463.000000 | 0.000000 | 986463.000000 | 100.000 |
| 1 | 1.000000 | ---------- | ---------- | ------- | 992049.500000 | 0.000000 | 992049.500000 | 100.000 |
| 2 | 1.000000 | ---------- | ---------- | ------- | 989927.000000 | 0.000000 | 989927.000000 | 100.000 |
| 3 | 1.000000 | ---------- | ---------- | ------- | 984449.062500 | 0.000000 | 984449.062500 | 100.000 |
| 4 | 1.000000 | ---------- | ---------- | ------- | 995662.000000 | 0.000000 | 995662.000000 | 100.000 |

Software Version: 3.1 <2A23>
Sample Name : PEST B L1 Time : 9/27/94 10:57 AM
Sample Number: 9 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 09:10 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_009.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_009.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 6.18 | TCMX | 0.0022 | 73829 | 15503 | TCMX | 3.3149e7 |
| 3 | 8.89 | b-BHC | 0.0021 | 38461 | 8195 | b-BHC | 1.8283e7 |
| 4 | 9.72 | d-BHC | 0.0024 | 43074 | 9224 | d-BHC | 1.7773e7 |
| 5 | 10.22 | ALDRIN | 0.0024 | 58195 | 10428 | ALDRIN | 2.4451e7 |
| 6 | 11.47 | HEPT.EPOXIDE | 0.0022 | 59135 | 10350 | HEPT.EPO | 2.6480e7 |
| 7 | 11.86 | g-CHLORDANE | 0.0022 | 64238 | 10723 | g-CHLORD | 2.8742e7 |
| 8 | 12.25 | a-CHLORDANE | 0.0022 | 64906 | 10585 | a-CHLORD | 2.9433e7 |
| 9 | 12.84 | p,p'-DDE | 0.0048 | 90742 | 15183 | p,p'-DDE | 1.9091e7 |
| 10 | 14.60 | ENDO II | 0.0045 | 95876 | 13859 | ENDO II | 2.1226e7 |
| 11 | 15.54 | ENDRIN ALD | 0.0042 | 73101 | 10030 | ENDRIN A | 1.7287e7 |
| 12 | 15.91 | END SULFATE | 0.0047 | 82402 | 10930 | END SULF | 1.7592e7 |
| 14 | 25.83 | DCLB | 0.0026 | 61379 | 4112 | DCLB | 2.3758e7 |
| | | | 0.0366 | 805338 | 129122 | | 2.7727e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

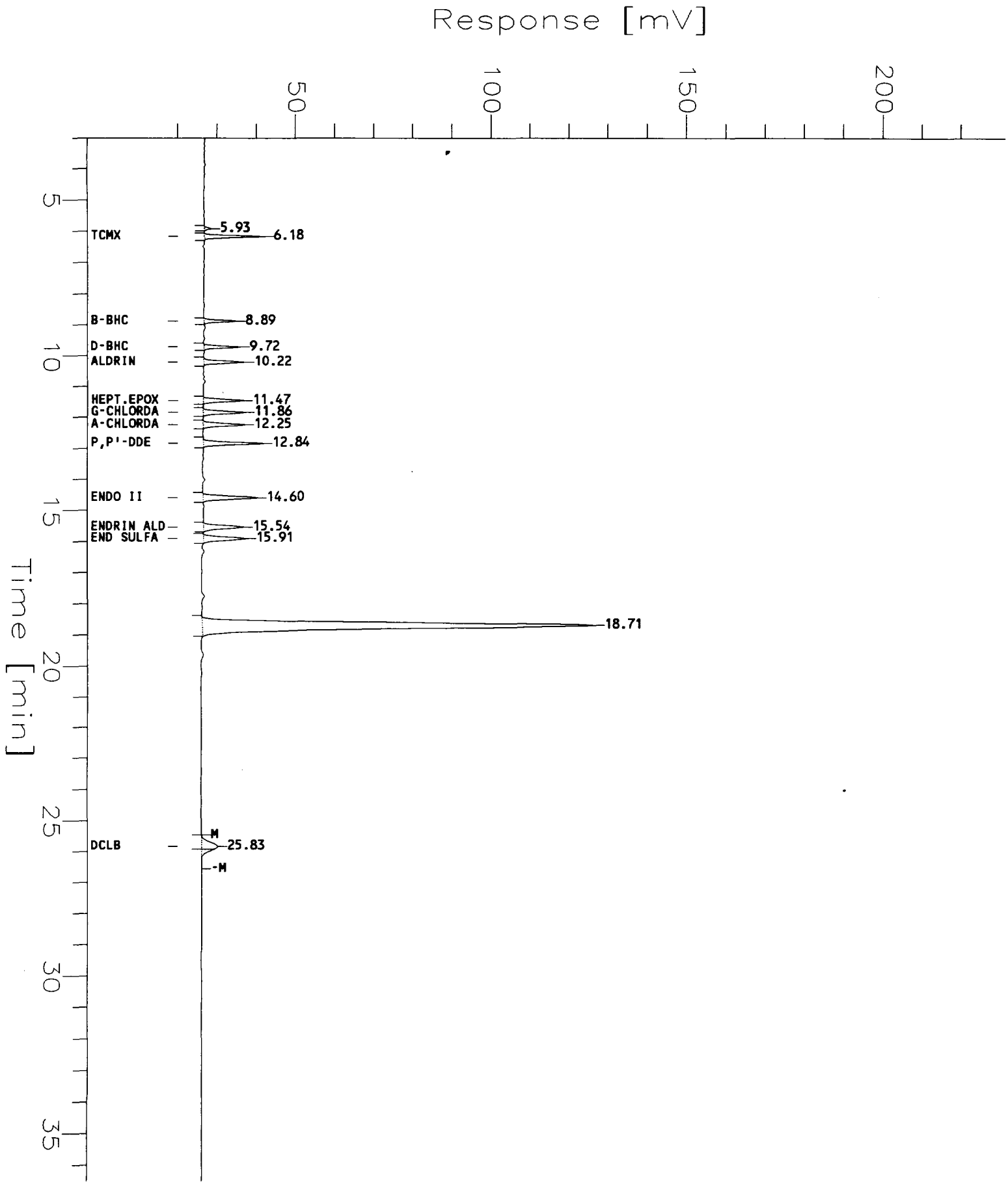
All Components Were Found

# Chromatogram

Sample Name : PEST B L1
FileName : C:\2700\DATA2\1AL_009.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 9
Date : 9/27/94 10:57 AM
Low Point : 20.00 mV High Point : 220.00 mV
Plot Scale: 200 mV





Software Version: 3.1 <2A23>
Sample Name : PEST B L2 Time : 9/27/94 10:57 AM
Sample Number: 10 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 09:52 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_010.raw
Result File : C:\2700\DATA2\1AL_010.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 6.18 | TCMX | 0.0049 | 133402 | 27730 | TCMX | 2.7146e7 |
| 3 | 8.89 | b-BHC | 0.0050 | 68833 | 14282 | b-BHC | 1.3874e7 |
| 4 | 9.72 | d-BHC | 0.0049 | 79485 | 16717 | d-BHC | 1.6084e7 |
| 5 | 10.22 | ALDRIN | 0.0049 | 106074 | 19045 | ALDRIN | 2.1675e7 |
| 6 | 11.47 | HEPT.EPOXIDE | 0.0050 | 105537 | 18244 | HEPT.EPO | 2.1285e7 |
| 7 | 11.85 | g-CHLORDANE | 0.0050 | 114727 | 19101 | g-CHLORD | 2.3183e7 |
| 8 | 12.25 | a-CHLORDANE | 0.0049 | 115701 | 18627 | a-CHLORD | 2.3400e7 |
| 9 | 12.84 | p,p'-DDE | 0.0098 | 163998 | 27237 | p,p'-DDE | 1.6725e7 |
| 10 | 14.60 | ENDO II | 0.0098 | 164082 | 23625 | ENDO II | 1.6738e7 |
| 11 | 15.55 | ENDRIN ALD | 0.0100 | 131065 | 17781 | ENDRIN A | 1.3152e7 |
| 12 | 15.91 | END SULFATE | 0.0097 | 145042 | 18966 | END SULF | 1.4898e7 |
| 14 | 25.83 | DCLB | 0.0043 | 103133 | 7262 | DCLB | 2.3758e7 |
| | | | 0.0782 | 1431077 | 228616 | | 2.3192e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

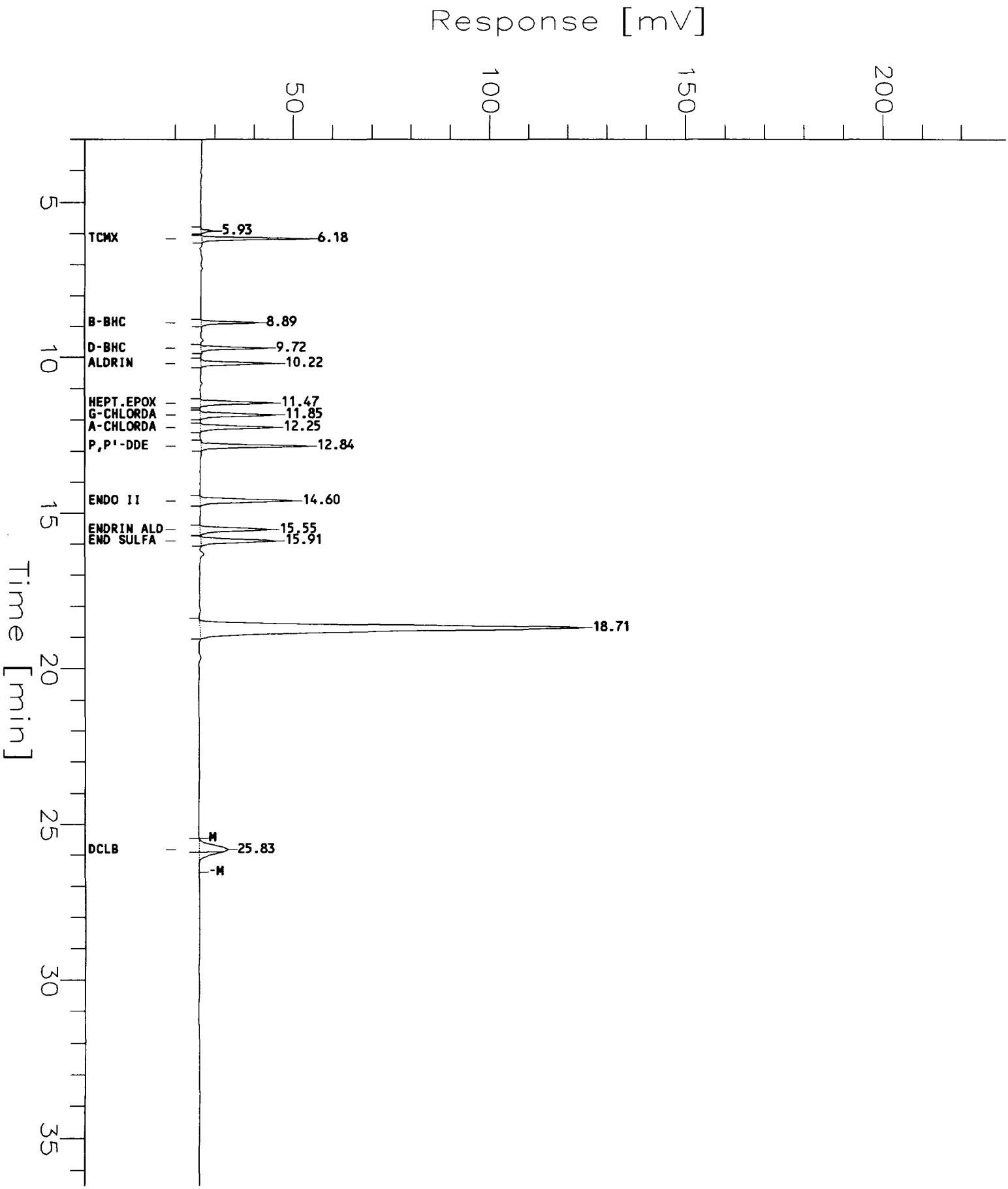
# Chromatogram

Sample Name : PEST B L2
FileName : C:\2700\DATA2\1AL_010.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 10
Date : 9/27/94 10:57 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L3 Time : 9/27/94 12:24 PM
Sample Number: 11 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 10:35 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_011.raw
Result File : C:\2700\DATA2\1AL_011.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 6.18 | TCMX | 0.0128 | 307542 | 62891 | TCMX | 2.4086e7 |
| 3 | 8.89 | b-BHC | 0.0129 | 153102 | 31598 | b-BHC | 1.1878e7 |
| 4 | 9.72 | d-BHC | 0.0125 | 188506 | 40119 | d-BHC | 1.5102e7 |
| 5 | 10.22 | ALDRIN | 0.0126 | 250791 | 45435 | ALDRIN | 1.9917e7 |
| 6 | 11.47 | HEPT.EPOXIDE | 0.0127 | 237879 | 40700 | HEPT.EPO | 1.8685e7 |
| 7 | 11.86 | g-CHLORDANE | 0.0127 | 259704 | 42494 | g-CHLORD | 2.0382e7 |
| 8 | 12.25 | a-CHLORDANE | 0.0128 | 261118 | 41447 | a-CHLORD | 2.0421e7 |
| 9 | 12.84 | p,p'-DDE | 0.0252 | 387101 | 64430 | p,p'-DDE | 1.5365e7 |
| 10 | 14.60 | ENDO II | 0.0255 | 366995 | 52006 | ENDO II | 1.4376e7 |
| 11 | 15.54 | ENDRIN ALD | 0.0257 | 290134 | 38929 | ENDRIN A | 1.1286e7 |
| 12 | 15.91 | END SULFATE | 0.0253 | 337963 | 42894 | END SULF | 1.3361e7 |
| 14 | 25.83 | DCLB | 0.0124 | 293548 | 14942 | DCLB | 2.3603e7 |
| | | | 0.2032 | 3334382 | 517885 | | 2.0846e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

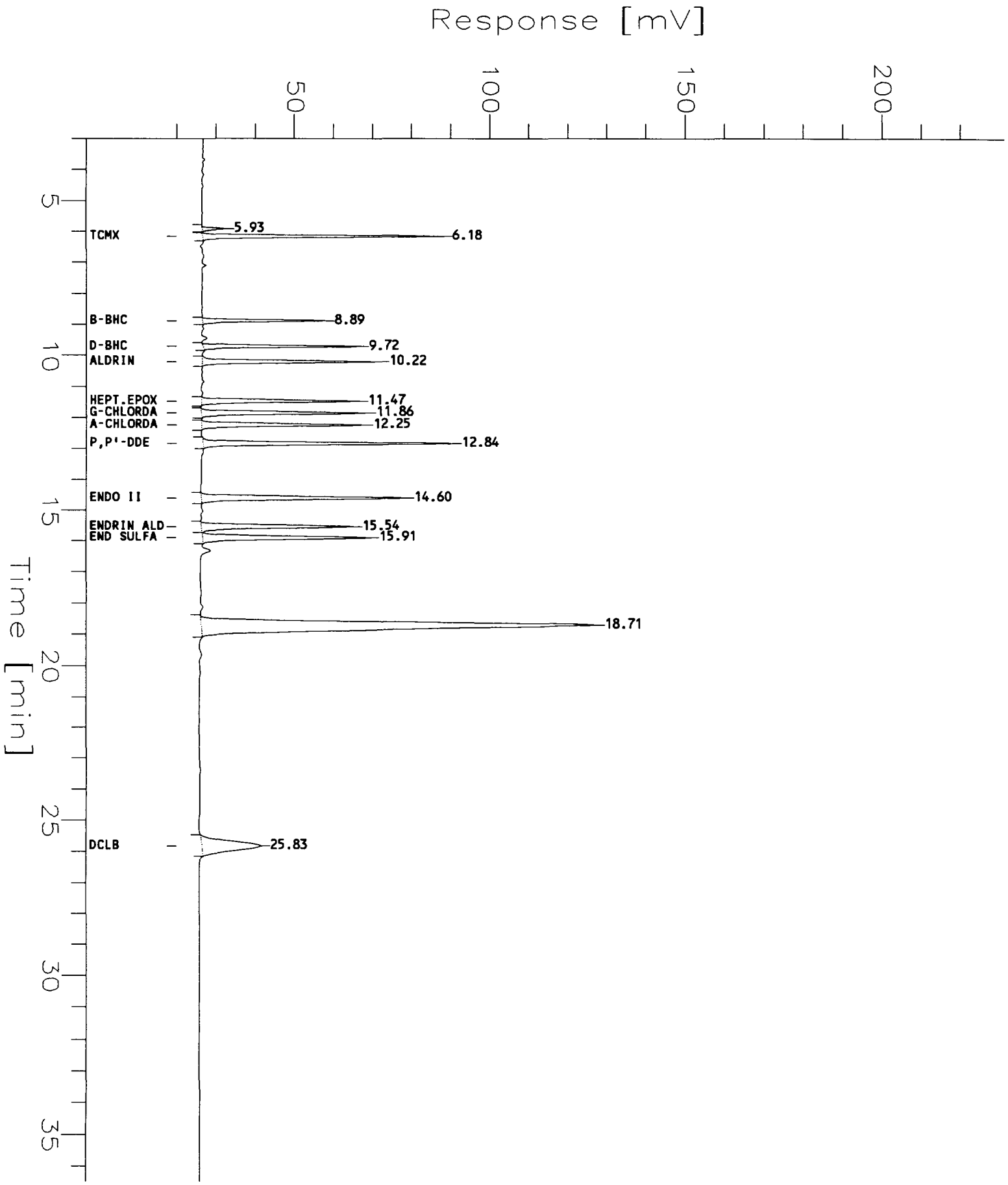
All Components Were Found

# Chromatogram

Sample Name : PEST B L3
FileName : C:\2700\DATA2\1AL_011.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 11
Date : 9/27/94 12:24 PM
Low Point : 20.00 mV High Point : 220.00 mV
Plot Scale: 200 mV





Software Version: 3.1 <2A23>
Sample Name : PEST B L4 Time : 9/27/94 10:53 AM
Sample Number: 12 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 11:19 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_012.raw
Result File : C:\2700\DATA2\1AL_012.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 6.18 | TCMX | 0.0181 | 425761 | 86556 | TCMX | 2.3522e7 |
| 3 | 8.89 | b-BHC | 0.0182 | 208970 | 42672 | b-BHC | 1.1516e7 |
| 4 | 9.72 | d-BHC | 0.0179 | 267090 | 56923 | d-BHC | 1.4907e7 |
| 5 | 10.22 | ALDRIN | 0.0180 | 353013 | 63942 | ALDRIN | 1.9622e7 |
| 6 | 11.47 | HEPT.EPOXIDE | 0.0180 | 328079 | 55870 | HEPT.EPO | 1.8198e7 |
| 7 | 11.85 | g-CHLORDANE | 0.0180 | 358087 | 59050 | g-CHLORD | 1.9861e7 |
| 8 | 12.25 | a-CHLORDANE | 0.0181 | 358813 | 56927 | a-CHLORD | 1.9873e7 |
| 9 | 12.85 | p,p'-DDE | 0.0359 | 542912 | 90494 | p,p'-DDE | 1.5106e7 |
| 10 | 14.60 | ENDO II | 0.0361 | 503364 | 70174 | ENDO II | 1.3945e7 |
| 11 | 15.54 | ENDRIN ALD | 0.0362 | 396480 | 53031 | ENDRIN A | 1.0943e7 |
| 12 | 15.91 | END SULFATE | 0.0362 | 472770 | 60424 | END SULF | 1.3072e7 |
| 15 | 25.83 | DCLB | 0.0172 | 408293 | 20367 | DCLB | 2.3758e7 |
| | | | 0.2879 | 4623630 | 716431 | | 2.0432e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

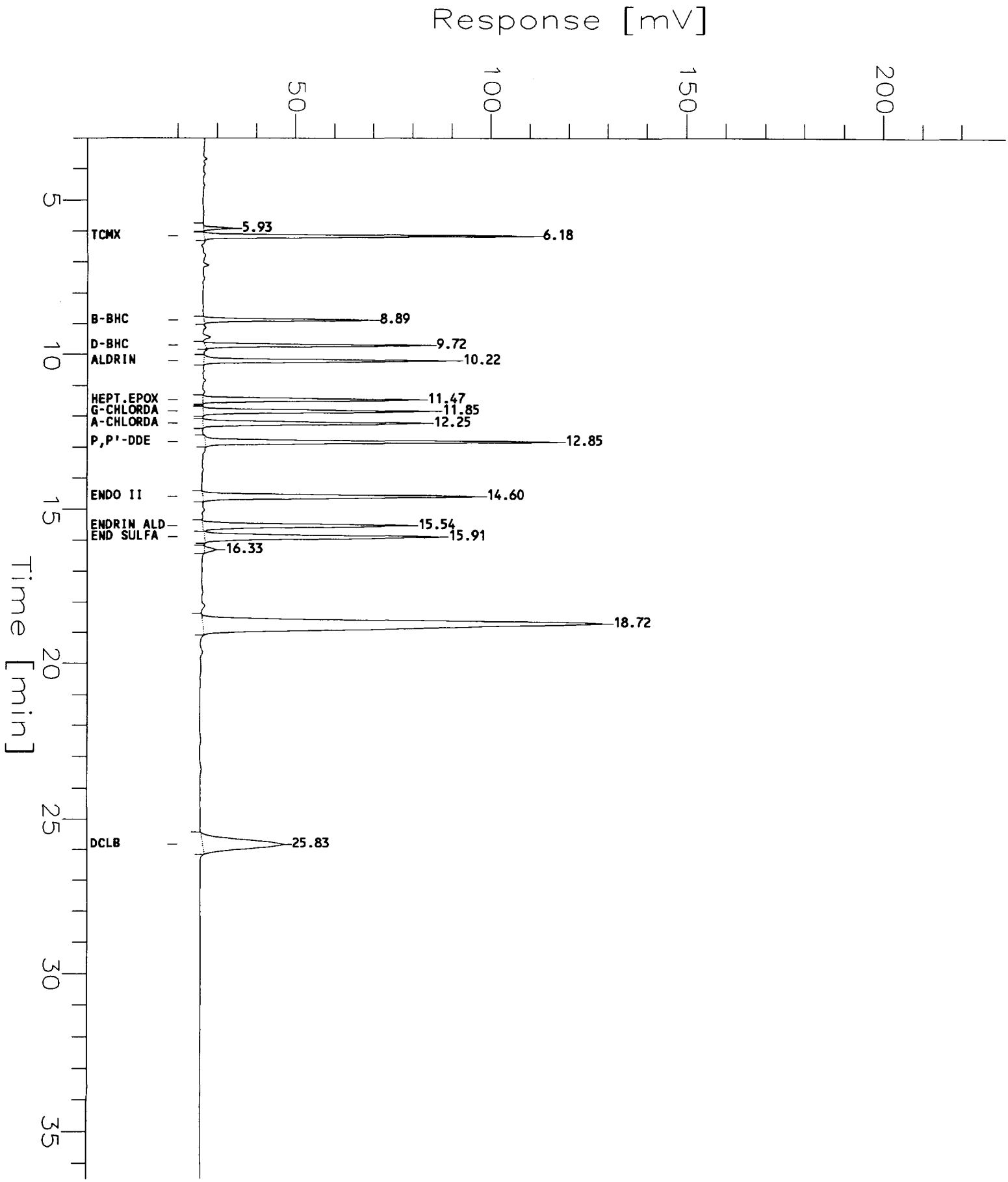
# Chromatogram

Sample Name : PEST B L4
FileName : C:\2700\DATA2\1AL_012.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 12
Date : 9/27/94 10:53 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L5 Time : 9/27/94 10:53 AM
Sample Number: 13 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:01 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_013.raw
Result File : C:\2700\DATA2\1AL_013.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 6.17 | TCMX | 0.0245 | 567428 | 114404 | TCMX | 2.3169e7 |
| 4 | 8.89 | b-BHC | 0.0244 | 275471 | 56045 | b-BHC | 1.1289e7 |
| 6 | 9.72 | d-BHC | 0.0247 | 365715 | 78186 | d-BHC | 1.4784e7 |
| 7 | 10.22 | ALDRIN | 0.0246 | 480616 | 86751 | ALDRIN | 1.9502e7 |
| 8 | 11.47 | HEPT.EPOXIDE | 0.0246 | 439139 | 74856 | HEPT.EPO | 1.7887e7 |
| 9 | 11.85 | g-CHLORDANE | 0.0246 | 479309 | 78386 | g-CHLORD | 1.9527e7 |
| 10 | 12.24 | a-CHLORDANE | 0.0245 | 478485 | 76124 | a-CHLORD | 1.9523e7 |
| 11 | 12.84 | p,p'-DDE | 0.0493 | 736794 | 121883 | p,p'-DDE | 1.4941e7 |
| 12 | 14.60 | ENDO II | 0.0491 | 670596 | 94598 | ENDO II | 1.3669e7 |
| 13 | 15.54 | ENDRIN ALD | 0.0489 | 524196 | 69946 | ENDRIN A | 1.0726e7 |
| 14 | 15.91 | END SULFATE | 0.0491 | 633441 | 81307 | END SULF | 1.2895e7 |
| 17 | 25.82 | DCLB | 0.0228 | 540710 | 26299 | DCLB | 2.3758e7 |
| | | | 0.3910 | 6191900 | 958784 | | 2.0167e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

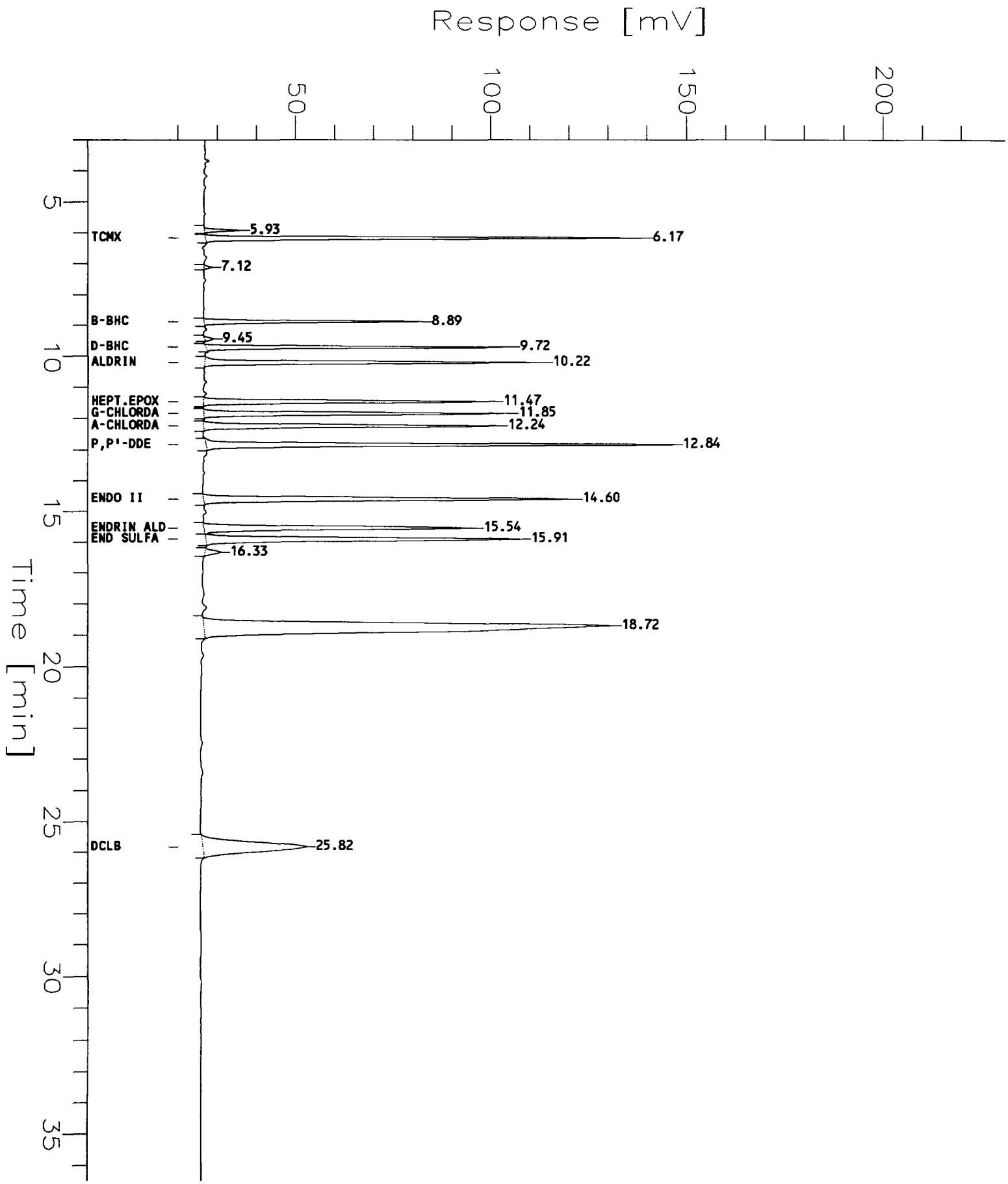
# Chromatogram

Sample Name : PEST B L5
FileName : C:\2700\DATA2\1AL_013.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 13
Date : 9/27/94 10:53 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L3 #1 Time : 9/28/94 09:45 AM
Sample Number: 38 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:56 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_038.raw
Result File : C:\2700\DATA2\1AL_038.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

PRIMARY COLUMN

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 6.17 | TCMX | 0.0124 | 299227 | 62890 | TCMX | 2.4144e7 |
| 4 | 8.89 | b-BHC | 0.0127 | 150905 | 31729 | b-BHC | 1.1898e7 |
| 5 | 9.72 | d-BHC | 0.0129 | 194063 | 42064 | d-BHC | 1.5083e7 |
| 6 | 10.22 | ALDRIN | 0.0126 | 260637 | 45514 | ALDRIN | 2.0660e7 |
| 7 | 11.47 | HEPT.EPOXIDE | 0.0120 | 225887 | 39676 | HEPT.EPO | 1.8782e7 |
| 8 | 11.86 | g-CHLORDANE | 0.0106 | 219946 | 36653 | g-CHLORD | 2.0741e7 |
| 9 | 12.24 | a-CHLORDANE | 0.0124 | 254038 | 40847 | a-CHLORD | 2.0479e7 |
| 10 | 12.84 | p,p'-DDE | 0.0279 | 426472 | 72644 | p,p'-DDE | 1.5281e7 |
| 11 | 14.60 | ENDO II | 0.0256 | 368419 | 52741 | ENDO II | 1.4369e7 |
| 13 | 15.54 | ENDRIN ALD | 0.0270 | 303291 | 40384 | ENDRIN A | 1.1229e7 |
| 14 | 15.91 | END SULFATE | 0.0256 | 341236 | 44249 | END SULF | 1.3351e7 |
| 16 | 25.81 | DCLB | 0.0135 | 319662 | 15805 | DCLB | 2.3603e7 |
| | | | 0.2053 | 3363782 | 525193 | | 2.0962e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

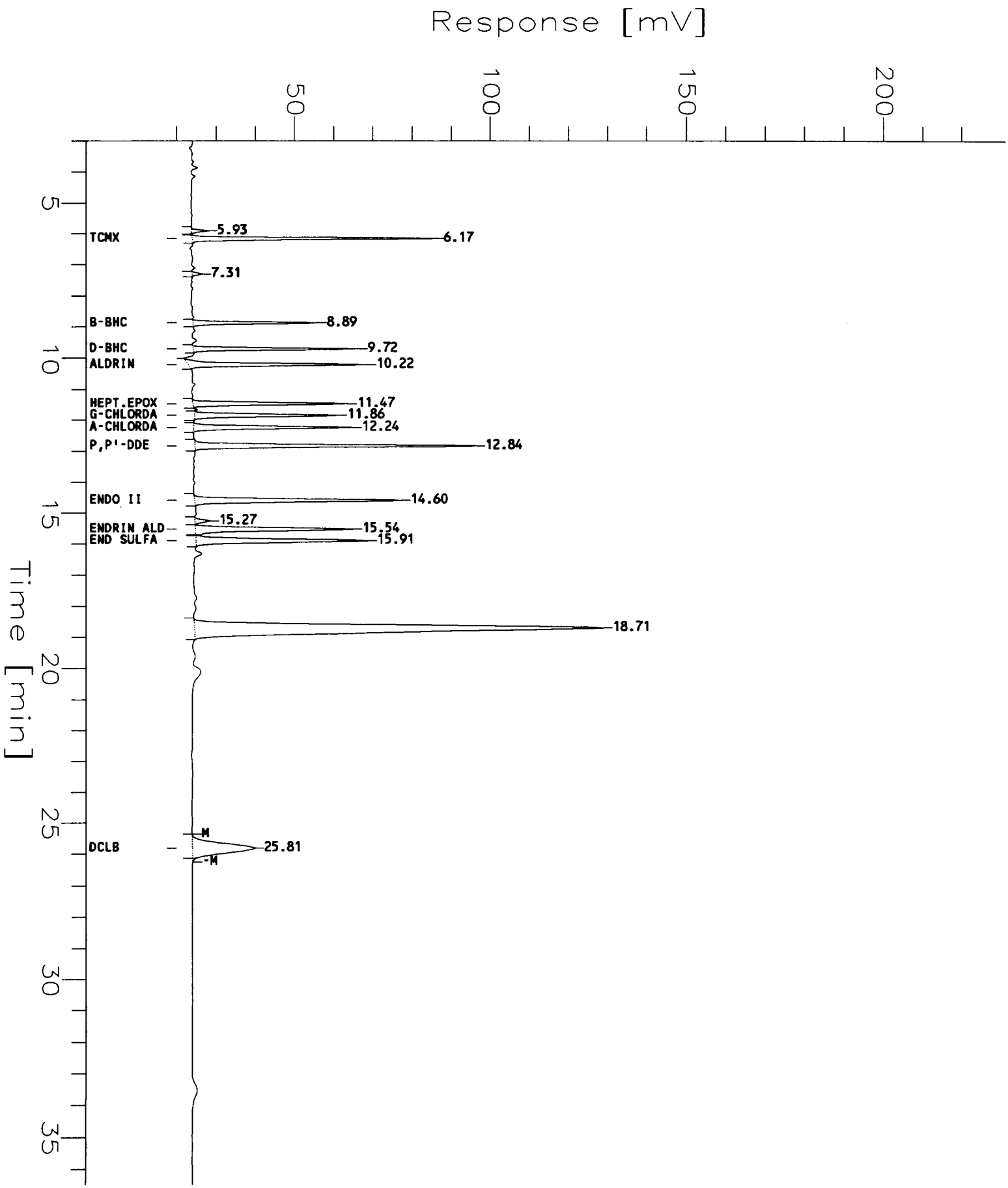
# Chromatogram

Sample Name : PEST B L3 #1
FileName : C:\2700\DATA2\1AL_038.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 38
Date : 9/28/94 09:45 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



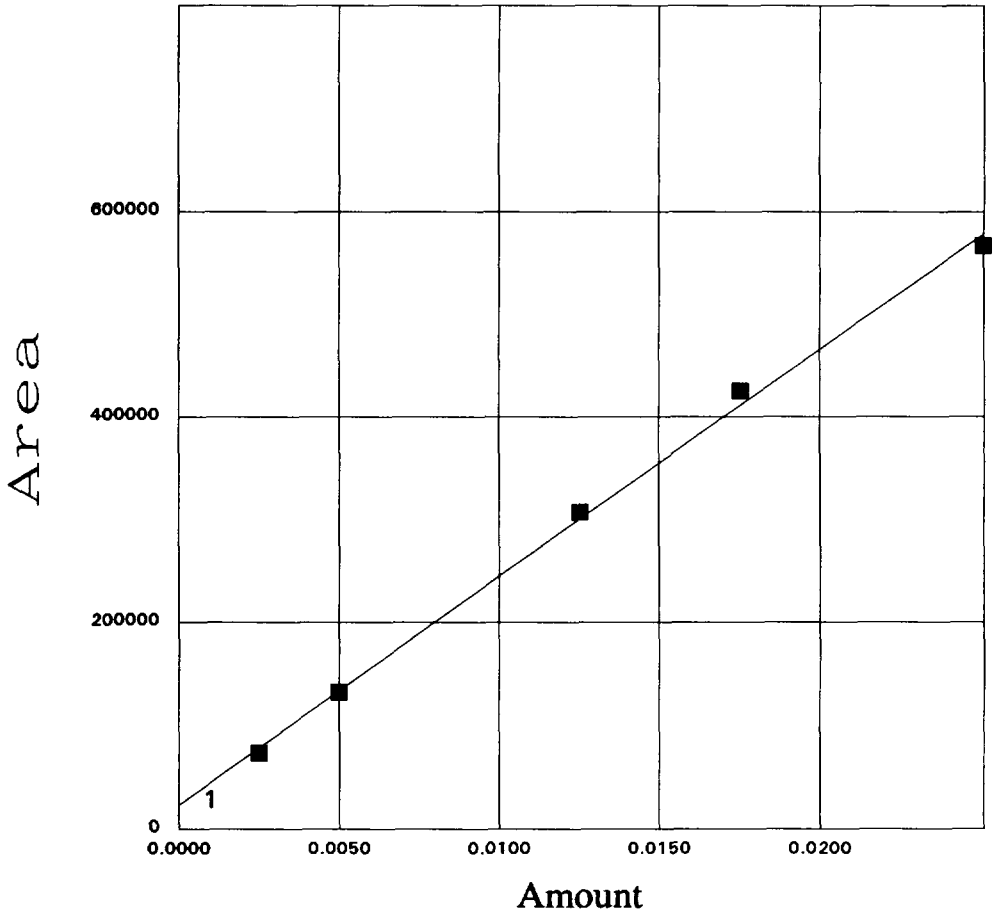
CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:02 AM

**Curve Parameters:**

PRIMARY COLUMN

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997711
Calibration Curve = (24449.572266) + (22171416.000000)X

# TCMX



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:02 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997711

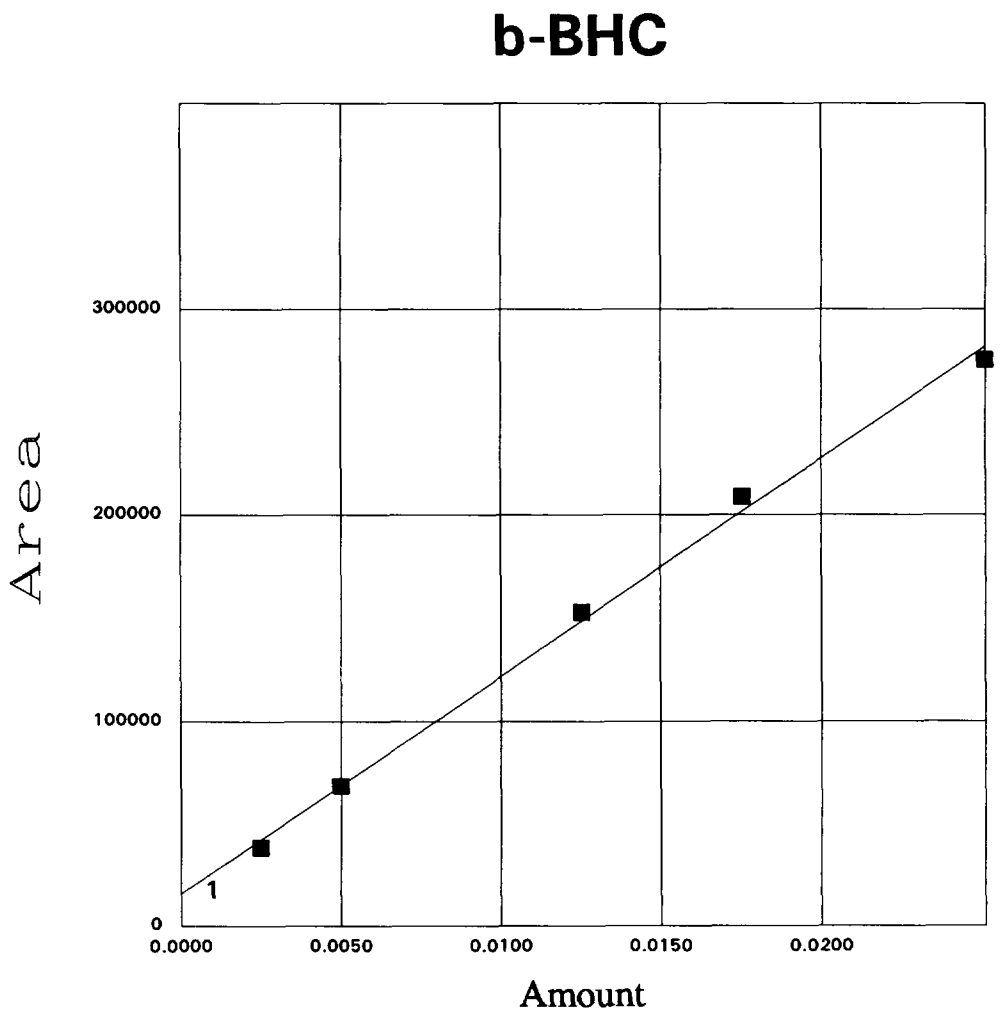
Calibration Curve = (24449.572266) + (22171416.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002227 | 0.000273 | 10.913 | 73829.000000 | 79878.117188 | -6049.117188 | -8.193 |
| 2 | 0.005000 | 0.004914 | 0.000086 | 1.719 | 133401.500000 | 135306.656250 | -1905.156250 | -1.428 |
| 3 | 0.012500 | 0.012768 | -0.000268 | -2.147 | 307542.000000 | 301592.312500 | 5949.687500 | 1.935 |
| 4 | 0.017500 | 0.018100 | -0.000600 | -3.431 | 425761.000000 | 412449.343750 | 13311.656250 | 3.127 |
| 5 | 0.025000 | 0.024490 | 0.000510 | 2.040 | 567428.000000 | 578735.000000 | -11307.000000 | -1.993 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:07 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996797
Calibration Curve = (16101.190430) + (10629288.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:07 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996797

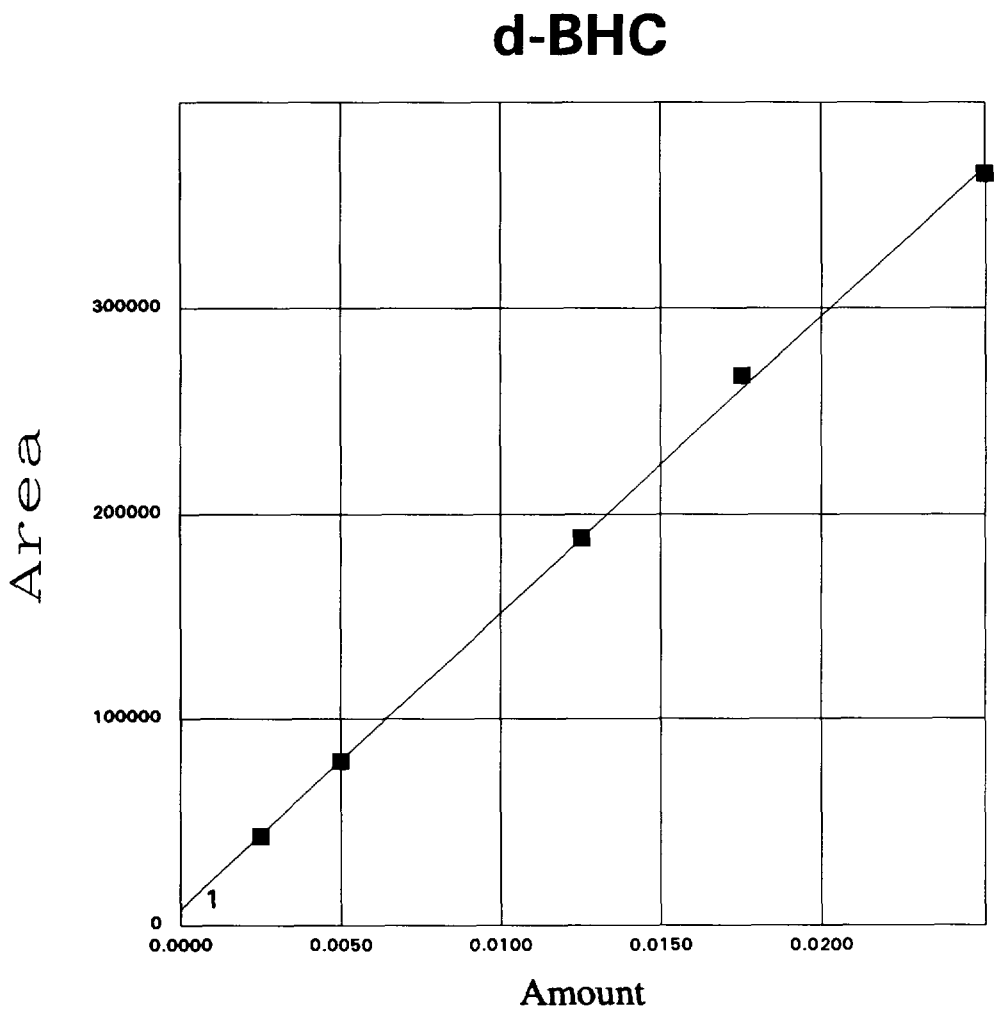
Calibration Curve = (16101.190430) + (10629288.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002104 | 0.000396 | 15.858 | 38460.500000 | 42674.414063 | -4213.914063 | -10.957 |
| 2 | 0.005000 | 0.004961 | 0.000039 | 0.780 | 68833.000000 | 69247.632813 | -414.632813 | -0.602 |
| 3 | 0.012500 | 0.012889 | -0.000389 | -3.112 | 153102.000000 | 148967.296875 | 4134.703125 | 2.701 |
| 4 | 0.017500 | 0.018145 | -0.000645 | -3.686 | 208970.000000 | 202113.734375 | 6856.265625 | 3.281 |
| 5 | 0.025000 | 0.024401 | 0.000599 | 2.394 | 275471.000000 | 281833.406250 | -6362.406250 | -2.310 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:08 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999254
Calibration Curve = (8032.644043) + (14459292.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:08 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999254

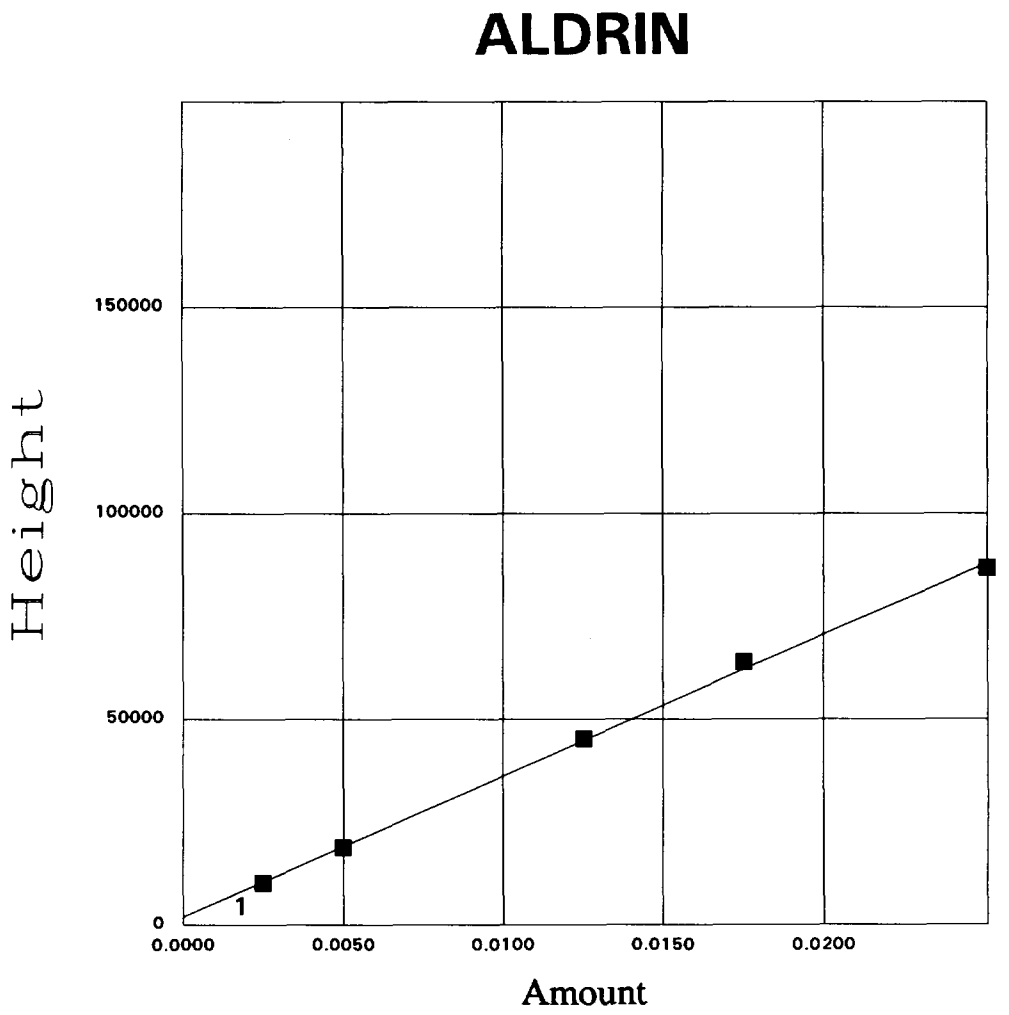
Calibration Curve = (8032.644043) + (14459292.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002423 | 0.000077 | 3.062 | 43074.000000 | 44180.875000 | -1106.875000 | -2.570 |
| 2 | 0.005000 | 0.004942 | 0.000058 | 1.168 | 79484.500000 | 80329.109375 | -844.609375 | -1.063 |
| 3 | 0.012500 | 0.012482 | 0.000019 | 0.148 | 188506.000000 | 188773.812500 | -267.812500 | -0.142 |
| 4 | 0.017500 | 0.017916 | -0.000416 | -2.379 | 267089.500000 | 261070.250000 | 6019.250000 | 2.254 |
| 5 | 0.025000 | 0.024737 | 0.000263 | 1.051 | 365715.000000 | 369514.968750 | -3799.968750 | -1.039 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:08 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998812
Calibration Curve = (2268.998047) + (3428099.500000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:08 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998812

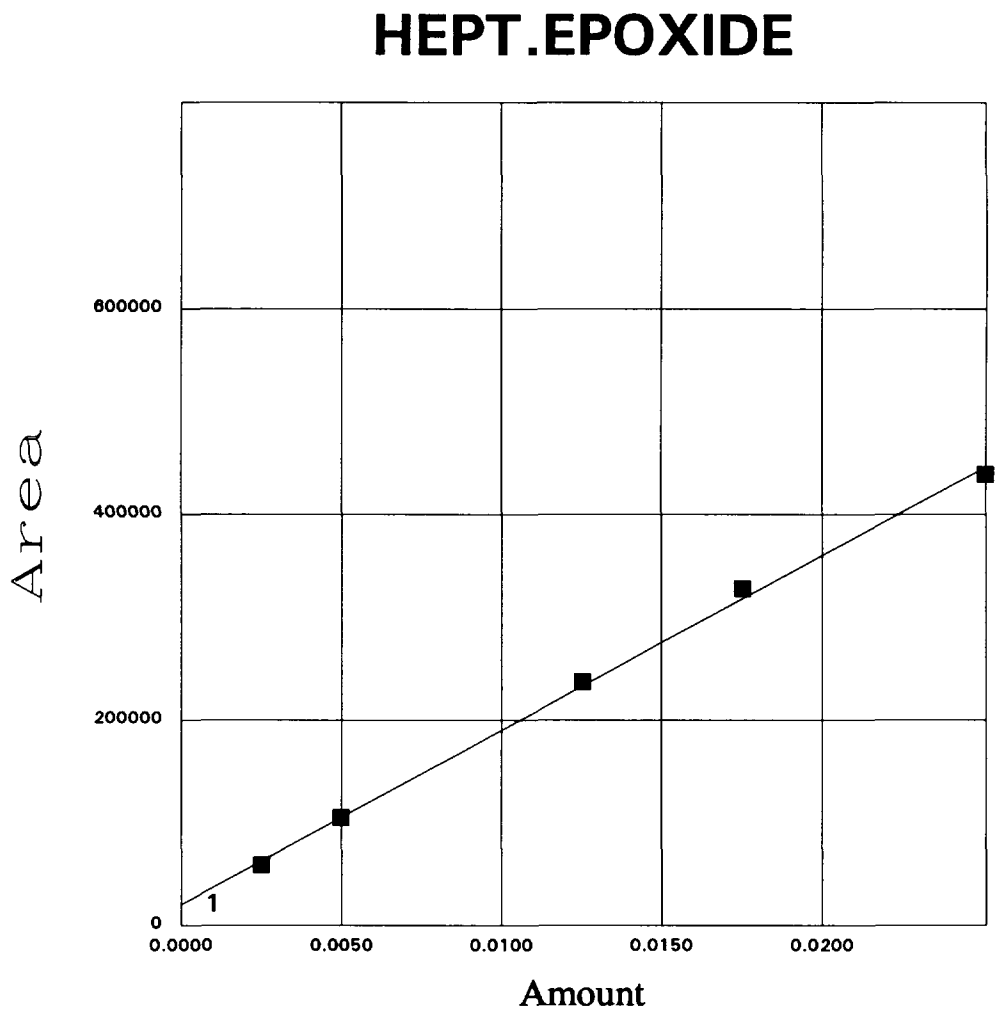
Calibration Curve = (2268.998047) + (3428099.500000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002380 | 0.000120 | 4.800 | 10427.885742 | 10839.247070 | -411.361328 | -3.945 |
| 2 | 0.005000 | 0.004894 | 0.000106 | 2.127 | 19044.992188 | 19409.496094 | -364.503906 | -1.914 |
| 3 | 0.012500 | 0.012592 | -0.000092 | -0.734 | 45434.945313 | 45120.246094 | 314.699219 | 0.693 |
| 4 | 0.017500 | 0.017991 | -0.000491 | -2.803 | 63942.339844 | 62260.738281 | 1681.601563 | 2.630 |
| 5 | 0.025000 | 0.024644 | 0.000356 | 1.424 | 86751.062500 | 87971.492188 | -1220.429688 | -1.407 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:08 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998205
Calibration Curve = (21110.783203) + (17027424.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:08 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998205

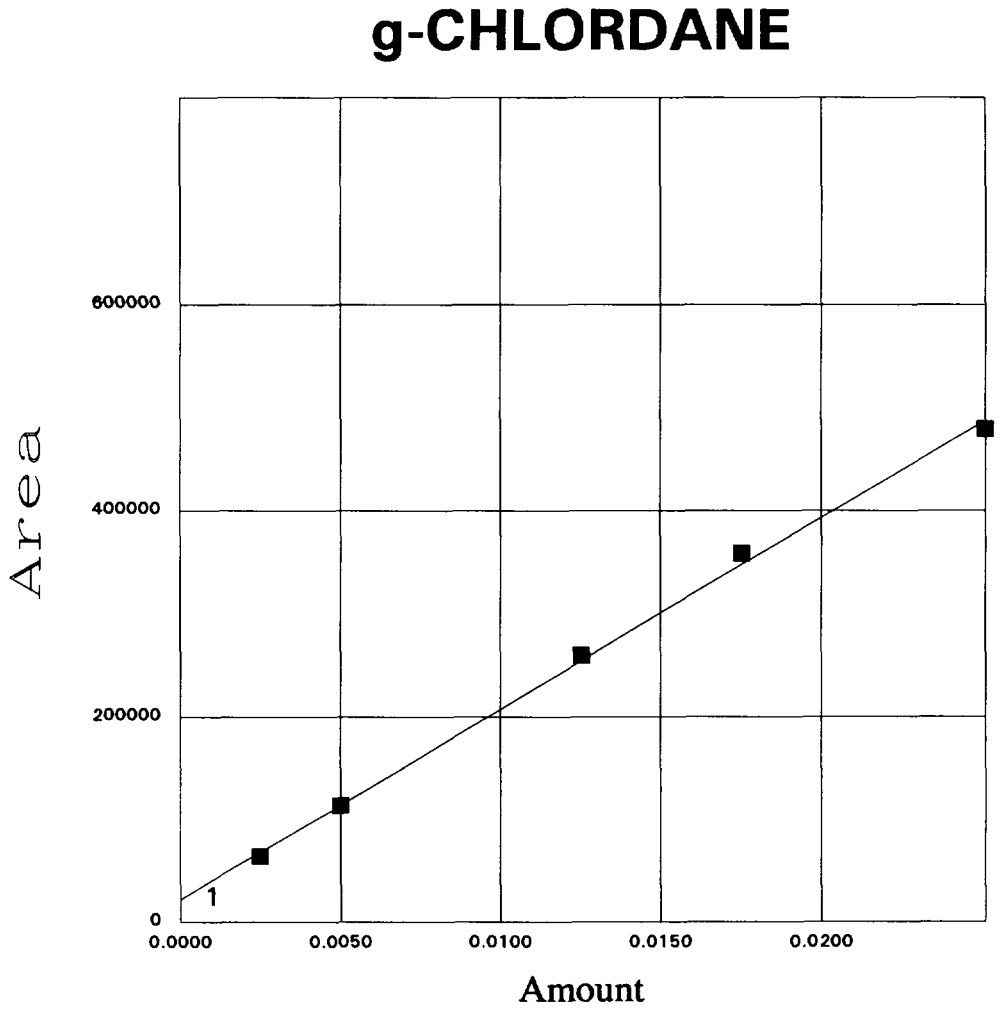
Calibration Curve = (21110.783203) + (17027424.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002233 | 0.000267 | 10.675 | 59135.000000 | 63679.347656 | -4544.347656 | -7.685 |
| 2 | 0.005000 | 0.004958 | 0.000042 | 0.836 | 105536.500000 | 106247.906250 | -711.406250 | -0.674 |
| 3 | 0.012500 | 0.012731 | -0.000231 | -1.844 | 237879.031250 | 233953.609375 | 3925.421875 | 1.650 |
| 4 | 0.017500 | 0.018028 | -0.000528 | -3.016 | 328078.468750 | 319090.718750 | 8987.750000 | 2.740 |
| 5 | 0.025000 | 0.024550 | 0.000450 | 1.799 | 439139.000000 | 446796.406250 | -7657.406250 | -1.744 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:08 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998171
Calibration Curve = (22658.728516) + (18604340.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:09 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998171

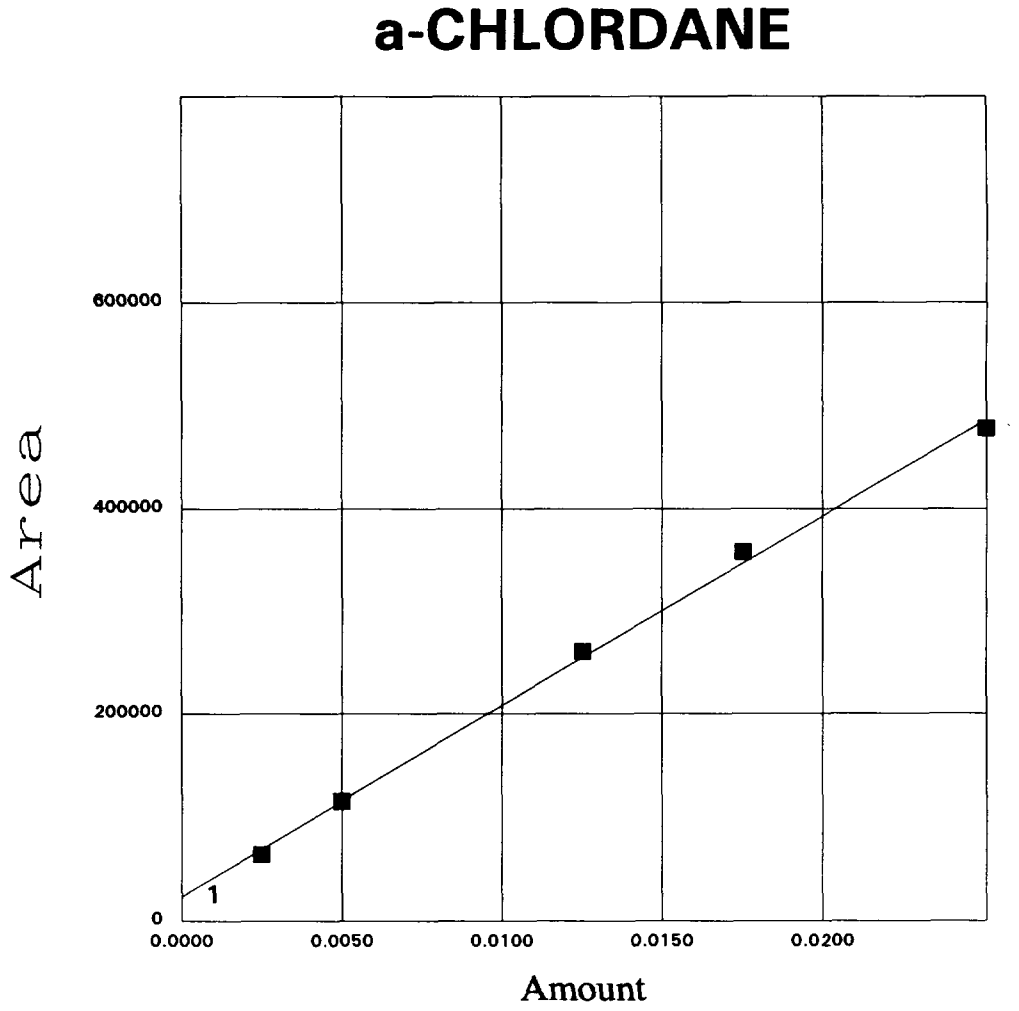
Calibration Curve = (22658.728516) + (18604340.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002235 | 0.000265 | 10.603 | 64238.000000 | 69169.578125 | -4931.578125 | -7.677 |
| 2 | 0.005000 | 0.004949 | 0.000051 | 1.025 | 114726.968750 | 115680.437500 | -953.468750 | -0.831 |
| 3 | 0.012500 | 0.012741 | -0.000241 | -1.931 | 259704.000000 | 255213.000000 | 4491.000000 | 1.729 |
| 4 | 0.017500 | 0.018030 | -0.000530 | -3.026 | 358087.000000 | 348234.687500 | 9852.312500 | 2.751 |
| 5 | 0.025000 | 0.024545 | 0.000455 | 1.819 | 479309.000000 | 487767.281250 | -8458.281250 | -1.765 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:09 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997867
Calibration Curve = (24015.343750) + (18543140.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:09 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997867

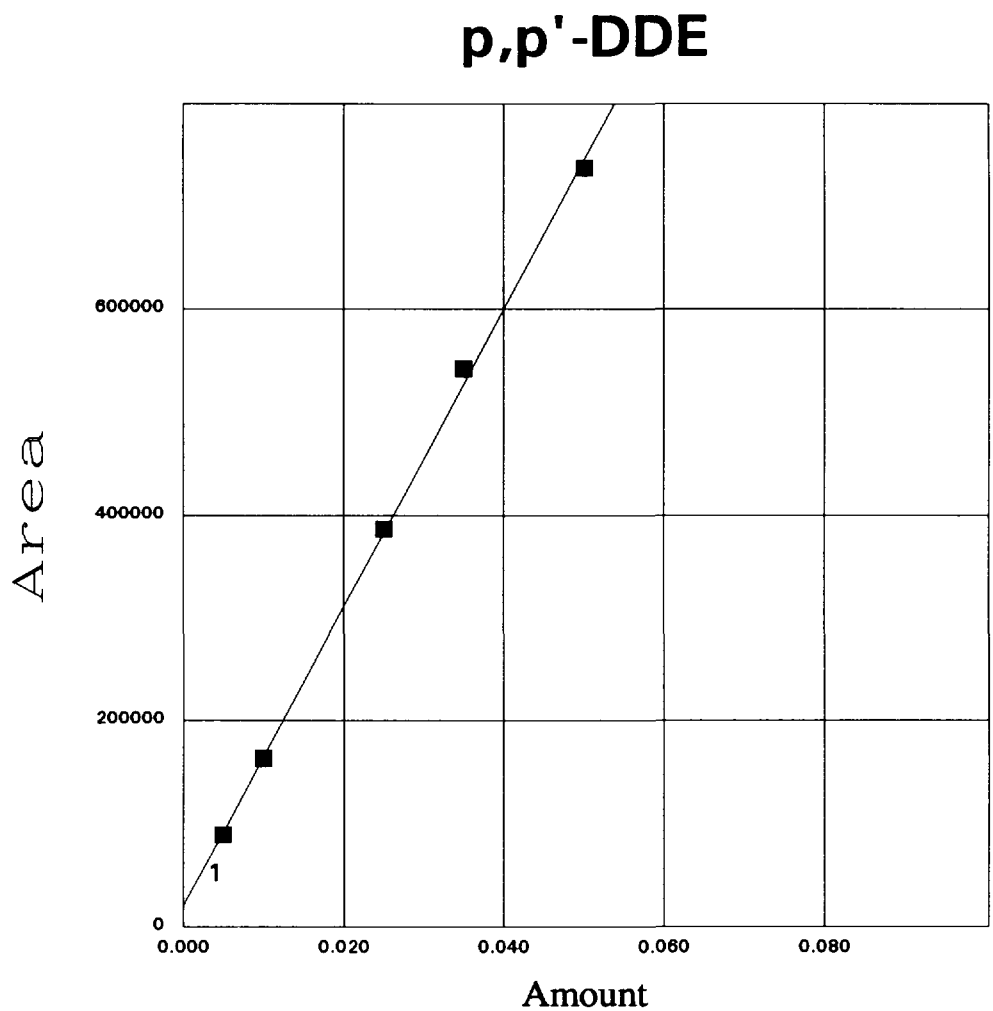
Calibration Curve = (24015.343750) + (18543140.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002205 | 0.000295 | 11.794 | 64906.000000 | 70373.195313 | -5467.195313 | -8.423 |
| 2 | 0.005000 | 0.004945 | 0.000056 | 1.111 | 115701.000000 | 116731.046875 | -1030.046875 | -0.890 |
| 3 | 0.012500 | 0.012787 | -0.000287 | -2.292 | 261118.000000 | 255804.609375 | 5313.390625 | 2.035 |
| 4 | 0.017500 | 0.018055 | -0.000555 | -3.172 | 358813.000000 | 348520.281250 | 10292.718750 | 2.869 |
| 5 | 0.025000 | 0.024509 | 0.000491 | 1.965 | 478485.000000 | 487593.875000 | -9108.875000 | -1.904 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:09 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998896
Calibration Curve = (21824.619141) + (14499382.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:09 AM

Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998896

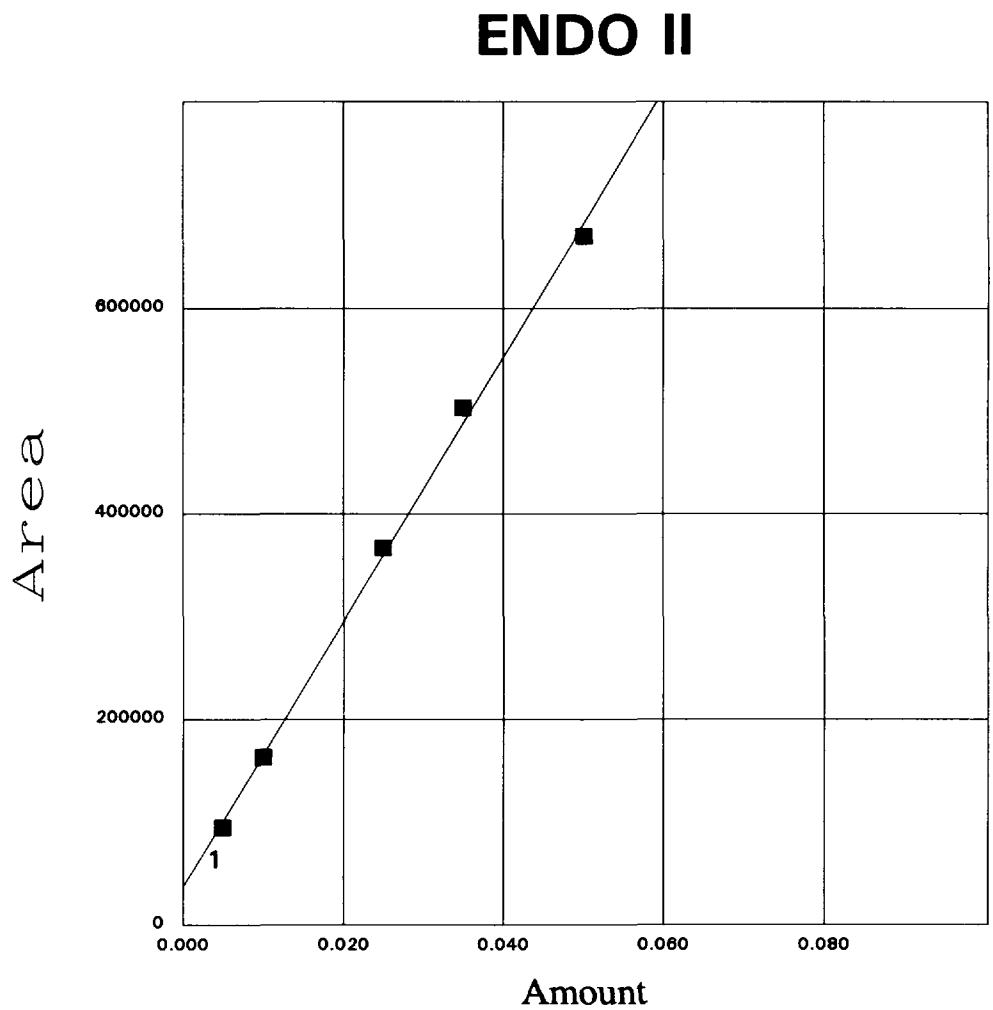
Calibration Curve = (21824.619141) + (14499382.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004753 | 0.000247 | 4.938 | 90742.000000 | 94321.531250 | -3579.531250 | -3.945 |
| 2 | 0.010000 | 0.009805 | 0.000195 | 1.946 | 163997.500000 | 166818.453125 | -2820.953125 | -1.720 |
| 3 | 0.025000 | 0.025193 | -0.000193 | -0.770 | 387100.500000 | 384309.187500 | 2791.312500 | 0.721 |
| 4 | 0.035000 | 0.035939 | -0.000939 | -2.682 | 542912.000000 | 529303.000000 | 13609.000000 | 2.507 |
| 5 | 0.050000 | 0.049310 | 0.000690 | 1.379 | 736794.000000 | 746793.812500 | -9999.812500 | -1.357 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:09 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998046
Calibration Curve = (37594.031250) + (12903538.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:09 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998046

Calibration Curve = (37594.031250) + (12903538.000000)X

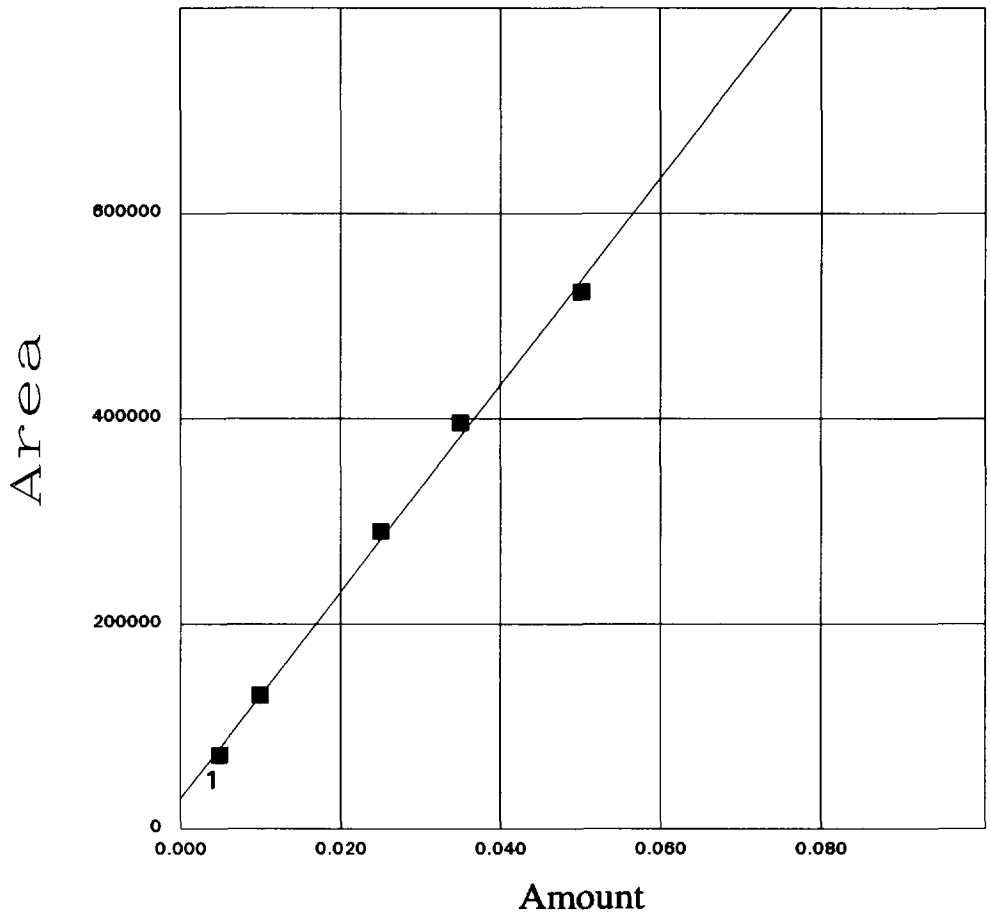
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004517 | 0.000483 | 9.665 | 95876.000000 | 102111.726563 | -6235.726563 | -6.504 |
| 2 | 0.010000 | 0.009803 | 0.000197 | 1.974 | 164082.000000 | 166629.421875 | -2547.421875 | -1.553 |
| 3 | 0.025000 | 0.025528 | -0.000528 | -2.112 | 366995.000000 | 360182.500000 | 6812.500000 | 1.856 |
| 4 | 0.035000 | 0.036096 | -0.001096 | -3.132 | 503364.000000 | 489217.875000 | 14146.125000 | 2.810 |
| 5 | 0.050000 | 0.049056 | 0.000944 | 1.887 | 670595.500000 | 682771.000000 | -12175.500000 | -1.816 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:09 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997129
Calibration Curve = (30371.287109) + (10104954.000000)X

# ENDRIN ALD



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:10 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997129

Calibration Curve = (30371.287109) + (10104954.000000)X

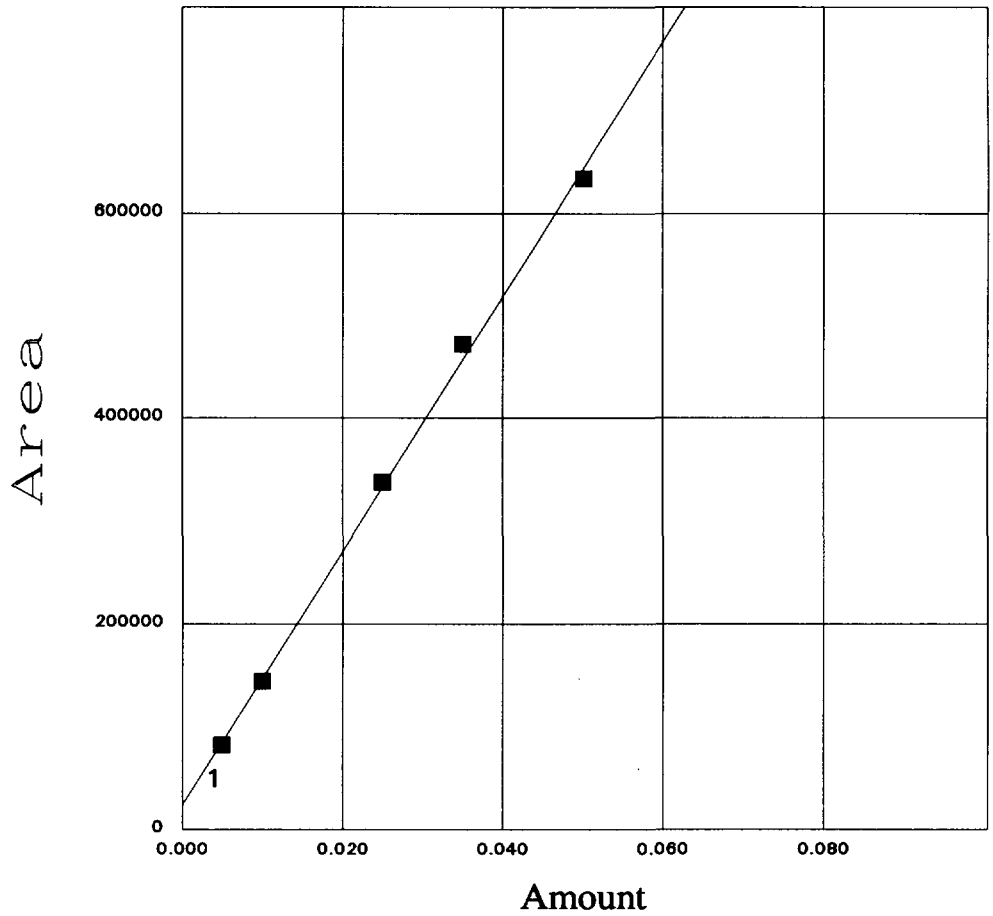
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004229 | 0.000771 | 15.428 | 73101.000000 | 80896.062500 | -7795.062500 | -10.663 |
| 2 | 0.010000 | 0.009965 | 0.000035 | 0.352 | 131065.437500 | 131420.828125 | -355.390625 | -0.271 |
| 3 | 0.025000 | 0.025707 | -0.000707 | -2.826 | 290134.000000 | 282995.156250 | 7138.843750 | 2.461 |
| 4 | 0.035000 | 0.036231 | -0.001231 | -3.516 | 396479.500000 | 384044.687500 | 12434.812500 | 3.136 |
| 5 | 0.050000 | 0.048870 | 0.001131 | 2.261 | 524195.812500 | 535619.062500 | -11423.250000 | -2.179 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:10 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998237
Calibration Curve = (24322.326172) + (12400048.000000)X

# END SULFATE



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:10 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998237

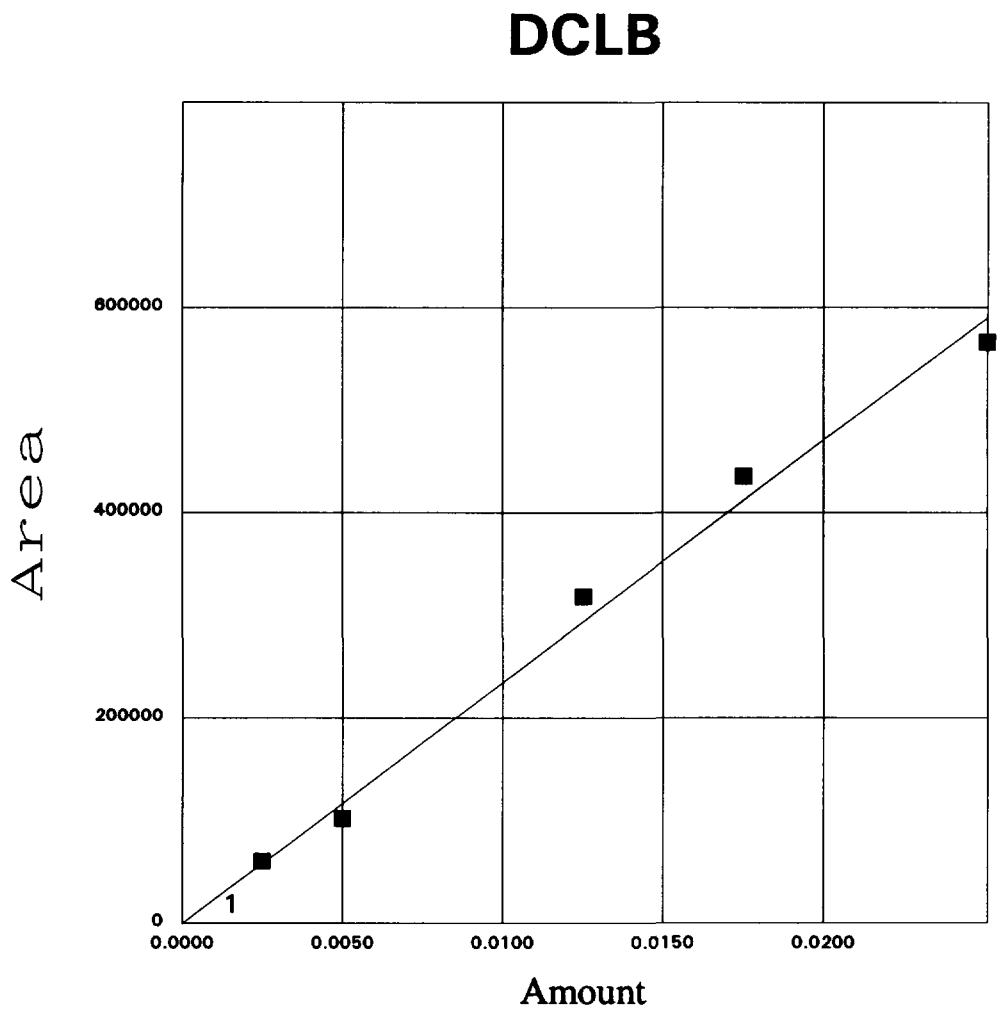
Calibration Curve = (24322.326172) + (12400048.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004684 | 0.000316 | 6.324 | 82402.000000 | 86322.570313 | -3920.570313 | -4.758 |
| 2 | 0.010000 | 0.009735 | 0.000265 | 2.646 | 145041.562500 | 148322.812500 | -3281.250000 | -2.262 |
| 3 | 0.025000 | 0.025294 | -0.000294 | -1.174 | 337963.000000 | 334323.562500 | 3639.437500 | 1.077 |
| 4 | 0.035000 | 0.036165 | -0.001165 | -3.329 | 472770.000000 | 458324.000000 | 14446.000000 | 3.056 |
| 5 | 0.050000 | 0.049122 | 0.000878 | 1.755 | 633441.187500 | 644324.812500 | -10883.625000 | -1.718 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:10 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.990234
Calibration Curve = (23603082.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1PESTB.SMP"
Date: 9/27/94 Time: 11:10 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.990234

Calibration Curve = (23603082.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002601 | -0.000101 | -4.019 | 61379.000000 | 59007.710938 | 2371.289063 | 3.863 |
| 2 | 0.005000 | 0.004370 | 0.000631 | 12.611 | 103133.000000 | 118015.421875 | -14882.421875 | -14.430 |
| 3 | 0.012500 | 0.013500 | -0.001000 | -7.998 | 318637.000000 | 295038.562500 | 23598.437500 | 7.406 |
| 4 | 0.017500 | 0.018426 | -0.000926 | -5.289 | 434900.000000 | 413053.937500 | 21846.062500 | 5.023 |
| 5 | 0.025000 | 0.023968 | 0.001032 | 4.127 | 565725.000000 | 590077.125000 | -24352.125000 | -4.305 |

Software Version: 3.1 <2A23>
Sample Name : PEST B L1 Time : 9/28/94 12:36 PM
Sample Number: 10 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 09:52 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_010.raw
Result File : C:\2700\DATA2\2AL_010.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.53 | TCMX | 0.0023 | 98616 | 20856 | MIREX | 4.3010e7 |
| 3 | 8.89 | b-BHC | 0.0020 | 38342 | 7814 | MIREX | 1.9290e7 |
| 4 | 9.53 | d-BHC | 0.0023 | 36004 | 7283 | MIREX | 1.5816e7 |
| 5 | 11.51 | ALDRIN | 0.0025 | 60472 | 11008 | MIREX | 2.4613e7 |
| 6 | 12.40 | HEPT.EPOXIDE | 0.0022 | 41375 | 7064 | MIREX | 1.8585e7 |
| 7 | 12.98 | g-CHLORDANE | 0.0022 | 56959 | 9208 | MIREX | 2.5420e7 |
| 8 | 13.37 | a-CHLORDANE | 0.0023 | 58519 | 9584 | MIREX | 2.5267e7 |
| 9 | 13.75 | p,p'-DDE | 0.0048 | 129995 | 21844 | MIREX | 2.6833e7 |
| 10 | 14.83 | ENDO II | 0.0043 | 53225 | 7950 | MIREX | 1.2407e7 |
| 11 | 15.32 | ENDRIN ALD | 0.0042 | 41007 | 5950 | MIREX | 9.7627e6 |
| 12 | 16.01 | END SULFATE | 0.0053 | 75848 | 10582 | MIREX | 1.4395e7 |
| 13 | 17.66 | ENDRIN KETON | 0.0041 | 45013 | 5254 | MIREX | 1.1108e7 |
| 14 | 20.22 | MIREX | 0.0000 | 1000477 | 78346 | MIREX | ------- |
| 15 | 28.83 | DCLB | 0.0024 | 59001 | 3514 | MIREX | 2.4213e7 |
| | | | 0.0409 | 1794852 | 206257 | | 2.7072e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

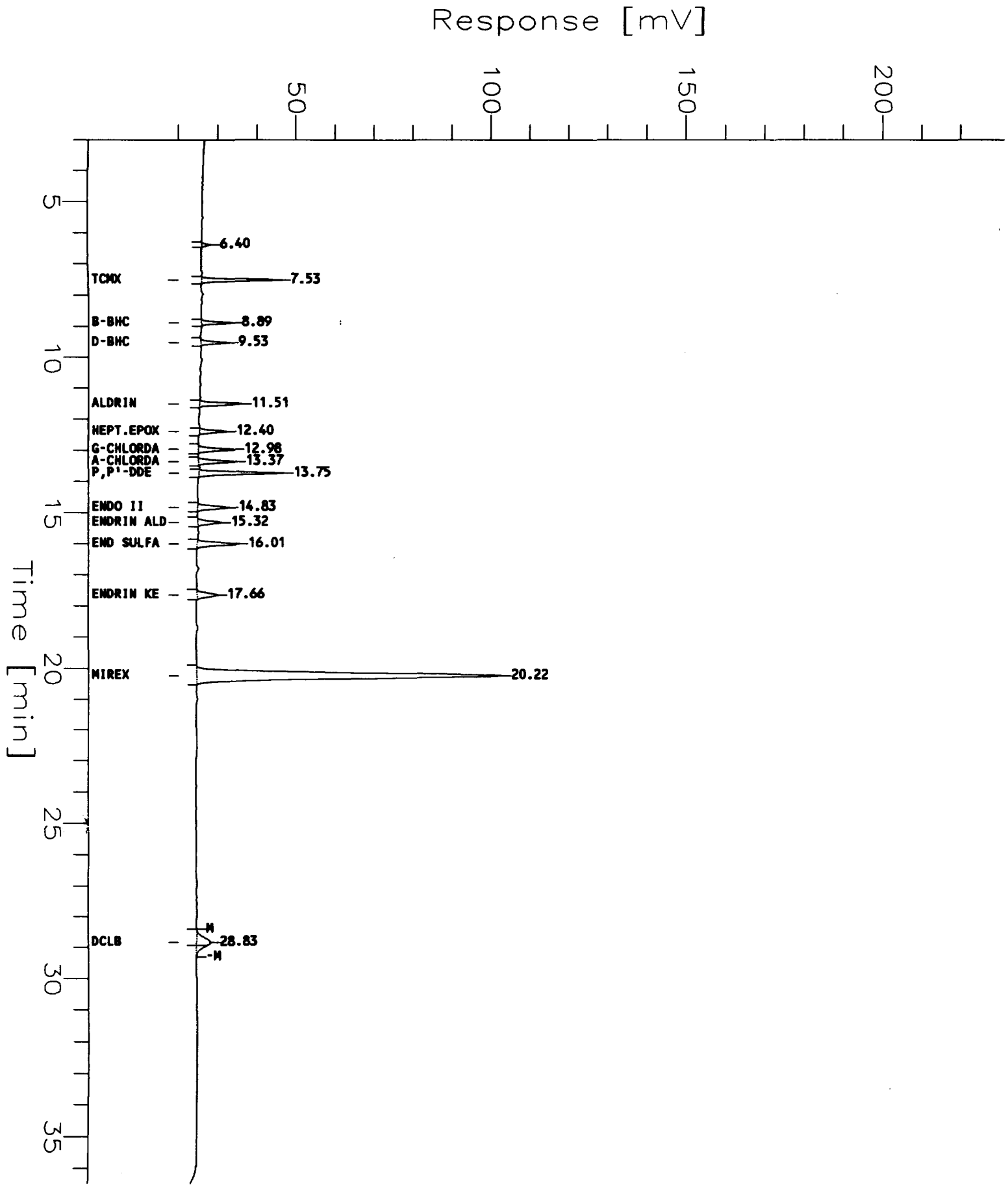
# Chromatogram

Sample Name : PEST B L1
FileName : C:\2700\DATA2\2AL_010.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 10
Date : 9/28/94 12:36 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L2 Time : 9/28/94 12:38 PM
Sample Number: 11 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 10:35 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_011.raw
Result File : C:\2700\DATA2\2AL_011.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.53 | TCMX | 0.0049 | 189815 | 40050 | MIREX | 3.8642e7 |
| 3 | 8.89 | b-BHC | 0.0050 | 69508 | 13902 | MIREX | 1.3925e7 |
| 4 | 9.53 | d-BHC | 0.0051 | 69153 | 13672 | MIREX | 1.3497e7 |
| 5 | 11.51 | ALDRIN | 0.0049 | 116362 | 21275 | MIREX | 2.3721e7 |
| 6 | 12.40 | HEPT.EPOXIDE | 0.0050 | 74273 | 12627 | MIREX | 1.4876e7 |
| 7 | 12.98 | g-CHLORDANE | 0.0050 | 105992 | 16853 | MIREX | 2.1357e7 |
| 8 | 13.37 | a-CHLORDANE | 0.0049 | 111855 | 18100 | MIREX | 2.2625e7 |
| 9 | 13.75 | p,p'-DDE | 0.0097 | 259717 | 43631 | MIREX | 2.6720e7 |
| 10 | 14.83 | ENDO II | 0.0101 | 96644 | 14100 | MIREX | 9.6101e6 |
| 11 | 15.32 | ENDRIN ALD | 0.0101 | 75494 | 10676 | MIREX | 7.4749e6 |
| 12 | 16.01 | END SULFATE | 0.0100 | 151645 | 21296 | MIREX | 1.5228e7 |
| 13 | 17.66 | ENDRIN KETON | 0.0102 | 86639 | 9577 | MIREX | 8.4693e6 |
| 14 | 20.22 | MIREX | 0.0000 | 983727 | 76771 | MIREX | ------- |
| 15 | 28.83 | DCLB | 0.0044 | 105383 | 6564 | MIREX | 2.4213e7 |
| | | | 0.0893 | 2496205 | 319091 | | 2.4036e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

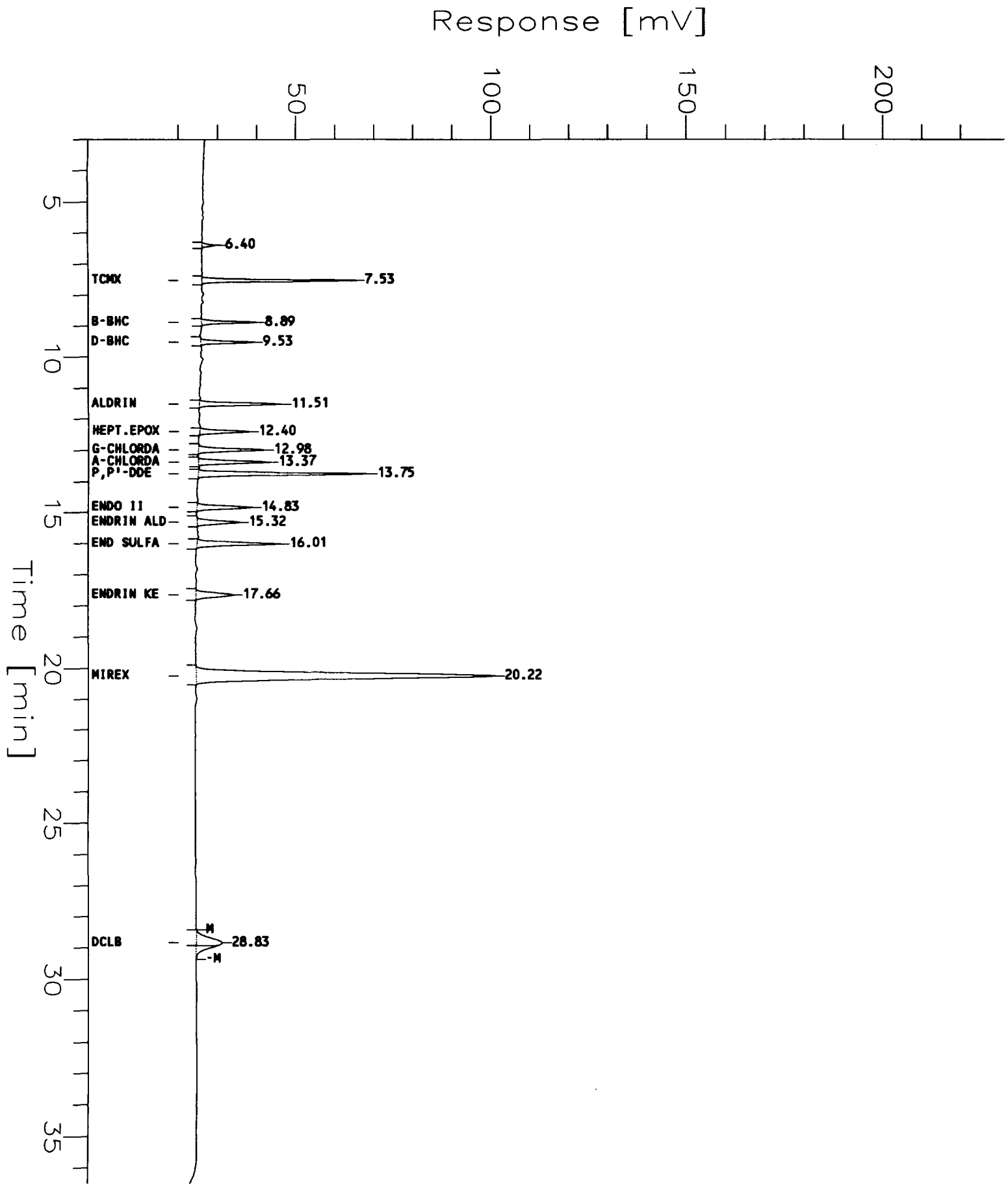
# Chromatogram

Sample Name : PEST B L2
FileName : C:\2700\DATA2\2AL_011.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 11
Date : 9/28/94 12:38 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L3 Time : 9/28/94 12:32 PM
Sample Number: 12 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 11:19 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_012.raw
Result File : C:\2700\DATA2\2AL_012.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.53 | TCMX | 0.0127 | 461936 | 97061 | MIREX | 3.6295e7 |
| 3 | 8.89 | b-BHC | 0.0130 | 152984 | 30001 | MIREX | 1.1735e7 |
| 4 | 9.53 | d-BHC | 0.0125 | 155348 | 30554 | MIREX | 1.2401e7 |
| 5 | 11.51 | ALDRIN | 0.0125 | 290145 | 53019 | MIREX | 2.3176e7 |
| 6 | 12.41 | HEPT.EPOXIDE | 0.0127 | 165380 | 27591 | MIREX | 1.3069e7 |
| 7 | 12.98 | g-CHLORDANE | 0.0127 | 245894 | 39220 | MIREX | 1.9316e7 |
| 8 | 13.37 | a-CHLORDANE | 0.0127 | 268602 | 43139 | MIREX | 2.1206e7 |
| 9 | 13.75 | p,p'-DDE | 0.0252 | 671228 | 110943 | MIREX | 2.6651e7 |
| 10 | 14.83 | ENDO II | 0.0257 | 214233 | 30902 | MIREX | 8.3443e6 |
| 11 | 15.32 | ENDRIN ALD | 0.0257 | 166816 | 22921 | MIREX | 6.4856e6 |
| 12 | 16.01 | END SULFATE | 0.0244 | 385647 | 54400 | MIREX | 1.5783e7 |
| 13 | 17.66 | ENDRIN KETON | 0.0257 | 191025 | 20457 | MIREX | 7.4267e6 |
| 14 | 20.22 | MIREX | 0.0000 | 987130 | 76899 | MIREX | ------- |
| 15 | 28.83 | DCLB | 0.0122 | 296294 | 14281 | MIREX | 2.4213e7 |
| | | | 0.2278 | 4652660 | 651388 | | 2.2610e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

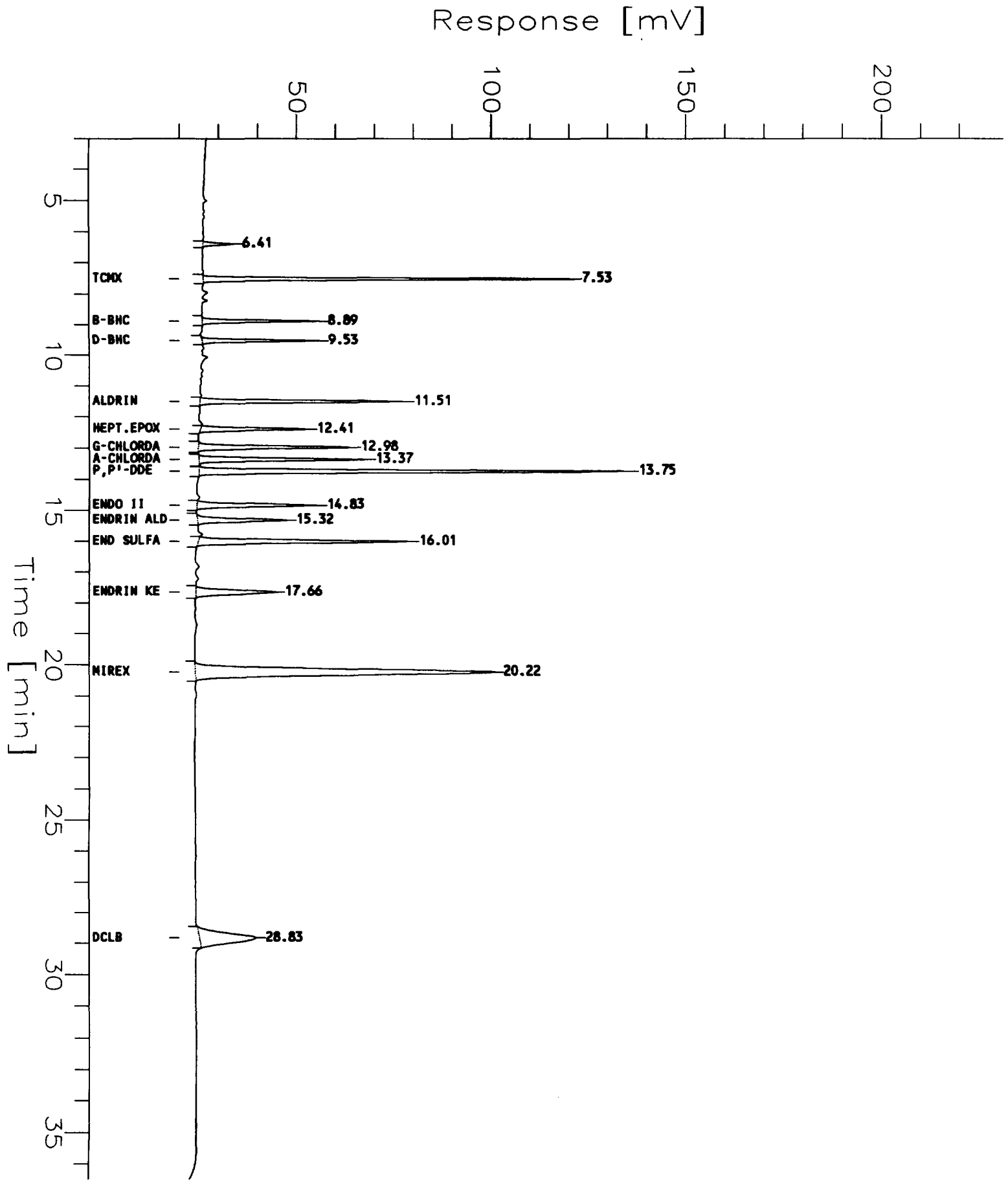
# Chromatogram

Sample Name : PEST B L3
FileName : C:\2700\DATA2\2AL_012.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 12
Date : 9/28/94 12:32 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L4 Time : 9/28/94 12:32 PM
Sample Number: 13 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:01 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_013.raw
Result File : C:\2700\DATA2\2AL_013.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.53 | TCMX | 0.0180 | 644743 | 134506 | MIREX | 3.5864e7 |
| 3 | 8.89 | b-BHC | 0.0182 | 206216 | 40360 | MIREX | 1.1351e7 |
| 4 | 9.53 | d-BHC | 0.0178 | 216702 | 42612 | MIREX | 1.2176e7 |
| 5 | 11.51 | ALDRIN | 0.0179 | 411850 | 75262 | MIREX | 2.3072e7 |
| 6 | 12.40 | HEPT.EPOXIDE | 0.0181 | 229963 | 37515 | MIREX | 1.2715e7 |
| 7 | 12.98 | g-CHLORDANE | 0.0180 | 340721 | 54319 | MIREX | 1.8935e7 |
| 8 | 13.37 | a-CHLORDANE | 0.0179 | 375341 | 59990 | MIREX | 2.0939e7 |
| 9 | 13.74 | p,p'-DDE | 0.0359 | 956432 | 156457 | MIREX | 2.6638e7 |
| 10 | 14.83 | ENDO II | 0.0359 | 290901 | 42109 | MIREX | 8.1128e6 |
| 11 | 15.32 | ENDRIN ALD | 0.0359 | 226510 | 30864 | MIREX | 6.3038e6 |
| 12 | 16.01 | END SULFATE | 0.0353 | 560493 | 78653 | MIREX | 1.5900e7 |
| 13 | 17.66 | ENDRIN KETON | 0.0360 | 260482 | 27791 | MIREX | 7.2297e6 |
| 14 | 20.22 | MIREX | 0.0000 | 994655 | 77280 | MIREX | ------- |
| 15 | 28.83 | DCLB | 0.0180 | 435588 | 20194 | MIREX | 2.4213e7 |
| | | | 0.3228 | 6150597 | 877912 | | 2.2345e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

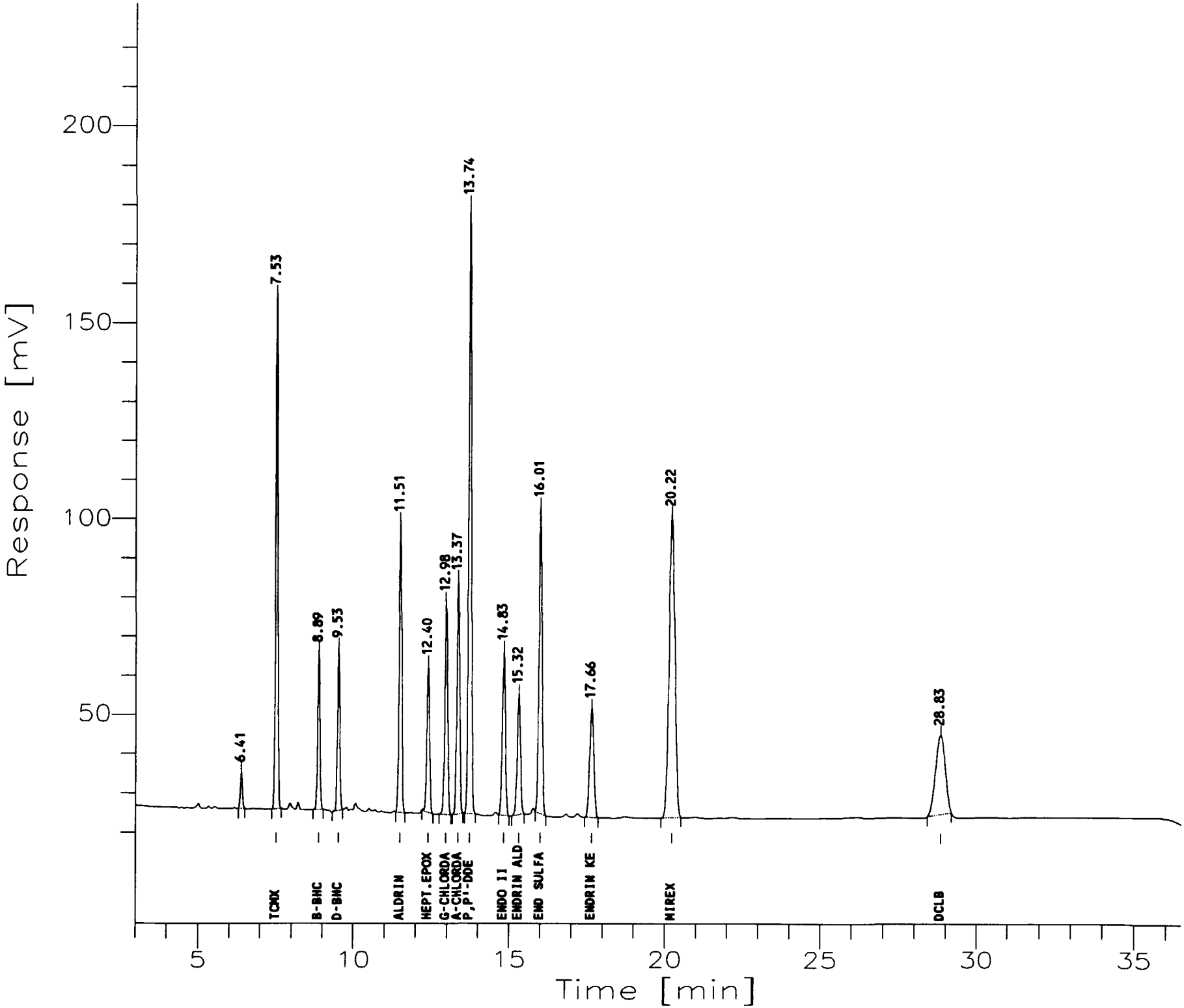
All Components Were Found

Chromatogram

Sample Name : PEST B L4
FileName : C:\2700\DATA2\2AL_013.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 13
Date : 9/28/94 12:32 PM
Low Point : 20.00 mV
Plot Scale: 200 mV

Page 1 of 1
High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L5 Time : 9/28/94 12:32 PM
Sample Number: 14 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:44 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_014.raw
Result File : C:\2700\DATA2\2AL_014.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.53 | TCMX | 0.0246 | 875007 | 179114 | MIREX | 3.5583e7 |
| 4 | 8.89 | b-BHC | 0.0243 | 270048 | 52745 | MIREX | 1.1104e7 |
| 5 | 9.52 | d-BHC | 0.0248 | 297966 | 58554 | MIREX | 1.2026e7 |
| 6 | 11.51 | ALDRIN | 0.0248 | 569762 | 104509 | MIREX | 2.3003e7 |
| 7 | 12.40 | HEPT.EPOXIDE | 0.0245 | 306759 | 50210 | MIREX | 1.2499e7 |
| 8 | 12.98 | g-CHLORDANE | 0.0246 | 459215 | 73984 | MIREX | 1.8688e7 |
| 9 | 13.37 | a-CHLORDANE | 0.0247 | 511819 | 82066 | MIREX | 2.0764e7 |
| 10 | 13.74 | p,p'-DDE | 0.0494 | 1314081 | 214017 | MIREX | 2.6630e7 |
| 11 | 14.83 | ENDO II | 0.0491 | 390789 | 55942 | MIREX | 7.9552e6 |
| 12 | 15.32 | ENDRIN ALD | 0.0491 | 303181 | 40925 | MIREX | 6.1814e6 |
| 13 | 16.01 | END SULFATE | 0.0501 | 800383 | 111497 | MIREX | 1.5978e7 |
| 14 | 17.66 | ENDRIN KETON | 0.0490 | 347665 | 36691 | MIREX | 7.0998e6 |
| 15 | 20.23 | MIREX | 0.0000 | 984201 | 76429 | MIREX | ------- |
| 16 | 28.83 | DCLB | 0.0249 | 603911 | 27517 | MIREX | 2.4213e7 |
| | | | 0.4437 | 8034785 | 1.e16 | | 2.2172e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

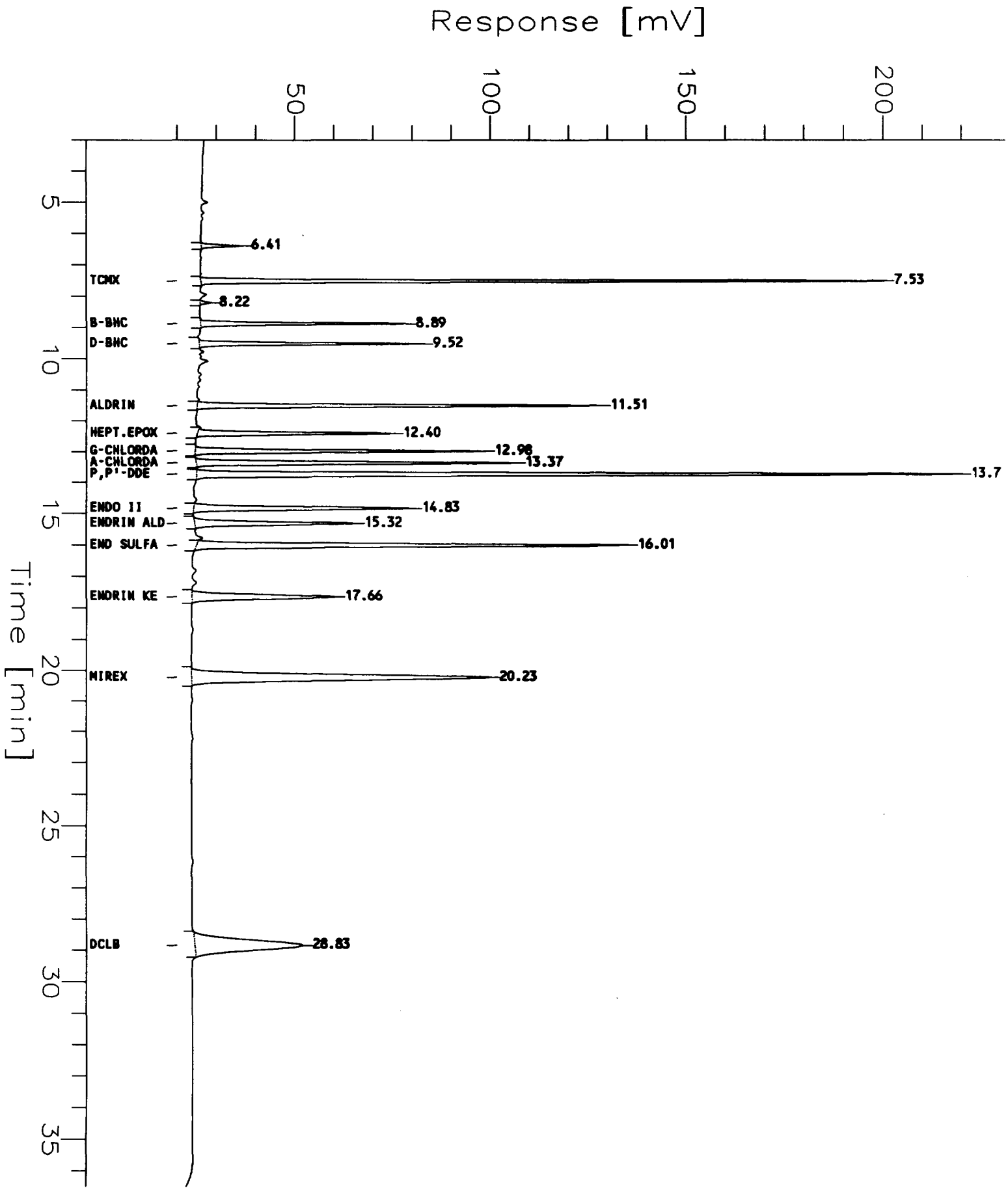
# Chromatogram

Sample Name : PEST B L5
FileName : C:\2700\DATA2\2AL_014.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 14
Date : 9/28/94 12:33 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L3 #1 Time : 9/29/94 12:09 PM
Sample Number: 39 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 06:39 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_039.raw
Result File : C:\2700\DATA2\2AL_039.rst SECONDARY COLUMN
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 4 | 7.52 | TCMX | 0.0128 | 465983 | 97553 | MIREX | 3.6281e7 |
| 5 | 8.89 | b-BHC | 0.0128 | 150611 | 29962 | MIREX | 1.1759e7 |
| 6 | 9.52 | d-BHC | 0.0136 | 168180 | 33005 | MIREX | 1.2339e7 |
| 8 | 11.51 | ALDRIN | 0.0129 | 299475 | 55138 | MIREX | 2.3165e7 |
| 9 | 12.40 | HEPT.EPOXIDE | 0.0140 | 181316 | 29877 | MIREX | 1.2956e7 |
| 10 | 12.98 | g-CHLORDANE | 0.0133 | 256430 | 41143 | MIREX | 1.9259e7 |
| 11 | 13.37 | a-CHLORDANE | 0.0131 | 278112 | 44697 | MIREX | 2.1173e7 |
| 13 | 13.74 | p,p'-DDE | 0.0264 | 702398 | 116269 | MIREX | 2.6649e7 |
| 14 | 14.83 | ENDO II | 0.0277 | 229809 | 32977 | MIREX | 8.2835e6 |
| 15 | 15.32 | ENDRIN ALD | 0.0298 | 190664 | 25870 | MIREX | 6.3980e6 |
| 16 | 16.01 | END SULFATE | 0.0275 | 434421 | 60281 | MIREX | 1.5825e7 |
| 18 | 17.65 | ENDRIN KETON | 0.0287 | 211344 | 22295 | MIREX | 7.3544e6 |
| 19 | 20.22 | MIREX | 0.0000 | 982875 | 76154 | MIREX | ------- |
| 20 | 28.81 | DCLB | 0.0132 | 320140 | 15307 | MIREX | 2.4222e7 |
| | | | 0.2460 | 4871756 | 680527 | | 2.2566e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

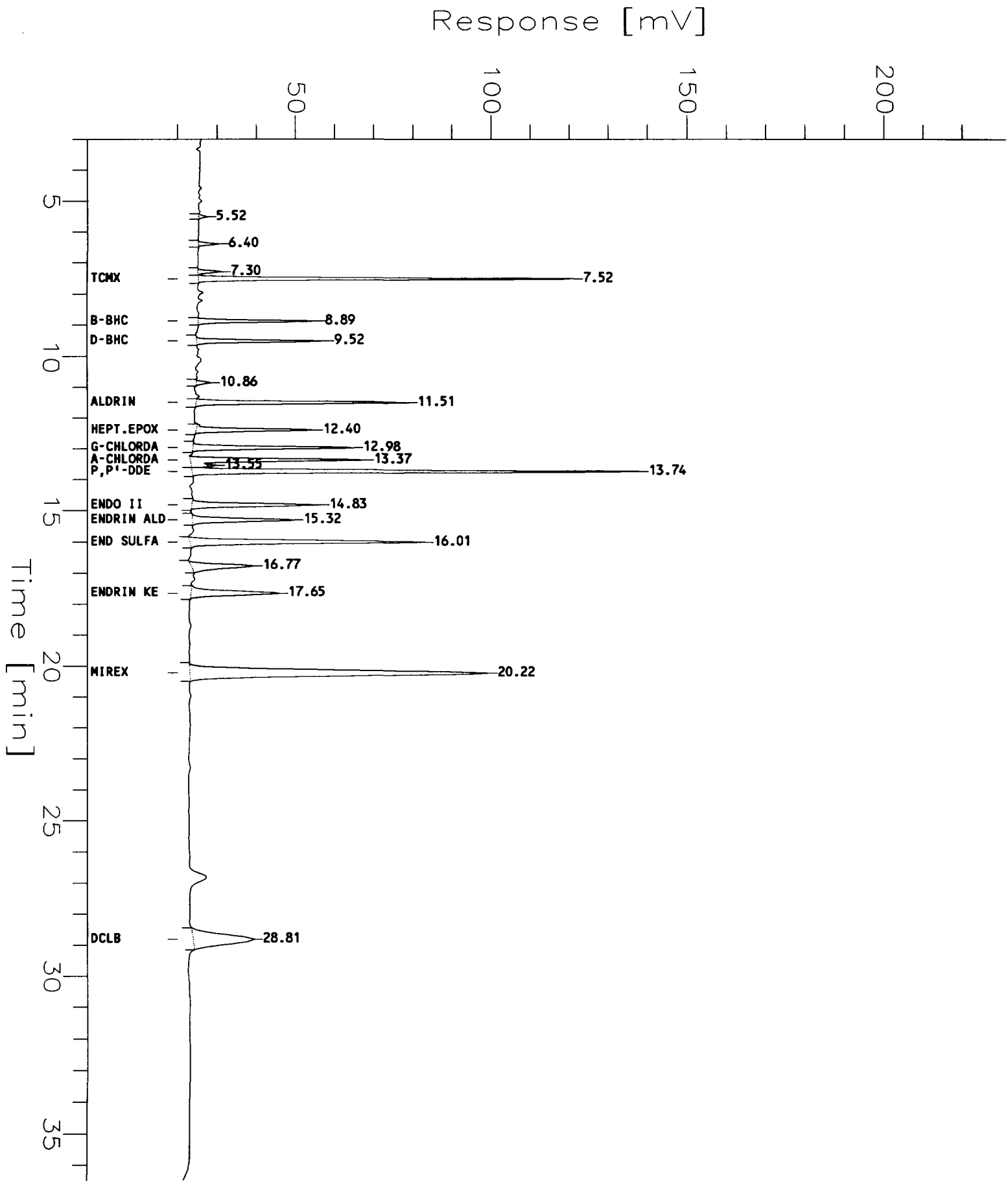
# Chromatogram

Sample Name : PEST B L3 #1
FileName : C:\2700\DATA2\2AL_039.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 39
Date : 9/29/94 12:09 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV

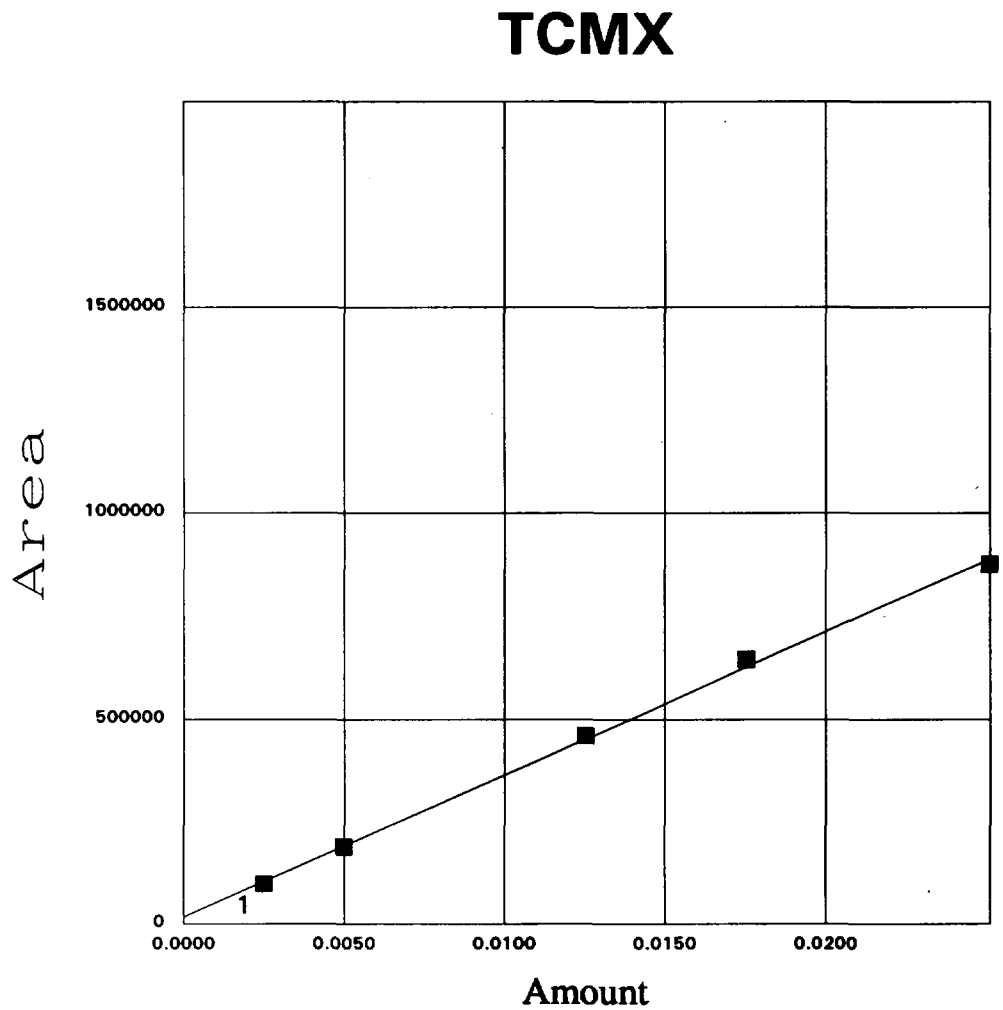


CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:48 AM

Curve Parameters:

SECONDARY COLUMN

Curve #4: First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998527
Calibration Curve = (18781.304688) + (34819356.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:48 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998527

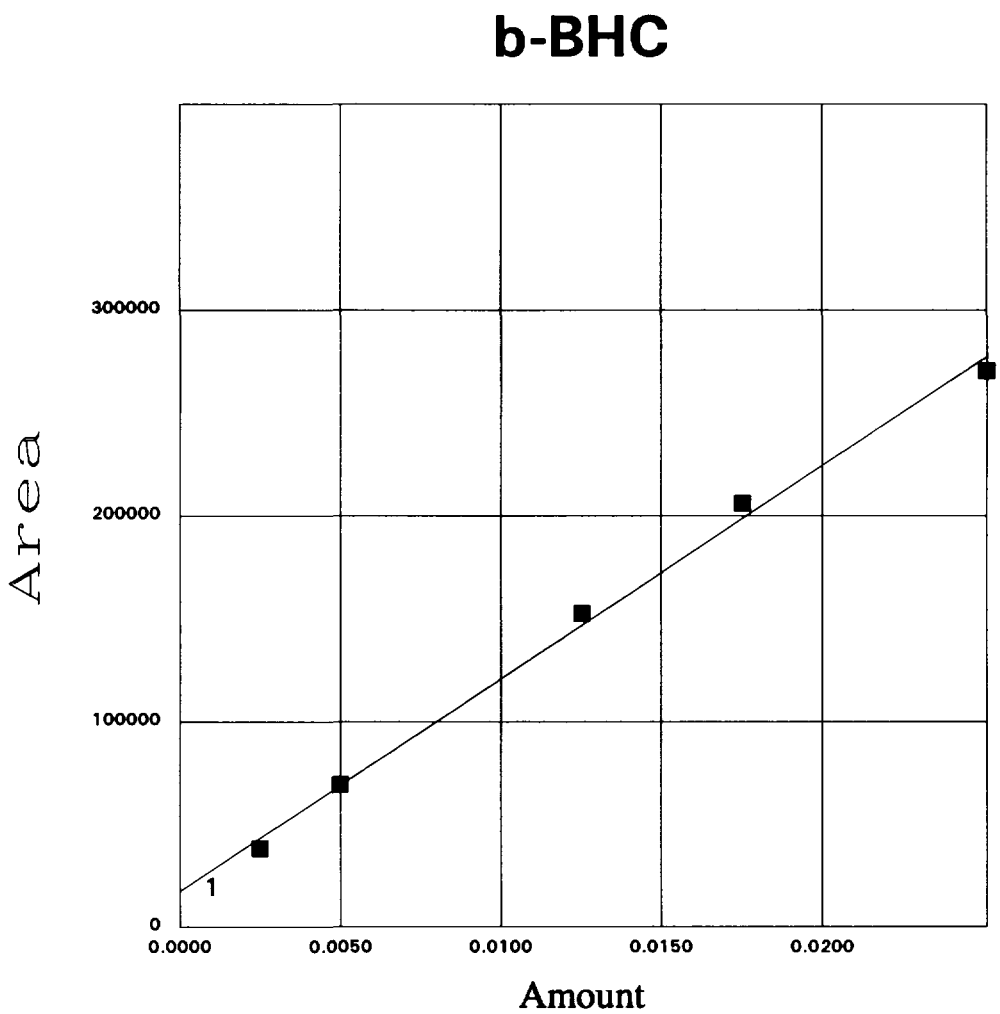
Calibration Curve = (18781.304688) + (34819356.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002293 | 0.000207 | 8.287 | 98616.000000 | 105829.703125 | -7213.703125 | -7.315 |
| 2 | 0.005000 | 0.004912 | 0.000088 | 1.760 | 189814.468750 | 192878.093750 | -3063.625000 | -1.614 |
| 3 | 0.012500 | 0.012727 | -0.000227 | -1.818 | 461936.031250 | 454023.281250 | 7912.750000 | 1.713 |
| 4 | 0.017500 | 0.017977 | -0.000477 | -2.728 | 644743.000000 | 628120.062500 | 16622.937500 | 2.578 |
| 5 | 0.025000 | 0.024591 | 0.000410 | 1.638 | 875007.000000 | 889265.312500 | -14258.312500 | -1.630 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
**Date: 9/28/94 Time: 09:48 AM**

## Curve Parameters:

Curve #1 *: First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995695
Calibration Curve = (17717.750000) + (10376147.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:48 AM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995695

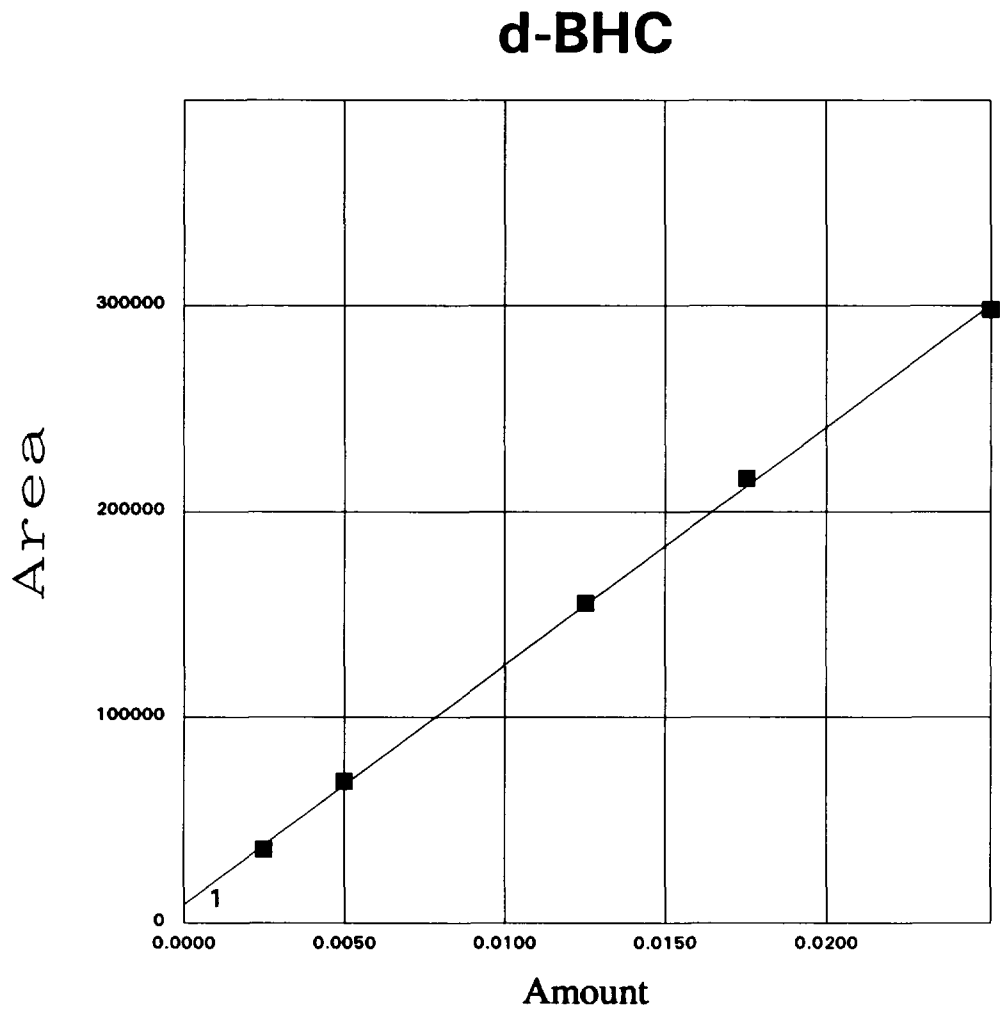
Calibration Curve = (17717.750000) + (10376147.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.001988 | 0.000512 | 20.494 | 38342.000000 | 43658.121094 | -5316.121094 | -13.865 |
| 2 | 0.005000 | 0.004991 | 0.000009 | 0.174 | 69508.000000 | 69598.492188 | -90.492188 | -0.130 |
| 3 | 0.012500 | 0.013036 | -0.000536 | -4.290 | 152984.000000 | 147419.593750 | 5564.406250 | 3.637 |
| 4 | 0.017500 | 0.018167 | -0.000667 | -3.809 | 206216.000000 | 199300.328125 | 6915.671875 | 3.354 |
| 5 | 0.025000 | 0.024318 | 0.000682 | 2.727 | 270048.000000 | 277121.437500 | -7073.437500 | -2.619 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
**Date: 9/28/94** Time: 09:48 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999396
Calibration Curve = (9501.391602) + (11642640.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:48 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999396

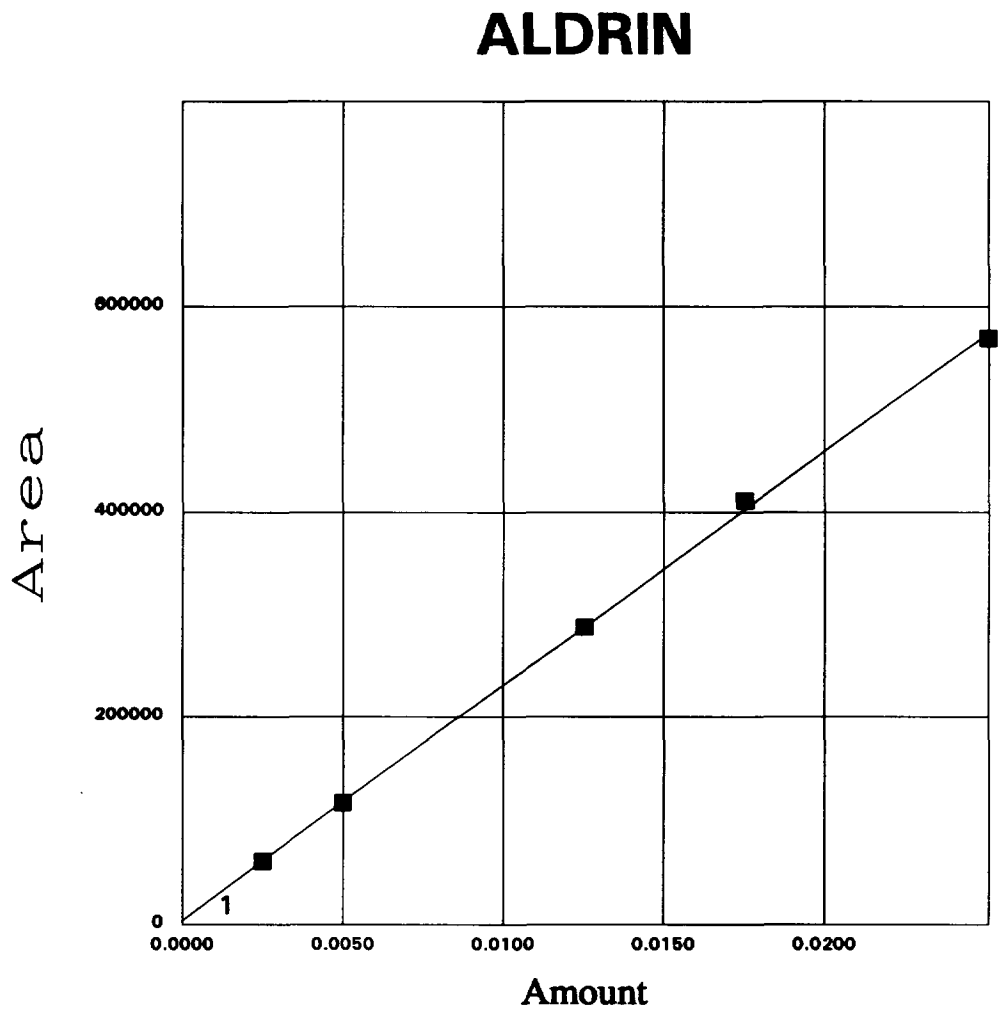
Calibration Curve = (9501.391602) + (11642640.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002276 | 0.000224 | 8.946 | 36004.000000 | 38607.992188 | -2603.992188 | -7.233 |
| 2 | 0.005000 | 0.005124 | -0.000124 | -2.471 | 69153.000000 | 67714.593750 | 1438.406250 | 2.080 |
| 3 | 0.012500 | 0.012527 | -0.000027 | -0.215 | 155347.500000 | 155034.406250 | 313.093750 | 0.202 |
| 4 | 0.017500 | 0.017797 | -0.000297 | -1.695 | 216702.000000 | 213247.593750 | 3454.406250 | 1.594 |
| 5 | 0.025000 | 0.024777 | 0.000224 | 0.894 | 297965.500000 | 300567.406250 | -2601.906250 | -0.873 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:48 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999445
Calibration Curve = (4390.788574) + (22826190.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
**Date: 9/28/94 Time: 09:48 AM**

**Data Lists With Calculated Values For Each Fit:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999445

Calibration Curve = (4390.788574) + (22826190.000000)X

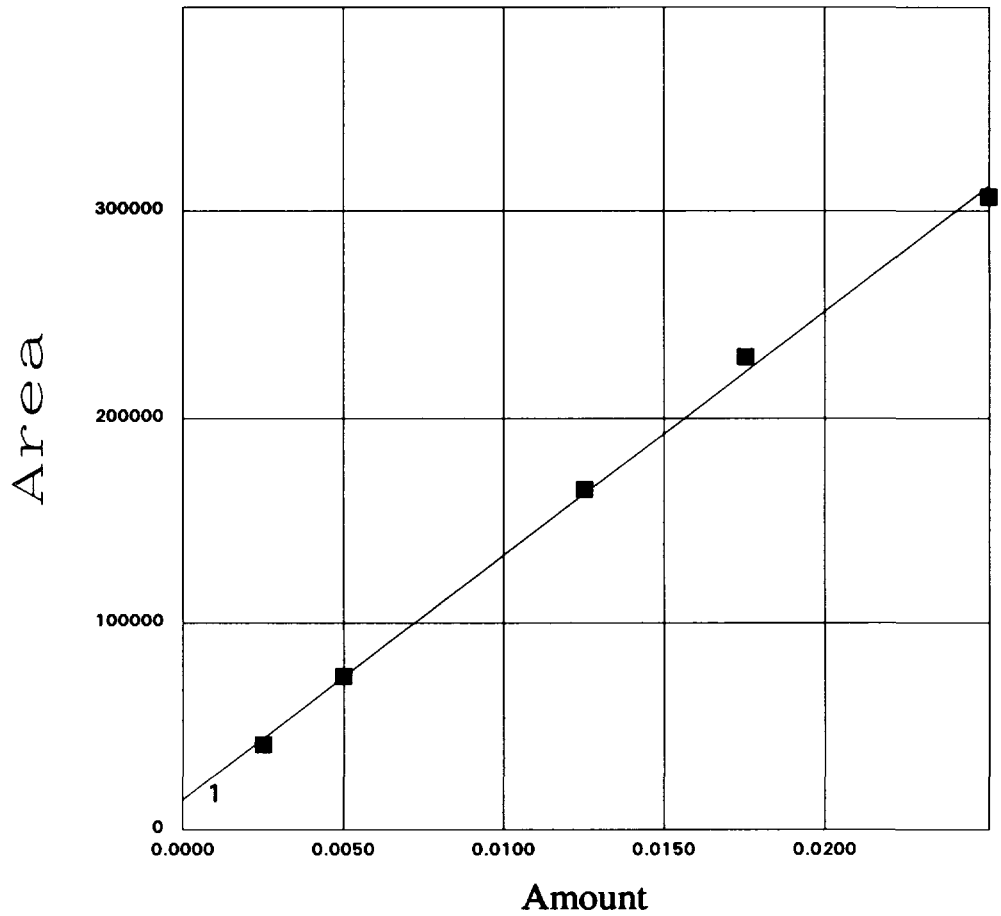
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002457 | 0.000043 | 1.725 | 60472.000000 | 61456.269531 | -984.269531 | -1.628 |
| 2 | 0.005000 | 0.004905 | 0.000095 | 1.892 | 116362.000000 | 118521.750000 | -2159.750000 | -1.856 |
| 3 | 0.012500 | 0.012519 | -0.000019 | -0.150 | 290144.968750 | 289718.187500 | 426.781250 | 0.147 |
| 4 | 0.017500 | 0.017851 | -0.000351 | -2.003 | 411849.968750 | 403849.125000 | 8000.843750 | 1.943 |
| 5 | 0.025000 | 0.024769 | 0.000232 | 0.926 | 569762.000000 | 575045.562500 | -5283.562500 | -0.927 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
**Date: 9/28/94 Time: 09:48 AM**

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998078
Calibration Curve = (14901.394531) + (11891880.000000)X

# HEPT.EPOXIDE



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
**Date: 9/28/94** Time: 09:48 AM

**Data Lists With Calculated Values For Each Fit:**
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998078

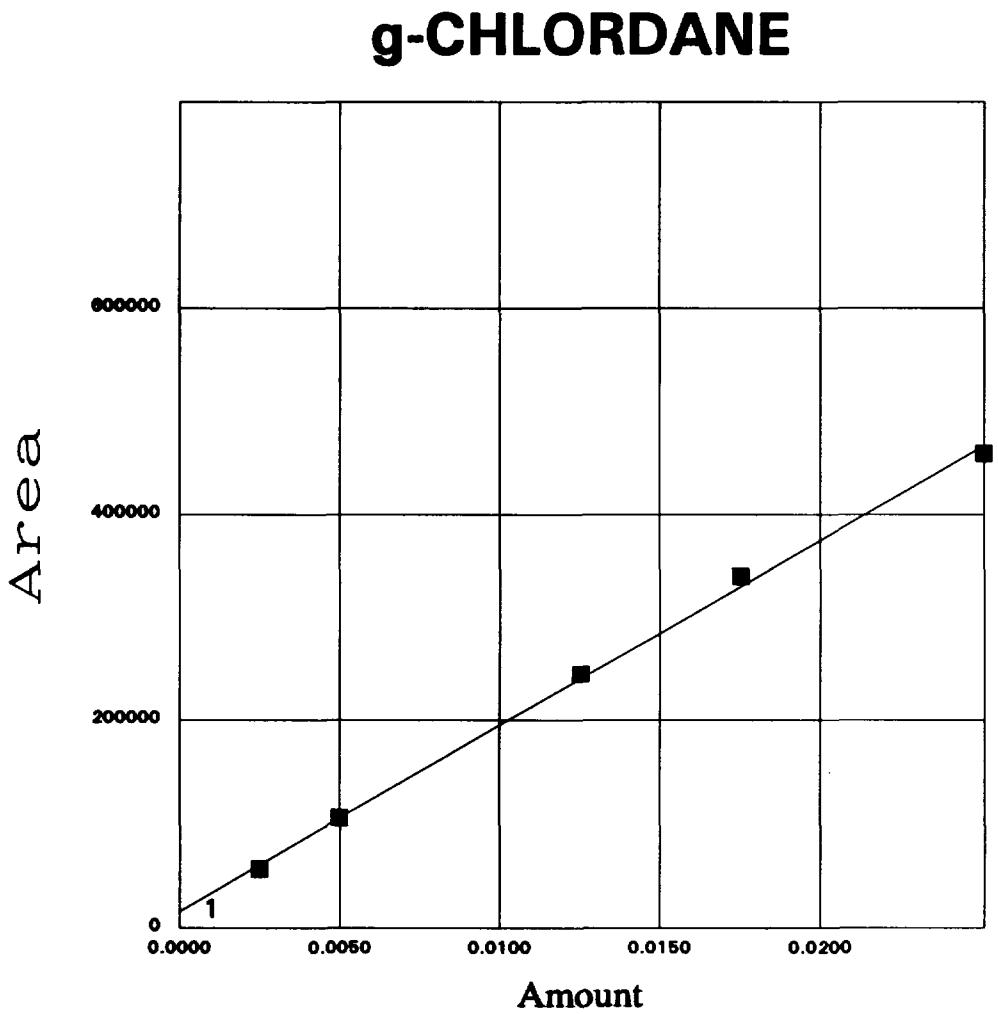
Calibration Curve = (14901.394531) + (11891880.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002226 | 0.000274 | 10.952 | 41374.968750 | 44631.097656 | -3256.128906 | -7.870 |
| 2 | 0.005000 | 0.004993 | 0.000007 | 0.149 | 74272.500000 | 74360.796875 | -88.296875 | -0.119 |
| 3 | 0.012500 | 0.012654 | -0.000154 | -1.231 | 165380.000000 | 163549.906250 | 1830.093750 | 1.107 |
| 4 | 0.017500 | 0.018085 | -0.000585 | -3.341 | 229963.000000 | 223009.296875 | 6953.703125 | 3.024 |
| 5 | 0.025000 | 0.024543 | 0.000457 | 1.830 | 306759.062500 | 312198.406250 | -5439.343750 | -1.773 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 01:05 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998378
Calibration Curve = (16598.216797) + (18012614.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
**Date: 9/28/94 Time: 01:05 PM**

**Data Lists With Calculated Values For Each Fit:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998378

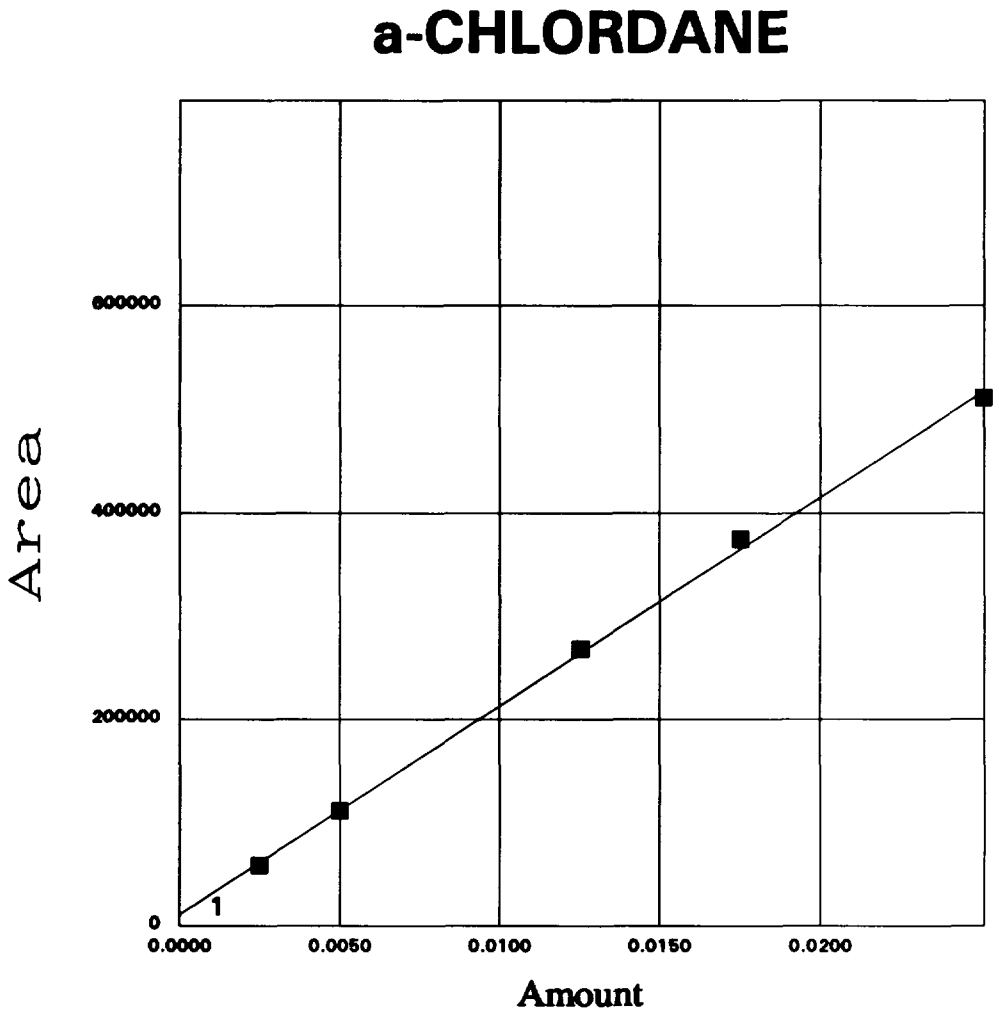
Calibration Curve = (16598.216797) + (18012614.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002241 | 0.000259 | 10.372 | 56959.000000 | 61629.753906 | -4670.753906 | -8.200 |
| 2 | 0.005000 | 0.004963 | 0.000037 | 0.744 | 105991.500000 | 106661.296875 | -669.796875 | -0.632 |
| 3 | 0.012500 | 0.012730 | -0.000230 | -1.838 | 245894.000000 | 241755.906250 | 4138.093750 | 1.683 |
| 4 | 0.017500 | 0.017994 | -0.000494 | -2.824 | 340720.500000 | 331818.968750 | 8901.531250 | 2.613 |
| 5 | 0.025000 | 0.024573 | 0.000427 | 1.710 | 459214.500000 | 466913.593750 | -7699.093750 | -1.677 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 01:06 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998909
Calibration Curve = (11510.937500) + (20297284.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 01:06 PM

**Data Lists With Calculated Values For Each Fit:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998909

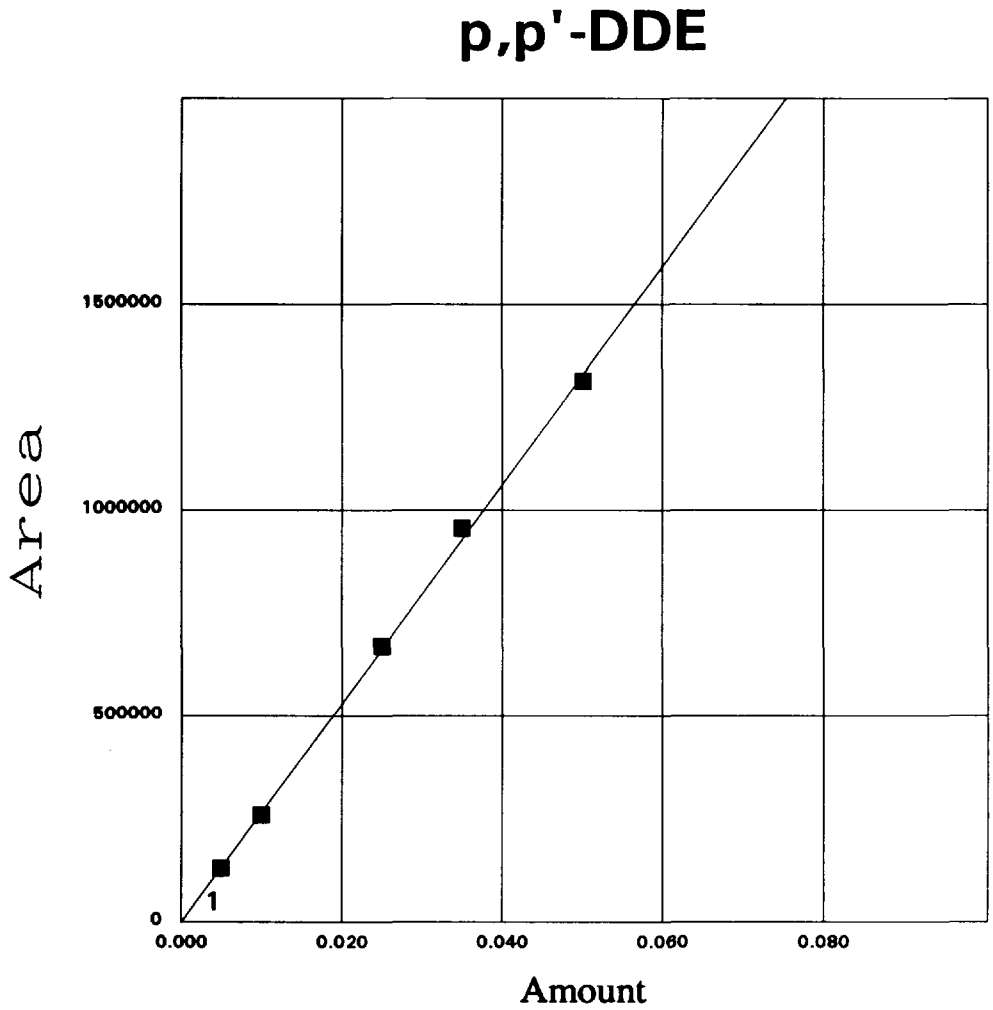
Calibration Curve = (11510.937500) + (20297284.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002316 | 0.000184 | 7.361 | 58519.000000 | 62254.152344 | -3735.152344 | -6.383 |
| 2 | 0.005000 | 0.004944 | 0.000056 | 1.126 | 111855.000000 | 112997.367188 | -1142.367188 | -1.021 |
| 3 | 0.012500 | 0.012666 | -0.000166 | -1.330 | 268601.500000 | 265227.000000 | 3374.500000 | 1.256 |
| 4 | 0.017500 | 0.017925 | -0.000425 | -2.429 | 375341.000000 | 366713.406250 | 8627.593750 | 2.299 |
| 5 | 0.025000 | 0.024649 | 0.000351 | 1.404 | 511818.500000 | 518943.093750 | -7124.593750 | -1.392 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:49 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998977
Calibration Curve = (1092.667358) + (26607904.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:49 AM

**Data Lists With Calculated Values For Each Fit:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998977

Calibration Curve = (1092.667358) + (26607904.000000)X

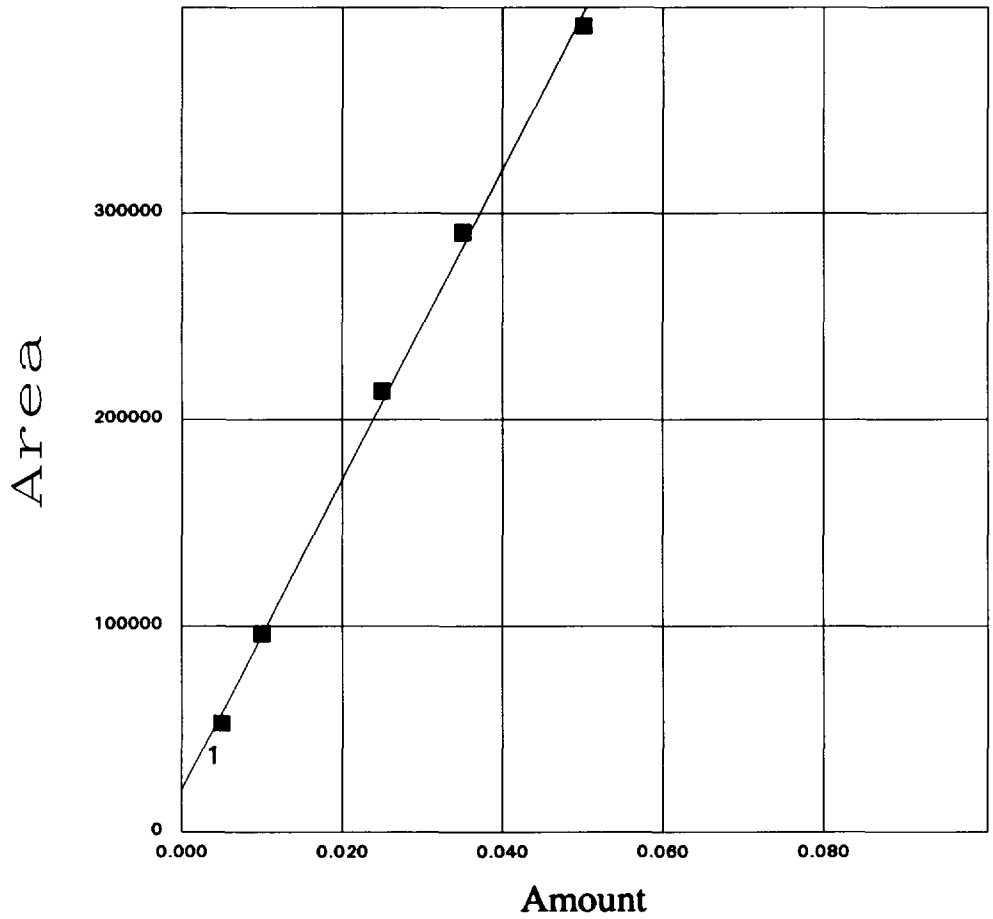
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004845 | 0.000156 | 3.110 | 129995.000000 | 134132.203125 | -4137.203125 | -3.183 |
| 2 | 0.010000 | 0.009720 | 0.000280 | 2.802 | 259717.000000 | 267171.718750 | -7454.718750 | -2.870 |
| 3 | 0.025000 | 0.025186 | -0.000186 | -0.742 | 671227.500000 | 666290.312500 | 4937.187500 | 0.736 |
| 4 | 0.035000 | 0.035904 | -0.000904 | -2.584 | 956431.500000 | 932369.312500 | 24062.187500 | 2.516 |
| 5 | 0.050000 | 0.049346 | 0.000654 | 1.308 | 1314080.500000 | 1331488.000000 | -17407.500000 | -1.325 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:49 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998178
Calibration Curve = (20925.662109) + (7529305.000000)X

# ENDO II



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:49 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998178

Calibration Curve = (20925.662109) + (7529305.000000)X

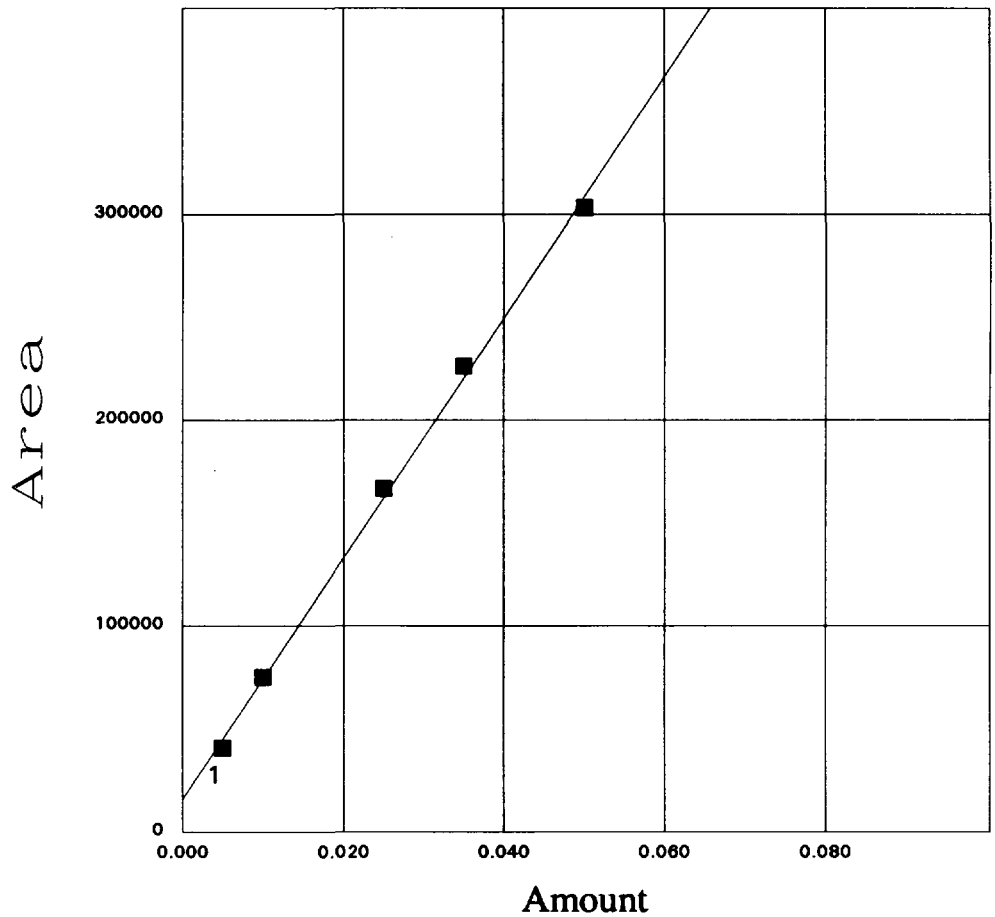
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004290 | 0.000710 | 14.204 | 53225.000000 | 58572.191406 | -5347.191406 | -10.046 |
| 2 | 0.010000 | 0.010057 | -0.000057 | -0.565 | 96644.000000 | 96218.718750 | 425.281250 | 0.440 |
| 3 | 0.025000 | 0.025674 | -0.000674 | -2.696 | 214233.000000 | 209158.296875 | 5074.703125 | 2.369 |
| 4 | 0.035000 | 0.035857 | -0.000857 | -2.448 | 290901.000000 | 284451.343750 | 6449.656250 | 2.217 |
| 5 | 0.050000 | 0.049123 | 0.000877 | 1.754 | 390788.500000 | 397390.937500 | -6602.437500 | -1.690 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:49 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997823
Calibration Curve = (16451.679688) + (5845988.500000)X

# ENDRIN ALD



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:50 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997823

Calibration Curve = (16451.679688) + (5845988.500000)X

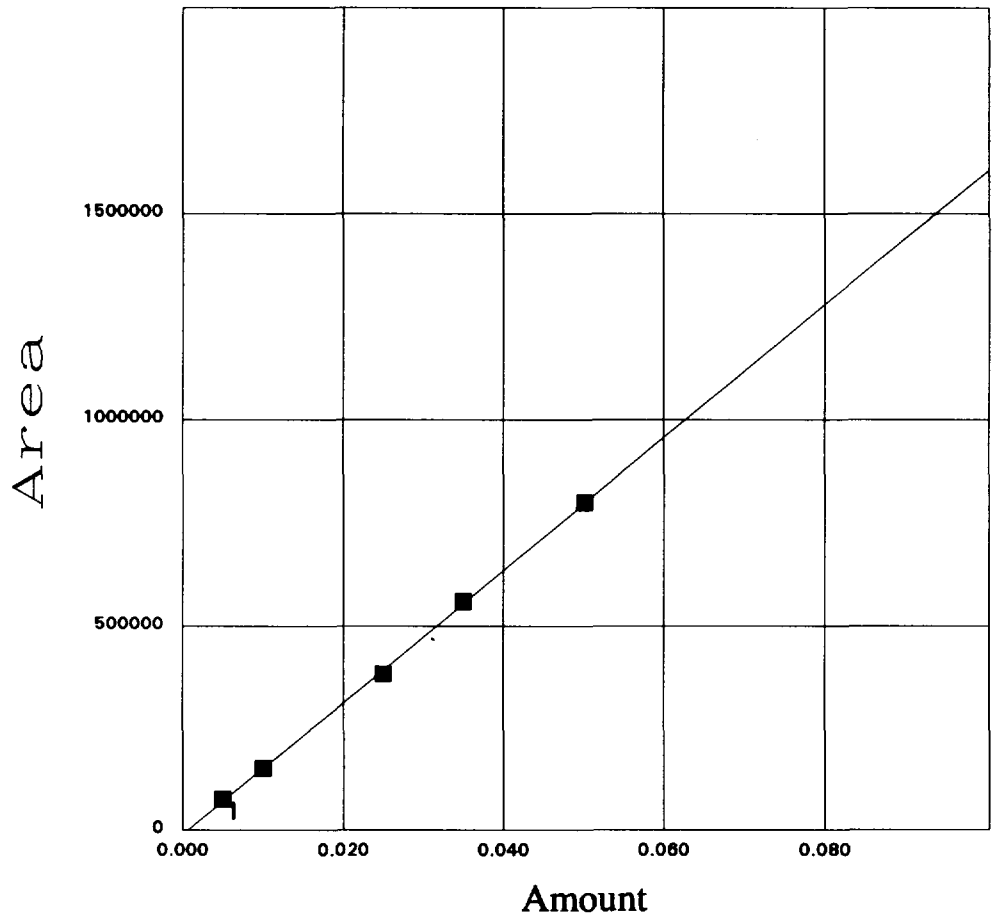
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004200 | 0.000800 | 15.994 | 41006.500000 | 45681.625000 | -4675.125000 | -11.401 |
| 2 | 0.010000 | 0.010100 | -0.000100 | -0.996 | 75494.000000 | 74911.570313 | 582.429688 | 0.772 |
| 3 | 0.025000 | 0.025721 | -0.000721 | -2.883 | 166815.500000 | 162601.406250 | 4214.093750 | 2.526 |
| 4 | 0.035000 | 0.035932 | -0.000932 | -2.663 | 226510.000000 | 221061.281250 | 5448.718750 | 2.406 |
| 5 | 0.050000 | 0.049047 | 0.000953 | 1.906 | 303181.000000 | 308751.125000 | -5570.125000 | -1.837 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:50 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999655
Calibration Curve = (-9324.427734) + (16165107.000000)X

# END SULFATE



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:50 AM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999655

Calibration Curve = (-9324.427734) + (16165107.000000)X

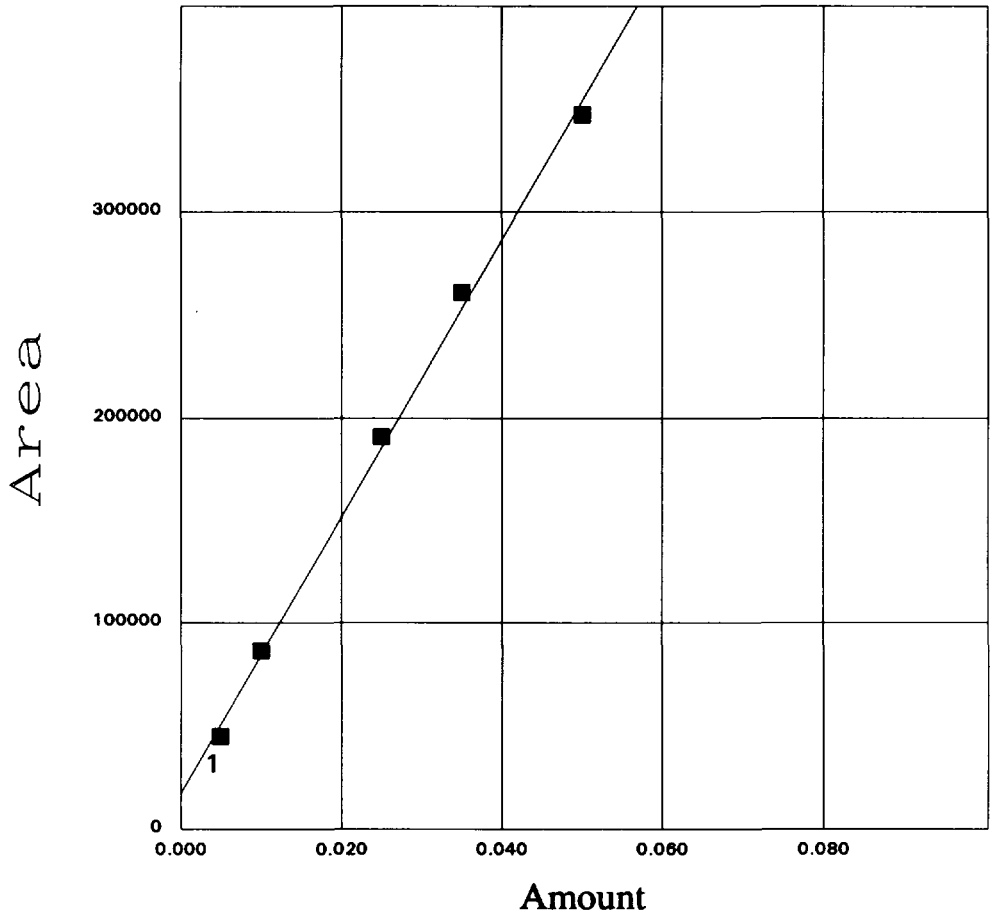
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005269 | -0.000269 | -5.378 | 75847.500000 | 71501.109375 | 4346.390625 | 5.730 |
| 2 | 0.010000 | 0.009958 | 0.000042 | 0.422 | 151644.968750 | 152326.656250 | -681.687500 | -0.450 |
| 3 | 0.025000 | 0.024434 | 0.000566 | 2.266 | 385647.000000 | 394803.281250 | -9156.281250 | -2.374 |
| 4 | 0.035000 | 0.035250 | -0.000250 | -0.714 | 560493.437500 | 556454.312500 | 4039.125000 | 0.721 |
| 5 | 0.050000 | 0.050090 | -0.000090 | -0.180 | 800383.437500 | 798931.000000 | 1452.437500 | 0.182 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:50 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997343
Calibration Curve = (17709.246094) + (6738221.500000)X

# ENDRIN KETONE



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:50 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997343

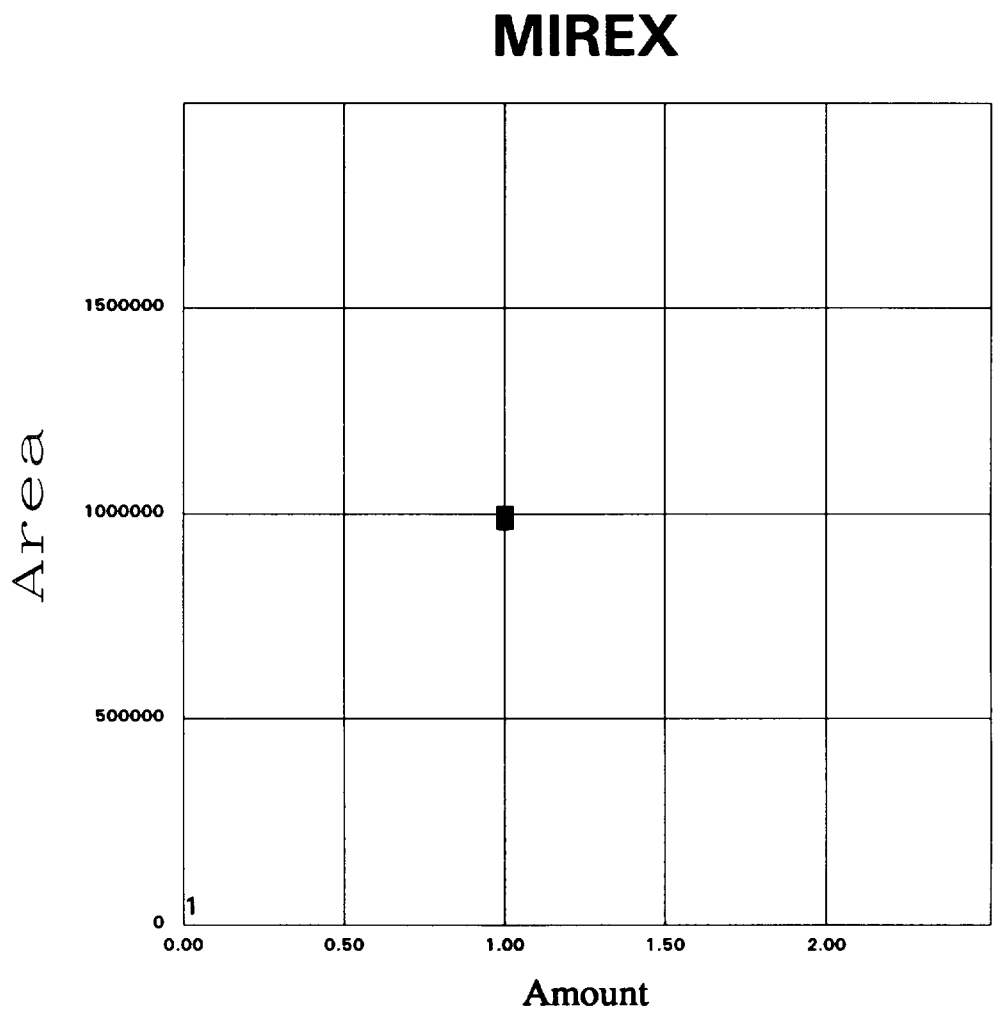
Calibration Curve = (17709.246094) + (6738221.500000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.004052 | 0.000948 | 18.959 | 45013.000000 | 51400.355469 | -6387.355469 | -14.190 |
| 2 | 0.010000 | 0.010230 | -0.000230 | -2.297 | 86639.000000 | 85091.468750 | 1547.531250 | 1.786 |
| 3 | 0.025000 | 0.025721 | -0.000721 | -2.885 | 191025.000000 | 186164.796875 | 4860.203125 | 2.544 |
| 4 | 0.035000 | 0.036029 | -0.001029 | -2.941 | 260482.000000 | 253547.000000 | 6935.000000 | 2.662 |
| 5 | 0.050000 | 0.048968 | 0.001032 | 2.064 | 347665.000000 | 354620.343750 | -6955.343750 | -2.001 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:50 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000
Calibration Curve = (0.000000) + (0.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 09:50 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000

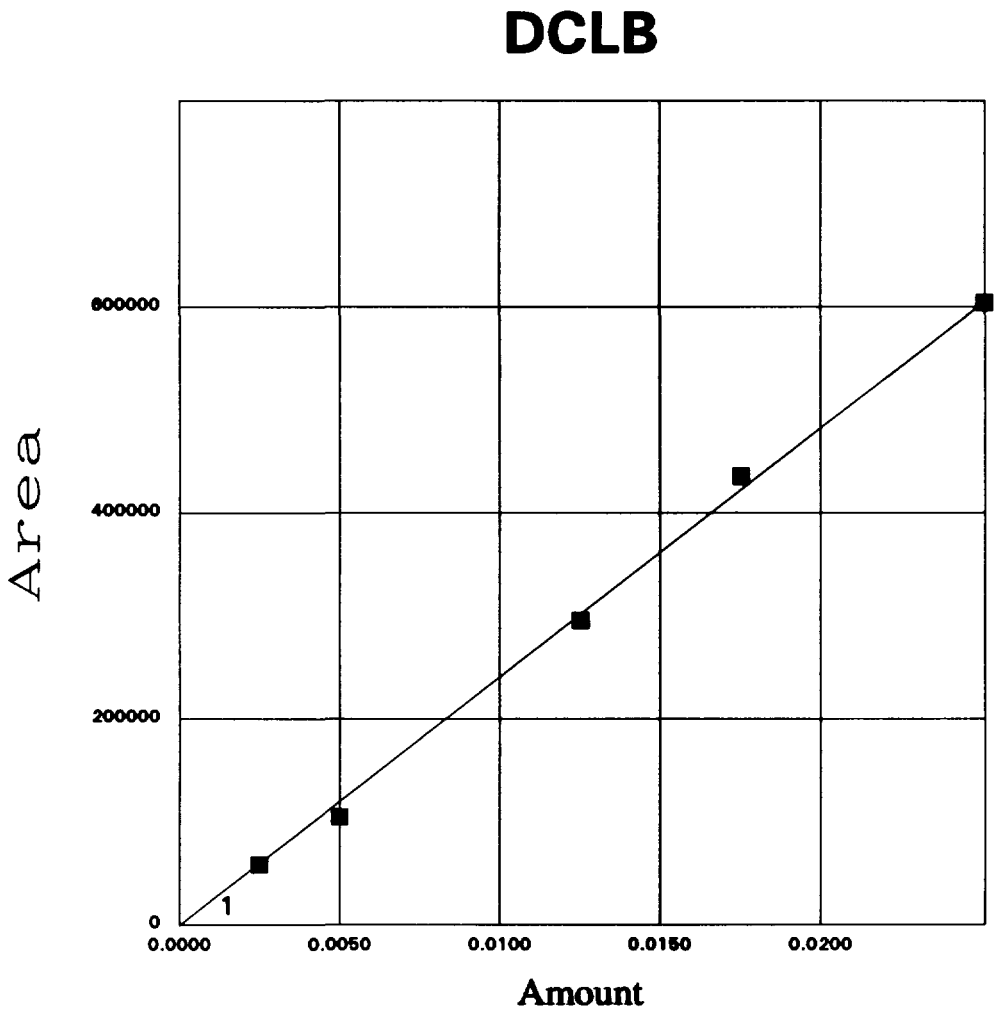
Calibration Curve = (0.000000) + (0.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 3 | 1.000000 | ---------- | ---------- | ------- | 987130.000000 | 0.000000 | 987130.000000 | 100.000 |
| 1 | 1.000000 | ---------- | ---------- | ------- | 1000477.062500 | 0.000000 | 1.000477e6 | 100.000 |
| 2 | 1.000000 | ---------- | ---------- | ------- | 983727.062500 | 0.000000 | 983727.062500 | 100.000 |
| 4 | 1.000000 | ---------- | ---------- | ------- | 994655.062500 | 0.000000 | 994655.062500 | 100.000 |
| 5 | 1.000000 | ---------- | ---------- | ------- | 984201.000000 | 0.000000 | 984201.000000 | 100.000 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 01:05 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997826
Calibration Curve = (24222262.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2PESTB.SMP"
Date: 9/28/94 Time: 01:05 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997826

Calibration Curve = (24222262.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002436 | 0.000064 | 2.567 | 59001.000000 | 60555.660156 | -1554.660156 | -2.635 |
| 2 | 0.005000 | 0.004351 | 0.000649 | 12.987 | 105383.000000 | 121111.320313 | -15728.320313 | -14.925 |
| 3 | 0.012500 | 0.012232 | 0.000268 | 2.142 | 296294.000000 | 302778.312500 | -6484.312500 | -2.189 |
| 4 | 0.017500 | 0.017983 | -0.000483 | -2.760 | 435588.000000 | 423889.593750 | 11698.406250 | 2.686 |
| 5 | 0.025000 | 0.024932 | 0.000068 | 0.272 | 603911.000000 | 605556.625000 | -1645.625000 | -0.273 |

Software Version: 3.1 <2A23>
Sample Name : 1242 L1
Sample Number: 14
Operator : KM

Time : 9/27/94 01:30 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:44 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

PRIMARY COLUMN

Raw Data File : C:\2700\DATA2\1AL_014.raw
Result File : C:\2700\DATA2\1AL_014.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 4 | 8.69 | 1242-A | 0.0655 | 117982 | 21738 | MIREX | 1.8000e6 |
| 5 | 9.19 | 1242-B | 0.1054 | 56802 | 7870 | MIREX | 5.3888e5 |
| 6 | 9.36 | 1242-C | 0.0793 | 50390 | 9578 | MIREX | 6.3535e5 |
| 7 | 9.49 | 1242-D | 0.0826 | 198067 | 30800 | MIREX | 2.3983e6 |
| 18 | 12.32 | 1242-E | 0.0696 | 58226 | 10108 | MIREX | 8.3644e5 |
| 20 | 18.71 | MIREX | 0.0000 | 1232659 | 101183 | MIREX | ------- |
| | | | 0.4025 | 1714125 | 181276 | | 6.2090e6 |

AU (n=5) = 0.081

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-27-94

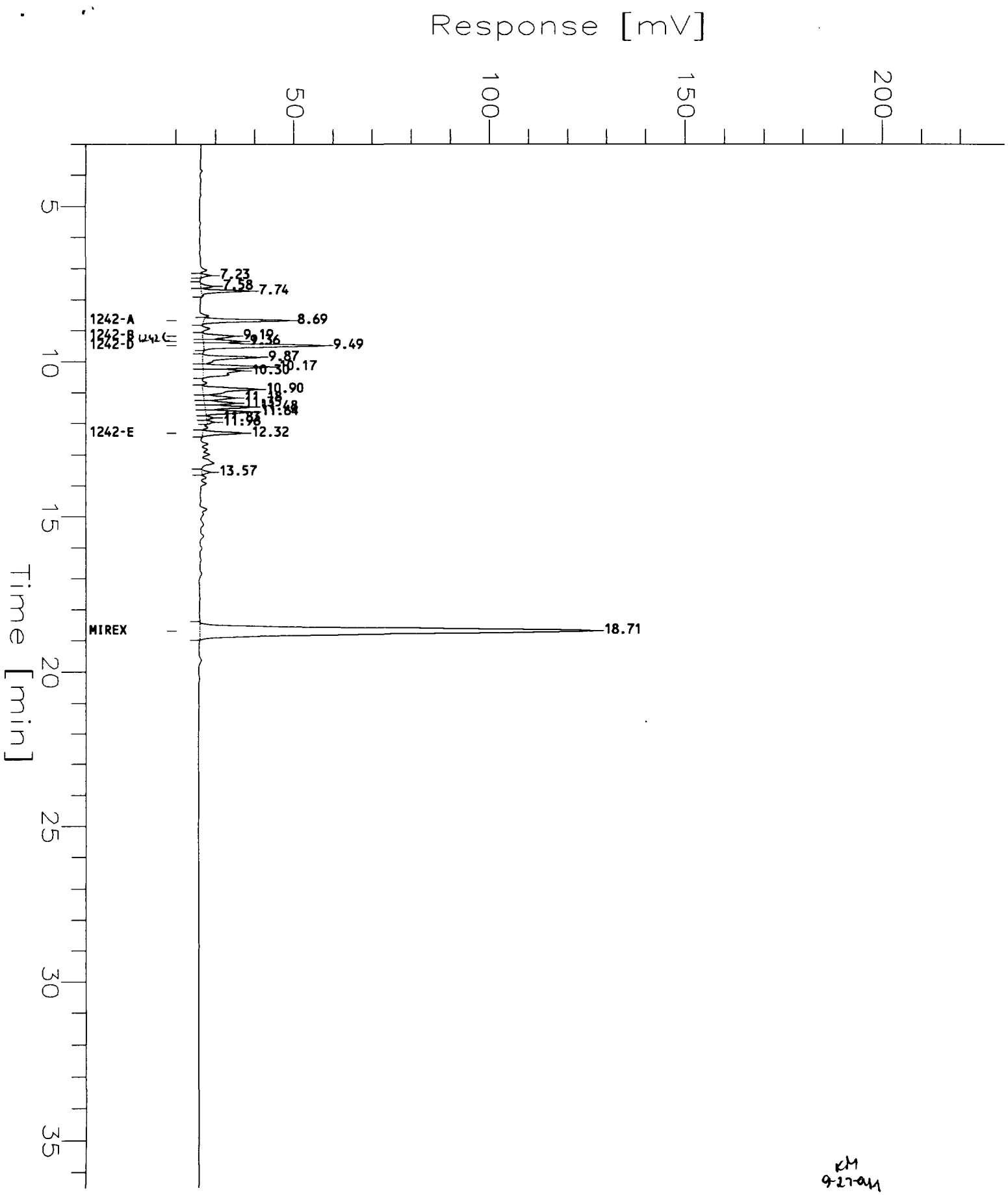
# Chromatogram

Sample Name : 1242 L1
FileName : C:\2700\DATA2\1AL_014.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 14
Date : 9/27/94 01:30 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : 1242 L2 Time : 9/27/94 01:30 PM
Sample Number: 15 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 01:27 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_015.raw
Result File : C:\2700\DATA2\1AL_015.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 8.69 | 1242-A | 0.2189 | 218727 | 38258 | MIREX | 9.9924e5 |
| 8 | 9.19 | 1242-B | 0.2275 | 104753 | 14239 | MIREX | 4.6036e5 |
| 9 | 9.36 | 1242-C | 0.2111 | 90830 | 16873 | MIREX | 4.3019e5 |
| 10 | 9.49 | 1242-D | 0.2104 | 341591 | 52846 | MIREX | 1.6239e6 |
| 23 | 12.32 | 1242-E | 0.2196 | 108064 | 18146 | MIREX | 4.9208e5 |
| 31 | 18.71 | MIREX | 0.0000 | 1224835 | 100768 | MIREX | ------- |
| | | | 1.0875 | 2088800 | 241129 | | 4.0058e6 |

AU (n=5) 0.218

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-27-94

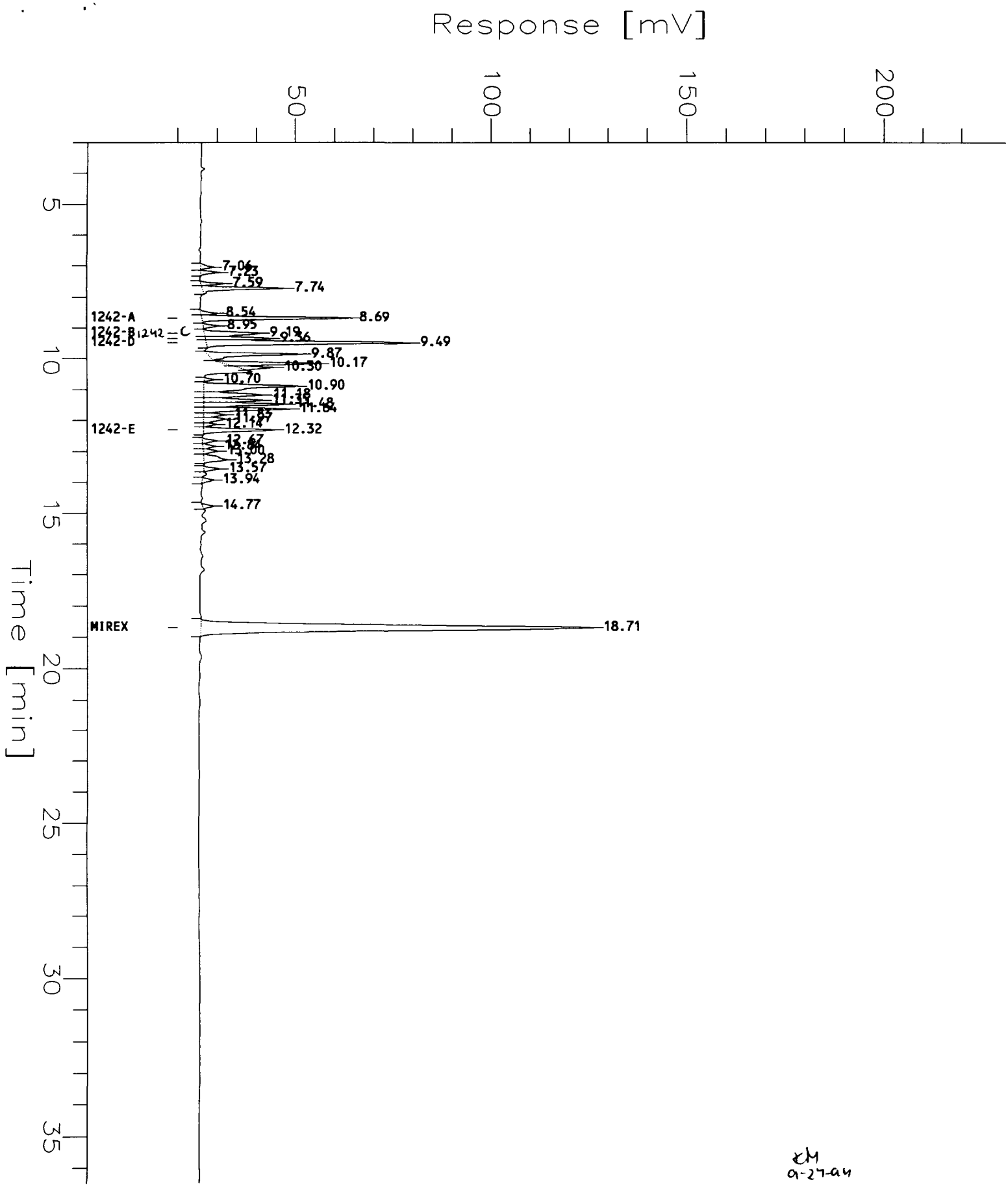
# Chromatogram

Sample Name : 1242 L2
FileName : C:\2700\DATA2\1AL_015.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 15
Date : 9/27/94 01:30 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : 1242 L3 Time : 9/27/94 01:31 PM
Sample Number: 16 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 02:10 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_016.raw
Result File : C:\2700\DATA2\1AL_016.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 8.69 | 1242-A | 0.5309 | 423670 | 72826 | MIREX | 7.9810e5 |
| 8 | 9.19 | 1242-B | 0.5181 | 218832 | 28903 | MIREX | 4.2236e5 |
| 9 | 9.36 | 1242-C | 0.5161 | 184370 | 33877 | MIREX | 3.5726e5 |
| 10 | 9.49 | 1242-D | 0.5134 | 682058 | 104050 | MIREX | 1.3284e6 |
| 23 | 12.32 | 1242-E | 0.5251 | 209579 | 35246 | MIREX | 3.9909e5 |
| 31 | 18.71 | MIREX | 0.0000 | 1204166 | 99740 | MIREX | ------- |
| | | | 2.6036 | 2922675 | 374644 | | 3.3052e6 |

AU (n=5) = 0.521

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-27-94

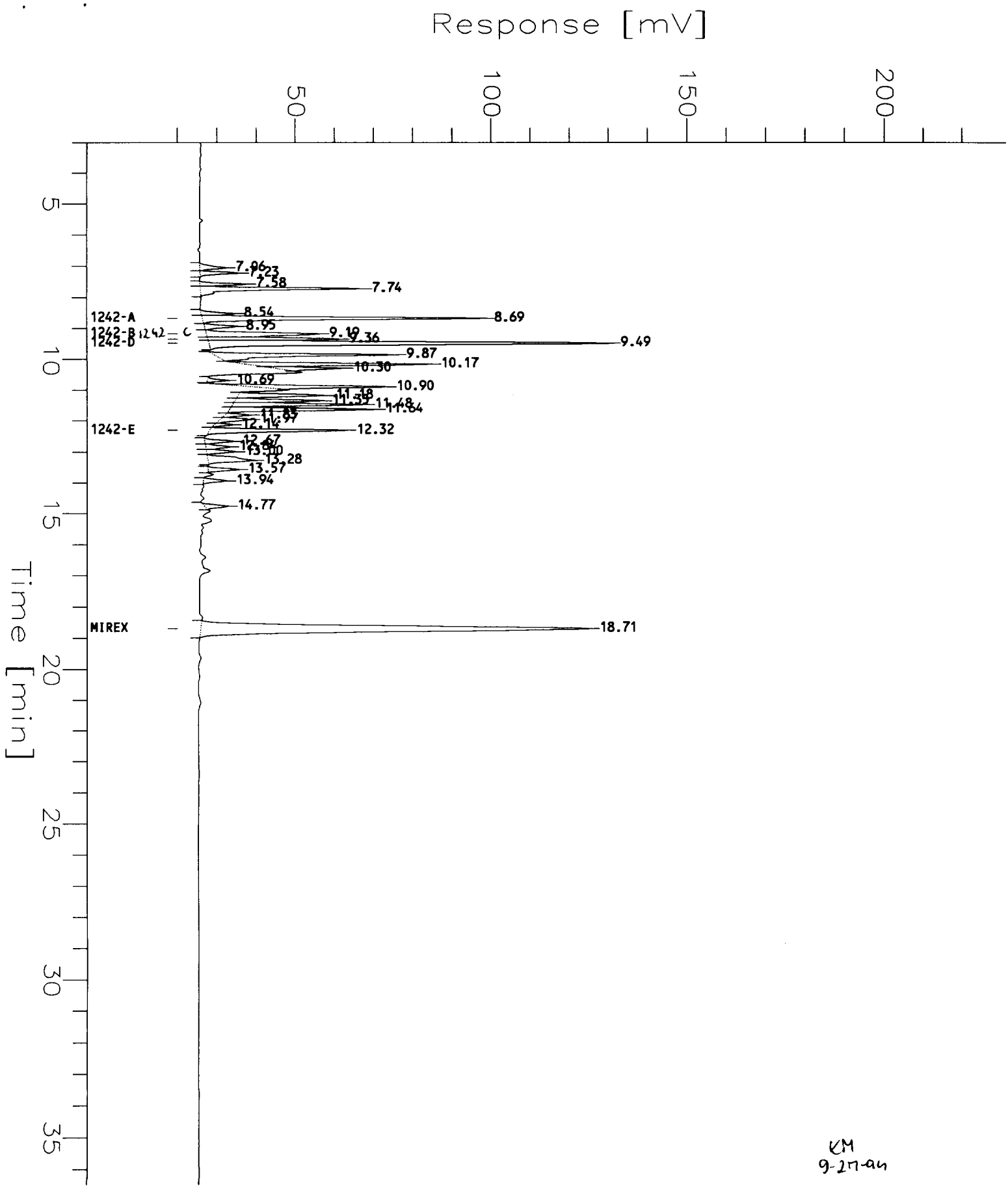
# Chromatogram

Sample Name : 1242 L3
FileName : C:\2700\DATA2\1AL_016.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 16
Date : 9/27/94 01:31 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : 1242 L4 Time : 9/27/94 01:32 PM
Sample Number: 17 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 02:53 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_017.raw
Result File : C:\2700\DATA2\1AL_017.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 8.69 | 1242-A | 0.7519 | 568894 | 96289 | MIREX | 7.5660e5 |
| 8 | 9.19 | 1242-B | 0.7617 | 314460 | 40386 | MIREX | 4.1284e5 |
| 9 | 9.36 | 1242-C | 0.7567 | 258205 | 46523 | MIREX | 3.4120e5 |
| 10 | 9.49 | 1242-D | 0.7527 | 950851 | 140576 | MIREX | 1.2632e6 |
| 24 | 12.32 | 1242-E | 0.7464 | 283099 | 47243 | MIREX | 3.7928e5 |
| 35 | 18.71 | MIREX | 0.0000 | 1219006 | 99894 | MIREX | ------- |
| | | | 3.7694 | 3594514 | 470912 | | 3.1531e6 |

A U (n=5) = 0.754

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-27-94

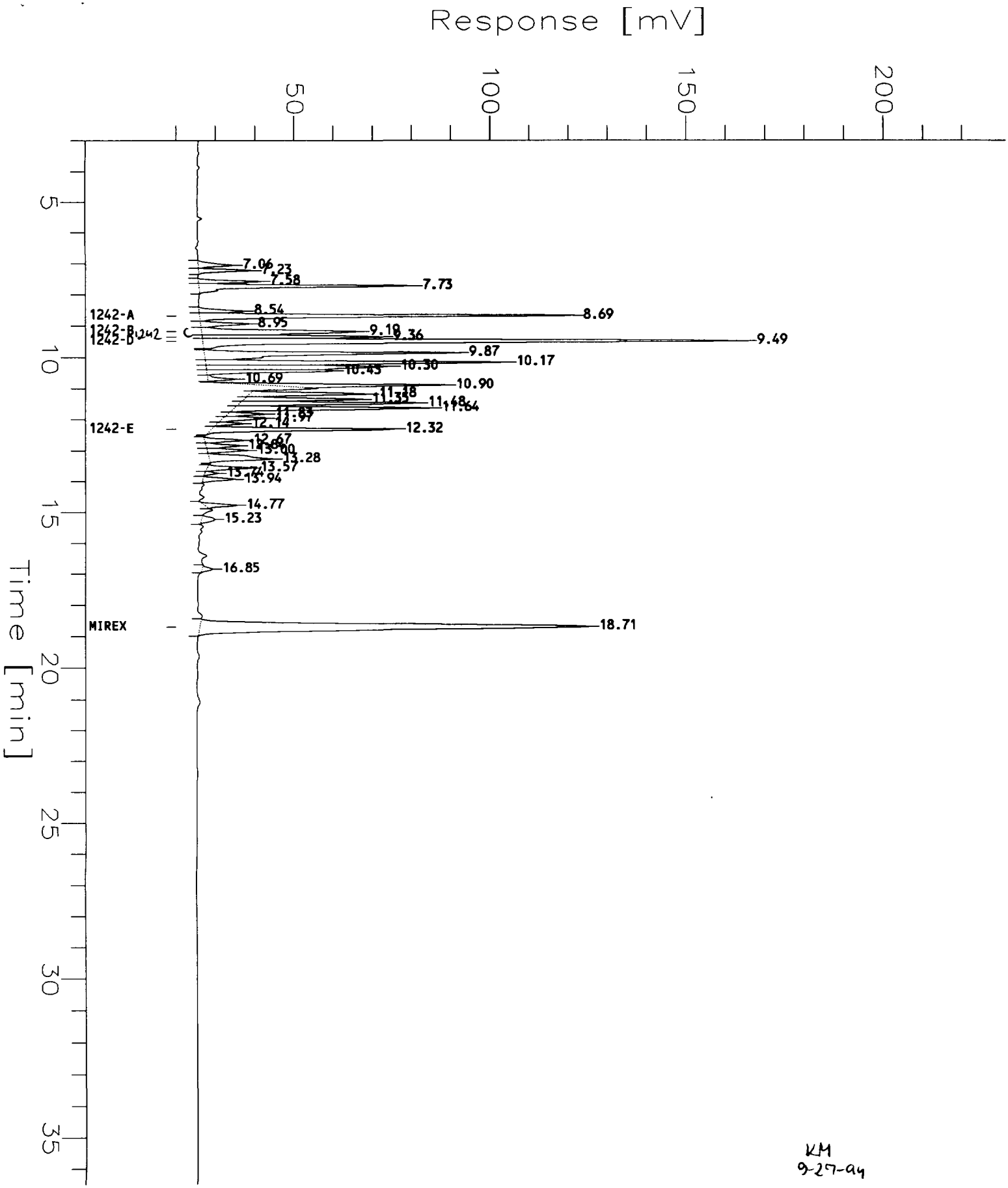
# Chromatogram

Sample Name : 1242 L4
FileName : C:\2700\DATA2\1AL_017.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 17
Date : 9/27/94 01:32 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : 1242 L5 Time : 9/27/94 01:33 PM
Sample Number: 18 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:36 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_018.raw
Result File : C:\2700\DATA2\1AL_018.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 8.69 | 1242-A | 0.9828 | 720601 | 121752 | MIREX | 7.3319e5 |
| 8 | 9.19 | 1242-B | 0.9873 | 403017 | 51464 | MIREX | 4.0822e5 |
| 9 | 9.36 | 1242-C | 0.9868 | 328768 | 59451 | MIREX | 3.3317e5 |
| 10 | 9.49 | 1242-D | 0.9909 | 1218449 | 180340 | MIREX | 1.2296e6 |
| 24 | 12.32 | 1242-E | 0.9893 | 363791 | 60492 | MIREX | 3.6774e5 |
| 35 | 18.71 | MIREX | 0.0000 | 1215170 | 99950 | MIREX | ------- |
| | | | 4.9370 | 4249797 | 573449 | | 3.0719e6 |

AU(n=5): 0.987

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

KM
9-27-94

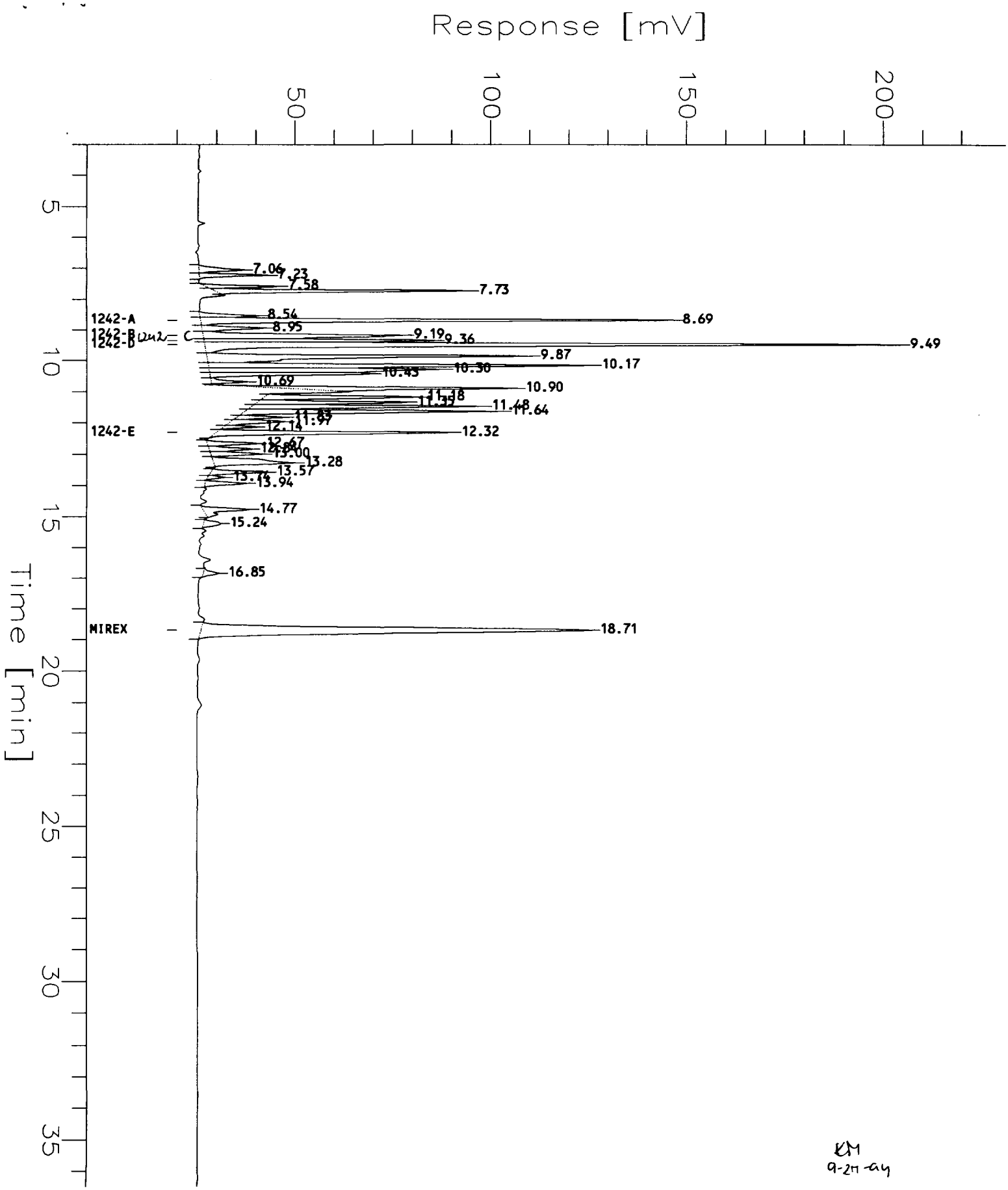
# Chromatogram

Sample Name : 1242 L5
FileName : C:\2700\DATA2\1AL_018.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 18
Date : 9/27/94 01:33 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : 1242 L3 #1 Time : 9/29/94 09:27 AM
Sample Number: 31 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:56 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

PRIMARY COLUMN

Raw Data File : C:\2700\DATA2\1AL_031.raw
Result File : C:\2700\DATA2\1AL_031.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 8.69 | 1242-A | 0.5251 | 419873 | 73410 | MIREX | 7.9965e5 |
| 8 | 9.19 | 1242-B | 0.5264 | 222085 | 29027 | MIREX | 4.2189e5 |
| 9 | 9.36 | 1242-C | 0.5208 | 185822 | 34120 | MIREX | 3.5680e5 |
| 10 | 9.49 | 1242-D | 0.5303 | 701024 | 108461 | MIREX | 1.3219e6 |
| 23 | 12.32 | 1242-E | 0.5824 | 228609 | 37668 | MIREX | 3.9252e5 |
| 31 | 18.71 | MIREX | 0.0000 | 1196281 | 98168 | MIREX | ------- |
| | | | 2.6850 | 2953695 | 380853 | | 3.2927e6 |

AU(n=5) = 0.537

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-29-94

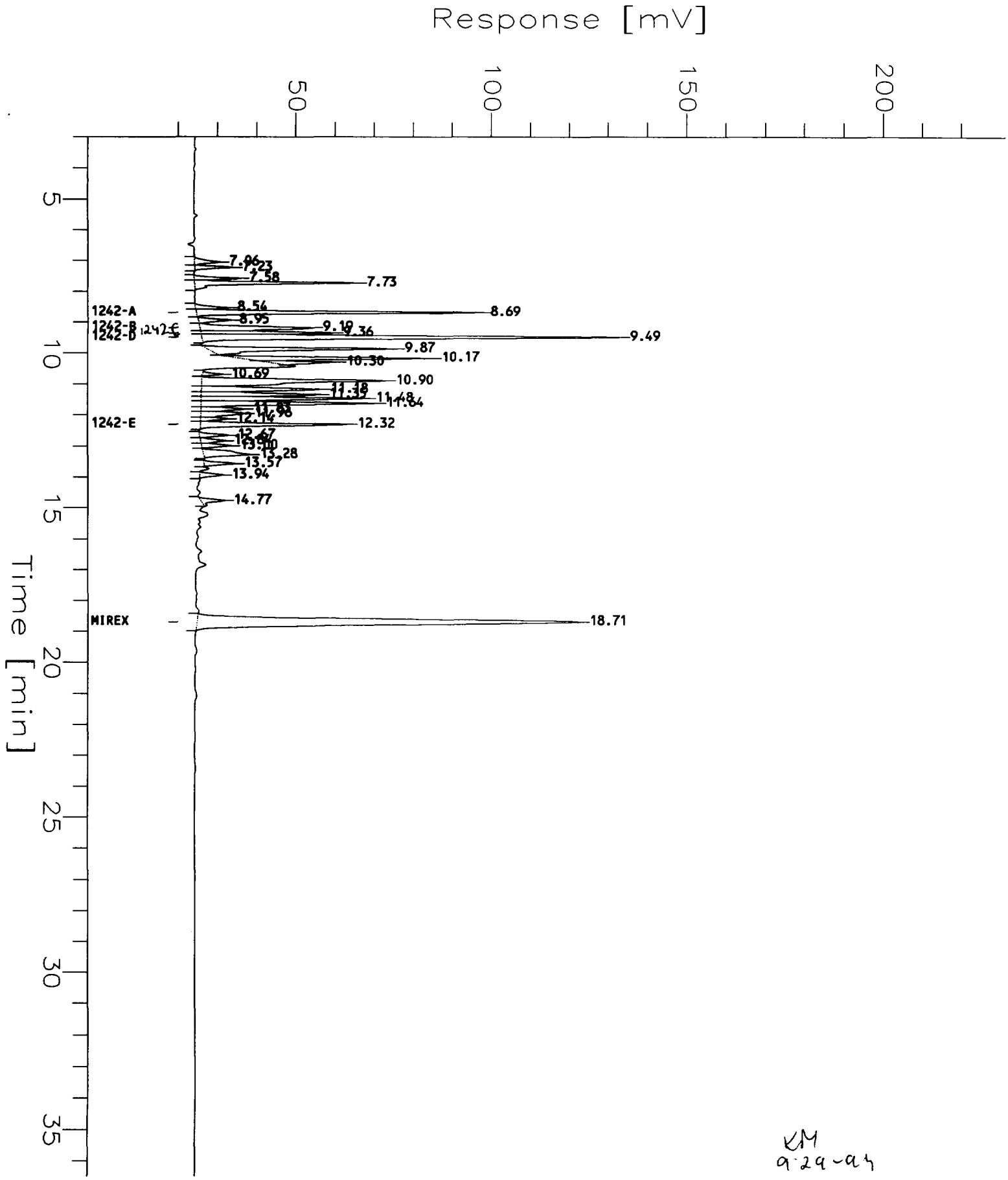
# Chromatogram

Sample Name : 1242 L3 #1
FileName : C:\2700\DATA2\1AL_031.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 31
Date : 9/29/94 09:27 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : 1242 L3 #2 Time : 9/29/94 09:28 AM
Sample Number: 39 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 06:39 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_039.raw
Result File : C:\2700\DATA2\1AL_039.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 8.69 | 1242-A | 0.5391 | 429101 | 75318 | MIREX | 7.9593e5 |
| 8 | 9.19 | 1242-B | 0.5063 | 214179 | 29931 | MIREX | 4.2306e5 |
| 9 | 9.35 | 1242-C | 0.5799 | 203960 | 34834 | MIREX | 3.5170e5 |
| 10 | 9.49 | 1242-D | 0.5459 | 718502 | 113079 | MIREX | 1.3162e6 |
| 23 | 12.32 | 1242-E | 0.6294 | 244211 | 40571 | MIREX | 3.8803e5 |
| 33 | 18.70 | MIREX | 0.0000 | 1225112 | 101297 | MIREX | ------- |
| | | | 2.8005 | 3035066 | 395030 | | 3.2749e6 |

AU(n=5)=0.560

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-29-94

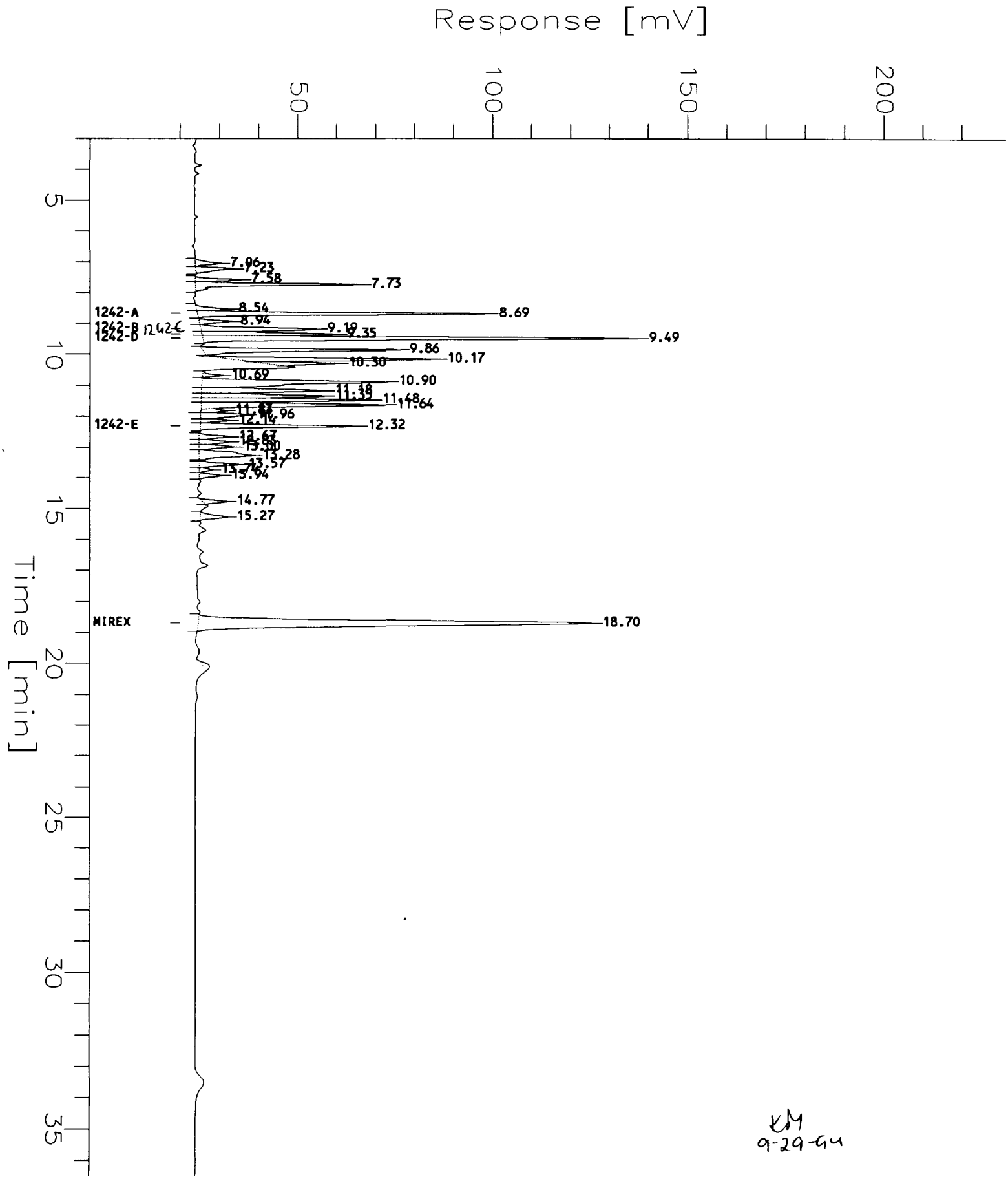
# Chromatogram

Sample Name : 1242 L3 #2
FileName : C:\2700\DATA2\1AL_039.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 39
Date : 9/29/94 09:28 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

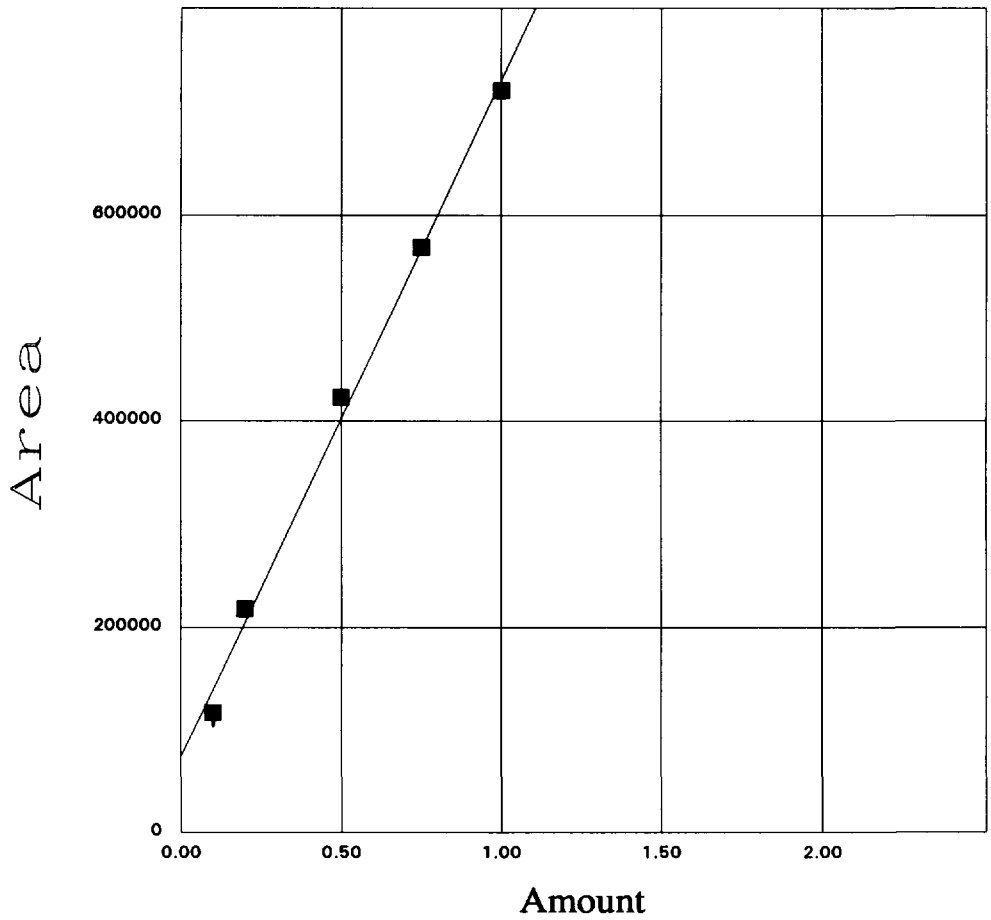
CALPLOT Output For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:10 AM

Curve Parameters:

PRIMARY COLUMN

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995052
Calibration Curve = (74922.414063) + (656965.062500)X

# 1242-A



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:10 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995052

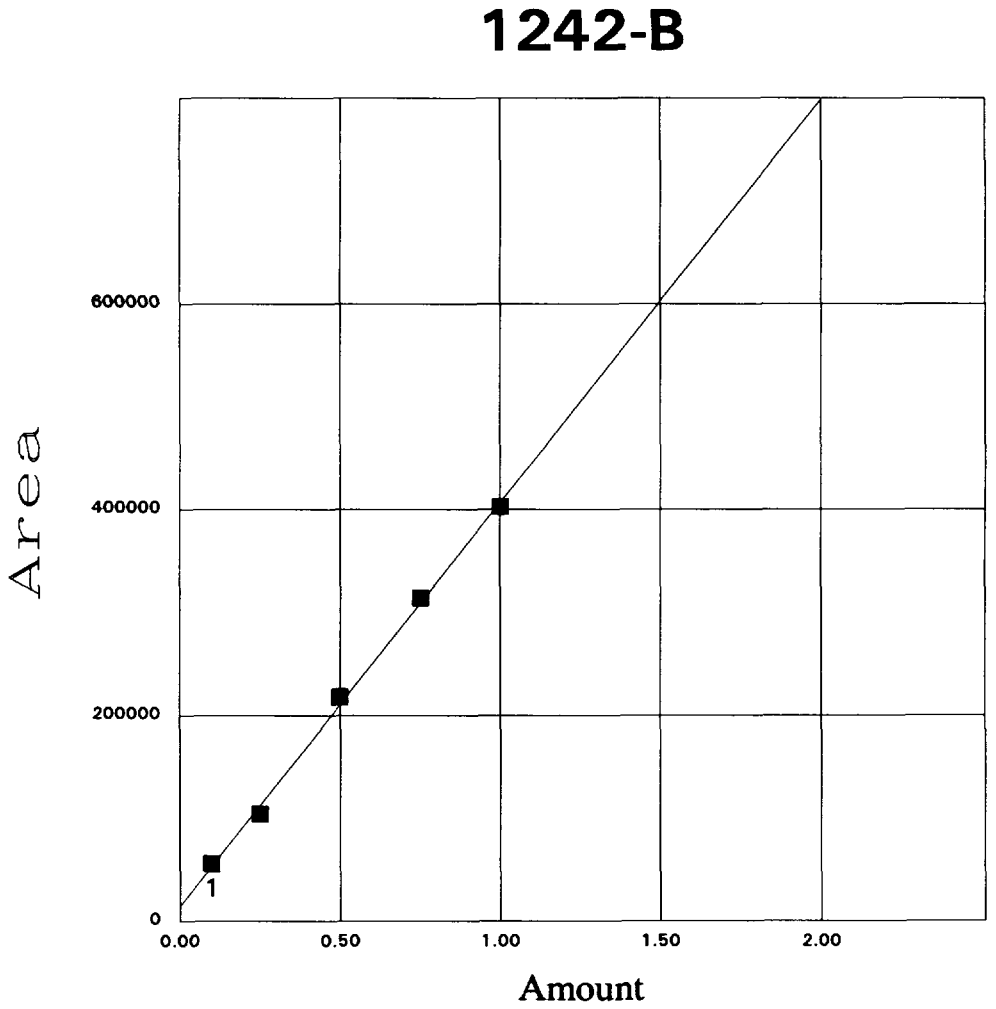
Calibration Curve = (74922.414063) + (656965.062500)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.065543 | 0.034458 | 34.458 | 117981.531250 | 140618.921875 | -22637.390625 | -19.187 |
| 2 | 0.200000 | 0.218893 | -0.018893 | -9.446 | 218727.250000 | 206315.421875 | 12411.828125 | 5.675 |
| 3 | 0.500000 | 0.530846 | -0.030846 | -6.169 | 423669.531250 | 403404.937500 | 20264.593750 | 4.783 |
| 4 | 0.750000 | 0.751899 | -0.001899 | -0.253 | 568893.750000 | 567646.187500 | 1247.562500 | 0.219 |
| 5 | 1.000000 | 0.982820 | 0.017180 | 1.718 | 720600.875000 | 731887.500000 | -11286.625000 | -1.566 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:10 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997827
Calibration Curve = (15419.479492) + (392602.437500)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997827

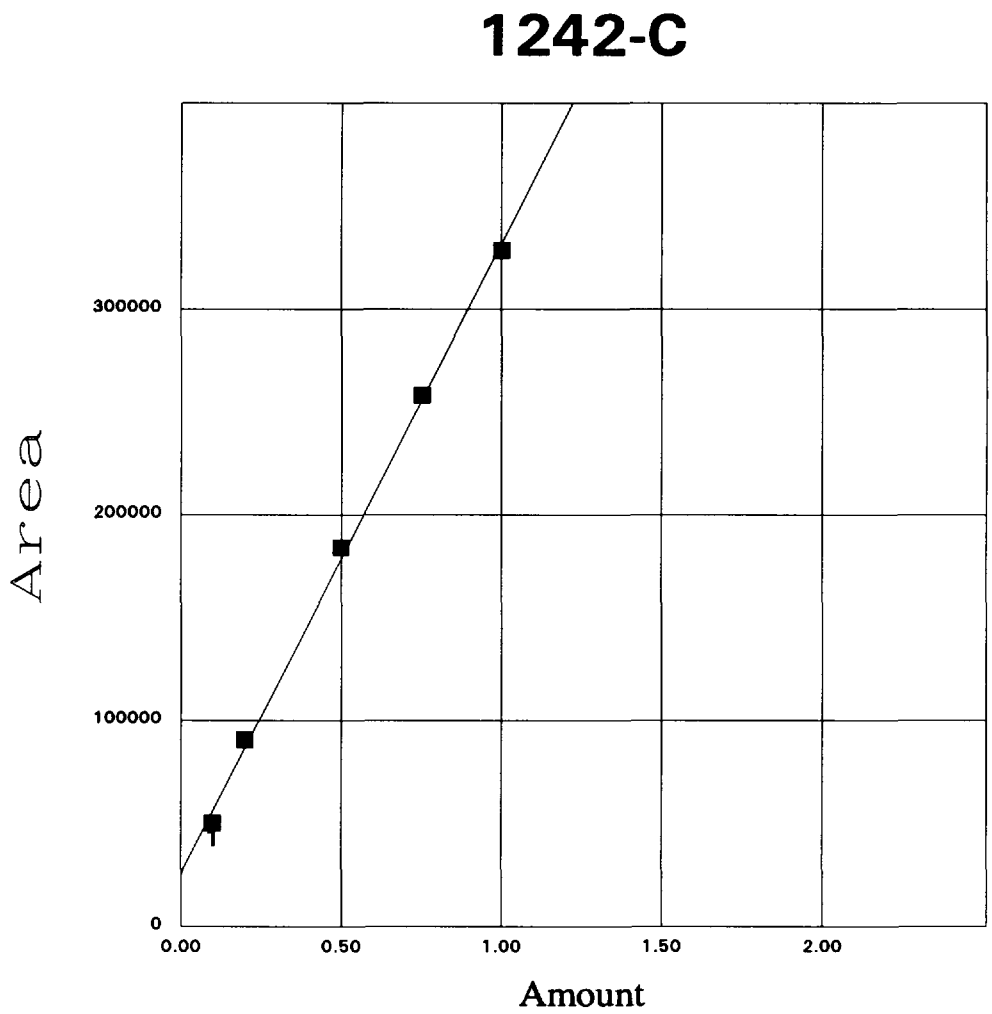
Calibration Curve = (15419.479492) + (392602.437500)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.105406 | -0.005406 | -5.406 | 56801.968750 | 54679.722656 | 2122.246094 | 3.736 |
| 2 | 0.250000 | 0.227542 | 0.022458 | 8.983 | 104752.968750 | 113570.085938 | -8817.117188 | -8.417 |
| 3 | 0.500000 | 0.518114 | -0.018114 | -3.623 | 218832.156250 | 211720.703125 | 7111.453125 | 3.250 |
| 4 | 0.750000 | 0.761687 | -0.011687 | -1.558 | 314459.687500 | 309871.312500 | 4588.375000 | 1.459 |
| 5 | 1.000000 | 0.987252 | 0.012748 | 1.275 | 403016.968750 | 408021.906250 | -5004.937500 | -1.242 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998170
Calibration Curve = (26059.949219) + (306769.875000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998170

Calibration Curve = (26059.949219) + (306769.875000)X

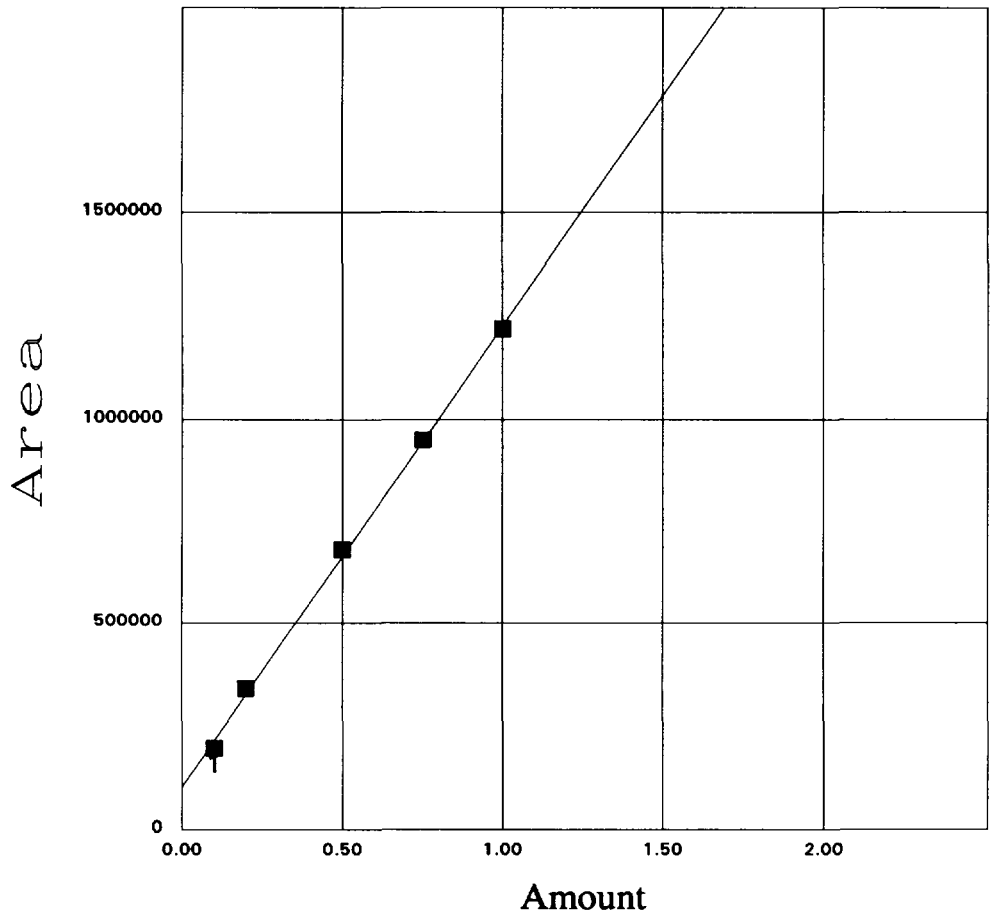
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.079310 | 0.020690 | 20.690 | 50389.906250 | 56736.937500 | -6347.031250 | -12.596 |
| 2 | 0.200000 | 0.211136 | -0.011136 | -5.568 | 90830.218750 | 87413.921875 | 3416.296875 | 3.761 |
| 3 | 0.500000 | 0.516055 | -0.016055 | -3.211 | 184369.937500 | 179444.890625 | 4925.046875 | 2.671 |
| 4 | 0.750000 | 0.756738 | -0.006738 | -0.898 | 258204.453125 | 256137.359375 | 2067.093750 | 0.801 |
| 5 | 1.000000 | 0.986761 | 0.013239 | 1.324 | 328768.437500 | 332829.812500 | -4061.375000 | -1.235 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998791
Calibration Curve = (105294.117188) + (1123350.875000)X

# 1242-D



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998791

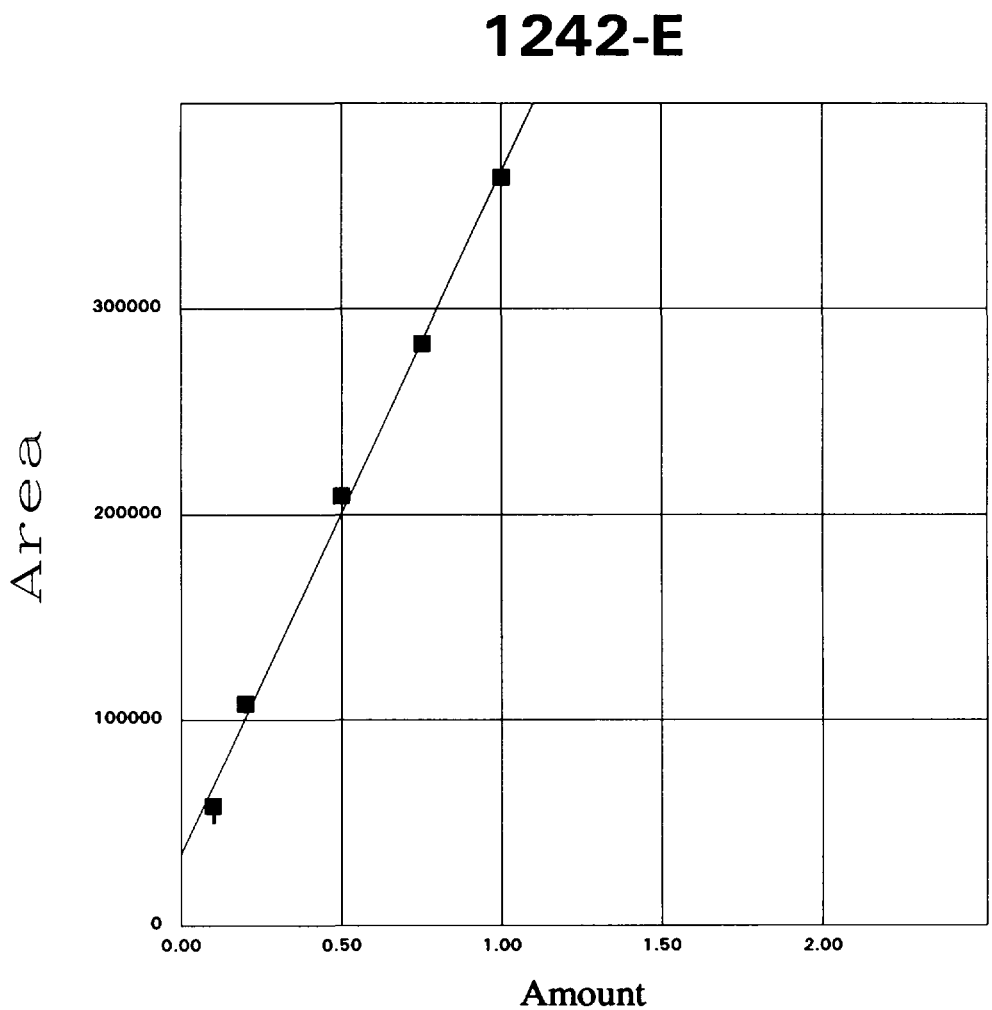
Calibration Curve = (105294.117188) + (1123350.875000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.082586 | 0.017415 | 17.415 | 198066.656250 | 217629.203125 | -19562.546875 | -9.877 |
| 2 | 0.200000 | 0.210350 | -0.010350 | -5.175 | 341590.812500 | 329964.281250 | 11626.531250 | 3.404 |
| 3 | 0.500000 | 0.513432 | -0.013432 | -2.686 | 682058.125000 | 666969.562500 | 15088.562500 | 2.212 |
| 4 | 0.750000 | 0.752709 | -0.002709 | -0.361 | 950850.625000 | 947807.250000 | 3043.375000 | 0.320 |
| 5 | 1.000000 | 0.990924 | 0.009076 | 0.908 | 1218449.250000 | 1228645.000000 | -10195.750000 | -0.837 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996334
Calibration Curve = (35096.699219) + (332264.937500)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996334

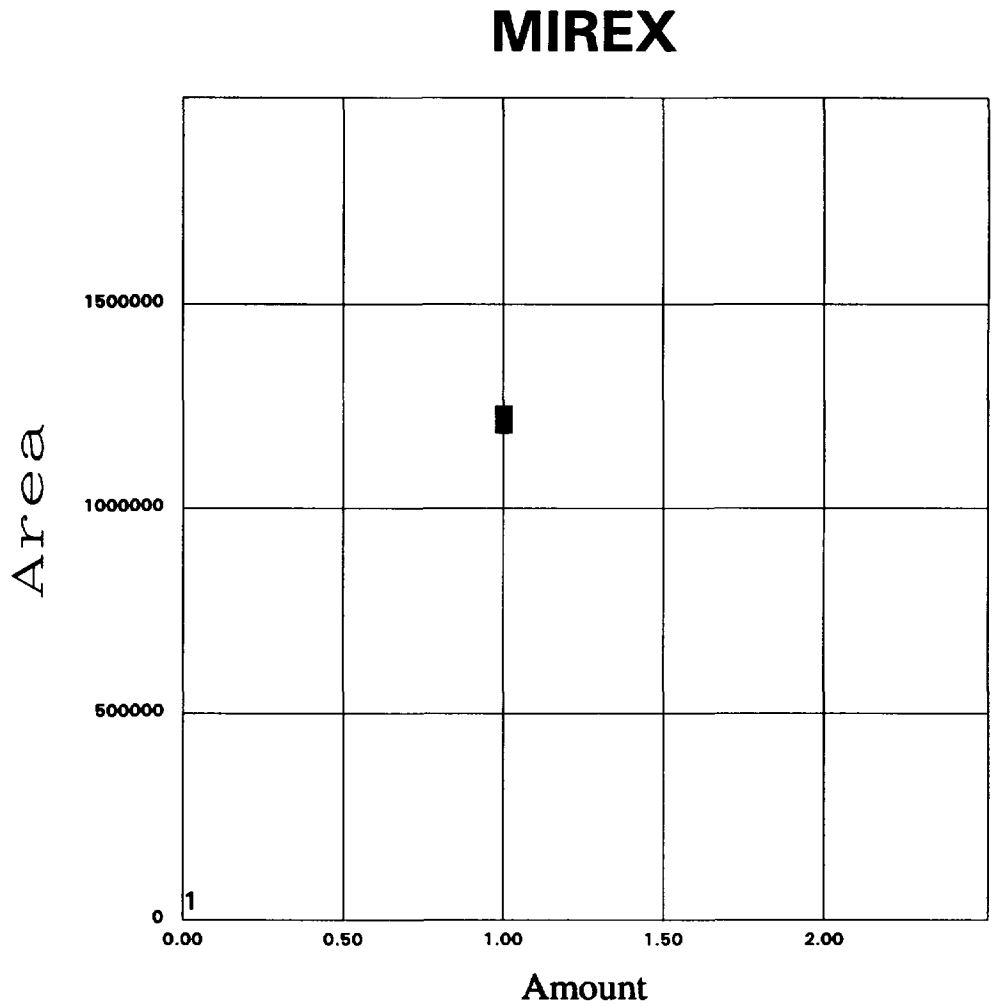
Calibration Curve = (35096.699219) + (332264.937500)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.069611 | 0.030389 | 30.389 | 58226.000000 | 68323.195313 | -10097.195313 | -17.341 |
| 2 | 0.200000 | 0.219607 | -0.019607 | -9.803 | 108064.281250 | 101549.687500 | 6514.593750 | 6.028 |
| 3 | 0.500000 | 0.525130 | -0.025130 | -5.026 | 209579.000000 | 201229.171875 | 8349.828125 | 3.984 |
| 4 | 0.750000 | 0.746399 | 0.003601 | 0.480 | 283098.937500 | 284295.406250 | -1196.468750 | -0.423 |
| 5 | 1.000000 | 0.989253 | 0.010747 | 1.075 | 363790.875000 | 367361.625000 | -3570.750000 | -0.982 |

CALPLOT Output For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000
Calibration Curve = (0.000000) + (0.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\1MET42.SMP"
Date: 9/27/94 Time: 11:11 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000

Calibration Curve = (0.000000) + (0.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 5 | 1.000000 | ---------- | ---------- | ------- | 1215170.000000 | 0.000000 | 1.215170e6 | 100.000 |
| 4 | 1.000000 | ---------- | ---------- | ------- | 1219006.000000 | 0.000000 | 1.219006e6 | 100.000 |
| 3 | 1.000000 | ---------- | ---------- | ------- | 1204166.000000 | 0.000000 | 1.204166e6 | 100.000 |
| 2 | 1.000000 | ---------- | ---------- | ------- | 1224834.500000 | 0.000000 | 1.224834e6 | 100.000 |
| 1 | 1.000000 | ---------- | ---------- | ------- | 1232659.000000 | 0.000000 | 1.232659e6 | 100.000 |

Software Version: 3.1 <2A23>

Sample Name : AR 1242 L1
Sample Number: 15
Operator : KM

Time : 9/27/94 04:00 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 01:27 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_015.raw
Result File : C:\2700\DATA2\2AL_015.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 5 | 8.80 | 1242-A | 0.0777 | 15187 | 3092 | MIREX | 1.9557e5 |
| 6 | 9.27 | 1242-B | 0.0740 | 193759 | 27088 | MIREX | 2.6173e6 |
| 8 | 9.69 | 1242-C | 0.0786 | 112505 | 21692 | MIREX | 1.4314e6 |
| 10 | 10.26 | 1242-D | 0.0759 | 303548 | 46888 | MIREX | 3.9971e6 |
| 11 | 10.49 | 1242-E | 0.0770 | 137958 | 25792 | MIREX | 1.7918e6 |
| 23 | 20.22 | MIREX | 0.0000 | 983159 | 76244 | MIREX | ------- |
| | | | 0.3832 | 1746115 | 200795 | | 1.0033e7 |

AU (n=5): 0.077

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

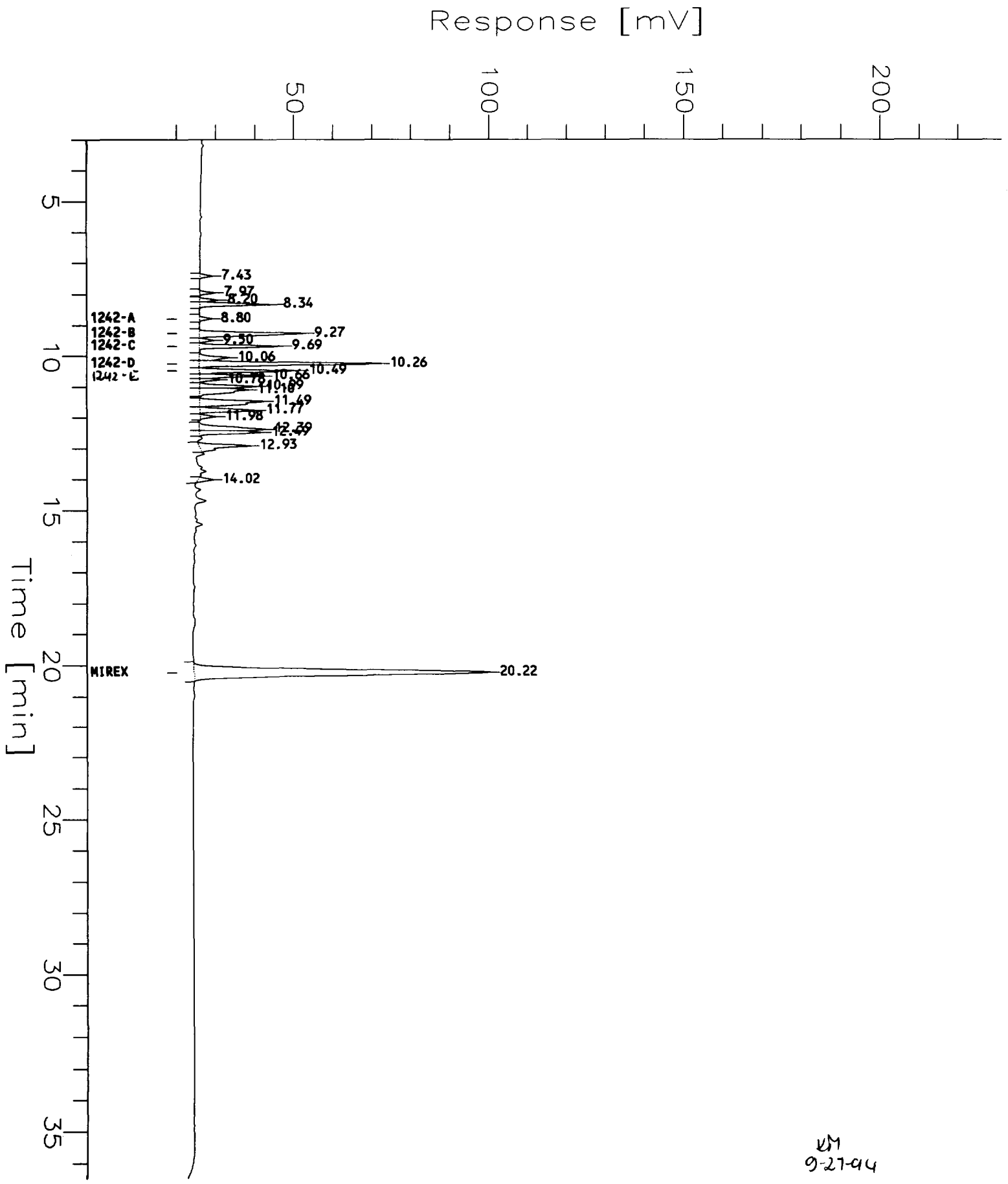
KM
9-27-94

# Chromatogram

**Sample Name** : AR 1242 L1
**FileName** : C:\2700\DATA2\2AL_015.raw
**Start Time** : 3.00 min  **End Time** : 36.50 min
**Scale Factor**: 0  **Plot Offset**: 20 mV

**Sample #**: 15
**Date** : 9/27/94 04:00 PM
**Low Point** : 20.00 mV  **High Point** : 220.00 mV
**Plot Scale**: 200 mV






KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : AR 1242 L2 Time : 9/27/94 04:01 PM
Sample Number: 16 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 02:10 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_016.raw
Result File : C:\2700\DATA2\2AL_016.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 5 | 8.80 | 1242-A | 0.2105 | 29855 | 5897 | MIREX | 1.4181e5 |
| 6 | 9.27 | 1242-B | 0.2115 | 344825 | 47558 | MIREX | 1.6302e6 |
| 8 | 9.69 | 1242-C | 0.2108 | 205613 | 39535 | MIREX | 9.7518e5 |
| 10 | 10.26 | 1242-D | 0.2121 | 549727 | 85092 | MIREX | 2.5919e6 |
| 11 | 10.49 | 1242-E | 0.2122 | 250916 | 46436 | MIREX | 1.1825e6 |
| 28 | 20.23 | MIREX | 0.0000 | 991816 | 77748 | MIREX | ------- |
| | | | 1.0572 | 2372751 | 302265 | | 6.5217e6 |

AU (n=5 ): 0.211

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-27-94

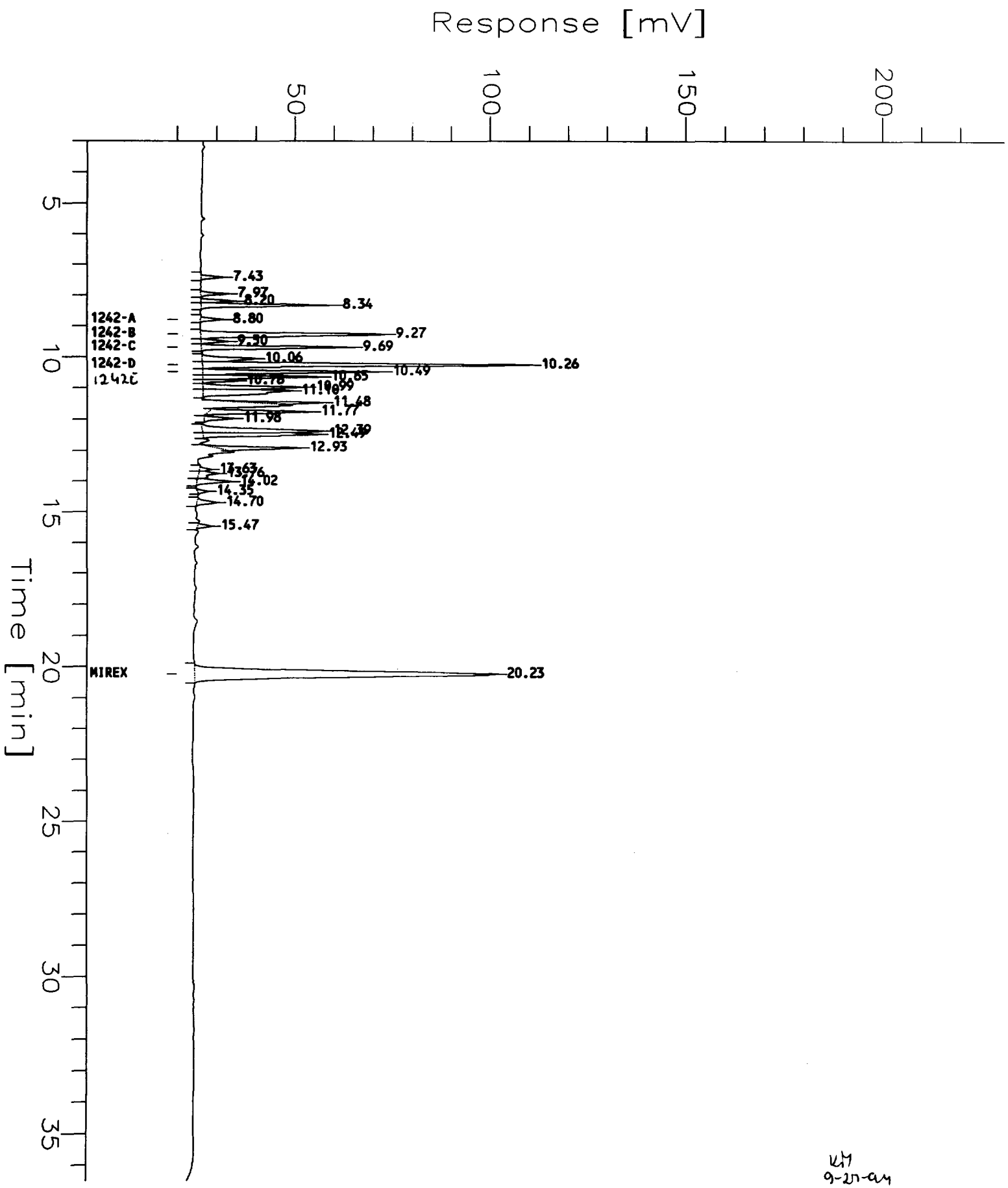
# Chromatogram

Sample Name : AR 1242 L2
FileName : C:\2700\DATA2\2AL_016.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 16
Date : 9/27/94 04:01 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : AR 1242 L3 Time : 9/27/94 04:01 PM
Sample Number: 17 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 02:53 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_017.raw
Result File : C:\2700\DATA2\2AL_017.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 5 | 8.80 | 1242-A | 0.5229 | 64344 | 12592 | MIREX | 1.2304e5 |
| 6 | 9.27 | 1242-B | 0.5287 | 693318 | 94905 | MIREX | 1.3114e6 |
| 8 | 9.69 | 1242-C | 0.5234 | 425678 | 80596 | MIREX | 8.1326e5 |
| 10 | 10.26 | 1242-D | 0.5256 | 1116650 | 171683 | MIREX | 2.1244e6 |
| 11 | 10.49 | 1242-E | 0.5244 | 511732 | 94219 | MIREX | 9.7594e5 |
| 32 | 20.23 | MIREX | 0.0000 | 971406 | 76089 | MIREX | ------- |
| | | | 2.6250 | 3783127 | 530084 | | 5.3480e6 |

AU (n=5): 0.525

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

KM
9-27-94

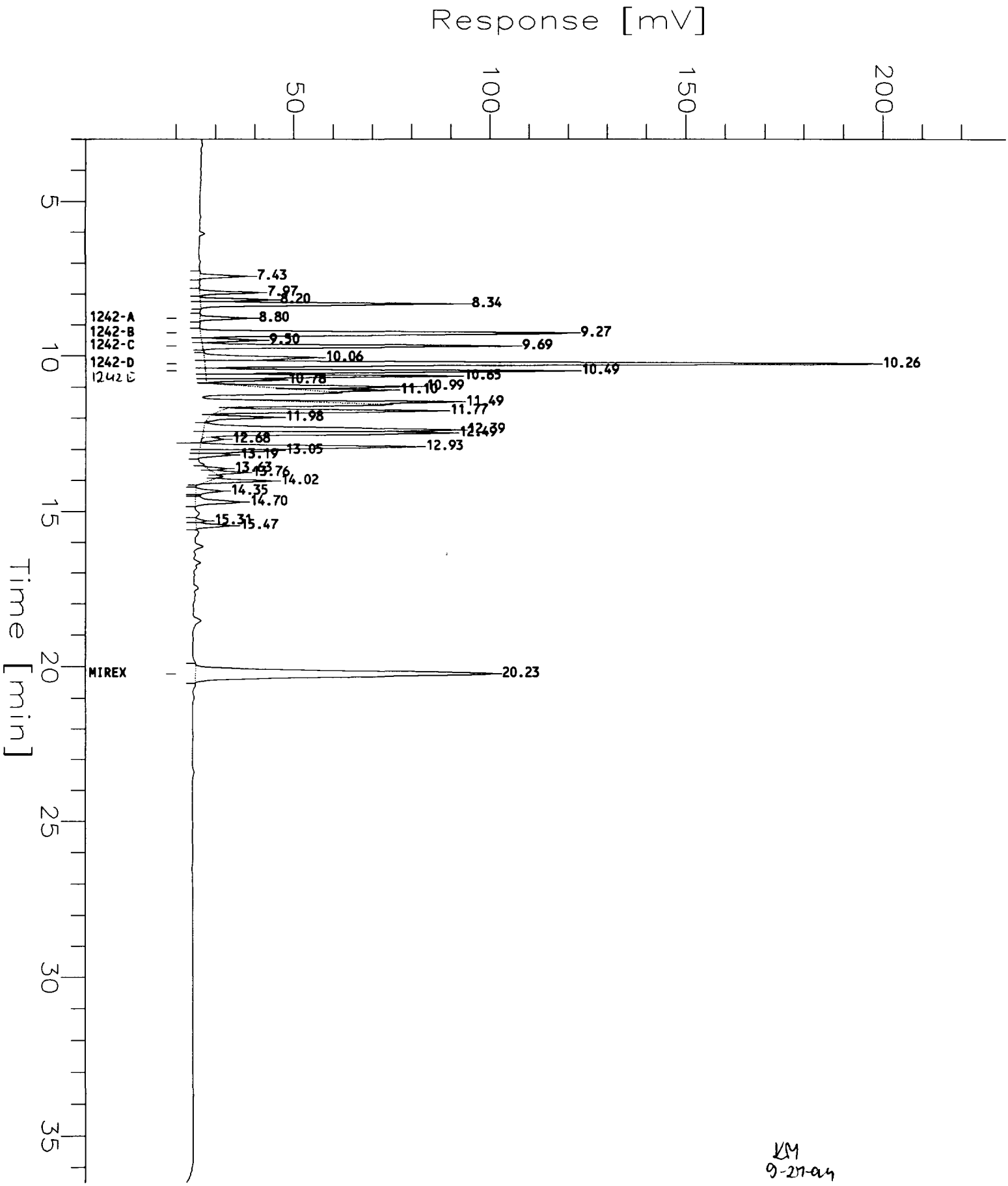
# Chromatogram

Sample Name : AR 1242 L3
FileName : C:\2700\DATA2\2AL_017.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 17
Date : 9/27/94 04:01 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : AR 1242 L4 Time : 9/27/94 04:02 PM
Sample Number: 18 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:36 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_018.raw
Result File : C:\2700\DATA2\2AL_018.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 8.80 | 1242-A | 0.7510 | 89525 | 17260 | MIREX | 1.1920e5 |
| 7 | 9.27 | 1242-B | 0.7493 | 935760 | 126581 | MIREX | 1.2488e6 |
| 9 | 9.69 | 1242-C | 0.7455 | 582045 | 109189 | MIREX | 7.8072e5 |
| 11 | 10.26 | 1242-D | 0.7467 | 1516318 | 232482 | MIREX | 2.0307e6 |
| 12 | 10.49 | 1242-E | 0.7451 | 696200 | 127024 | MIREX | 9.3433e5 |
| 34 | 20.22 | MIREX | 0.0000 | 985381 | 77732 | MIREX | ------- |
| | | | 3.7376 | 4805229 | 690267 | | 5.1138e6 |

AU (n=5) ~0.748

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-27-94

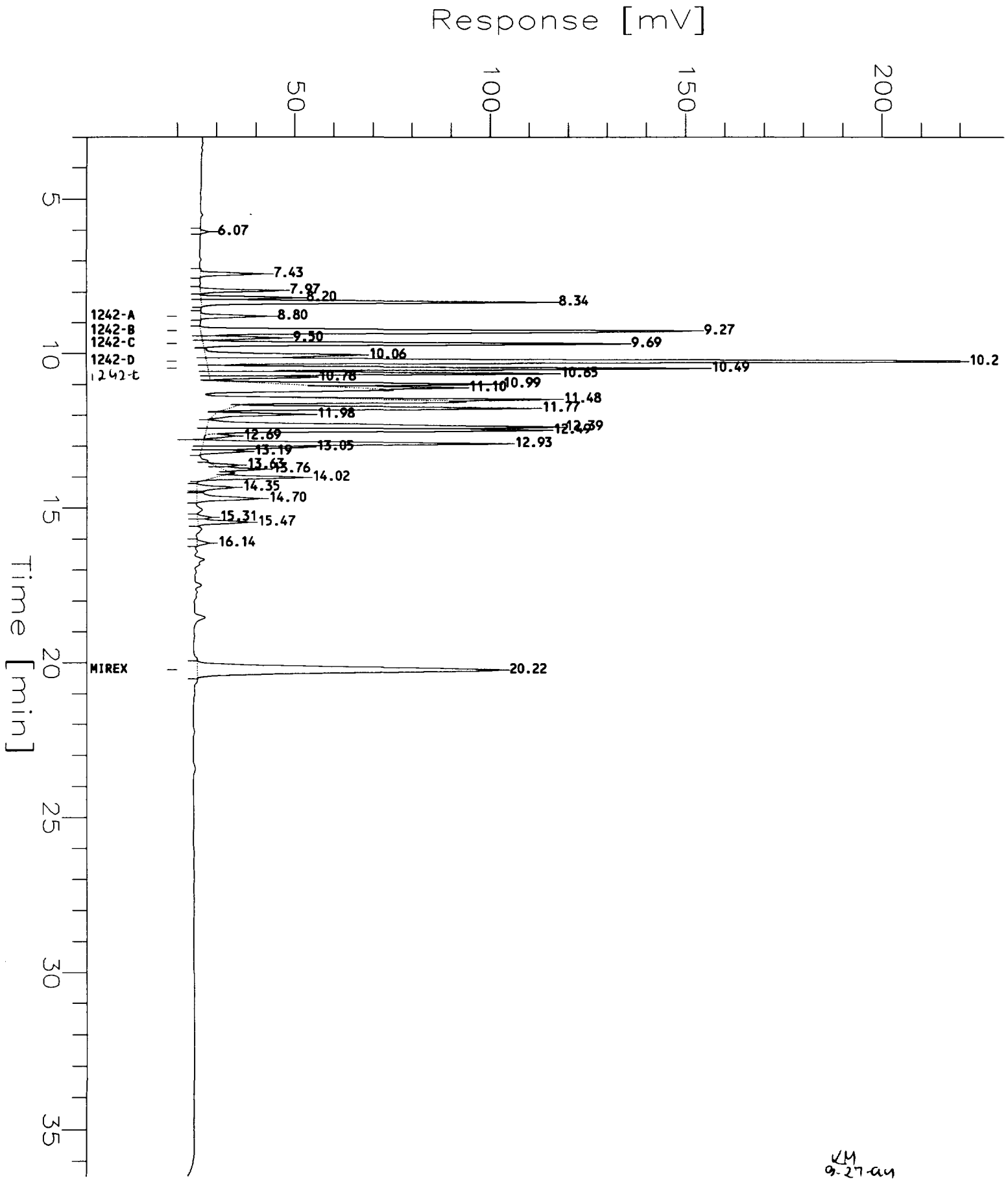
# Chromatogram

Sample Name : AR 1242 L4
FileName : C:\2700\DATA2\2AL_018.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 18
Date : 9/27/94 04:02 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : AR 1242 L5 Time : 9/27/94 04:03 PM
Sample Number: 19 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 04:19 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_019.raw
Result File : C:\2700\DATA2\2AL_019.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 8.80 | 1242-A | 0.9879 | 115684 | 22590 | MIREX | 1.1709e5 |
| 7 | 9.27 | 1242-B | 0.9865 | 1196345 | 161828 | MIREX | 1.2127e6 |
| 9 | 9.69 | 1242-C | 0.9916 | 755318 | 141714 | MIREX | 7.6169e5 |
| 11 | 10.26 | 1242-D | 0.9897 | 1955706 | 299497 | MIREX | 1.9761e6 |
| 12 | 10.49 | 1242-E | 0.9913 | 901919 | 164963 | MIREX | 9.0979e5 |
| 38 | 20.23 | MIREX | 0.0000 | 976782 | 77386 | MIREX | ------- |
| | | | 4.9471 | 5901754 | 867978 | | 4.9774e6 |

AU(n=5): 0.989

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-27-94

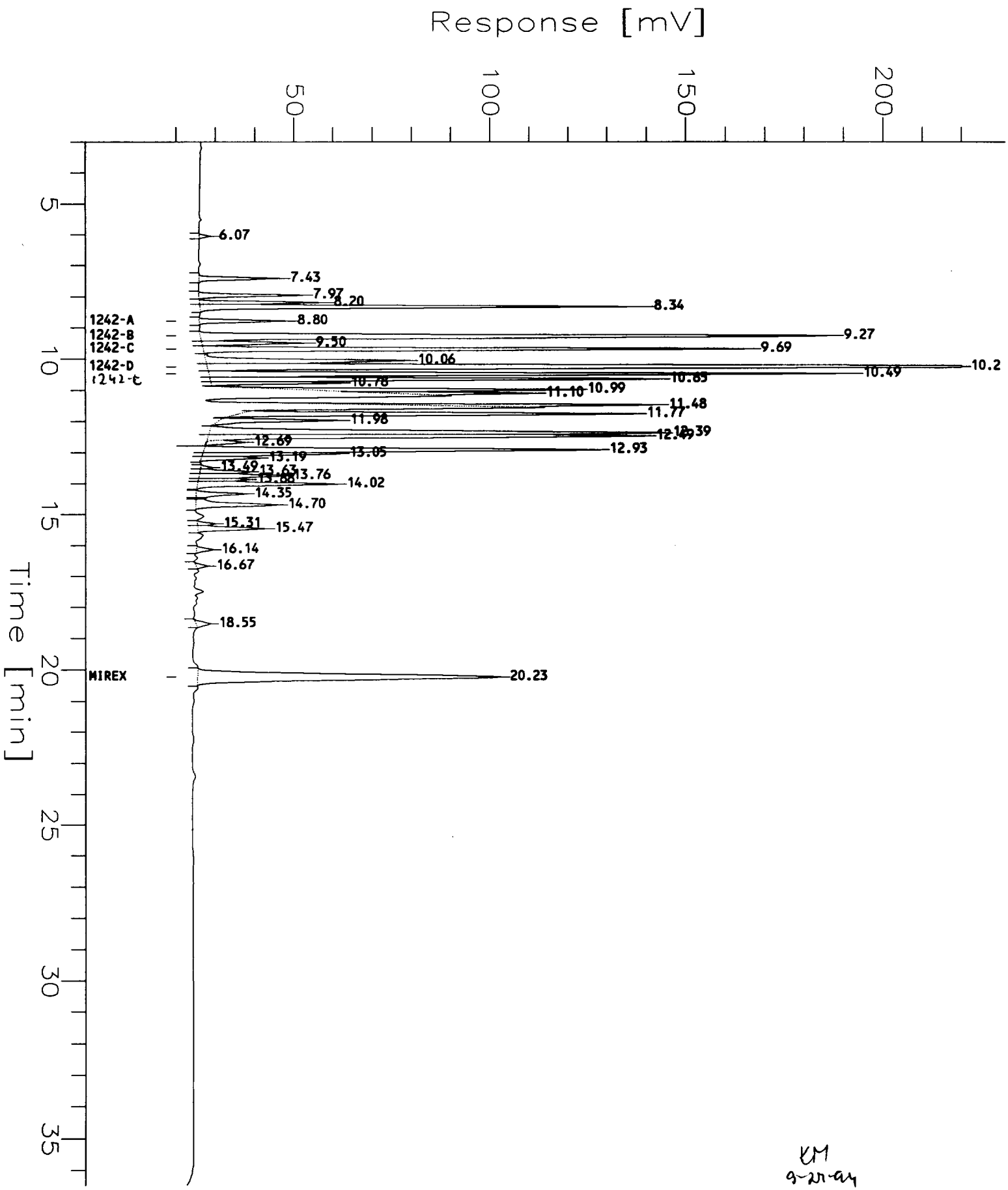
# Chromatogram

Sample Name : AR 1242 L5
FileName : C:\2700\DATA2\2AL_019.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 19
Date : 9/27/94 04:03 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : 1242 L3 #1 Time : 9/29/94 09:34 AM
Sample Number: 32 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 01:39 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_032.raw
Result File : C:\2700\DATA2\2AL_032.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\1al.seq

SECONDARY COLUMN

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 5 | 8.80 | 1242-A | 0.5147 | 63442 | 12470 | MIREX | 1.2325e5 |
| 6 | 9.27 | 1242-B | 0.5104 | 673287 | 92054 | MIREX | 1.3190e6 |
| 8 | 9.69 | 1242-C | 0.5239 | 426043 | 80447 | MIREX | 8.1315e5 |
| 10 | 10.25 | 1242-D | 0.5310 | 1126262 | 173942 | MIREX | 2.1212e6 |
| 11 | 10.49 | 1242-E | 0.5156 | 504447 | 94998 | MIREX | 9.7831e5 |
| 32 | 20.22 | MIREX | 0.0000 | 951563 | 73872 | MIREX | ------- |
| | | | 2.5957 | 3745043 | 527782 | | 5.3549e6 |

AU(n=5) = 0.519

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-29-94

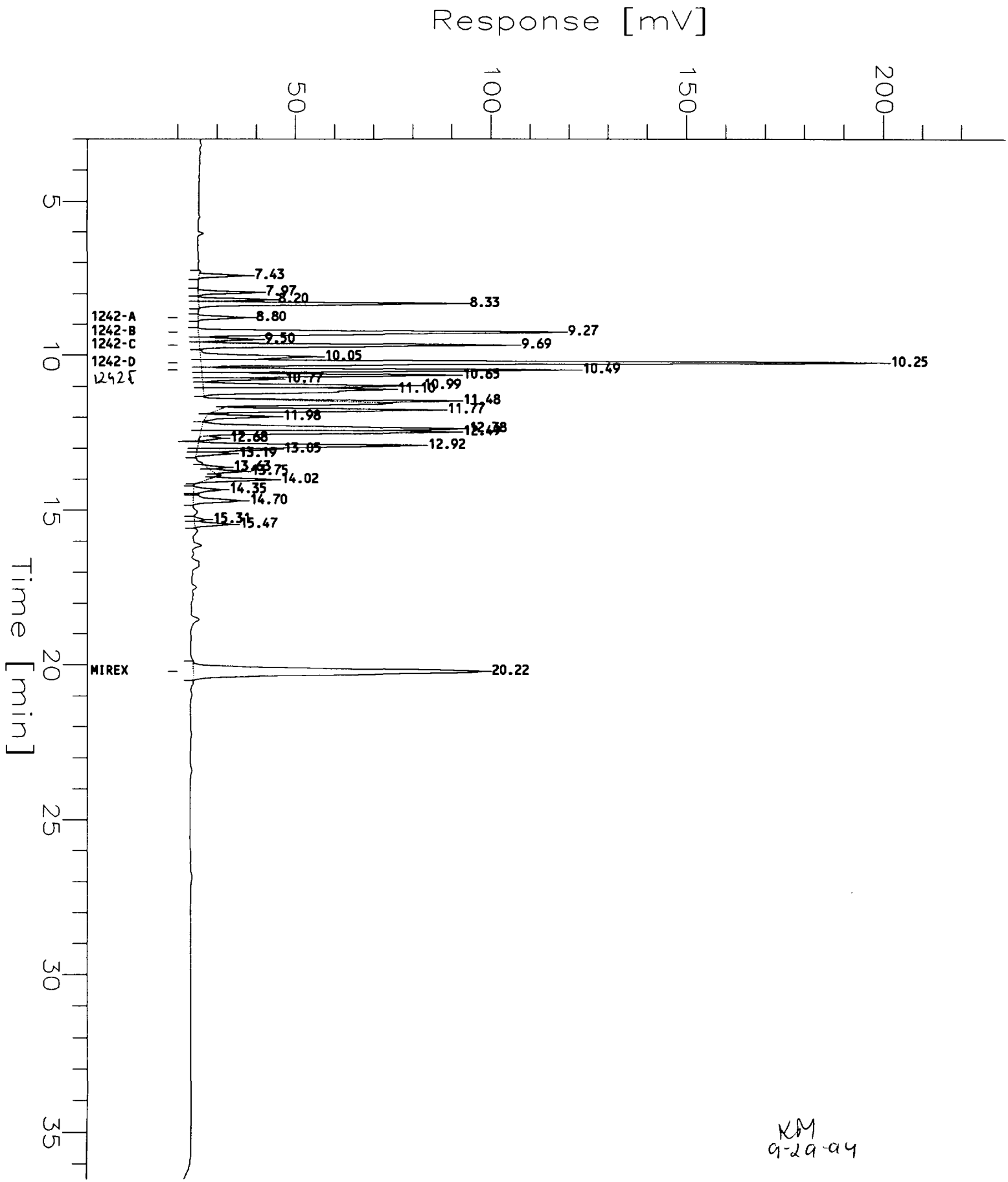
# Chromatogram

Sample Name : 1242 L3 #1
FileName : C:\2700\DATA2\2AL_032.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 32
Date : 9/29/94 09:35 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

Software Version: 3.1 <2A23>
Sample Name : 1242 L3 #2 Time : 9/29/94 09:35 AM
Sample Number: 40 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:22 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_040.raw
Result File : C:\2700\DATA2\2AL_040.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 7 | 8.79 | 1242-A | 0.5074 | 62629 | 12309 | MIREX | 1.2343e5 |
| 8 | 9.27 | 1242-B | 0.5322 | 697188 | 94561 | MIREX | 1.3100e6 |
| 10 | 9.69 | 1242-C | 0.5276 | 428587 | 81187 | MIREX | 8.1241e5 |
| 12 | 10.25 | 1242-D | 0.5267 | 1118551 | 174596 | MIREX | 2.1237e6 |
| 13 | 10.48 | 1242-E | 0.4875 | 480975 | 94495 | MIREX | 9.8654e5 |
| 35 | 20.22 | MIREX | 0.0000 | 956028 | 75124 | MIREX | ------- |
| | | | 2.5813 | 3743958 | 532272 | | 5.3561e6 |

AU(n=5)=0.516

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
9-29-94

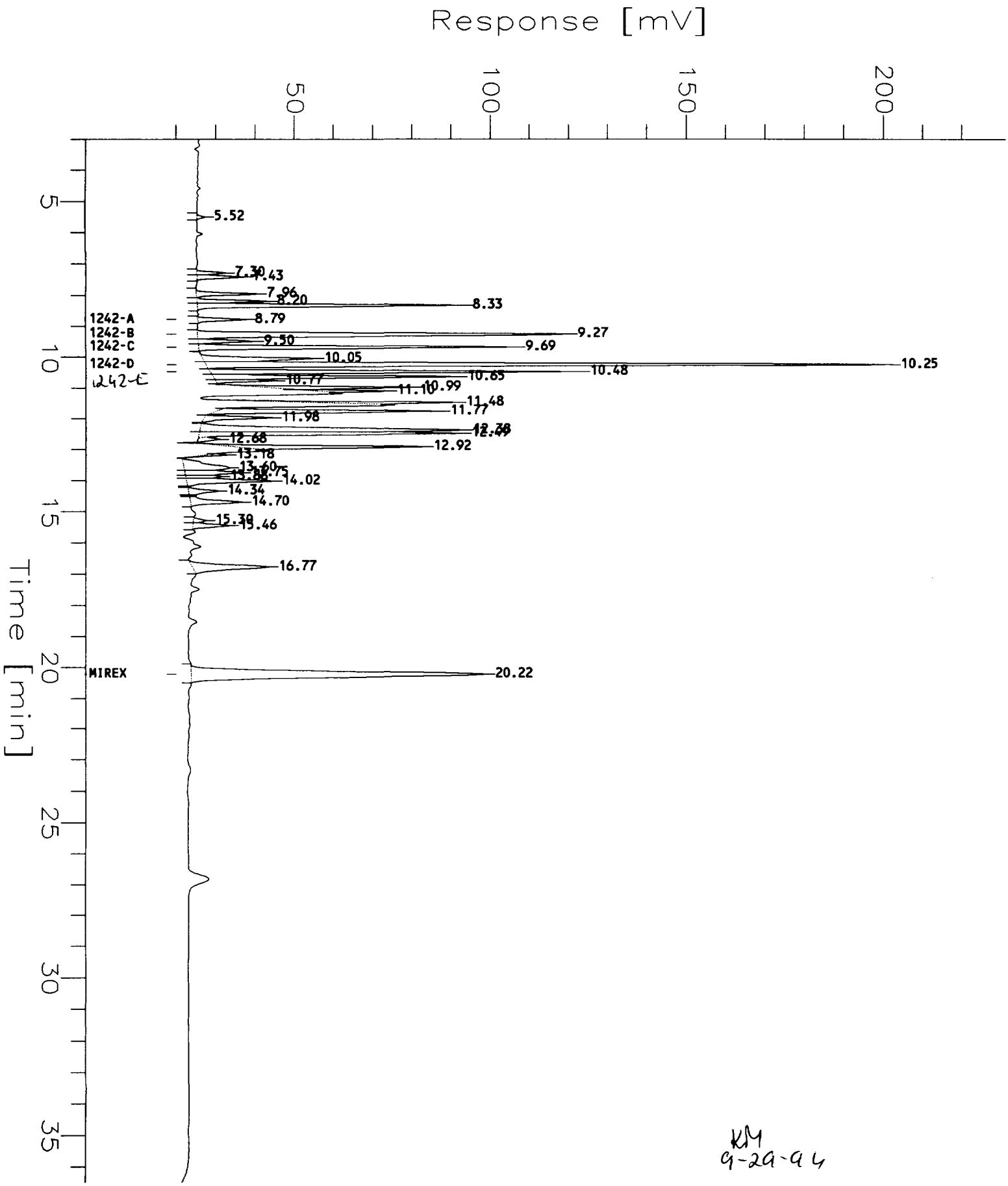
# Chromatogram

Sample Name : 1242 L3 #2
FileName : C:\2700\DATA2\2AL_040.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 40
Date : 9/29/94 09:35 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-29-94

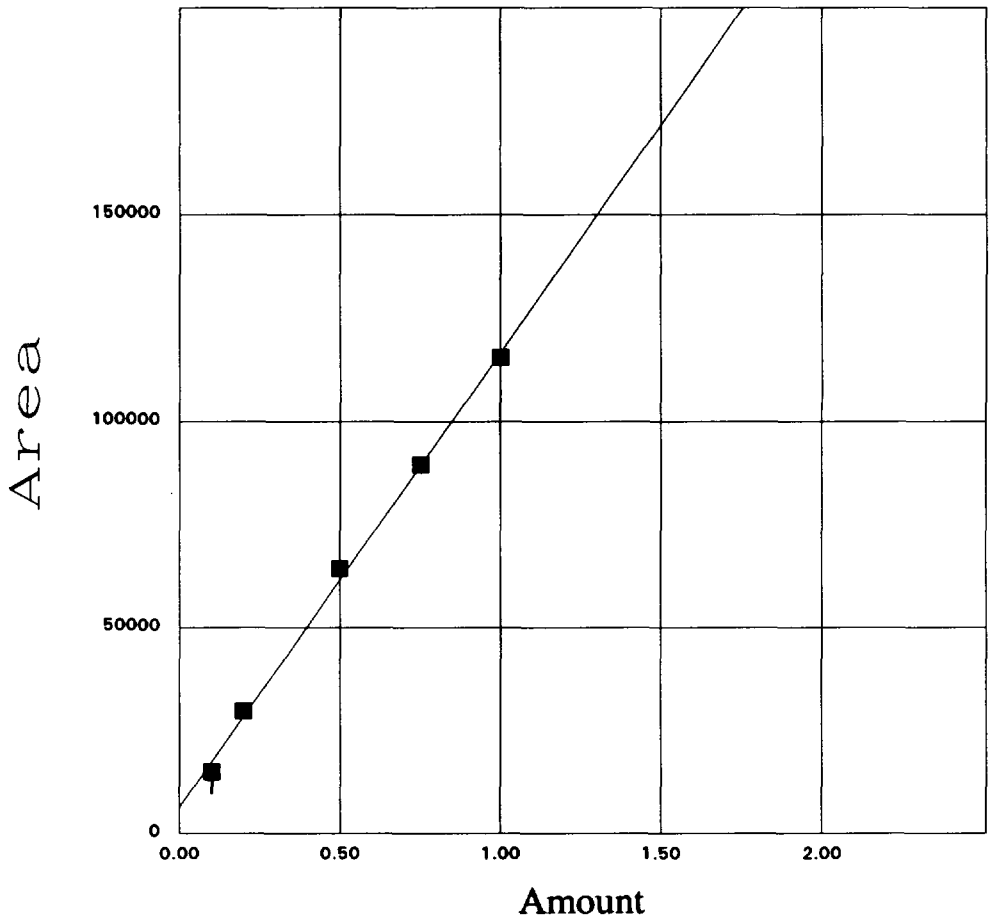
CALPLOT Output For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:51 AM

**Curve Parameters:**

SECONDARY COLUMN

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997726
Calibration Curve = (6613.529297) + (110402.296875)X

# 1242-A



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:51 AM

Data Lists With Calculated Values For Each Fit:

- Curve #1 : First Order Polynomial Fit
  Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997726

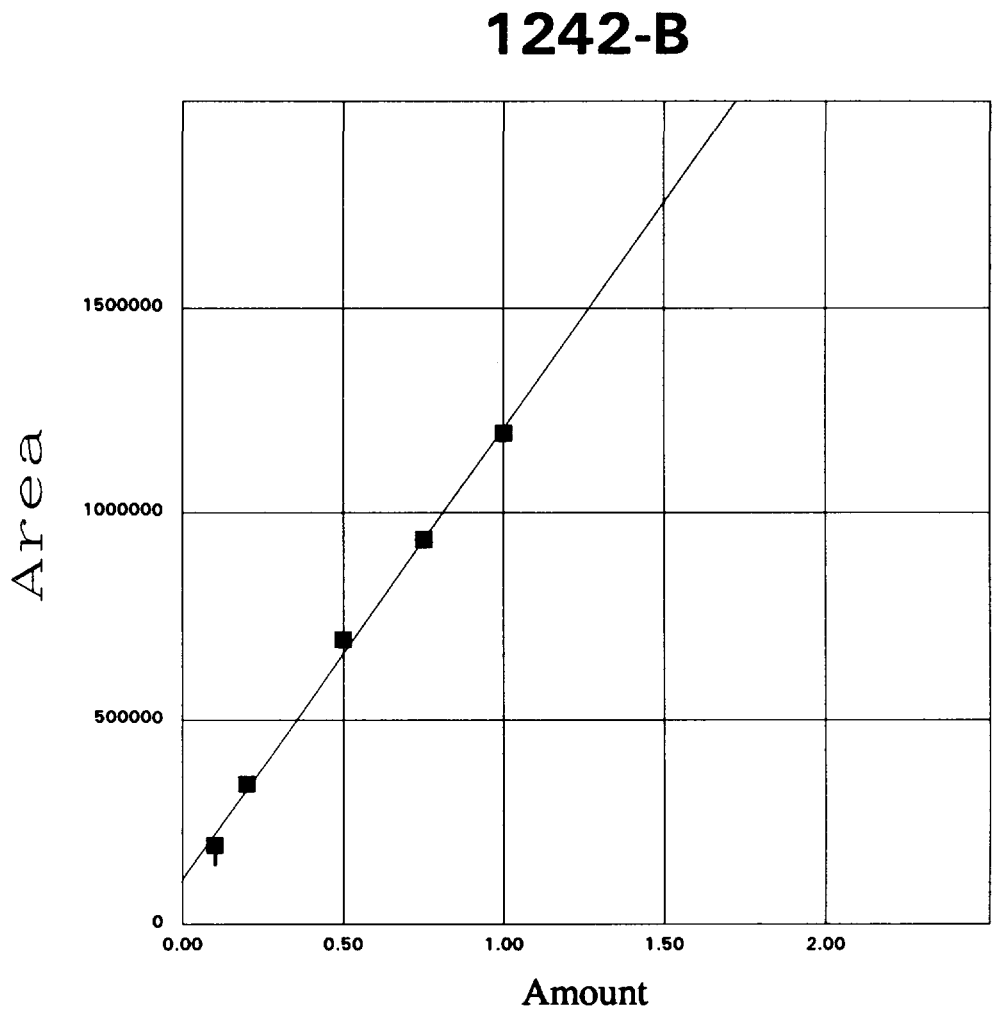
Calibration Curve = (6613.529297) + (110402.296875)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.077652 | 0.022348 | 22.348 | 15186.500000 | 17653.759766 | -2467.259766 | -16.246 |
| 2 | 0.200000 | 0.210516 | -0.010516 | -5.258 | 29855.000000 | 28693.988281 | 1161.011719 | 3.889 |
| 3 | 0.500000 | 0.522906 | -0.022906 | -4.581 | 64343.500000 | 61814.679688 | 2528.820313 | 3.930 |
| 4 | 0.750000 | 0.750990 | -0.000990 | -0.132 | 89524.500000 | 89415.250000 | 109.250000 | 0.122 |
| 5 | 1.000000 | 0.987937 | 0.012063 | 1.206 | 115684.000000 | 117015.828125 | -1331.828125 | -1.151 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:51 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996785
Calibration Curve = (112417.093750) + (1098792.875000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:51 AM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996785

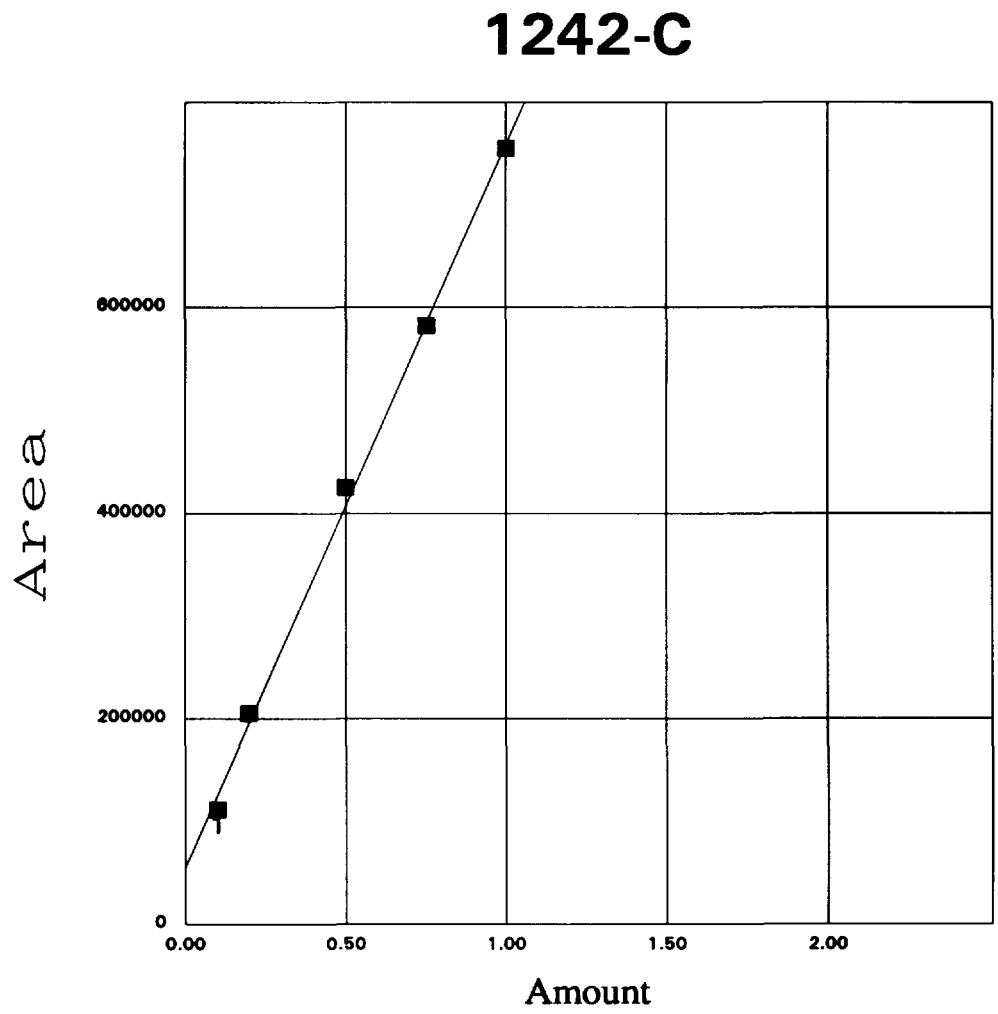
Calibration Curve = (112417.093750) + (1098792.875000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.074028 | 0.025972 | 25.972 | 193758.562500 | 222296.390625 | -28537.828125 | -14.729 |
| 2 | 0.200000 | 0.211512 | -0.011512 | -5.756 | 344825.281250 | 332175.687500 | 12649.593750 | 3.668 |
| 3 | 0.500000 | 0.528672 | -0.028672 | -5.734 | 693317.875000 | 661813.500000 | 31504.375000 | 4.544 |
| 4 | 0.750000 | 0.749316 | 0.000684 | 0.091 | 935760.375000 | 936511.750000 | -751.375000 | -0.080 |
| 5 | 1.000000 | 0.986472 | 0.013528 | 1.353 | 1196345.125000 | 1211210.000000 | -14864.875000 | -1.243 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:51 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997844
Calibration Curve = (57169.097656) + (704044.312500)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:51 AM

Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997844

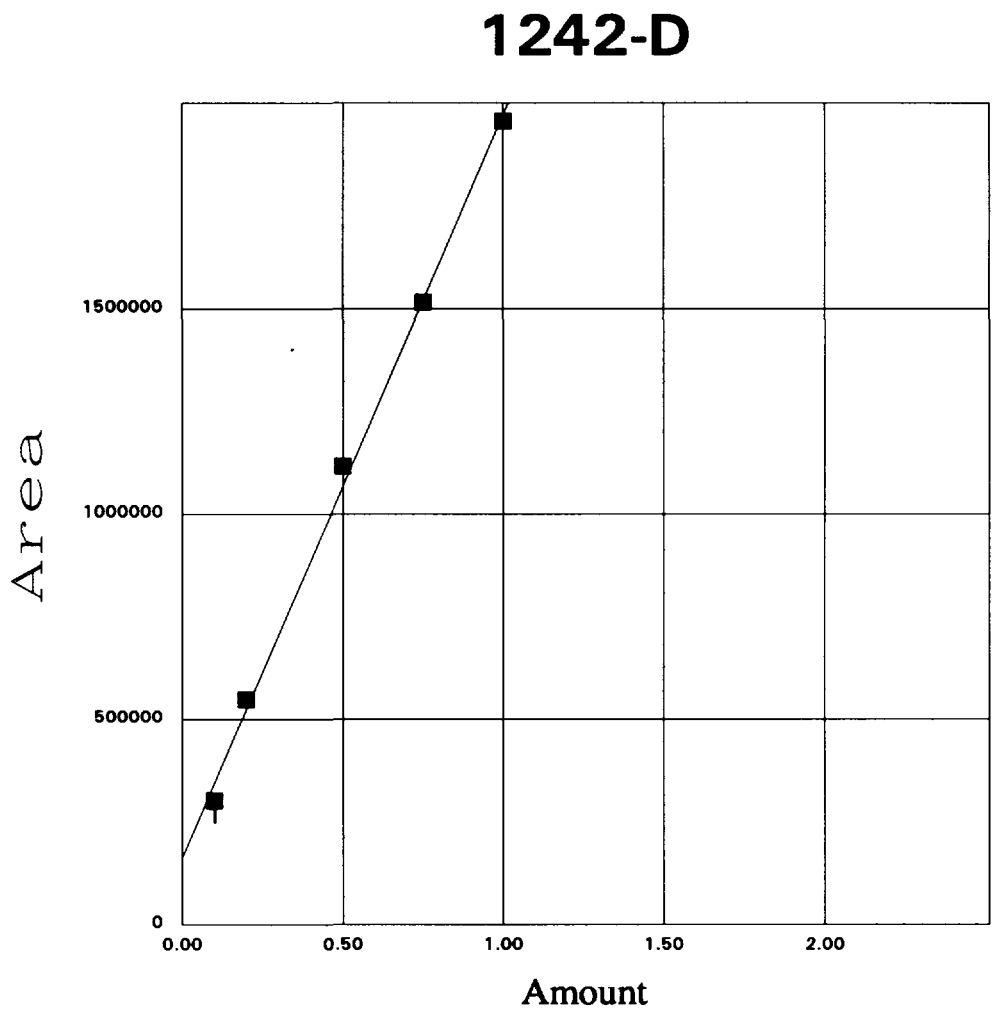
Calibration Curve = (57169.097656) + (704044.312500)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.078597 | 0.021403 | 21.403 | 112504.718750 | 127573.531250 | -15068.812500 | -13.394 |
| 2 | 0.200000 | 0.210844 | -0.010844 | -5.422 | 205612.656250 | 197977.968750 | 7634.687500 | 3.713 |
| 3 | 0.500000 | 0.523418 | -0.023418 | -4.684 | 425678.312500 | 409191.250000 | 16487.062500 | 3.873 |
| 4 | 0.750000 | 0.745515 | 0.004485 | 0.598 | 582045.000000 | 585202.312500 | -3157.312500 | -0.543 |
| 5 | 1.000000 | 0.991626 | 0.008374 | 0.837 | 755317.875000 | 761213.437500 | -5895.562500 | -0.781 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:51 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997339
Calibration Curve = (166237.328125) + (1808142.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:51 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997339

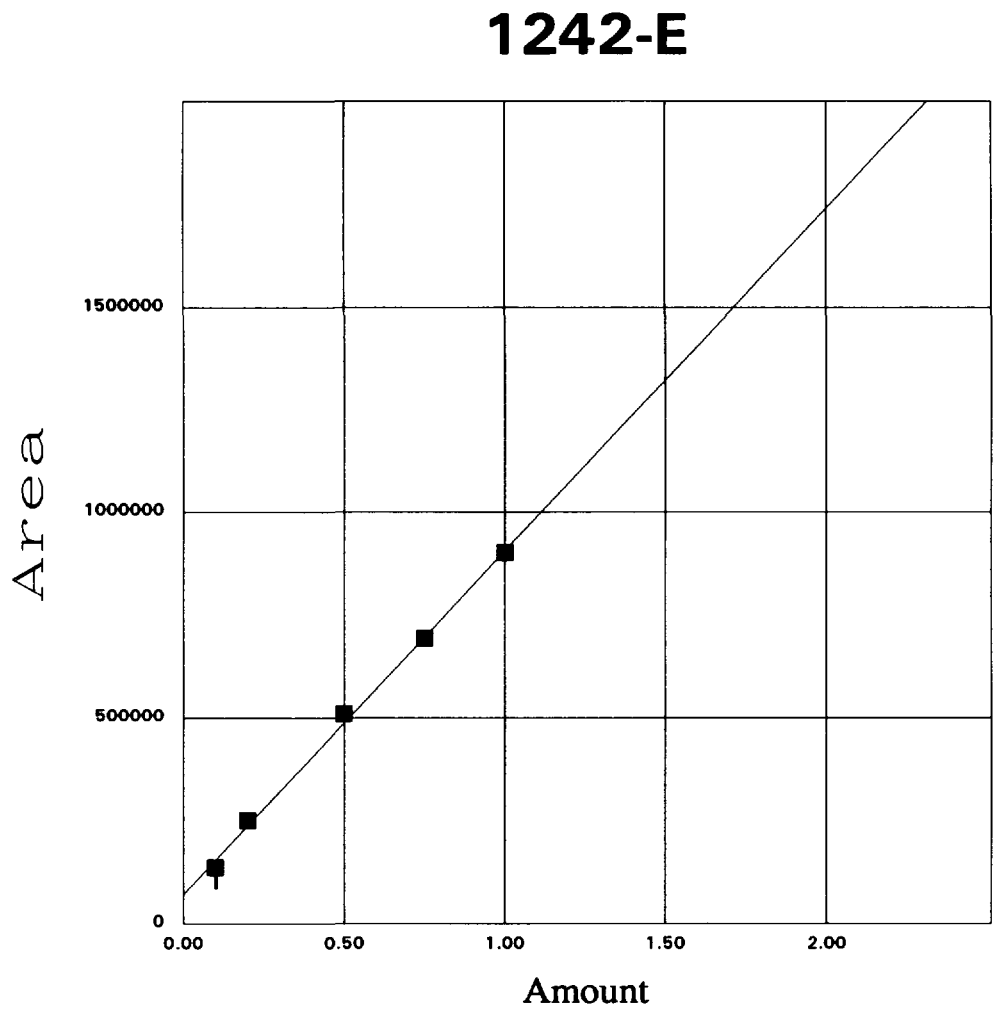
Calibration Curve = (166237.328125) + (1808142.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.075940 | 0.024060 | 24.060 | 303548.343750 | 347051.531250 | -43503.187500 | -14.332 |
| 2 | 0.200000 | 0.212090 | -0.012090 | -6.045 | 549726.500000 | 527865.750000 | 21860.750000 | 3.977 |
| 3 | 0.500000 | 0.525629 | -0.025629 | -5.126 | 1116649.625000 | 1070308.375000 | 46341.250000 | 4.150 |
| 4 | 0.750000 | 0.746668 | 0.003332 | 0.444 | 1516318.375000 | 1522343.875000 | -6025.500000 | -0.397 |
| 5 | 1.000000 | 0.989673 | 0.010327 | 1.033 | 1955706.000000 | 1974379.375000 | -18673.375000 | -0.955 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:52 AM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997570
Calibration Curve = (73627.593750) + (835523.812500)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:52 AM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997570

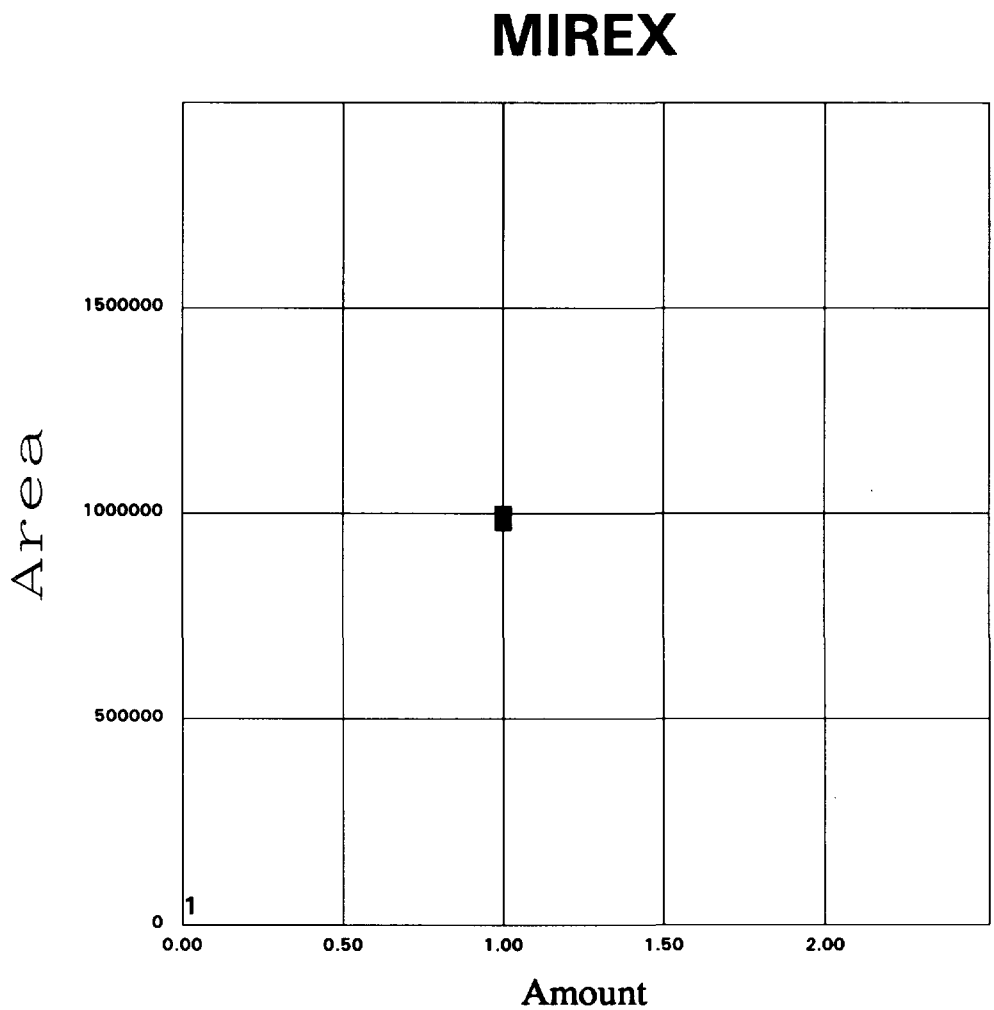
Calibration Curve = (73627.593750) + (835523.812500)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.100000 | 0.076994 | 0.023006 | 23.006 | 137957.718750 | 157179.968750 | -19222.250000 | -13.933 |
| 2 | 0.200000 | 0.212188 | -0.012188 | -6.094 | 250915.687500 | 240732.359375 | 10183.328125 | 4.059 |
| 3 | 0.500000 | 0.524346 | -0.024346 | -4.869 | 511731.500000 | 491389.500000 | 20342.000000 | 3.975 |
| 4 | 0.750000 | 0.745128 | 0.004872 | 0.650 | 696199.875000 | 700270.437500 | -4070.562500 | -0.585 |
| 5 | 1.000000 | 0.991344 | 0.008656 | 0.866 | 901918.875000 | 909151.375000 | -7232.500000 | -0.802 |

CALPLOT Output For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:52 AM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000
Calibration Curve = (0.000000) + (0.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA2\2MET42.SMP"
Date: 9/28/94 Time: 09:52 AM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 : First Order Polynomial Fit**
**Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000**

Calibration Curve = (0.000000) + (0.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 5 | 1.000000 | ---------- | ---------- | ------- | 992935.000000 | 0.000000 | 992935.000000 | 100.000 |
| 4 | 1.000000 | ---------- | ---------- | ------- | 998253.000000 | 0.000000 | 998253.000000 | 100.000 |
| 3 | 1.000000 | ---------- | ---------- | ------- | 978052.000000 | 0.000000 | 978052.000000 | 100.000 |
| 2 | 1.000000 | ---------- | ---------- | ------- | 997041.000000 | 0.000000 | 997041.000000 | 100.000 |
| 1 | 1.000000 | ---------- | ---------- | ------- | 987271.000000 | 0.000000 | 987271.000000 | 100.000 |

Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 1 Time : 10/4/94 10:53 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 03:29 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1WP_002.raw
Result File : C:\2700\DATA2\1WP_002.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\MET42.smp
Sequence File : c:\2700\data2\wp.seq

PRIMARY COLUMN

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-608

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount UG/L |
|---|---|---|---|---|---|---|
| 6 | 8.669 | 42-A | 213663.75 | 43072.40 | 0.0777 | 0.0777 |
| 8 | 9.652 | 42-B | 395870.88 | 74224.40 | 0.0736 | 0.0736 |
| 12 | 10.476 | 42-C | 673307.56 | 108241.31 | 0.0804 | 0.0804 |
| 14 | 11.187 | 42-D | 413796.13 | 62181.65 | 0.0918 | 0.0918 |
| 18 | 11.997 | 42-E | 311884.88 | 45073.10 | 0.0821 | 0.0821 |
| | | | 2008523.25 | 332792.84 | 0.4055 | |

AU(n=5): 0.081

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\1WP_002.TX0

KM
10-04-94

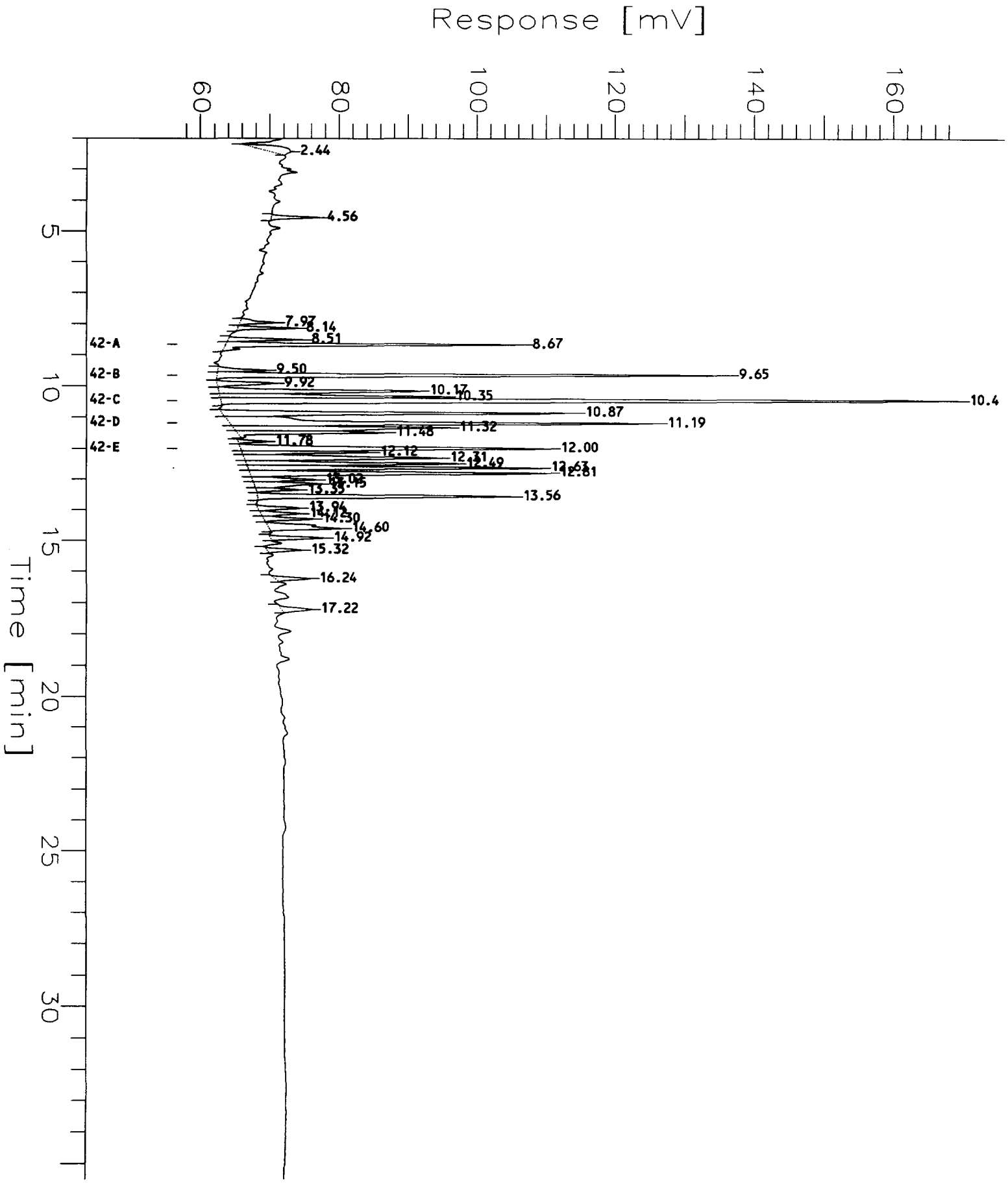
# Chromatogram

Sample Name : STD 1242 LEVEL 1
FileName : C:\2700\DATA2\1WP_002.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 57 mV

Sample #:
Date : 10/4/94 10:53 AM
Low Point : 56.66 mV
Plot Scale: 113 mV



High Point : 169.75 mV



Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 2 Time : 10/4/94 10:53 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 04:13 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1WP_003.raw
Result File : C:\2700\DATA2\1WP_003.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-608

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount UG/L |
|---|---|---|---|---|---|---|
| 6 | 8.669 | 42-A | 364803.00 | 74887.60 | 0.2067 | 0.2067 |
| 9 | 9.652 | 42-B | 690578.63 | 126701.75 | 0.2104 | 0.2104 |
| 13 | 10.477 | 42-C | 1197872.00 | 188605.77 | 0.2088 | 0.2088 |
| 16 | 11.186 | 42-D | 643102.88 | 109894.67 | 0.2000 | 0.2000 |
| 20 | 11.997 | 42-E | 556280.38 | 79465.55 | 0.2049 | 0.2049 |
| | | | 3452637.00 | 579555.38 | 1.0308 | |

AU (n=5) ± 0.206

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\1WP_003.TXO

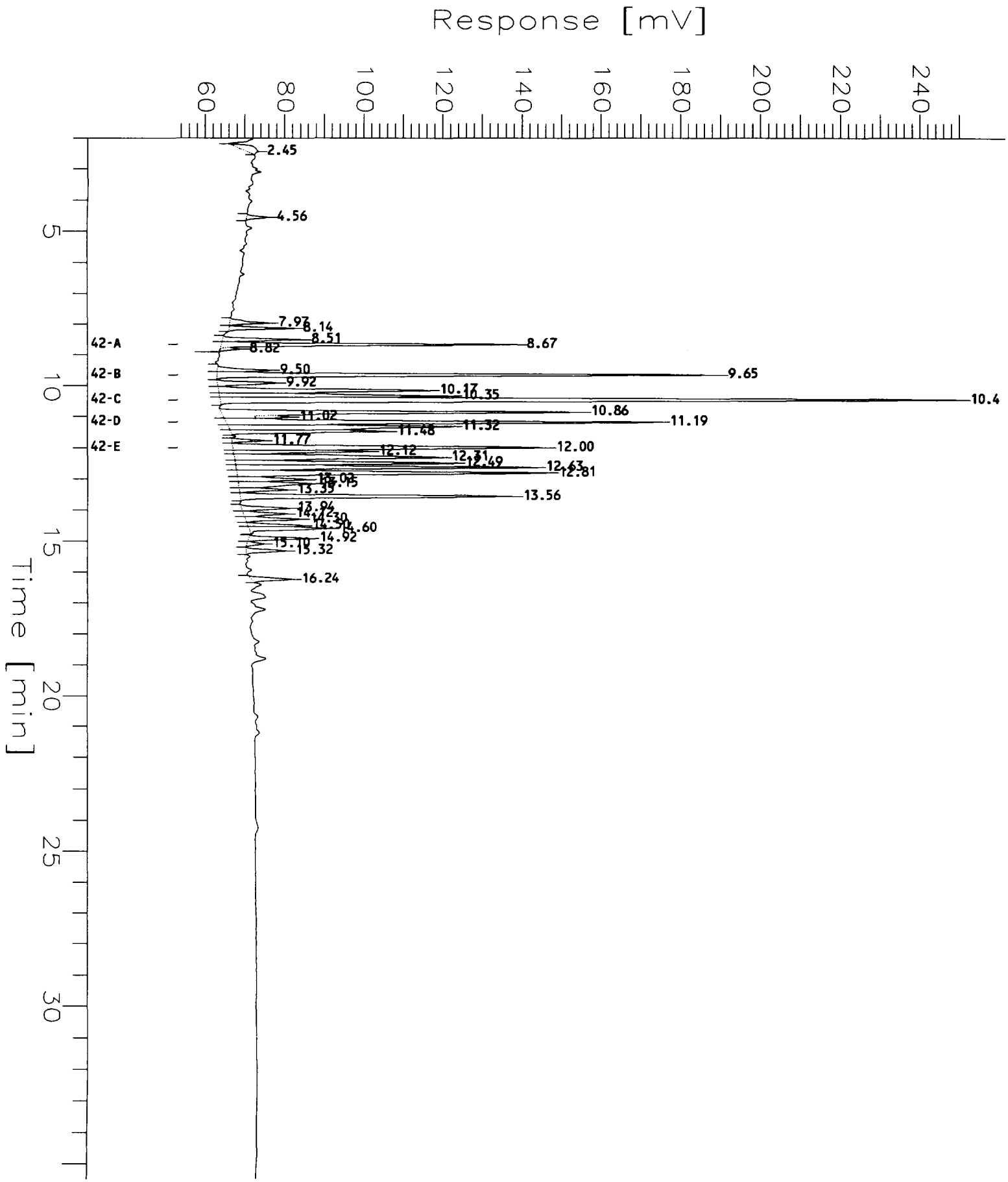
KM
10-04-94.

# Chromatogram

Sample Name : STD 1242 LEVEL 2
FileName : C:\2700\DATA2\1WP_003.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 53 mV

Sample #:
Date : 10/4/94 10:53 AM
Low Point : 53.20 mV High Point : 250.51 mV
Plot Scale: 197 mV





Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 3 Time : 10/4/94 10:53 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 04:56 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1WP_004.raw
Result File : C:\2700\DATA2\1WP_004.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-608

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount UG/L |
|---|---|---|---|---|---|---|
| 6 | 8.668 | 42-A | 745743.94 | 149166.13 | 0.5319 | 0.5319 |
| 9 | 9.652 | 42-B | 1386690.00 | 249242.16 | 0.5336 | 0.5336 |
| 13 | 10.478 | 42-C | 2491849.00 | 389884.94 | 0.5255 | 0.5255 |
| 16 | 11.186 | 42-D | 1317865.75 | 229760.34 | 0.5182 | 0.5182 |
| 21 | 11.998 | 42-E | 1199558.50 | 167990.19 | 0.5283 | 0.5283 |
| | | | 7141707.50 | 1.18e6 | 2.6375 | |

AU(n=5): 0.528

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\1WP_004.TX0

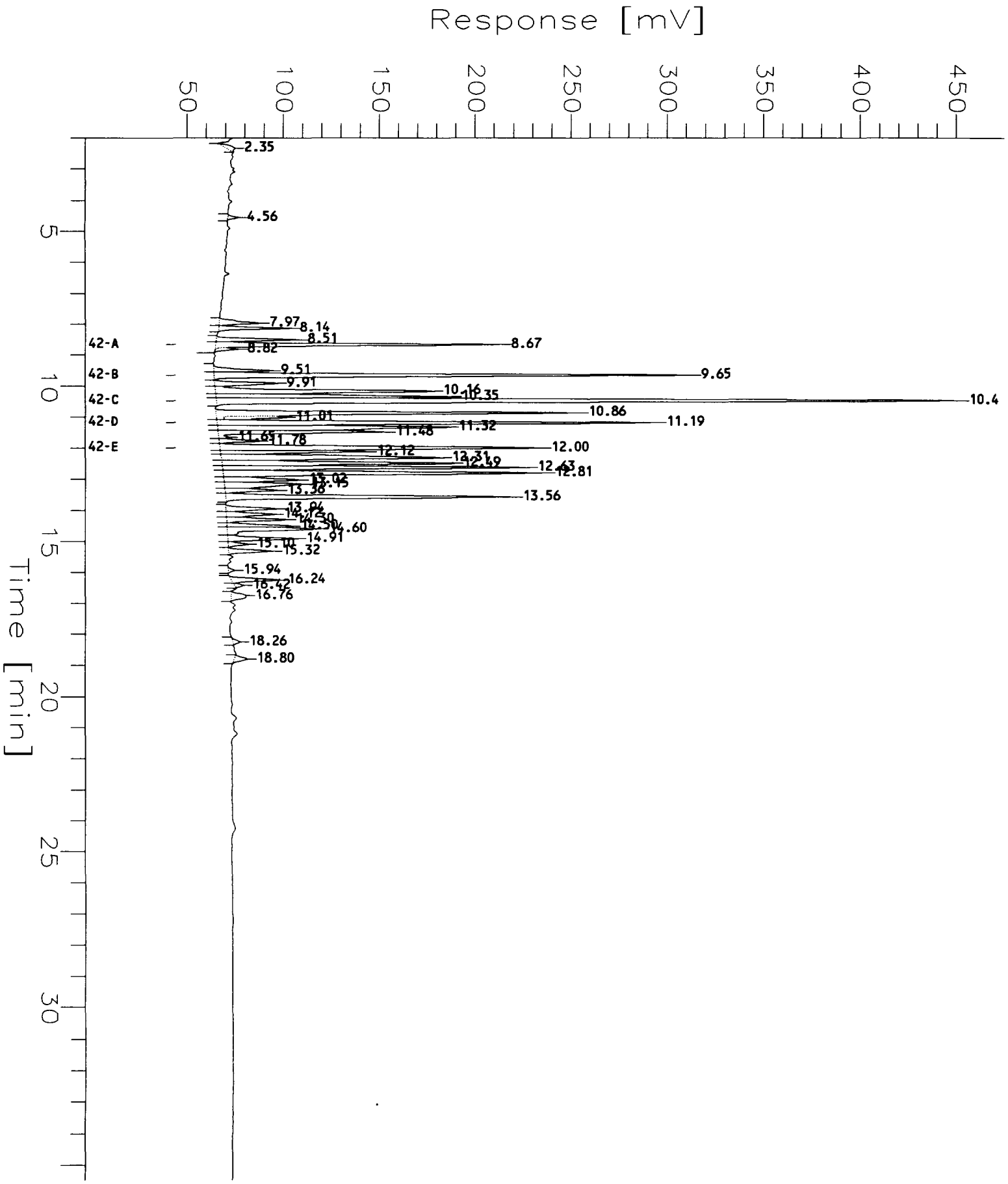
KM
10-04-94

# Chromatogram

Sample Name : STD 1242 LEVEL 3
FileName : C:\2700\DATA2\1WP_004.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 44 mV

Sample #:
Date : 10/4/94 10:53 AM
Low Point : 44.10 mV High Point : 451.91 mV
Plot Scale: 408 mV





Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 4 Time : 10/4/94 10:53 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 05:39 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1WP_005.raw
Result File : C:\2700\DATA2\1WP_005.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-608

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount UG/L |
|---|---|---|---|---|---|---|
| 7 | 8.669 | 42-A | 995633.50 | 197354.92 | 0.7452 | 0.7452 |
| 10 | 9.653 | 42-B | 1840711.63 | 326972.75 | 0.7445 | 0.7445 |
| 14 | 10.479 | 42-C | 3375138.50 | 527473.69 | 0.7417 | 0.7417 |
| 17 | 11.187 | 42-D | 1794748.50 | 310592.53 | 0.7432 | 0.7432 |
| 22 | 11.999 | 42-E | 1625052.00 | 226876.53 | 0.7421 | 0.7421 |
| | | | 9631284.00 | 1.58e6 | 3.7166 | |

AU(n=5) 0.743

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\1WP_005.TX0

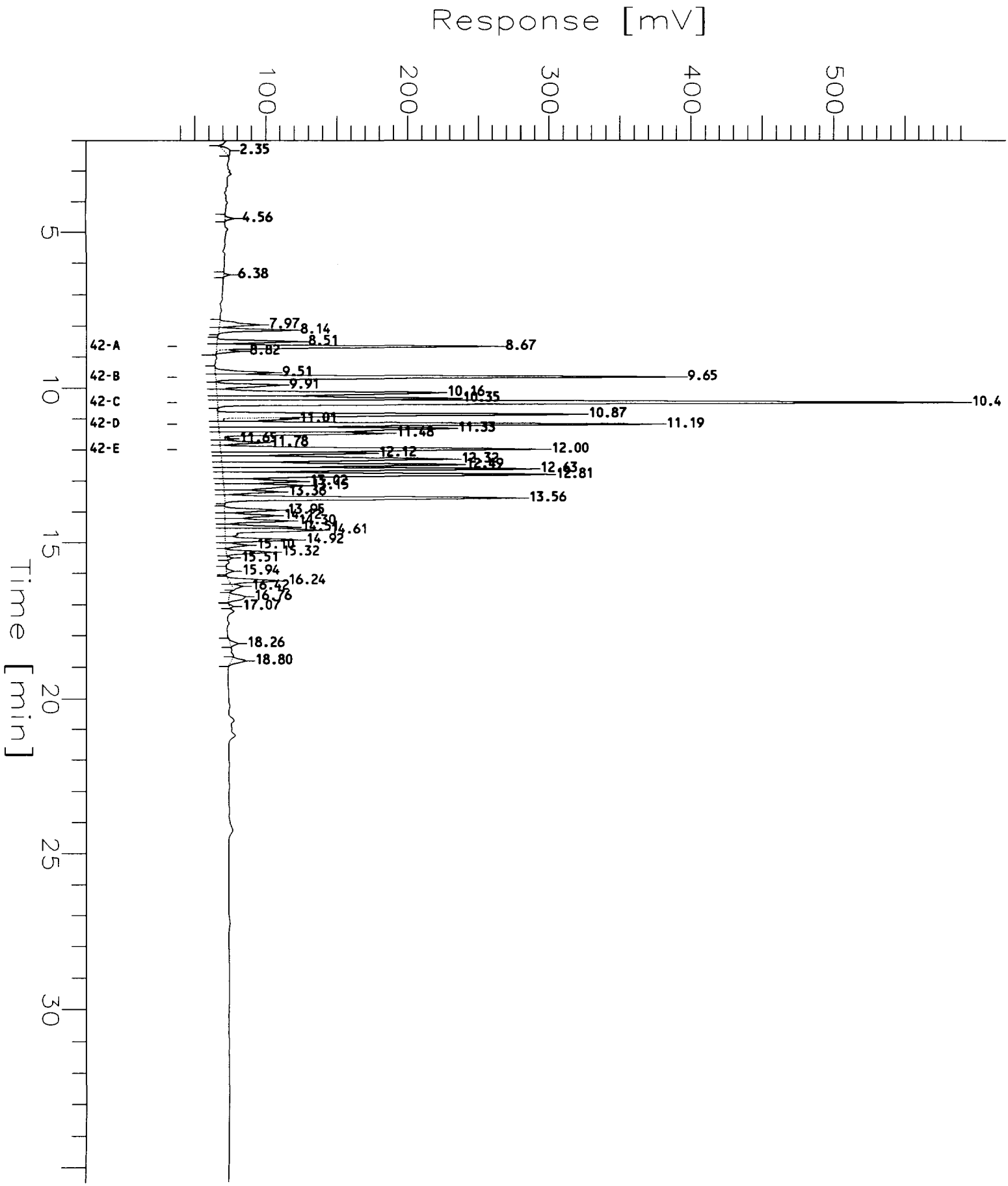
KM
10-04-94

# Chromatogram

Sample Name : STD 1242 LEVEL 4
FileName : C:\2700\DATA2\1WP_005.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 37 mV

Sample #:
Date : 10/4/94 10:53 AM
Low Point : 37.41 mV High Point : 590.46 mV
Plot Scale: 553 mV





Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 5 Time : 10/4/94 10:54 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 06:23 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1WP_006.raw
Result File : C:\2700\DATA2\1WP_006.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-608

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount UG/L |
|---|---|---|---|---|---|---|
| 7 | 8.668 | 42-A | 1280656.13 | 252202.41 | 0.9885 | 0.9885 |
| 10 | 9.653 | 42-B | 2365039.50 | 417177.34 | 0.9879 | 0.9879 |
| 14 | 10.478 | 42-C | 4404715.50 | 684750.94 | 0.9937 | 0.9937 |
| 17 | 11.186 | 42-D | 2332474.25 | 404057.13 | 0.9968 | 0.9968 |
| 22 | 11.998 | 42-E | 2123477.00 | 296132.16 | 0.9926 | 0.9926 |
| | | | 12506362.00 | 2.05e6 | 4.9596 | |

AU(n:5)= 0.992

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

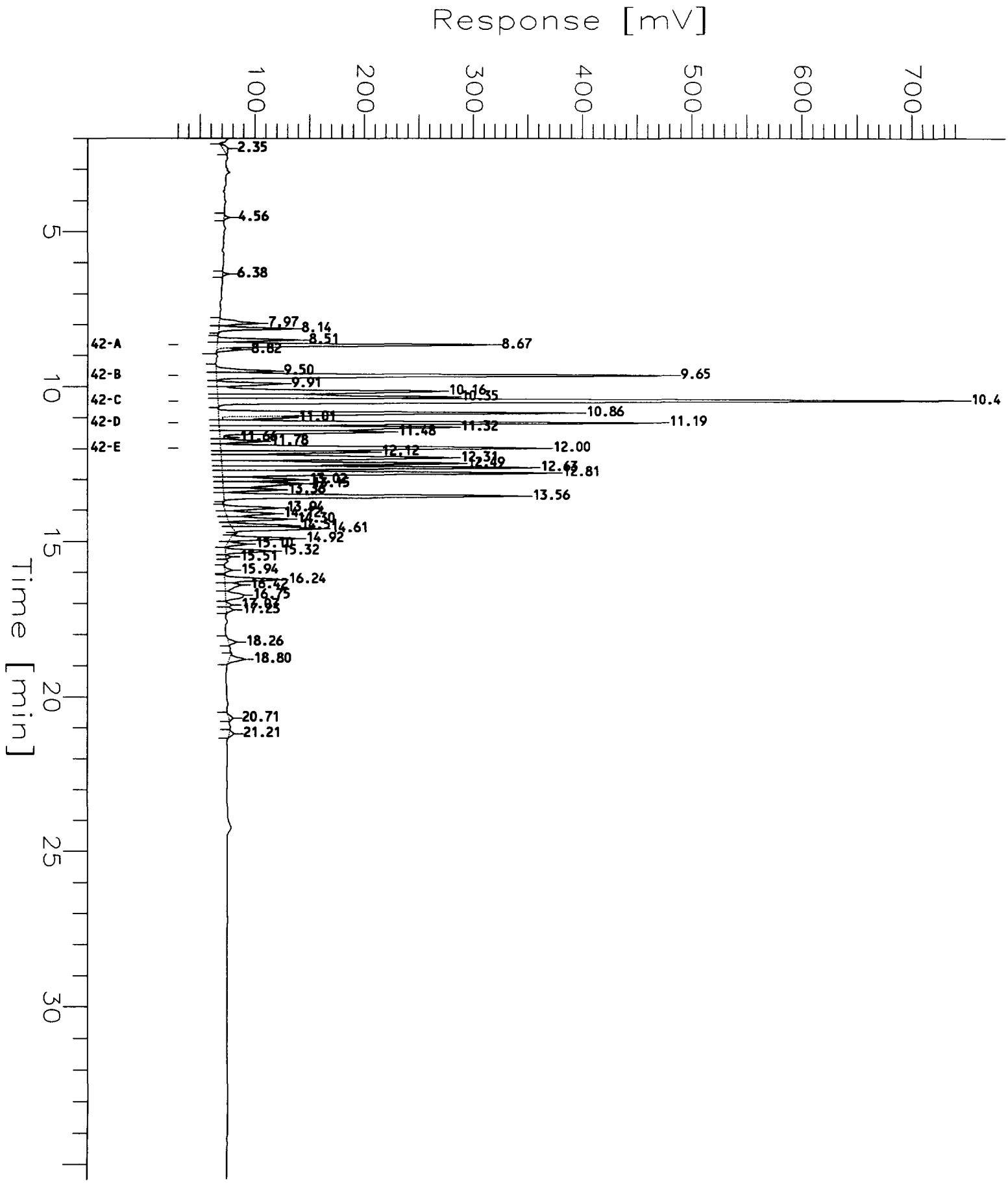
All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\1WP_006.TXO

KM
10-04-94

# Chromatogram

Sample Name : STD 1242 LEVEL 5
FileName : C:\2700\DATA2\1WP_006.raw
Start Time : 2.00 min
Scale Factor: 1
End Time : 35.50 min
Plot Offset: 30 mV
Sample #:
Date : 10/4/94 10:54 AM
Low Point : 29.87 mV
Plot Scale: 716 mV
Page 1 of 1
High Point : 746.18 mV



Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 1 Time : 10/4/94 11:07 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 04:13 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2WP_003.raw
Result File : C:\2700\DATA2\2WP_003.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-5

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount ug/l |
|---|---|---|---|---|---|---|
| 5 | 8.420 | 42-A | 162703.66 | 23886.73 | 0.0835 | 0.0835 |
| 7 | 8.814 | 42-B | 89881.28 | 19196.72 | 0.0862 | 0.0862 |
| 9 | 9.379 | 42-C | 255802.47 | 44349.56 | 0.0854 | 0.0854 |
| 10 | 9.596 | 42-D | 105225.50 | 22468.72 | 0.0728 | 0.0728 |
| 11 | 9.747 | 42-E | 54356.00 | 13150.38 | 0.0741 | 0.0741 |
| | | | 667968.88 | 123052.09 | 0.4020 | |

AU (n=5) = 0.080

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\2WP_003.TXO

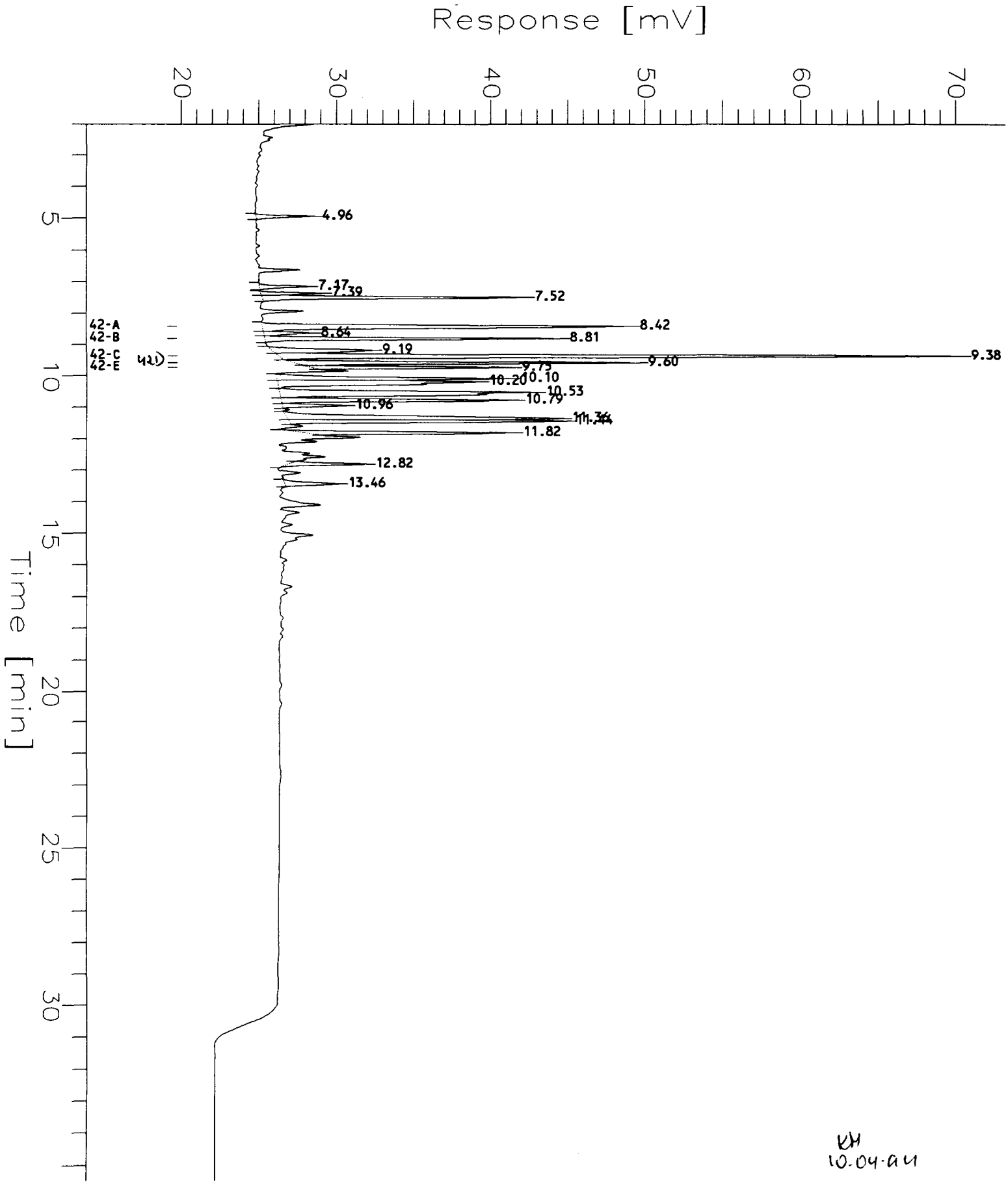
KM
10-04-94

# Chromatogram

Sample Name : STD 1242 LEVEL 1
FileName : C:\2700\DATA2\2WP_003.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 20 mV

Sample #:
Date : 10/4/94 11:07 AM
Low Point : 19.73 mV High Point : 70.40 mV
Plot Scale: 51 mV






KH
10-04-94

Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 2 Time : 10/4/94 11:08 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 04:56 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2WP_004.raw
Result File : C:\2700\DATA2\2WP_004.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-5

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount ug/l |
|---|---|---|---|---|---|---|
| 7 | 8.419 | 42-A | 289331.25 | 42240.54 | 0.2073 | 0.2073 |
| 9 | 8.813 | 42-B | 165092.97 | 34942.90 | 0.2064 | 0.2064 |
| 11 | 9.378 | 42-C | 471011.94 | 80476.81 | 0.2087 | 0.2087 |
| 12 | 9.594 | 42-D | 216569.91 | 42593.31 | 0.2192 | 0.2192 |
| 13 | 9.746 | 42-E | 134898.69 | 28531.52 | 0.2162 | 0.2162 |
| | | | 1276904.75 | 228785.08 | 1.0577 | |

AO(n=5)=0.211

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\2WP_004.TXO

KM
10-04-94

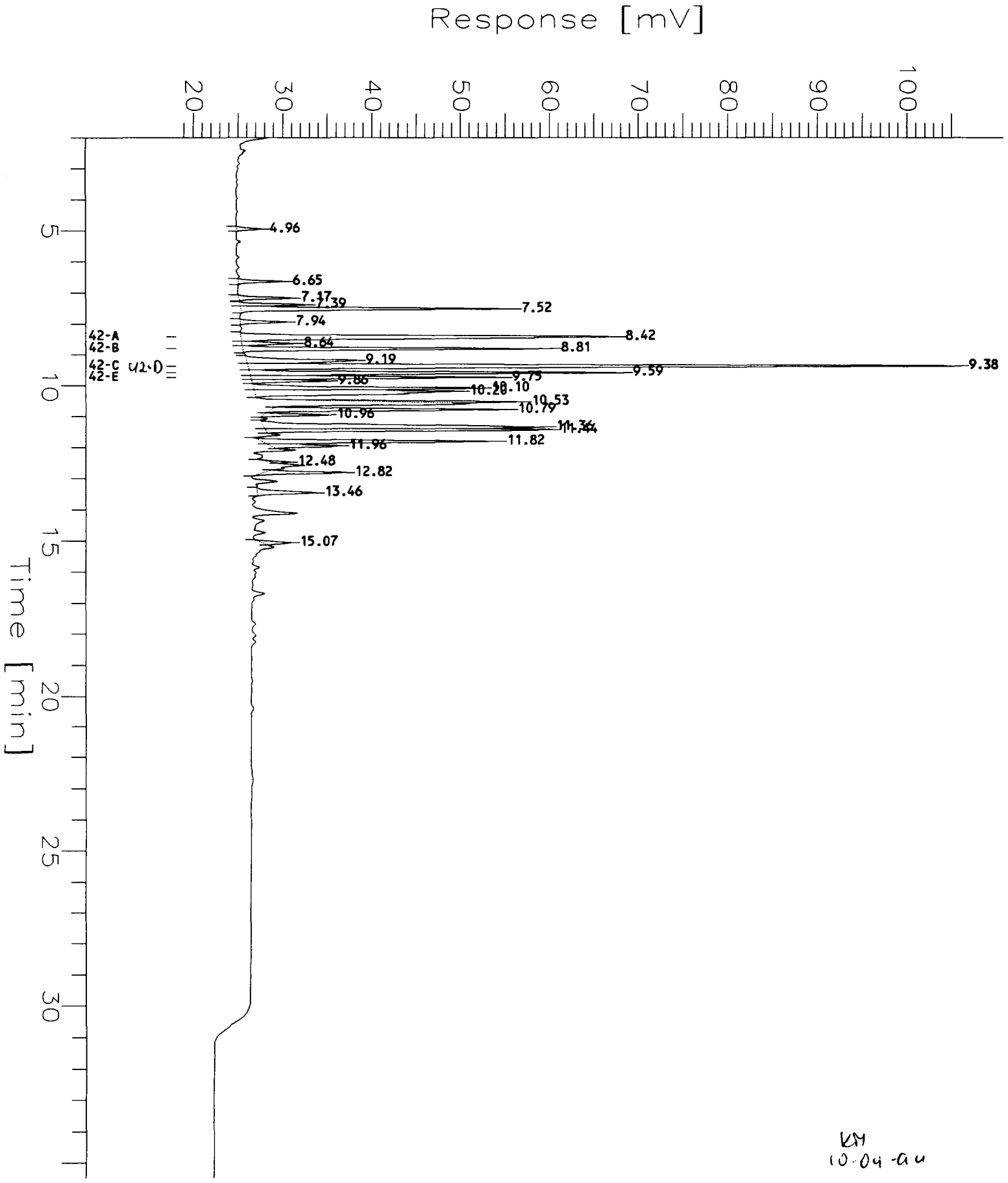
# Chromatogram

Sample Name : STD 1242 LEVEL 2
FileName : C:\2700\DATA2\2WP_004.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 18 mV

Sample #:
Date : 10/4/94 11:08 AM
Low Point : 18.09 mV
Plot Scale: 88 mV



High Point : 105.90 mV




KM
10-04-94

Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 3 Time : 10/4/94 11:08 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 05:39 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2WP_005.raw
Result File : C:\2700\DATA2\2WP_005.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-5

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount ug/l |
|---|---|---|---|---|---|---|
| 7 | 8.418 | 42-A | 611368.63 | 88736.82 | 0.5221 | 0.5221 |
| 9 | 8.812 | 42-B | 360686.09 | 75993.77 | 0.5188 | 0.5188 |
| 11 | 9.378 | 42-C | 1011197.63 | 172996.83 | 0.5183 | 0.5183 |
| 12 | 9.594 | 42-D | 447065.06 | 90865.27 | 0.5223 | 0.5223 |
| 13 | 9.745 | 42-E | 310200.88 | 62870.10 | 0.5254 | 0.5254 |
| | | | 2740518.50 | 491462.78 | 2.6068 | |

AU(n=5): 0.521

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\2WP_005.TXO

KM
10-04-94

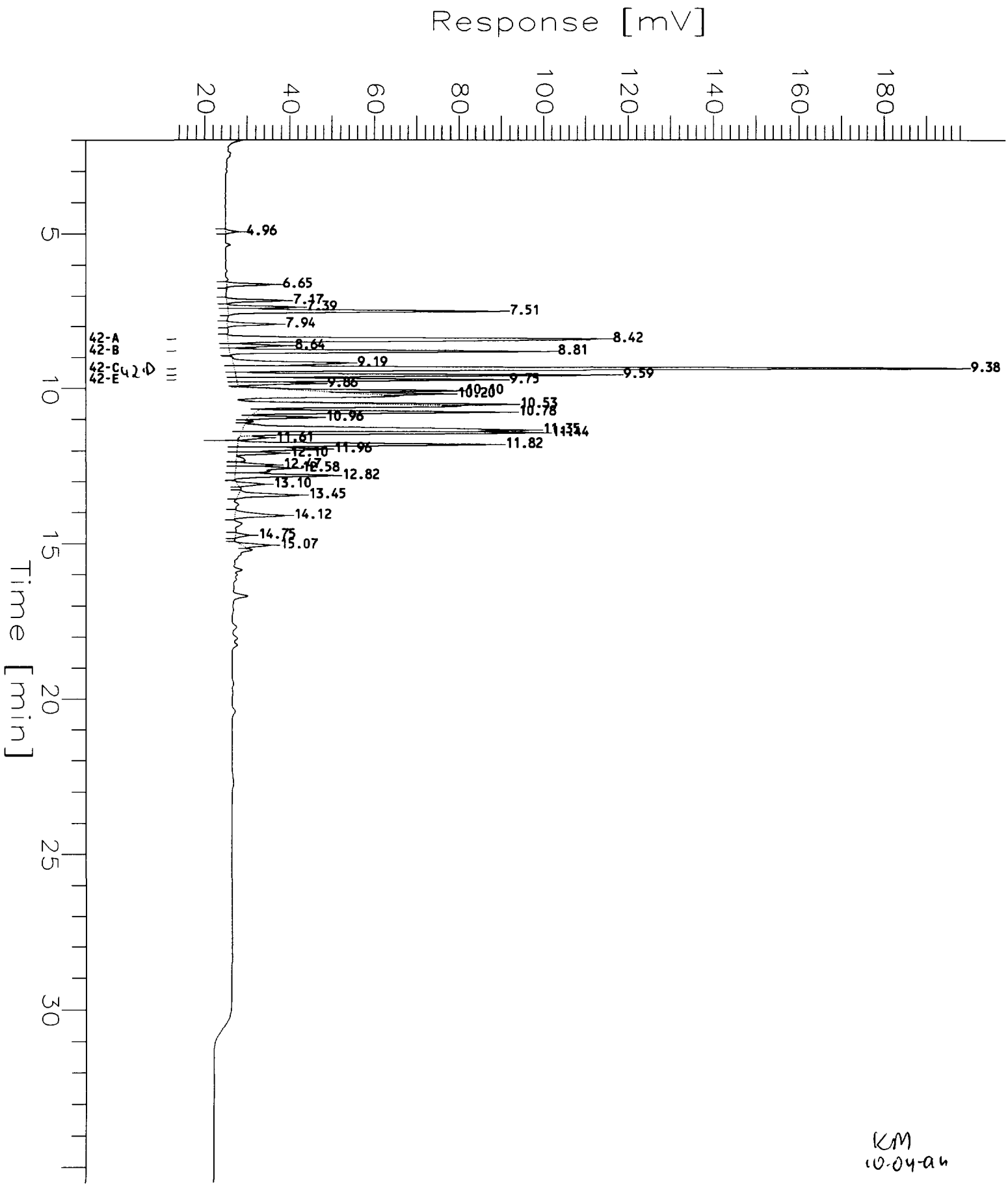
# Chromatogram

Sample Name : STD 1242 LEVEL 3
FileName : C:\2700\DATA2\2WP_005.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 13 mV

Sample #:
Date : 10/4/94 11:08 AM
Low Point : 13.41 mV
Plot Scale: 185 mV



High Point : 198.33 mV




KM
10-04-94

Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 4 Time : 10/4/94 11:08 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 06:23 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2WP_006.raw
Result File : C:\2700\DATA2\2WP_006.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-5

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount ug/l |
|---|---|---|---|---|---|---|
| 7 | 8.419 | 42-A | 836430.00 | 121055.13 | 0.7421 | 0.7421 |
| 9 | 8.812 | 42-B | 500212.19 | 105248.52 | 0.7416 | 0.7416 |
| 11 | 9.377 | 42-C | 1394603.00 | 238638.55 | 0.7380 | 0.7380 |
| 12 | 9.593 | 42-D | 614071.63 | 125567.32 | 0.7418 | 0.7418 |
| 13 | 9.745 | 42-E | 432289.69 | 87396.45 | 0.7408 | 0.7408 |
| | | | 3777606.75 | 677905.94 | 3.7043 | |

AO(n=5)=0.741

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\2WP_006.TX0

KM
10-04-94

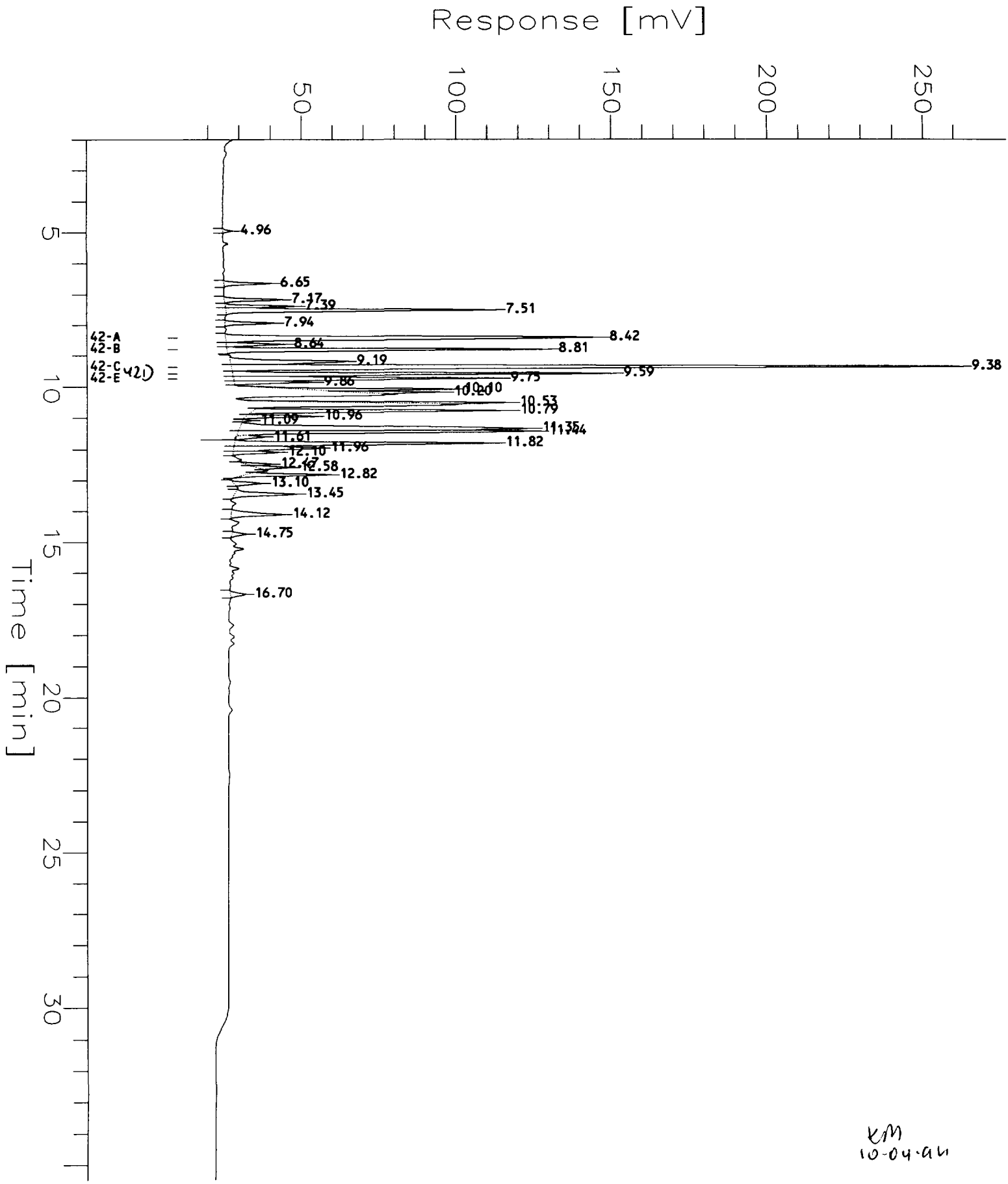
# Chromatogram

Sample Name : STD 1242 LEVEL 4
FileName : C:\2700\DATA2\2WP_006.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 10 mV

Sample #:
Date : 10/4/94 11:08 AM
Low Point : 10.13 mV
Plot Scale: 253 mV



High Point : 262.95 mV




KM
10-04-94

Software Version: 3.1 <2A23>
Sample Name : STD 1242 LEVEL 5 Time : 10/4/94 11:08 AM
Sample Number: Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 9/30/94 07:06 PM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2WP_007.raw
Result File : C:\2700\DATA2\2WP_007.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-5

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount ug/l |
|---|---|---|---|---|---|---|
| 6 | 8.418 | 42-A | 1095182.38 | 158726.25 | 0.9951 | 0.9951 |
| 8 | 8.811 | 42-B | 660078.00 | 138428.61 | 0.9970 | 0.9970 |
| 10 | 9.377 | 42-C | 1851234.00 | 318342.38 | 0.9996 | 0.9996 |
| 11 | 9.592 | 42-D | 805808.00 | 166162.66 | 0.9939 | 0.9939 |
| 12 | 9.745 | 42-E | 575583.75 | 117218.30 | 0.9936 | 0.9936 |
| | | | 4987886.00 | 898878.19 | 4.9791 | |

AU(n=5)=0.996

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\2WP_007.TXO

KM
10-04-94

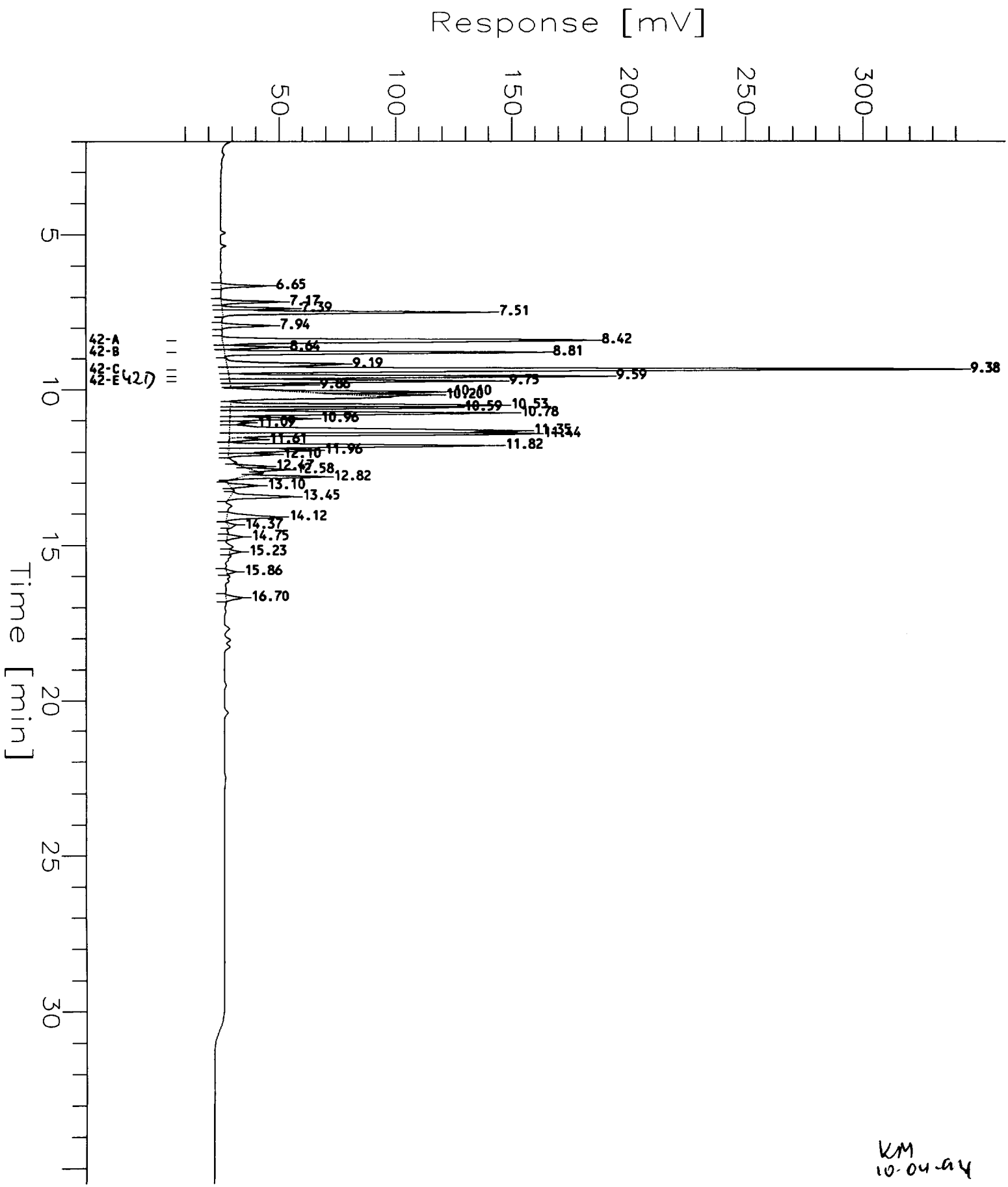
# Chromatogram

Sample Name : STD 1242 LEVEL 5
FileName : C:\2700\DATA2\2WP_007.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 6 mV

Sample #:
Date : 10/4/94 11:08 AM
Low Point : 6.16 mV
Plot Scale: 336 mV



High Point : 342.25 mV




KM
10-04-94

# 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~~** — LCS & LCS DUP
- **(i) Primary**
- **(ii) Secondary**

KM 9-29-94

Software Version: 3.1 <2A23>
Sample Name : HEXANE #1 Time : 9/27/94 02:02 PM
Sample Number: 1 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 03:25 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_001.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_001A.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 18.72 | MIREX | 0.0000 | 1196494 | 93185 | MIREX | ------- |
| | | | 0.0000 | 1196494 | 93185 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| LINDANE | 8.737 |
| HEPTACHLOR | 9.472 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

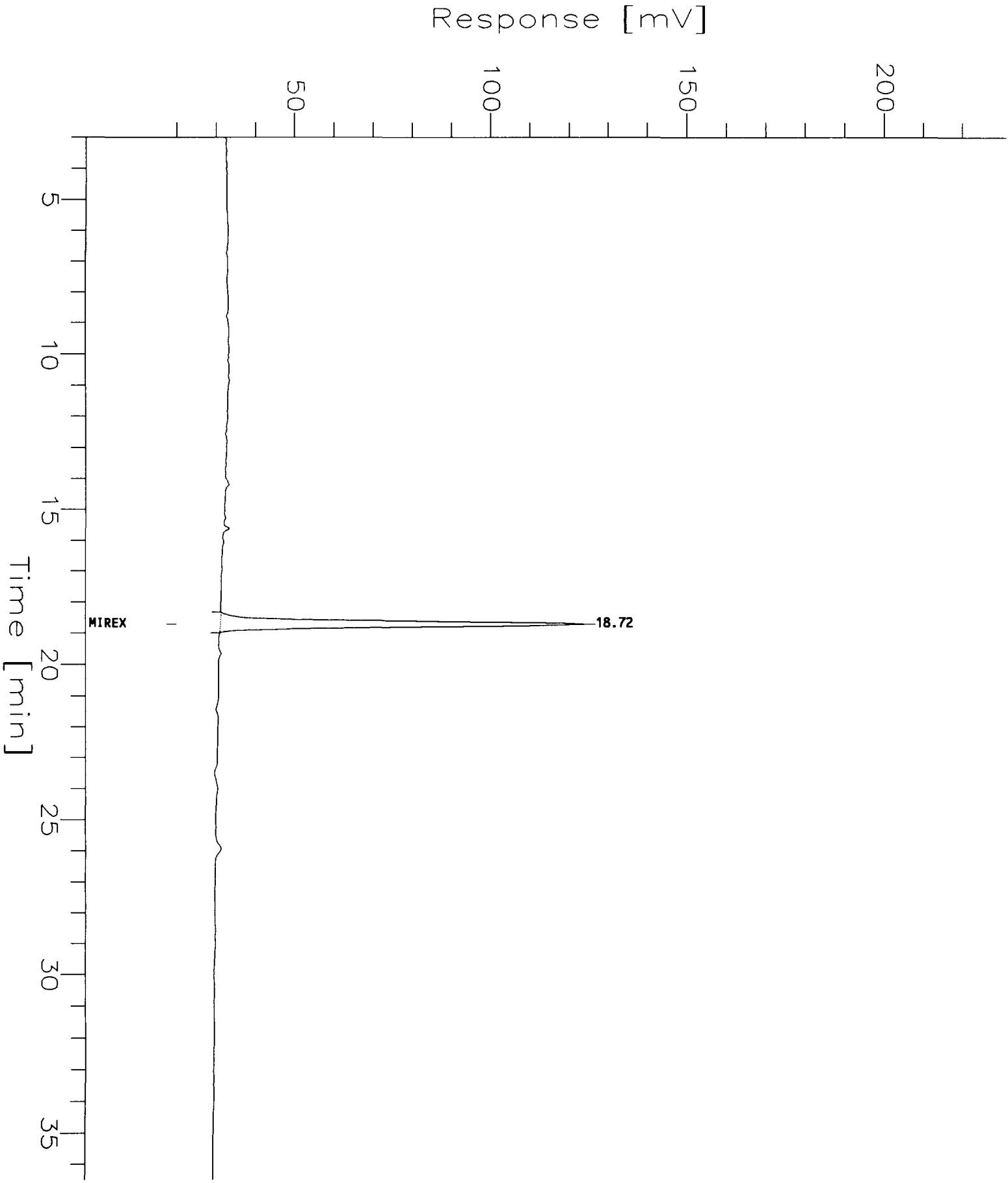
# Chromatogram

Sample Name : HEXANE #1
FileName : C:\2700\DATA2\1AL_001.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 1
Date : 9/27/94 02:02 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #1 Time : 9/28/94 04:32 PM
Sample Number: 1 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 03:25 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_001.raw
Result File : C:\2700\DATA2\1AL_001B.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

No Peaks Available To Report

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| TCMX | 6.177 |
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| ALDRIN | 10.219 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| ENDO II | 14.603 |
| ENDRIN ALD | 15.544 |
| END SULFATE | 15.912 |
| DCLB | 25.830 |

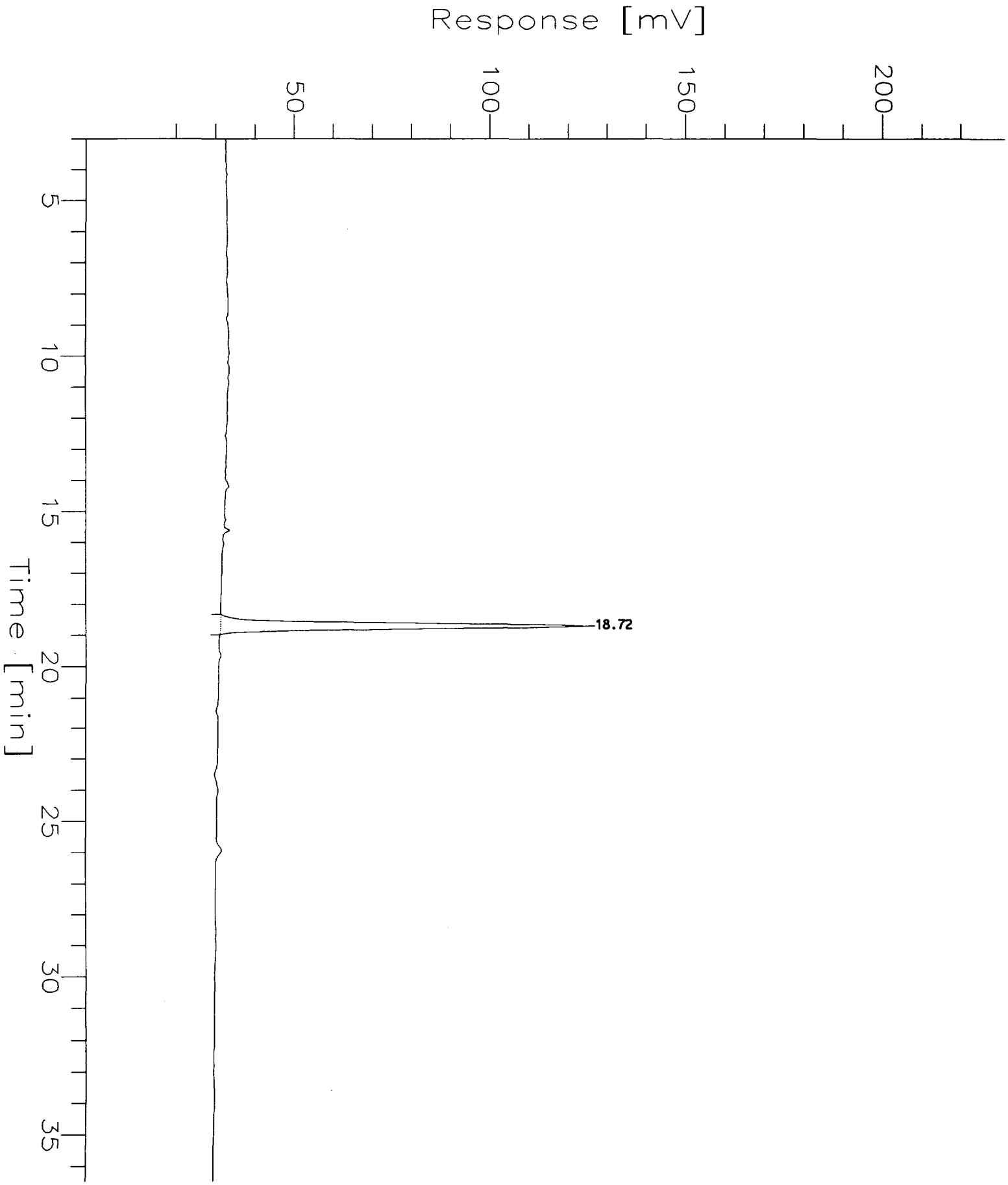
# Chromatogram

Sample Name : HEXANE #1
FileName : C:\2700\DATA2\1AL_001.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 1
Date : 9/28/94 04:32 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #1 Time : 9/27/94 03:26 PM
Sample Number: 2 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 04:08 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_002.raw
Result File : C:\2700\DATA2\2AL_002.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 20.22 | MIREX | 0.0000 | 930227 | 73380 | MIREX | ------- |
| | | | 0.0000 | 930227 | 73380 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

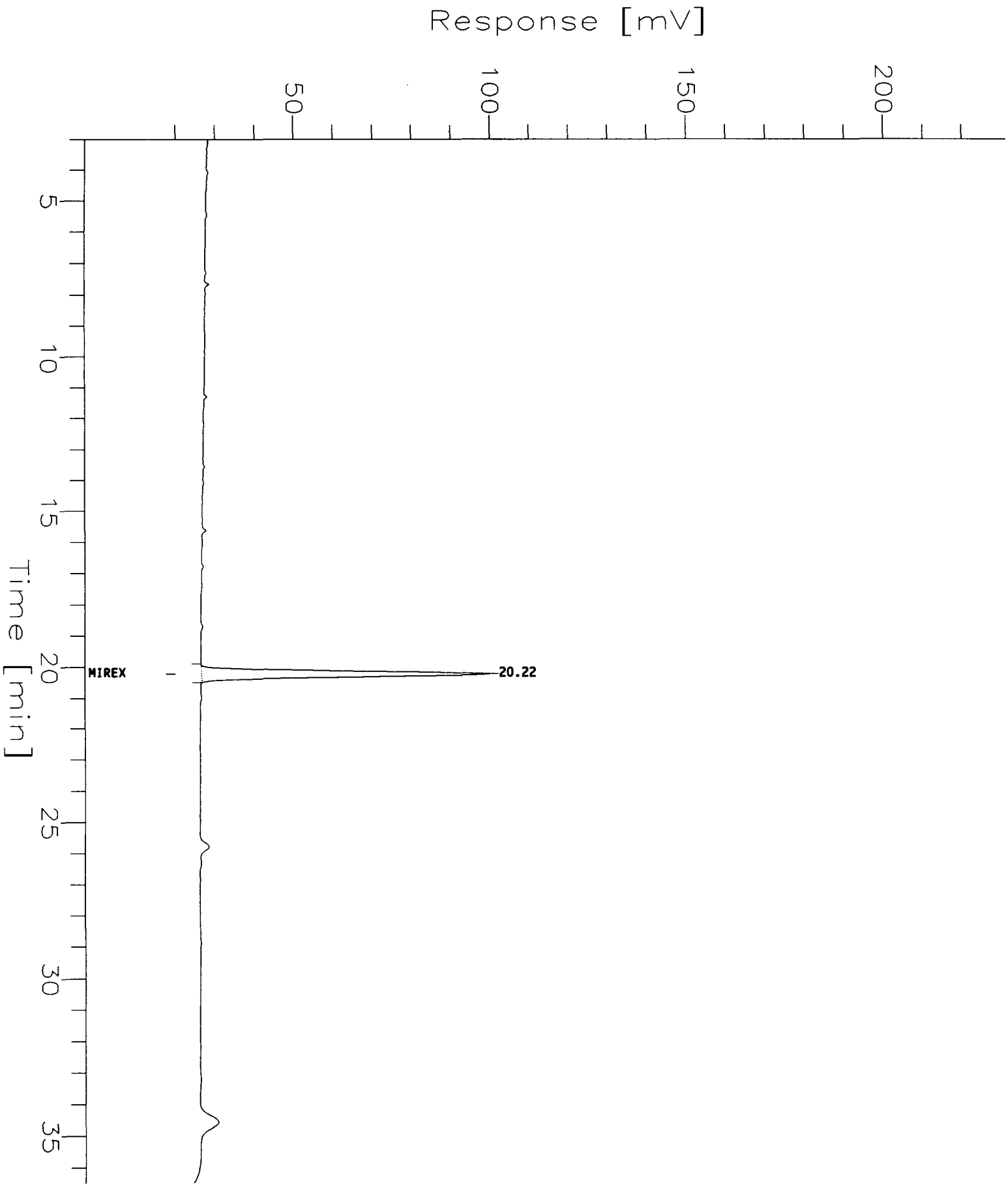
# Chromatogram

Sample Name : HEXANE #1
FileName : C:\2700\DATA2\2AL_002.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 2
Date : 9/27/94 03:26 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #1 Time : 9/27/94 03:13 PM
Sample Number: 2 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/26/94 04:08 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_002.raw
Result File : C:\2700\DATA2\2AL_002.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 20.22 | MIREX | 0.0000 | 930227 | 73380 | MIREX | ------- |
| | | | 0.0000 | 930227 | 73380 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| TCMX | 7.525 |
| b-BHC | 8.887 |
| d-BHC | 9.524 |
| ALDRIN | 11.511 |
| HEPT.EPOXIDE | 12.404 |
| a-CHLORDANE | 12.983 |
| g-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| ENDRIN ALD | 15.320 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |
| DCLB | 28.830 |

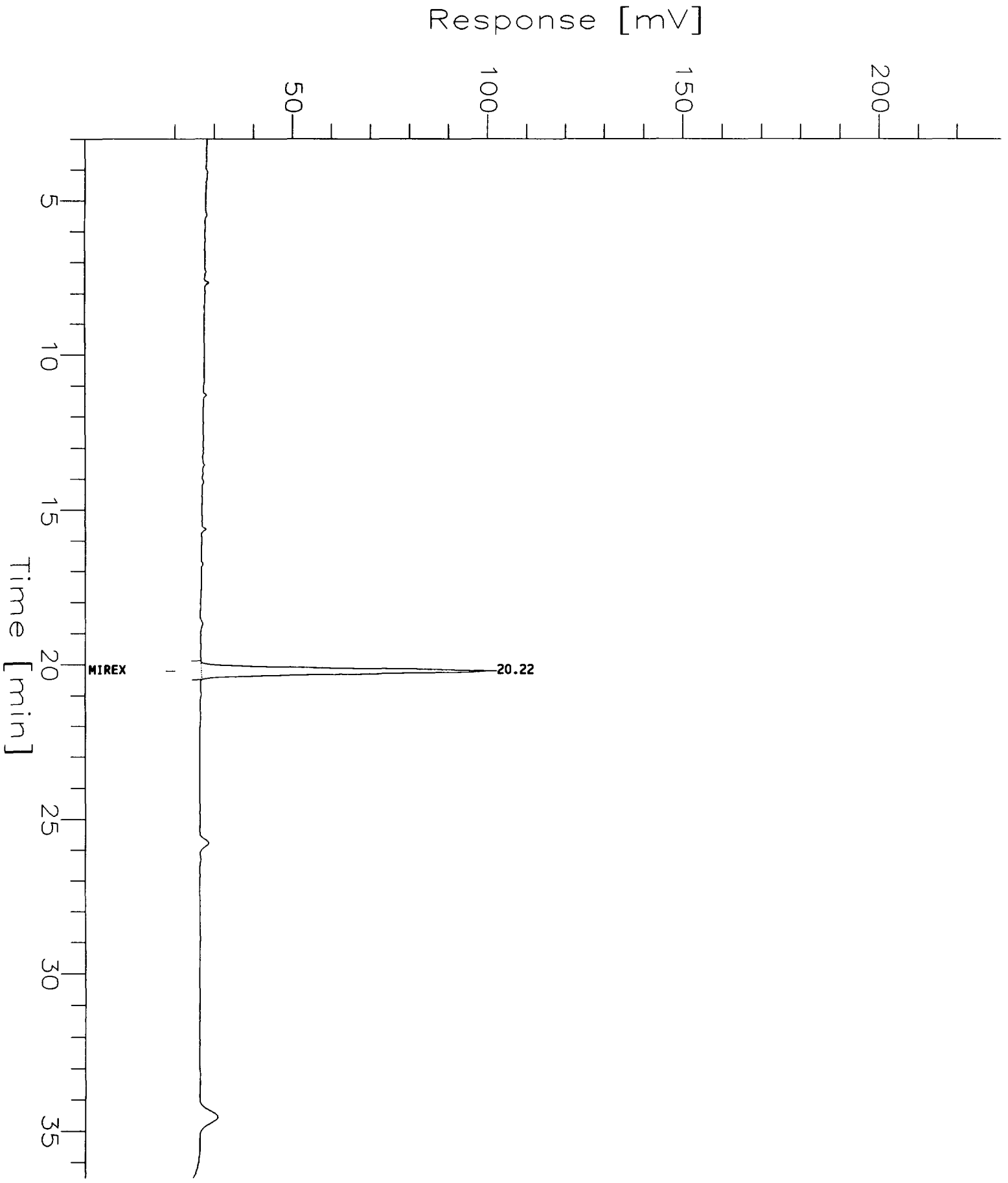
# Chromatogram

Sample Name : HEXANE #1
FileName : C:\2700\DATA2\2AL_002.raw
Start Time : 3.00 min
End Time : 36.50 min
Scale Factor: 0
Plot Offset: 20 mV

Sample #: 2
Date : 9/27/94 03:13 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #2 Time : 9/28/94 04:32 PM
Sample Number: 21 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:45 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_021.raw
Result File : C:\2700\DATA2\1AL_021.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

PRIMARY COLUMN

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 18.71 | MIREX | 0.0000 | 1208014 | 98306 | MIREX | ------- |
| | | | 0.0000 | 1208014 | 98306 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| LINDANE | 8.737 |
| HEPTACHLOR | 9.472 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

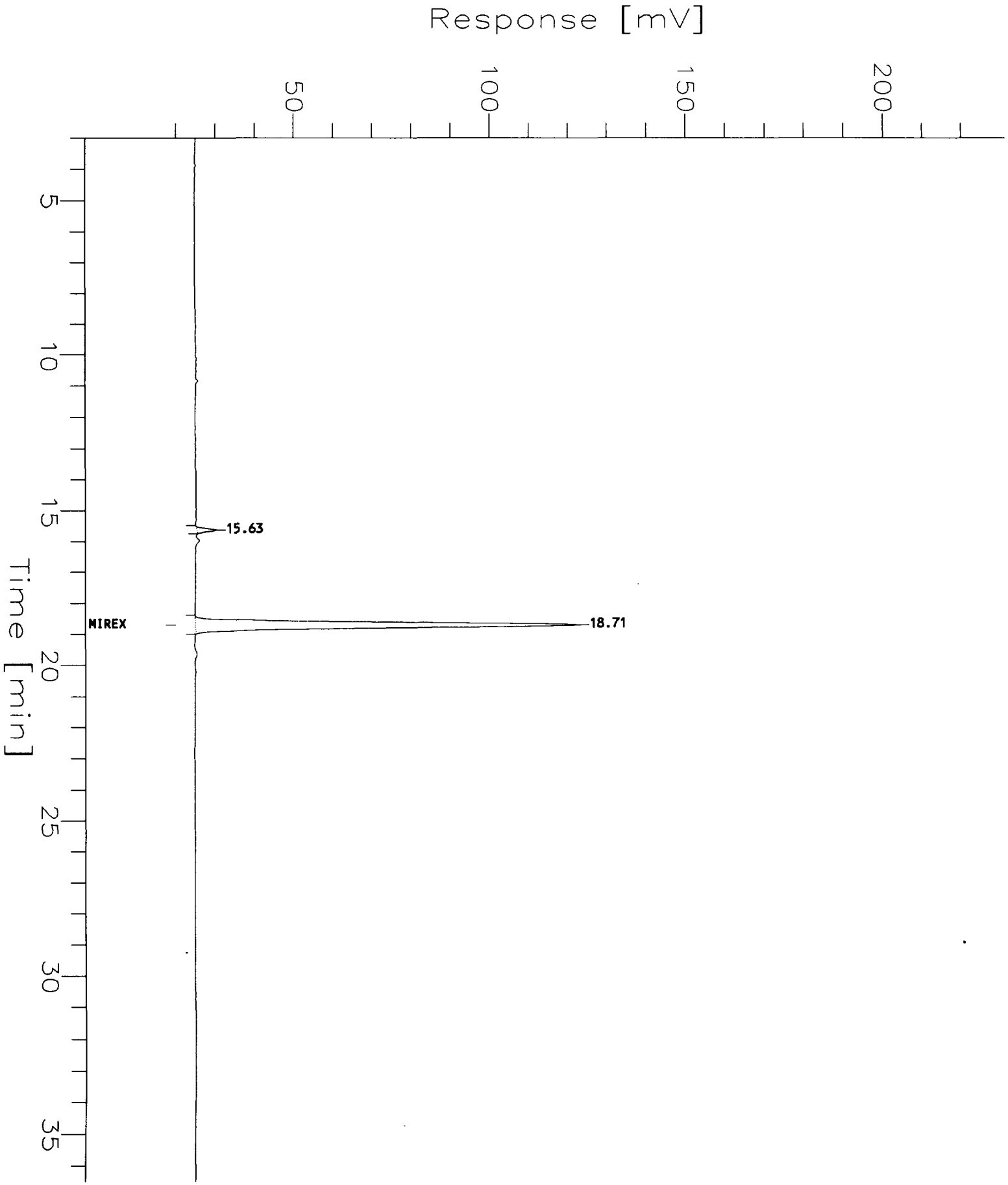
# Chromatogram

Sample Name : HEXANE #2
FileName : C:\2700\DATA2\1AL_021.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 21
Date : 9/28/94 04:33 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #2 Time : 9/27/94 01:45 PM
Sample Number: 21 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:45 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_021.raw
Result File : C:\2700\DATA2\1AL_021.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~1~~ | ~~15.63~~ | ~~ENDRIN ALD~~ | ~~0.0004~~ | ~~34369~~ | ~~4904~~ | ~~ENDRIN A~~ | ~~8.6873e7~~ |
| | | | 0.0004 | 34369 | 4904 | | 8.6873e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| TCMX | 6.177 |
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| ALDRIN | 10.219 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| ENDO II | 14.603 |
| END SULFATE | 15.912 |
| DCLB | 25.830 |

KM
9-27-94

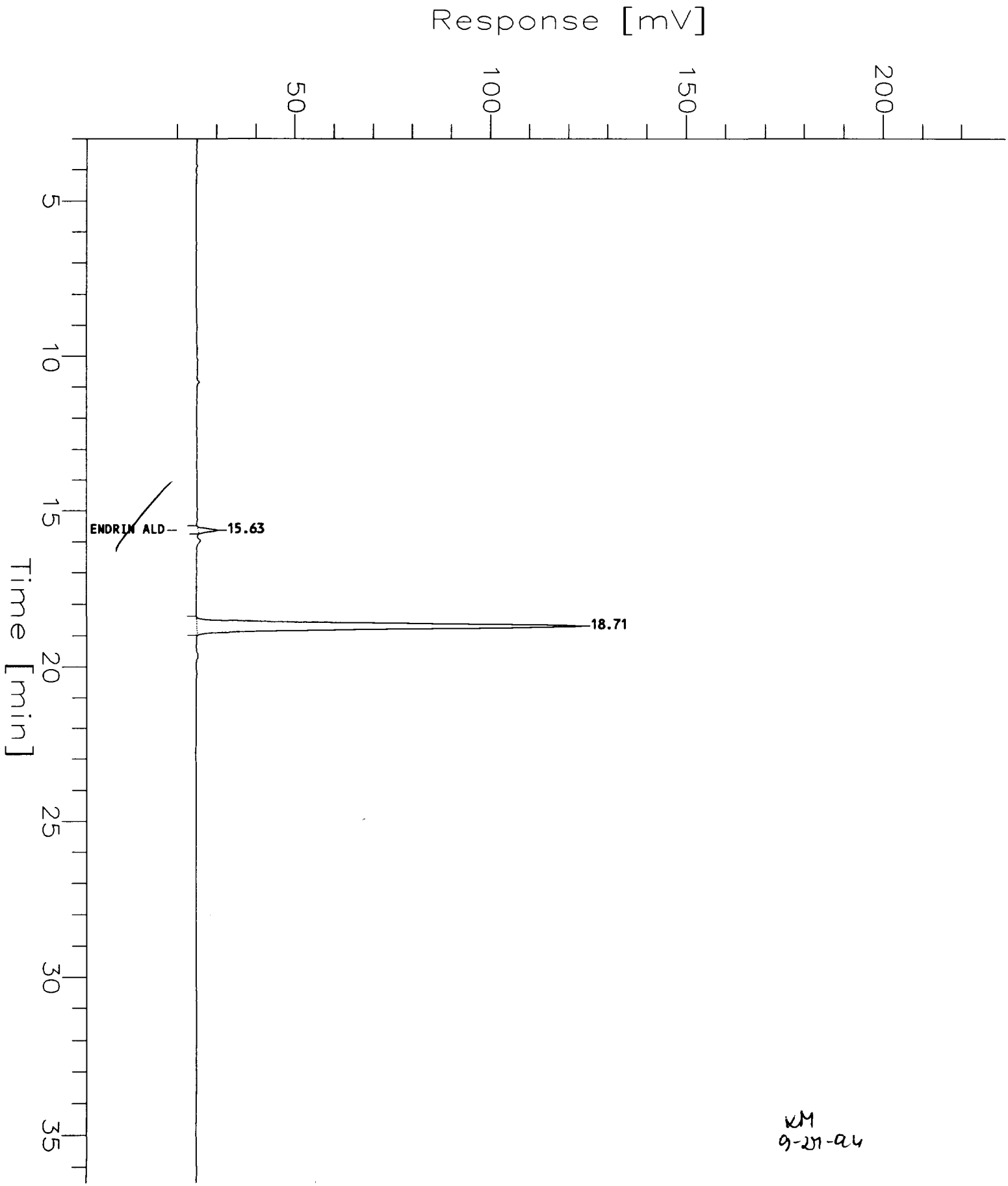
# Chromatogram

Sample Name : HEXANE #2
FileName : C:\2700\DATA2\1AL_021.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 21
Date : 9/27/94 01:45 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-27-94

Software Version: 3.1 <2A23>
Sample Name : HEXANE #2 Time : 9/29/94 08:25 AM
Sample Number: 22 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 06:29 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_022.raw
Result File : C:\2700\DATA2\2AL_022.rst SECONDARY COLUMN
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 20.23 | MIREX | 0.0000 | 990495 | 77417 | MIREX | ------- |
| | | | 0.0000 | 990495 | 77417 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

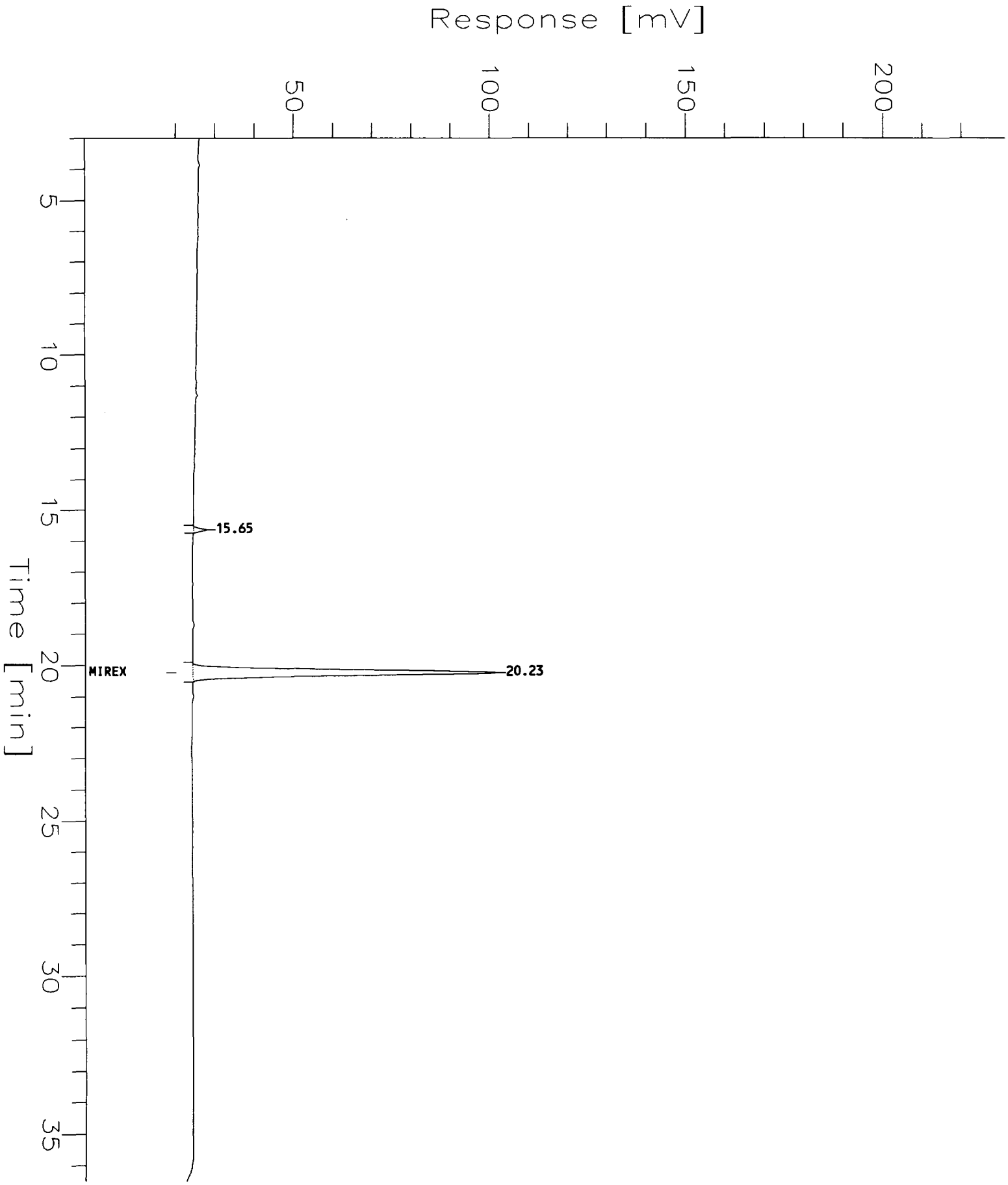
# Chromatogram

Sample Name : HEXANE #2
FileName : C:\2700\DATA2\2AL_022.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 22
Date : 9/29/94 08:25 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #2 Time : 9/29/94 08:19 AM
Sample Number: 22 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 06:29 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_022.raw
Result File : C:\2700\DATA2\2AL_022.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~1~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~0.0007~~ | ~~20382~~ | ~~3092~~ | ~~MIREX~~ | ~~3.0319e7~~ |
| 2 | 20.23 | MIREX | 0.0000 | 990495 | 77417 | MIREX | ------- |
| | | | 0.0007 | 1010876 | 80509 | | 3.0319e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| TCMX | 7.525 |
| b-BHC | 8.887 |
| d-BHC | 9.524 |
| ALDRIN | 11.511 |
| HEPT.EPOXIDE | 12.404 |
| g-CHLORDANE | 12.983 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |
| DCLB | 28.830 |

KM
09-29-94

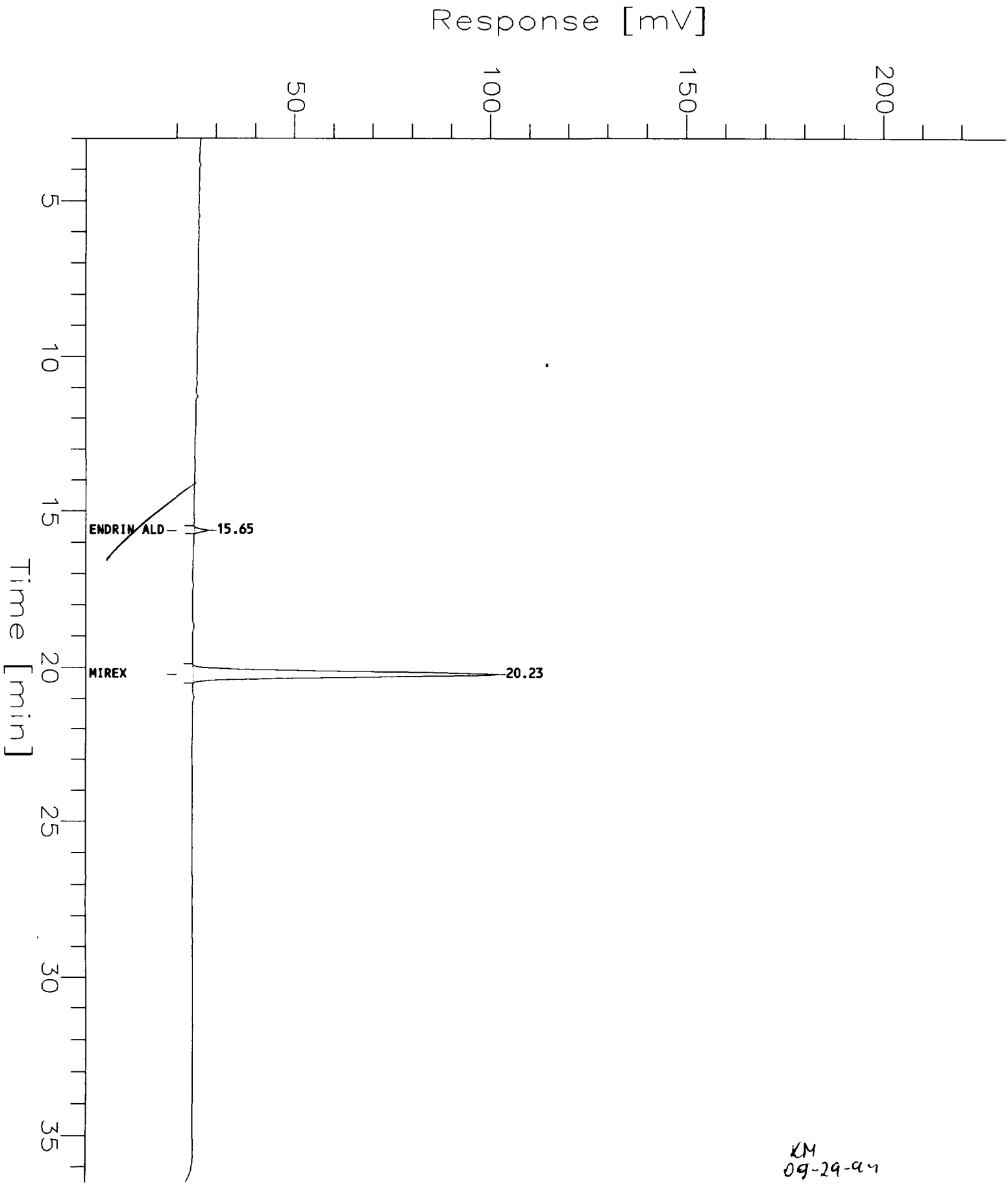
# Chromatogram

Sample Name : HEXANE #2
FileName : C:\2700\DATA2\2AL_022.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 22
Date : 9/29/94 08:19 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
09-29-94

Software Version: 3.1 <2A23>
Sample Name : HEXANE #3 Time : 9/29/94 08:30 AM
Sample Number: 32 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 01:39 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_032.raw
Result File : C:\2700\DATA2\1AL_032.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

PRIMARY COLUMN

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 18.71 | MIREX | 0.0000 | 1205625 | 100248 | MIREX | ------- |
| | | | 0.0000 | 1205625 | 100248 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| LINDANE | 8.737 |
| HEPTACHLOR | 9.472 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

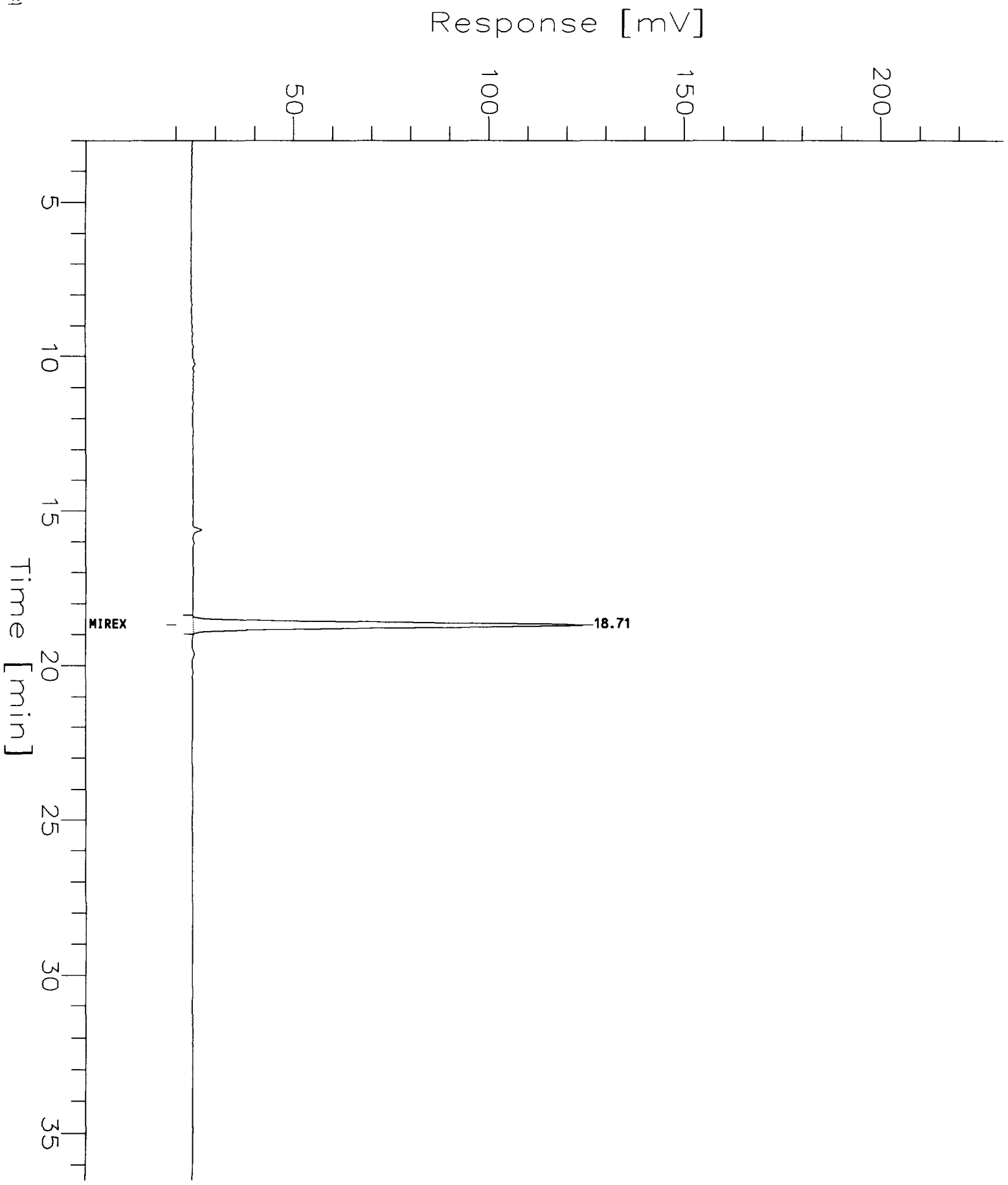
# Chromatogram

Sample Name : HEXANE #3
FileName : C:\2700\DATA2\1AL_032.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 32
Date : 9/29/94 08:30 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #3 Time : 9/29/94 08:55 AM
Sample Number: 32 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 01:39 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_032.raw
Result File : C:\2700\DATA2\1AL_032.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

No Peaks Available To Report

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| TCMX | 6.177 |
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| ALDRIN | 10.219 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| ENDO II | 14.603 |
| ENDRIN ALD | 15.544 |
| END SULFATE | 15.912 |
| DCLB | 25.830 |

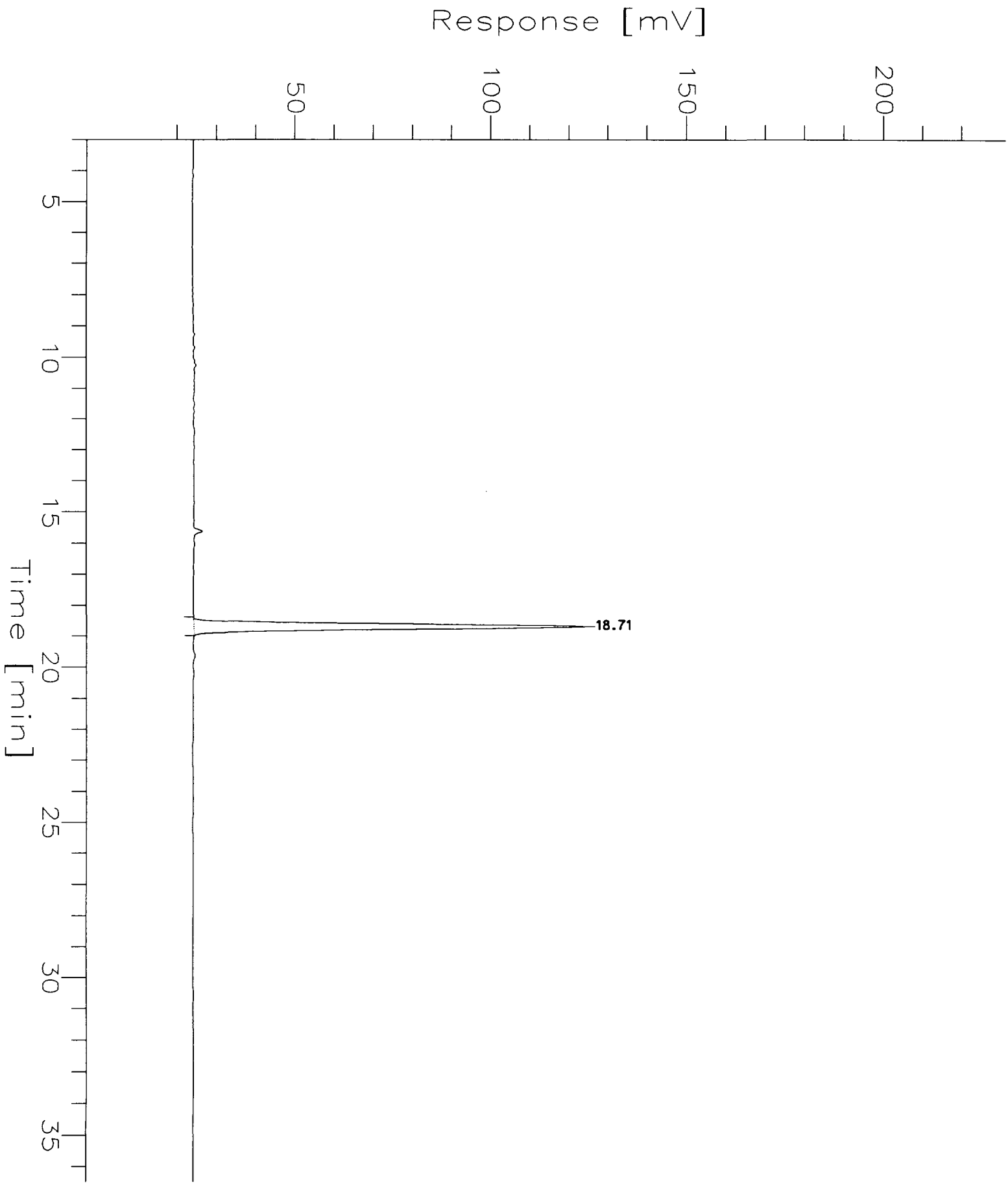
# Chromatogram

Sample Name : HEXANE #3
FileName : C:\2700\DATA2\1AL_032.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 32
Date : 9/29/94 08:55 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #3 Time : 9/29/94 08:31 AM
Sample Number: 33 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 02:21 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_033.raw
Result File : C:\2700\DATA2\2AL_033.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 20.22 | MIREX | 0.0000 | 976703 | 75790 | MIREX | ------- |
| | | | 0.0000 | 976703 | 75790 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

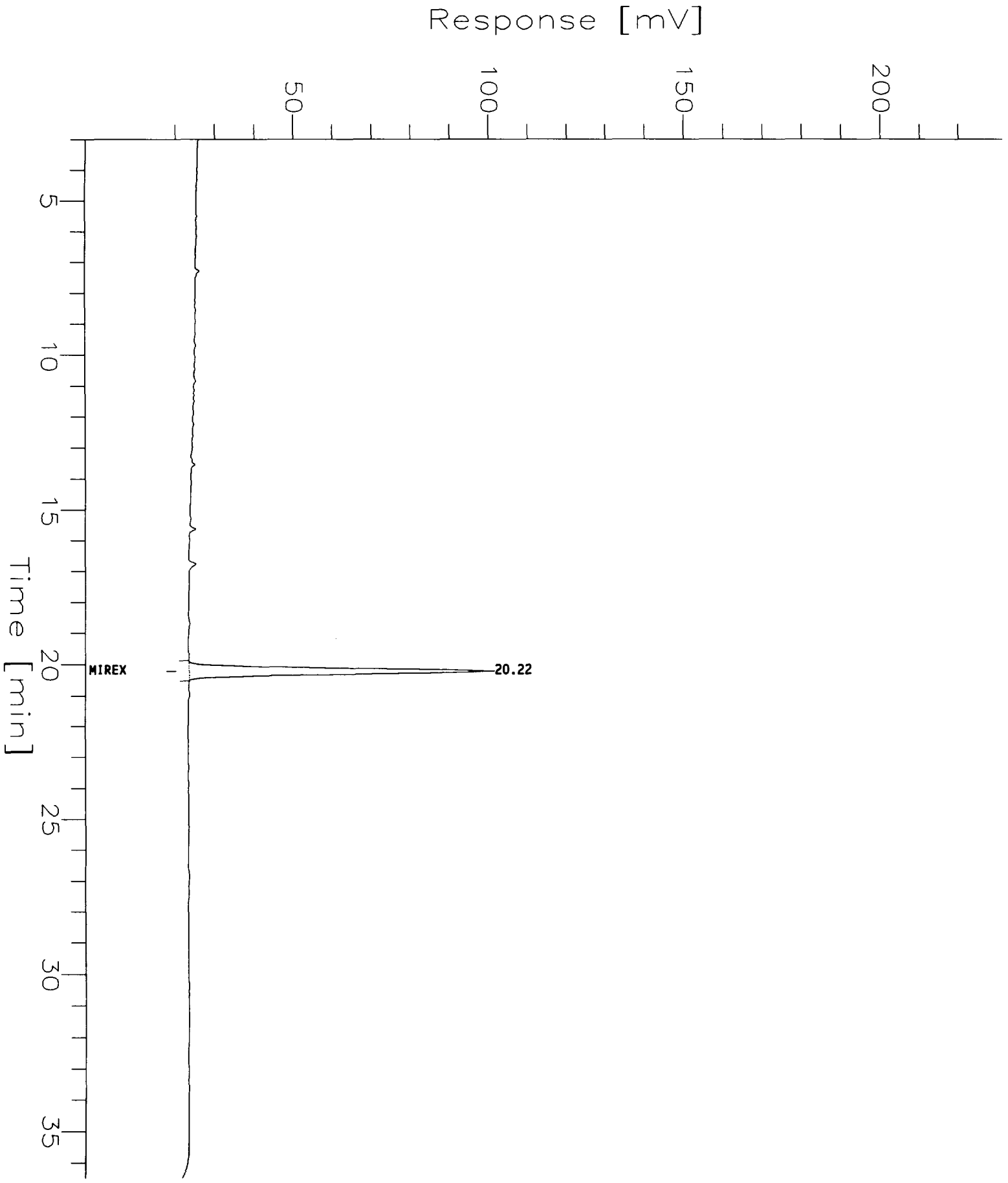
# Chromatogram

Sample Name : HEXANE #3
FileName : C:\2700\DATA2\2AL_033.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 33
Date : 9/29/94 08:31 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : HEXANE #3 Time : 9/29/94 09:23 AM
Sample Number: 33 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 02:21 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_033.raw
Result File : C:\2700\DATA2\2AL_033.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 20.22 | MIREX | 0.0000 | 947945 | 75037 | MIREX | ------- |
| | | | 0.0000 | 947945 | 75037 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| TCMX | 7.525 |
| b-BHC | 8.887 |
| d-BHC | 9.524 |
| ALDRIN | 11.511 |
| HEPT.EPOXIDE | 12.404 |
| g-CHLORDANE | 12.983 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| ENDRIN ALD | 15.320 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |
| DCLB | 28.830 |

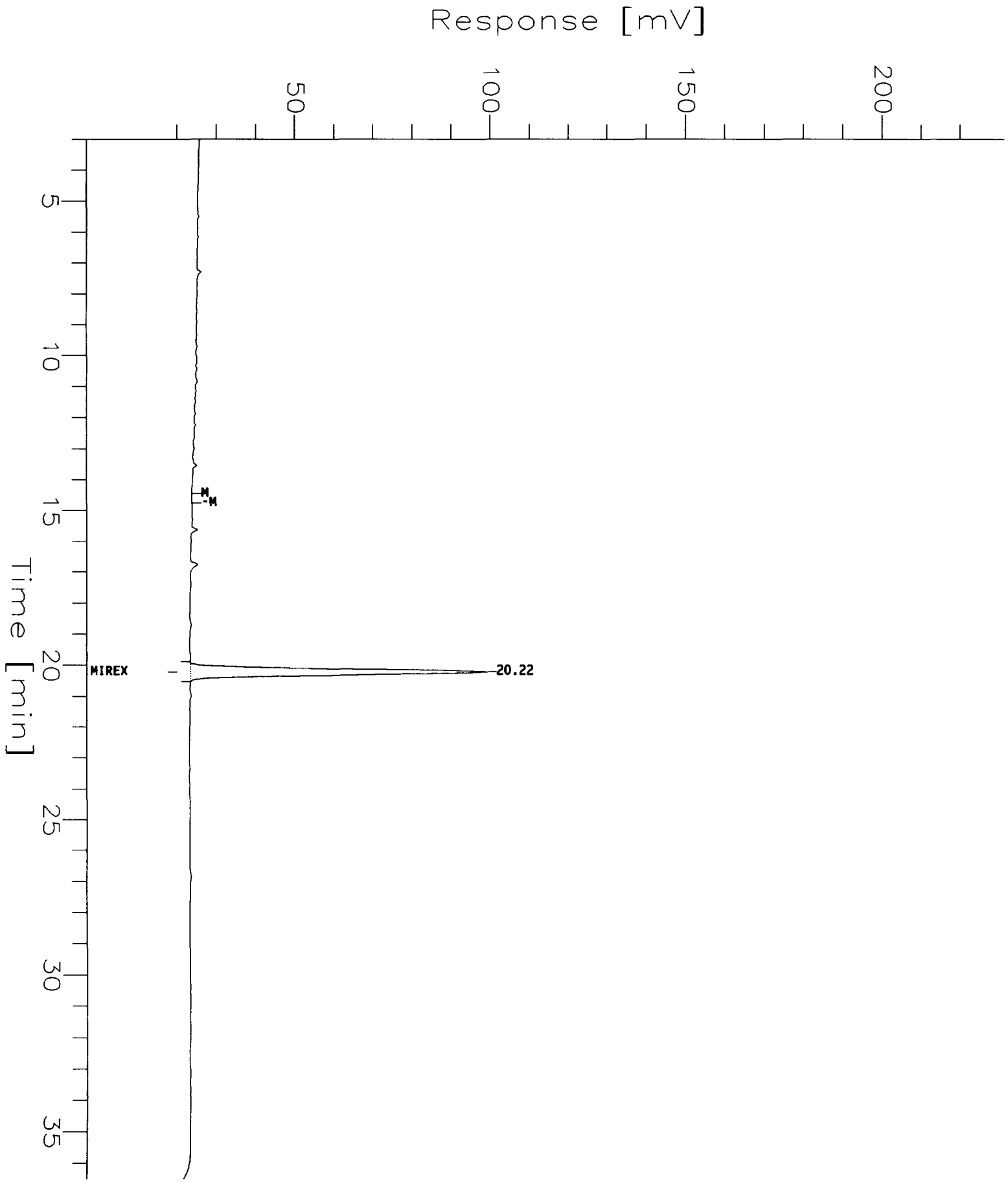
# Chromatogram

Sample Name : HEXANE #3
FileName : C:\2700\DATA2\2AL_033.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 33
Date : 9/29/94 09:24 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : MB 091594 Time : 9/29/94 04:11 PM
Sample Number: 33 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 02:21 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

PRIMARY COLUMN

Raw Data File : C:\2700\DATA2\1AL_033.raw
Result File : C:\2700\DATA2\1AL_033.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

## EXTERNAL STANDARD TABLE

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~9~~ | ~~9.51~~ | ~~HEPTACHLOR~~ | ~~-0.0068~~ | ~~7530~~ | ~~1580~~ | ~~MIREX~~ | ~~-5.5235e6~~ |
| 14 | 18.70 | MIREX | 0.0000 | 1141701 | 94522 | MIREX | ------- |
| | | | -0.0068 | 1149231 | 96102 | | -5.5235e6 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| LINDANE | 8.737 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

KM
9-30-94

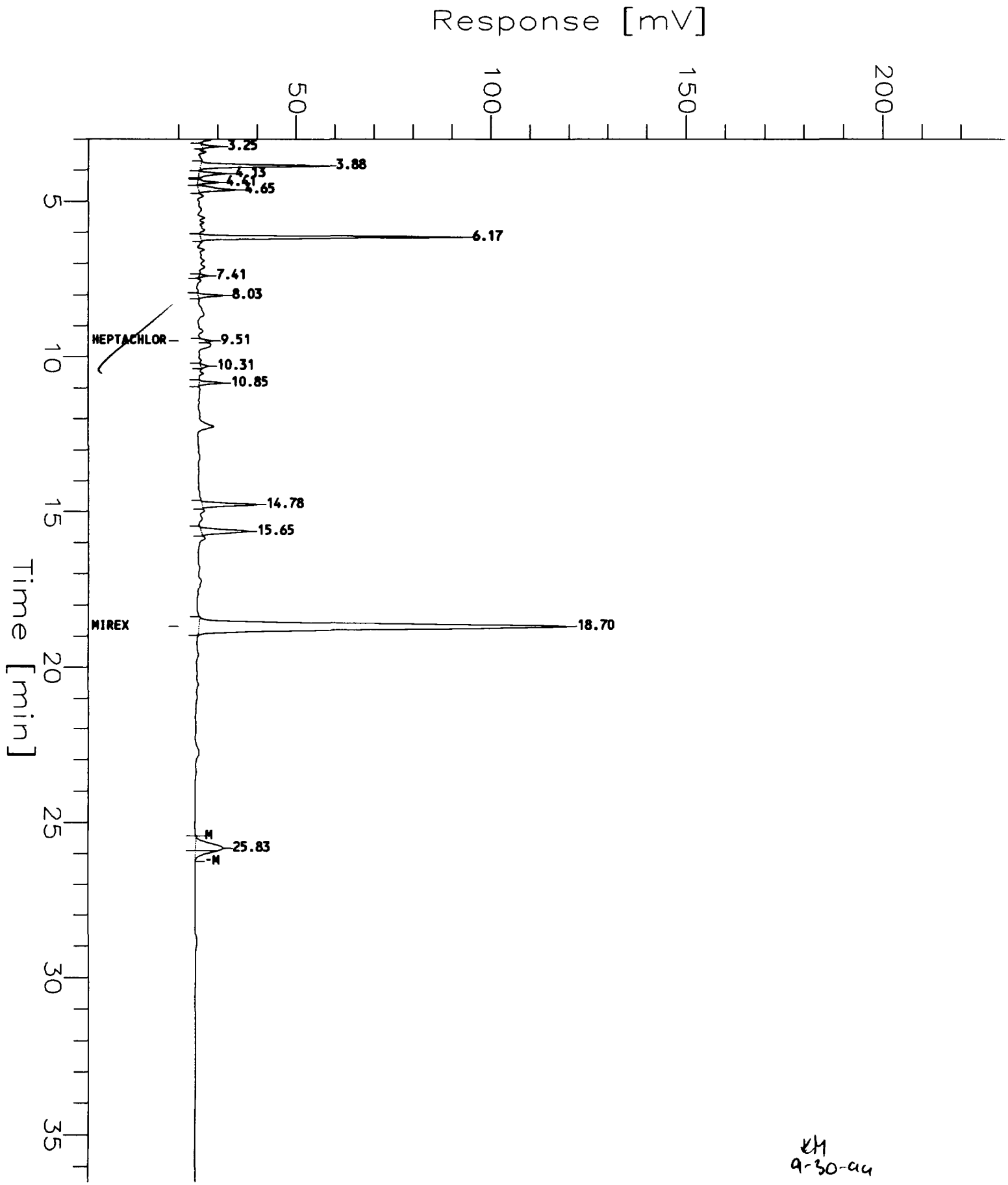
# Chromatogram

Sample Name : MB 091594
FileName : C:\2700\DATA2\1AL_033.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 33
Date : 9/29/94 04:12 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : MB 091594 Time : 10/1/94 09:02 AM
Sample Number: 33 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 02:21 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_033.raw
Result File : C:\2700\DATA2\1AL_033.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 6.17 | TCMX | 0.0682 | 326977 | 69110 | TCMX | 2.3963e7 |
| ~~10~~ | ~~10.31~~ | ~~ALDRIN~~ | ~~0.0010~~ | ~~8410~~ | ~~1573~~ | ~~ALDRIN~~ | ~~4.1430e7~~ |
| ~~12~~ | ~~14.78~~ | ~~ENDO II~~ | ~~0.0195~~ | ~~87986~~ | ~~13975~~ | ~~ENDO II~~ | ~~2.2529e7~~ |
| ~~13~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~0.0324~~ | ~~95904~~ | ~~11786~~ | ~~ENDRIN A~~ | ~~1.4788e7~~ |
| 15 | 25.83 | DCLB | 0.0236 | 111203 | 7177 | DCLB | 2.3603e7 |
| | | | 0.1427 | 630480 | 103621 | | 4.3453e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| END SULFATE | 15.912 |

KM
9-30-94

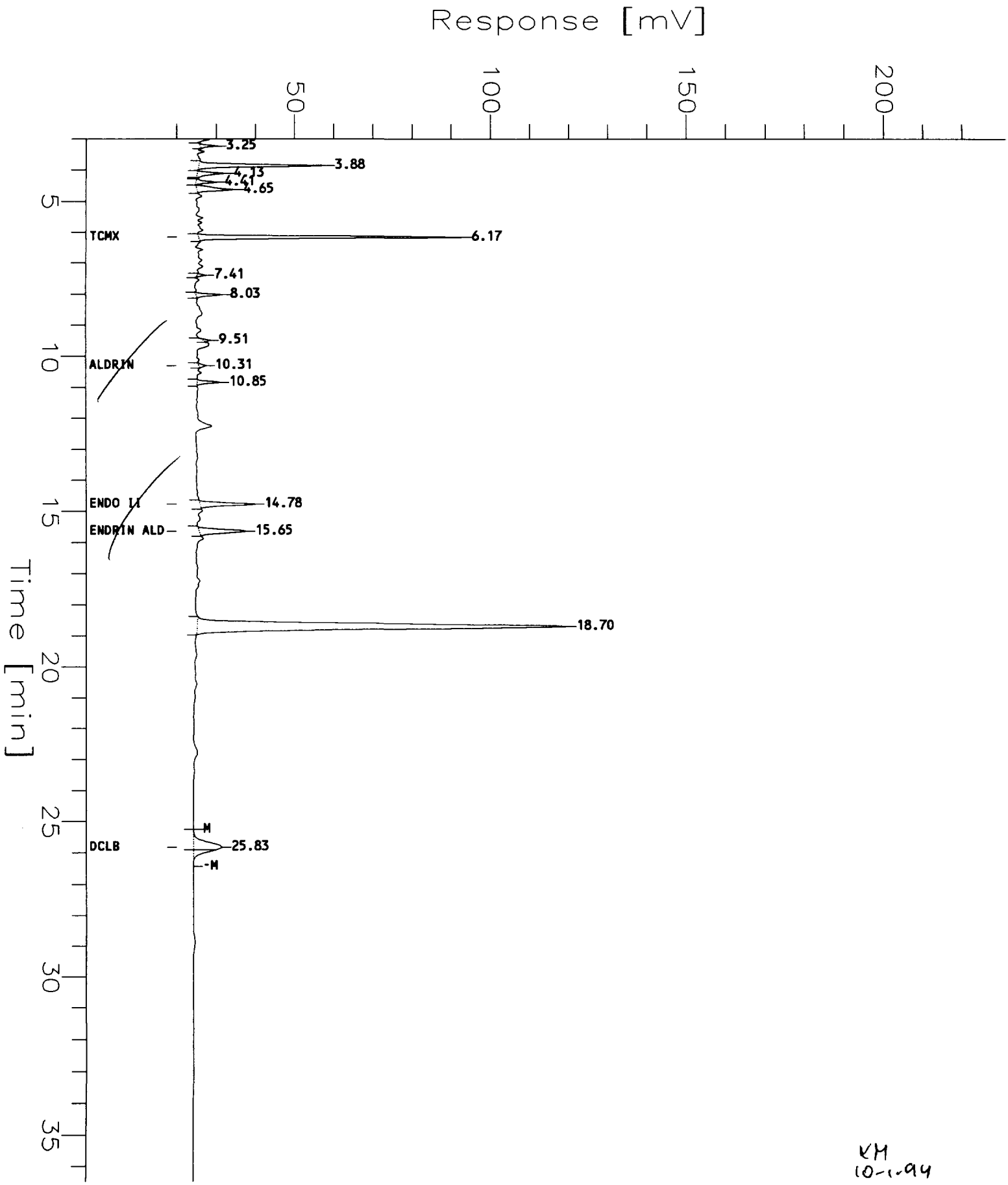
# Chromatogram

Sample Name : MB 091594
FileName : C:\2700\DATA2\1AL_033.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 33
Date : 10/1/94 09:02 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-1-94

Software Version: 3.1 <2A23>
Sample Name : MB 091594 Time : 9/29/94 04:12 PM
Sample Number: 34 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:04 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_034.raw
Result File : C:\2700\DATA2\2AL_034.rst SECONDARY COLUM
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 13 | 20.22 | MIREX | 0.0000 | 912433 | 70860 | MIREX | ------- |
| | | | 0.0000 | 912433 | 70860 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

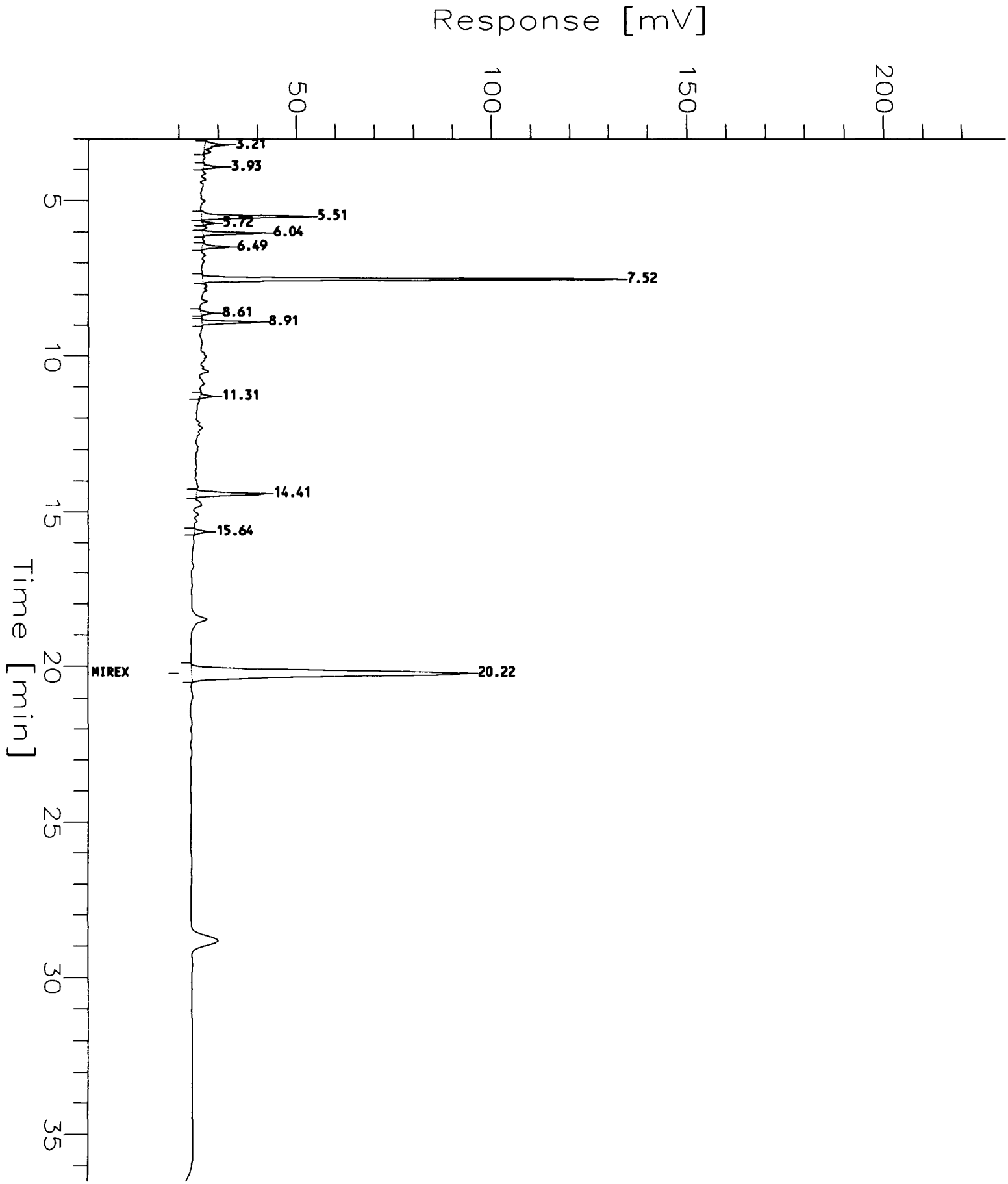
# Chromatogram

Sample Name : MB 091594
FileName : C:\2700\DATA2\2AL_034.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 34
Date : 9/29/94 04:12 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : MB 091594 Time : 10/1/94 09:09 AM
Sample Number: 34 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:04 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_034.raw
Result File : C:\2700\DATA2\2AL_034.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 7 | 7.52 | TCMX | 0.0718 | 518866 | 107748 | MIREX | 3.6127e7 |
| ~~9~~ | ~~8.91~~ | ~~b-BHC~~ | ~~0.0268~~ | ~~73316~~ | ~~14751~~ | ~~MIREX~~ | ~~1.3682e7~~ |
| ~~10~~ | ~~11.31~~ | ~~ALDRIN~~ | ~~0.0027~~ | ~~16764~~ | ~~3299~~ | ~~MIREX~~ | ~~3.0926e7~~ |
| ~~12~~ | ~~15.64~~ | ~~ENDRIN ALD~~ | ~~0.0028~~ | ~~19711~~ | ~~3116~~ | ~~MIREX~~ | ~~3.5354e7~~ |
| 13 | 20.22 | MIREX | 0.0000 | 912433 | 70860 | MIREX | ------- |
| 14 | 28.82 | DCLB | 0.0220 | 106567 | 6699 | MIREX | 2.4222e7 |
| | | | 0.1261 | 1647657 | 206473 | | 1.4031e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.524 |
| HEPT.EPOXIDE | 12.404 |
| g-CHLORDANE | 12.983 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |

KM
10-1-94

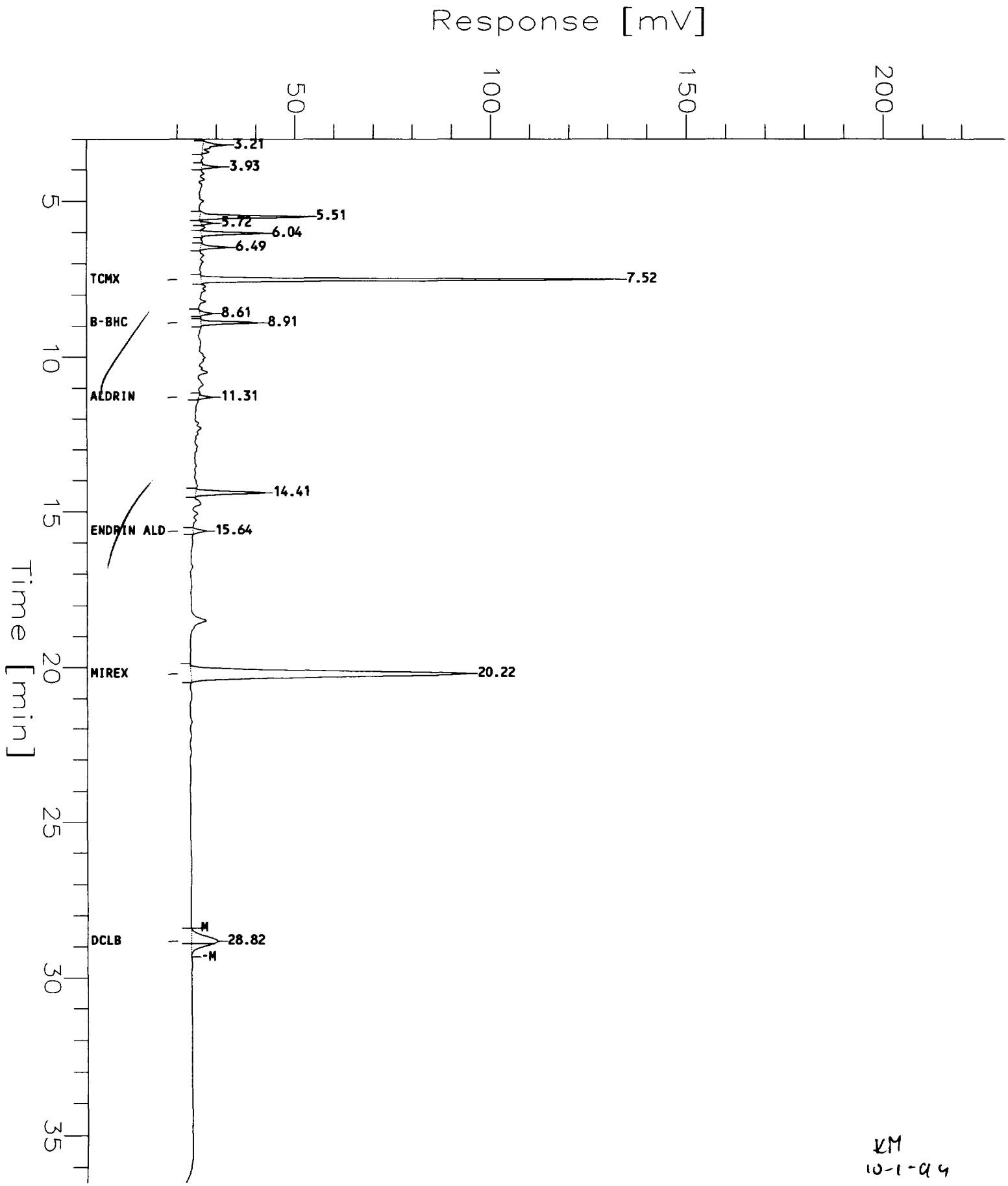
# Chromatogram

Sample Name : MB 091594
FileName : C:\2700\DATA2\2AL_034.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 34
Date : 10/1/94 09:09 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-1-94

Software Version: 3.1 <2A23>
Sample Name : MB 92594 Time : 9/29/94 10:25 AM
Sample Number: 22 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 06:29 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_022.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_022.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~11~~ | ~~9.62~~ | ~~HEPTACHLOR~~ | ~~0.0137~~ | ~~89240~~ | ~~7151~~ | ~~MIREX~~ | ~~3.2598e7~~ |
| 14 | 18.71 | MIREX | 0.0000 | 1220565 | 100751 | MIREX | ------- |
| | | | 0.0137 | 1309804 | 107902 | | 3.2598e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| LINDANE | 8.737 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

KM
9-30-94

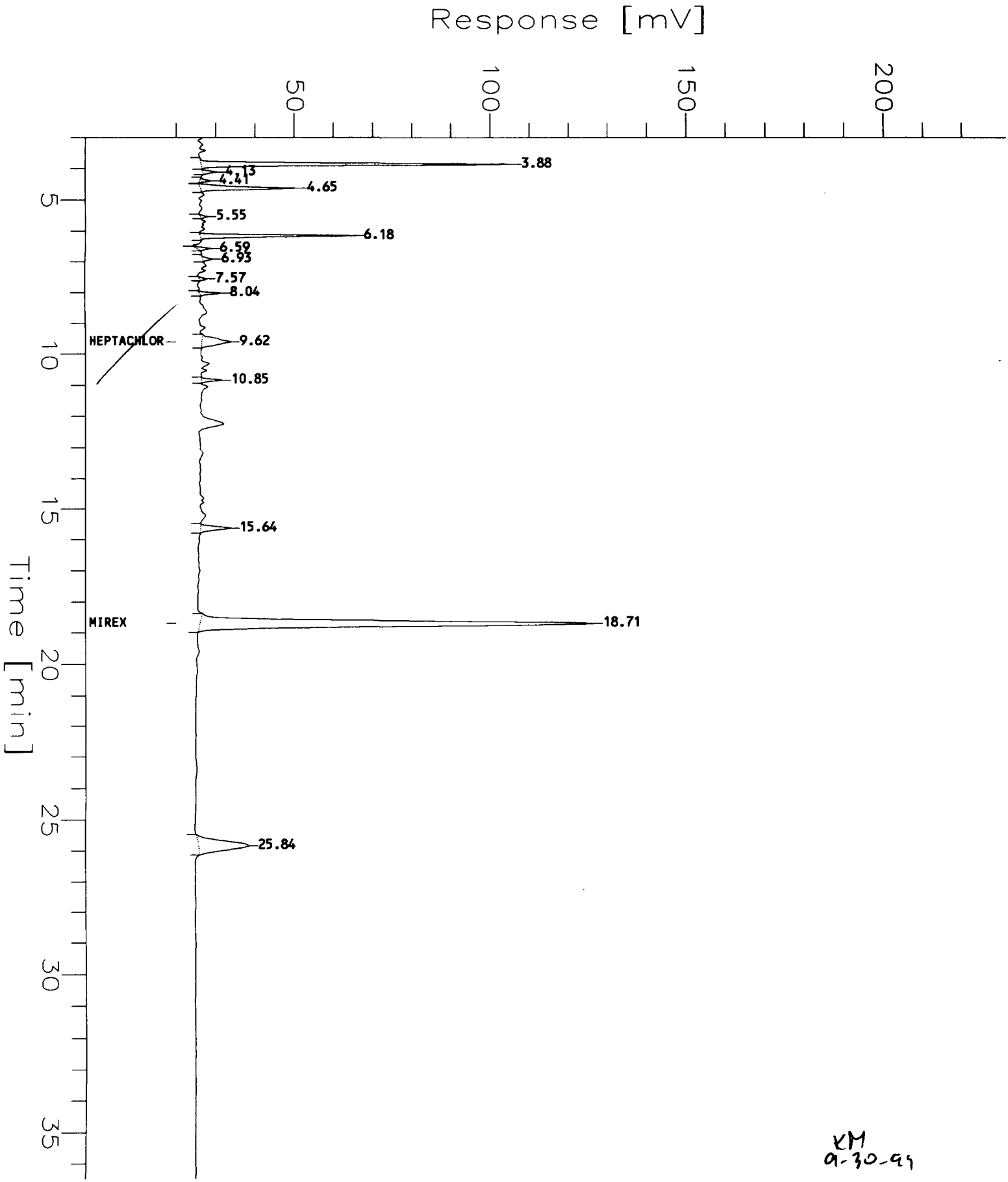
# Chromatogram

Sample Name : MB 92594
FileName : C:\2700\DATA2\1AL_022.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 22
Date : 9/29/94 10:25 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : MB 92594 Time : 9/29/94 09:52 AM
Sample Number: 22 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 06:29 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_022.raw
Result File : C:\2700\DATA2\1AL_022.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 6.18 | TCMX | 0.0367 | 187008 | 39666 | TCMX | 2.5506e7 |
| ~~11~~ | ~~9.62~~ | ~~d-BHC~~ | ~~0.0281~~ | ~~89240~~ | ~~7151~~ | ~~d-BHC~~ | ~~1.5889e7~~ |
| ~~13~~ | ~~15.64~~ | ~~ENDRIN ALD~~ | ~~0.0141~~ | ~~58869~~ | ~~7425~~ | ~~ENDRIN A~~ | ~~2.0874e7~~ |
| 15 | 25.84 | DCLB | 0.0520 | 245488 | 12687 | DCLB | 2.3603e7 |
| | | | 0.1308 | 580603 | 66929 | | 8.5873e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| ALDRIN | 10.219 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| ENDO II | 14.603 |
| END SULFATE | 15.912 |

KM
9-30-94

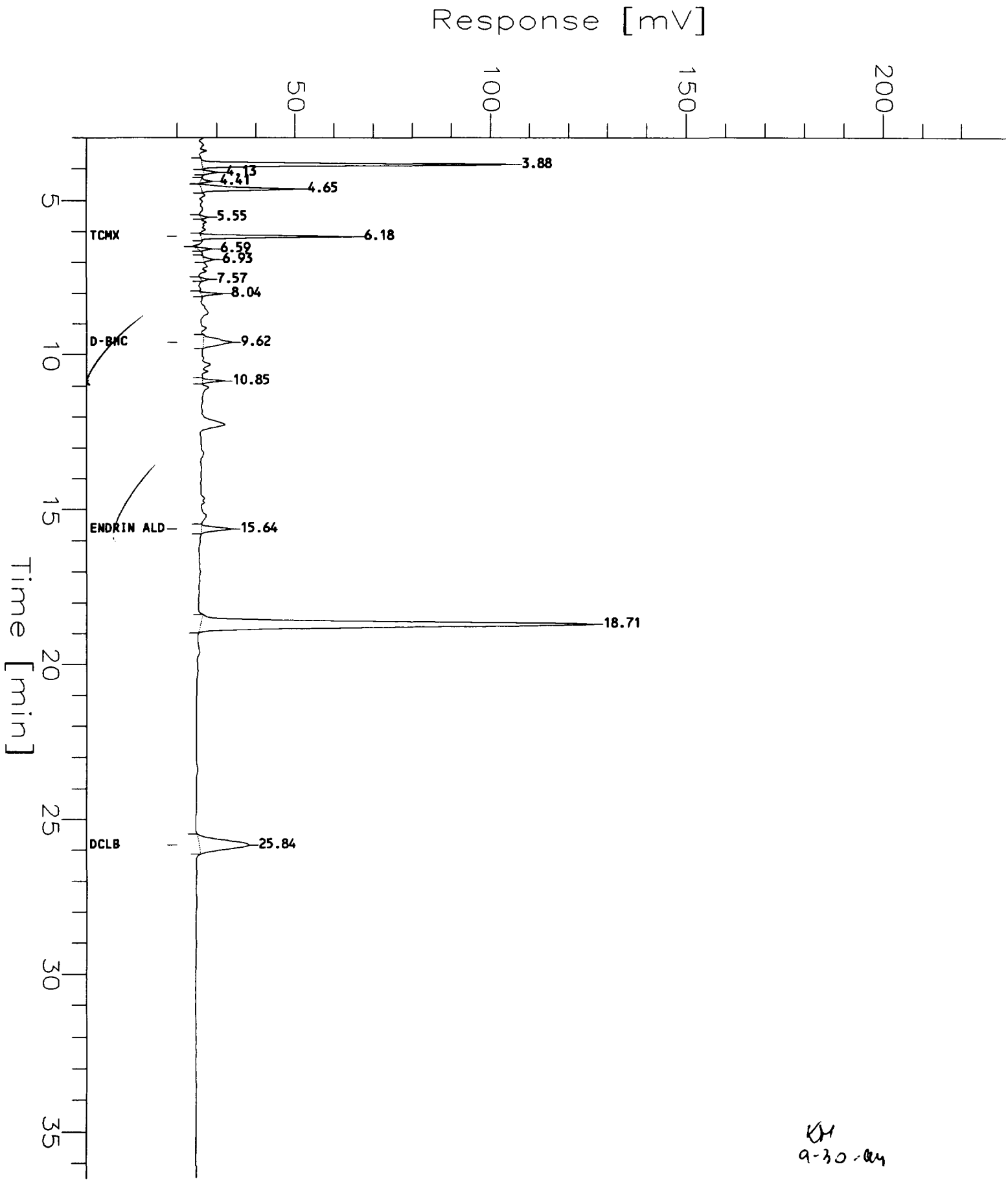
# Chromatogram

Sample Name : MB 92594
FileName : C:\2700\DATA2\1AL_022.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 22
Date : 9/29/94 09:52 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KH
9-30-94

Software Version: 3.1 <2A23>
Sample Name : MB 92594 Time : 9/29/94 12:14 PM
Sample Number: 23 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:11 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_023.raw SECONDARY COLUMN
Result File : C:\2700\DATA2\2AL_023.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 11 | 20.23 | MIREX | 0.0000 | 1007107 | 78702 | MIREX | ------- |
| | | | 0.0000 | 1007107 | 78702 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

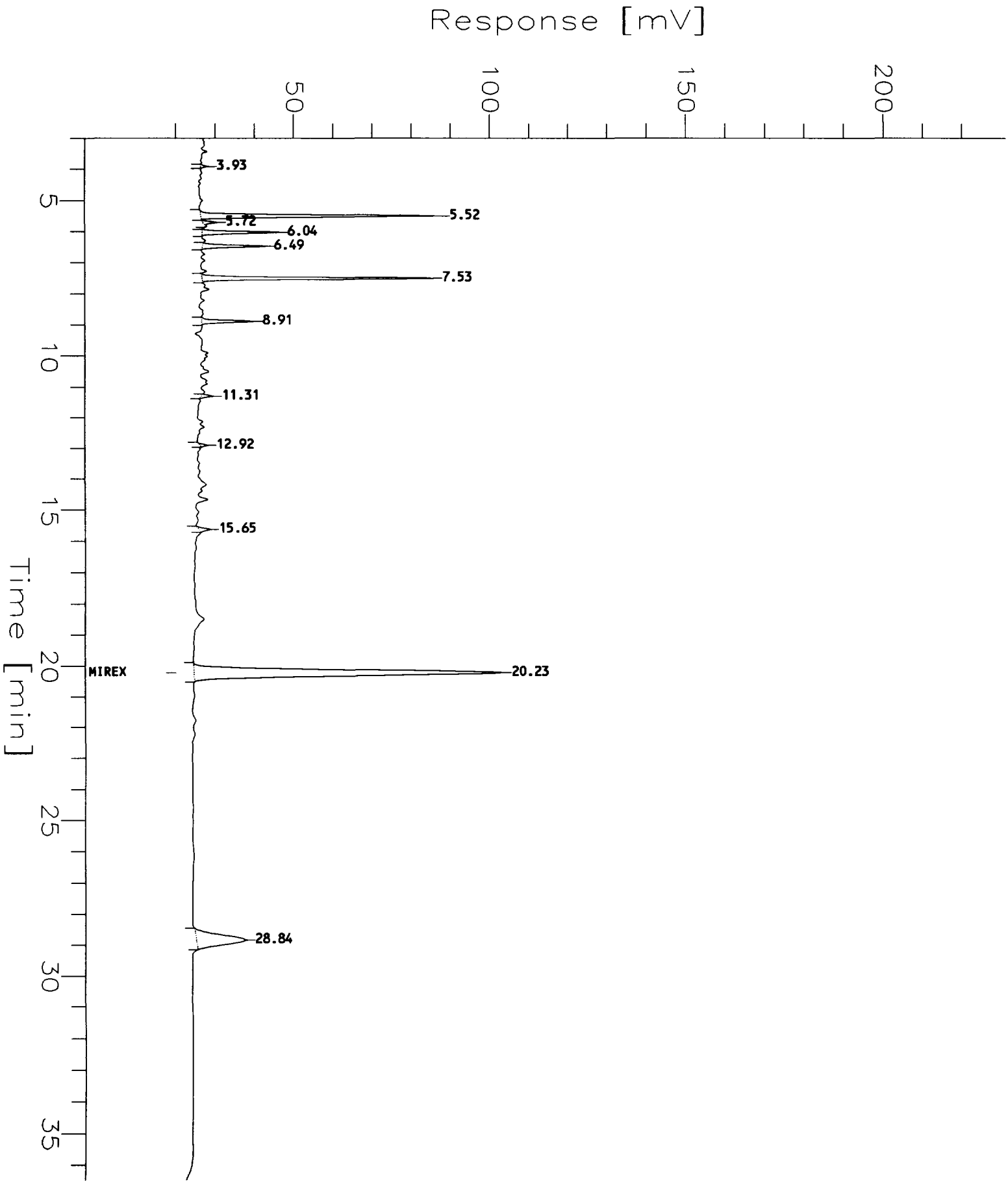
# Chromatogram

Sample Name : MB 92594
FileName : C:\2700\DATA2\2AL_023.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 23
Date : 9/29/94 12:14 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : MB 92594 Time : 9/29/94 11:16 AM
Sample Number: 23 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:11 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_023.raw
Result File : C:\2700\DATA2\2AL_023.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 6 | 7.53 | TCMX | 0.0385 | 286815 | 59977 | MIREX | 3.7259e7 |
| ~~7~~ | ~~8.91~~ | ~~b-BHC~~ | ~~0.0241~~ | ~~67770~~ | ~~13282~~ | ~~MIREX~~ | ~~1.4049e7~~ |
| ~~8~~ | ~~11.31~~ | ~~ALDRIN~~ | ~~0.0017~~ | ~~12228~~ | ~~2733~~ | ~~MIREX~~ | ~~3.5614e7~~ |
| ~~9~~ | ~~12.92~~ | ~~g-CHLORDANE~~ | ~~-0.0021~~ | ~~8932~~ | ~~1700~~ | ~~MIREX~~ | ~~-2.0986e7~~ |
| ~~10~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~-0.0001~~ | ~~16332~~ | ~~2652~~ | ~~MIREX~~ | ~~-7.9776e8~~ |
| 11 | 20.23 | MIREX | 0.0000 | 1007107 | 78702 | MIREX | ------- |
| 12 | 28.84 | DCLB | 0.0525 | 254094 | 12440 | MIREX | 2.4222e7 |
| | | | 0.1145 | 1653278 | 171487 | | -7.0761e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.524 |
| HEPT.EPOXIDE | 12.404 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |

KM
9-30-94

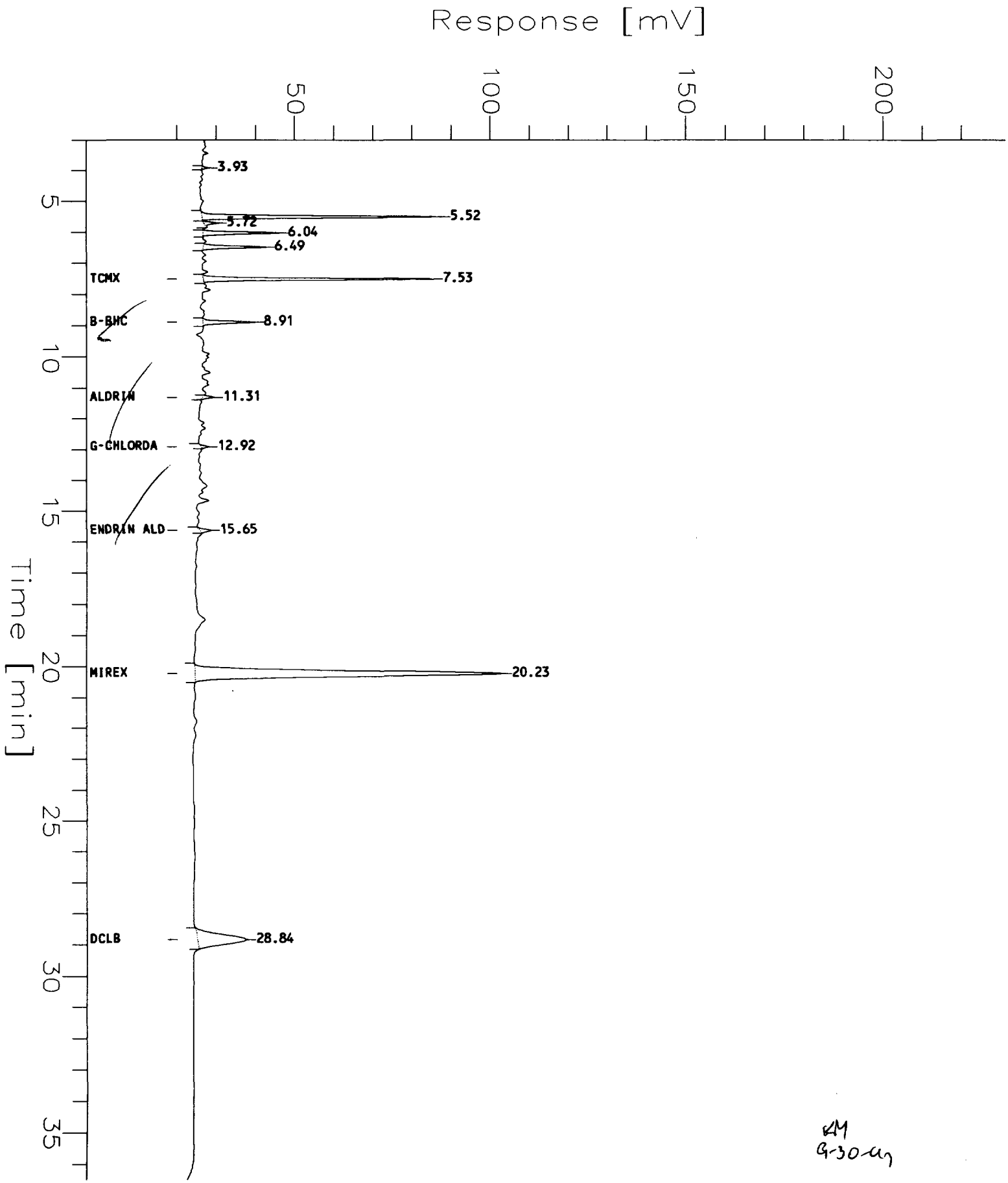
# Chromatogram

Sample Name : MB 92594
FileName : C:\2700\DATA2\2AL_023.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 23
Date : 9/29/94 11:16 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : LCS
Sample Number: 35
Operator : KM

Time : 9/29/94 10:51 AM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:47 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_035.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_035.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 10.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 11 | 8.74 | LINDANE | 0.1392 | 329937 | 68897 | MIREX | 2.3696e7 |
| 12 | 9.47 | HEPTACHLOR | 0.1277 | 289164 | 52508 | MIREX | 2.2642e7 |
| 16 | 12.33 | ENDO I | 0.2133 | 436626 | 67441 | MIREX | 2.0466e7 |
| 18 | 13.11 | DIELDRIN | 0.2234 | 459355 | 72024 | MIREX | 2.0563e7 |
| 19 | 14.11 | ENDRIN | 0.2090 | 374589 | 55903 | MIREX | 1.7924e7 |
| 20 | 14.33 | p,p'-DDD | 0.2480 | 360684 | 54457 | MIREX | 1.4543e7 |
| 21 | 15.20 | p,p'-DDT | 0.3903 | 558597 | 80628 | MIREX | 1.4313e7 |
| 24 | 18.26 | METHOXYCHLOR | 0.4936 | 396483 | 38127 | MIREX | 8.0329e6 |
| 25 | 18.70 | MIREX | 0.0000 | 1247089 | 102050 | MIREX | ------- |
| | | | 2.0445 | 4452523 | 592034 | | 1.4218e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |

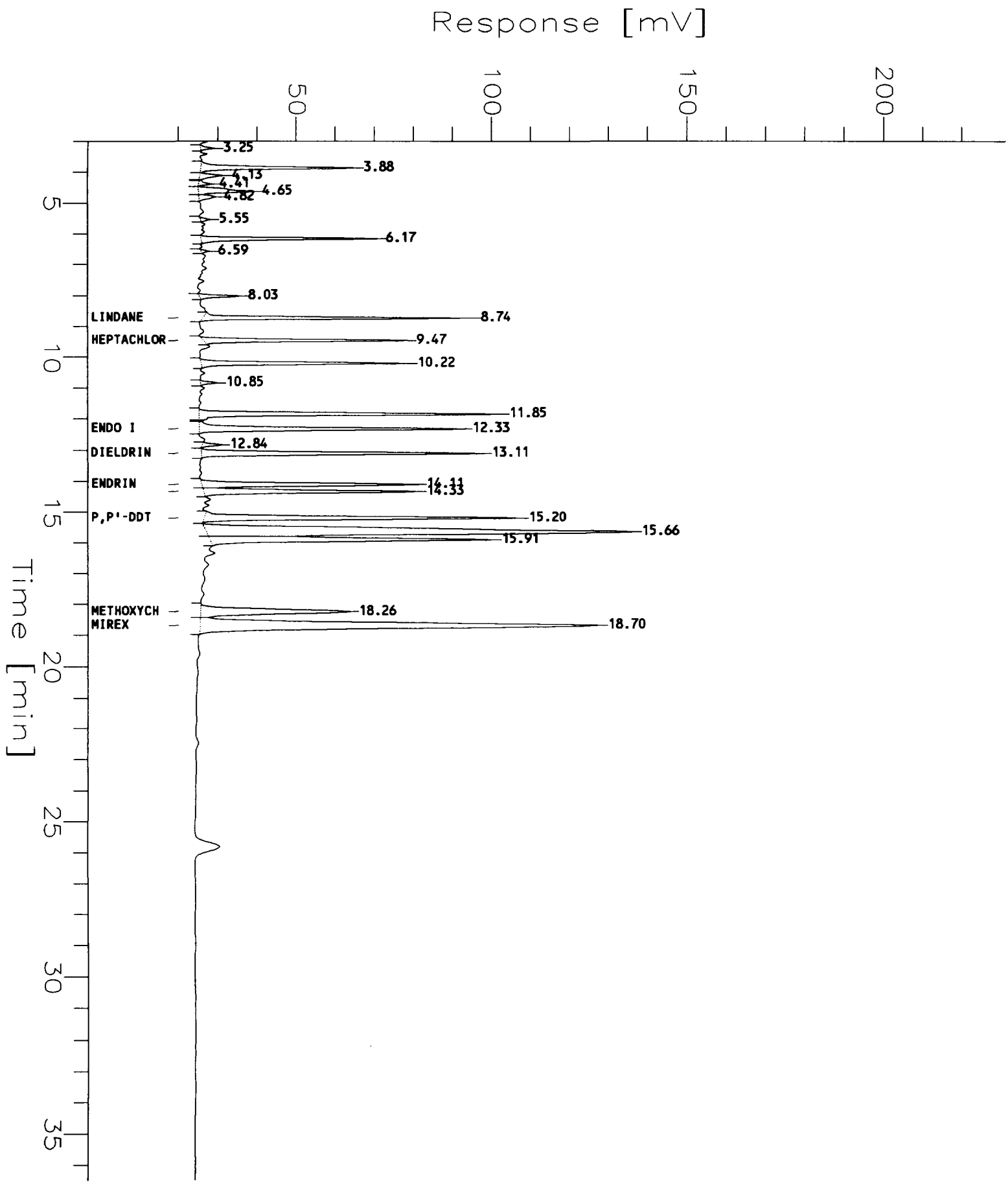
# Chromatogram

Sample Name : LCS
FileName : C:\2700\DATA2\1AL_035.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 35
Date : 9/29/94 10:52 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : LCS
Sample Number: 35
Operator : KM

Time : 10/2/94 01:04 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:47 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_035.raw
Result File : C:\2700\DATA2\1AL_035.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 10.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 8 | 6.17 | TCMX | 0.0916 | 227536 | 45988 | TCMX | 2.4840e7 |
| 13 | 10.22 | ALDRIN | 0.1477 | 293365 | 52898 | ALDRIN | 1.9863e7 |
| 15 | 11.85 | g-CHLORDANE | 0.2426 | 474047 | 76987 | g-CHLORD | 1.9538e7 |
| ~~16~~ | ~~12.33~~ | ~~a-CHLORDANE~~ | ~~0.2225~~ | ~~436626~~ | ~~67441~~ | ~~a-CHLORD~~ | ~~1.9622e7~~ |
| ~~17~~ | ~~12.84~~ | ~~p,p'-DDE~~ | ~~0.0022~~ | ~~24979~~ | ~~4742~~ | ~~p,p'-DDE~~ | ~~1.1481e8~~ |
| 22 | 15.66 | ENDRIN ALD | 1.3056 | 1349623 | 109504 | ENDRIN A | 1.0337e7 |
| 23 | 15.91 | END SULFATE | 0.4395 | 569335 | 72523 | END SULF | 1.2953e7 |
| 26 | 25.82 | DCLB | 0.0393 | 92749 | 6219 | DCLB | 2.3603e7 |
| | | | 2.4910 | 3468260 | 436303 | | 2.4557e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| HEPT.EPOXIDE | 11.474 |
| ENDO II | 14.603 |

KM
10-02-94

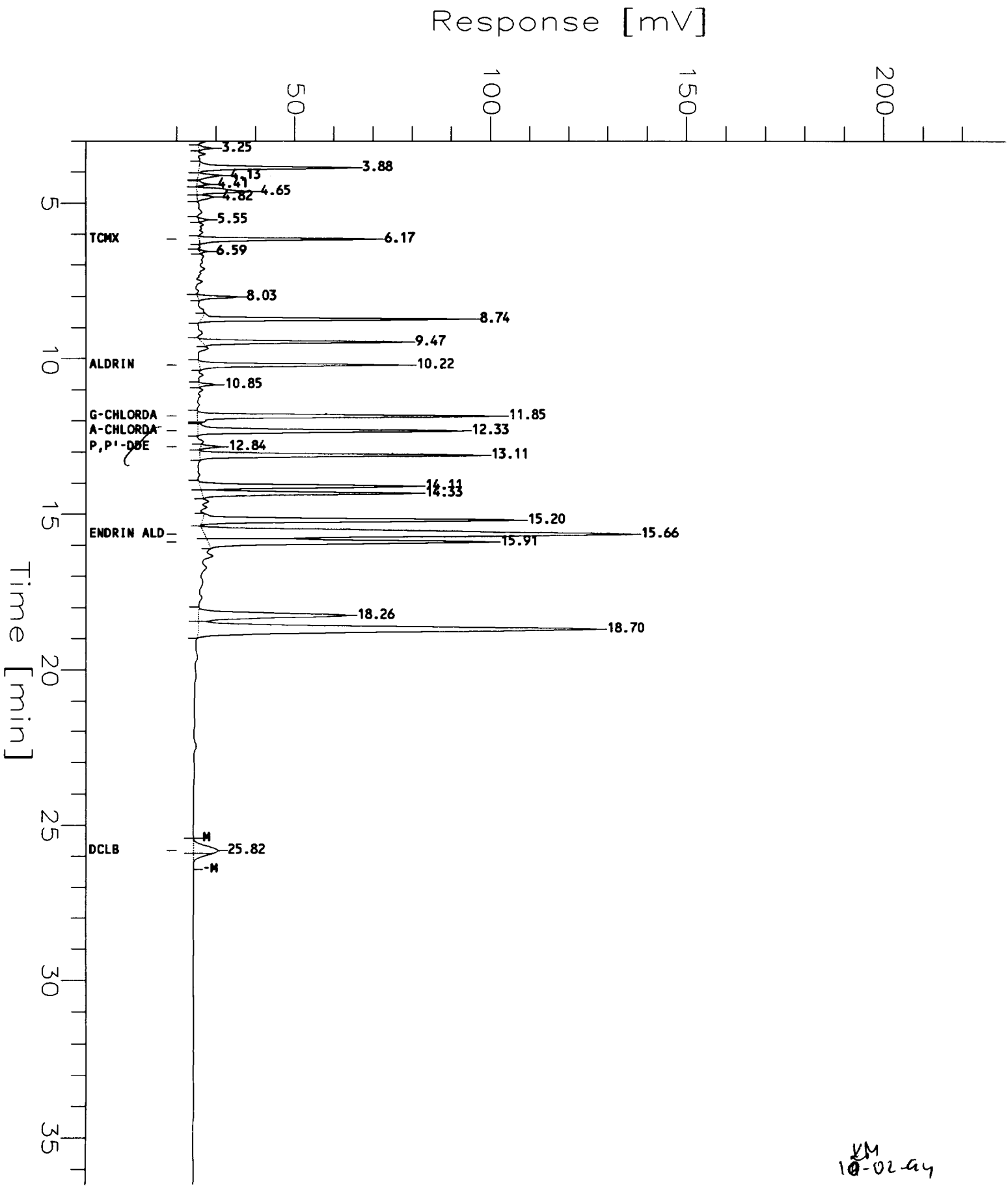
# Chromatogram

Sample Name : LCS
FileName : C:\2700\DATA2\1AL_035.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 35
Date : 10/2/94 01:04 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-02-94

Software Version: 3.1 <2A23>
Sample Name : LCS
Sample Number: 36
Operator : KM

Time : 9/29/94 01:38 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 04:30 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_036.raw
Result File : C:\2700\DATA2\2AL_036.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

SECONDARY COLUMN

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 10.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 12 | 9.08 | LINDANE | 0.1394 | 255064 | 50892 | MIREX | 1.8295e7 |
| 14 | 10.69 | HEPTACHLOR | 0.1254 | 193715 | 36163 | MIREX | 1.5446e7 |
| 17 | 13.34 | ENDO I | 0.2146 | 293930 | 46274 | MIREX | 1.3697e7 |
| 19 | 14.02 | DIELDRIN | 0.2313 | 553806 | 88478 | MIREX | 2.3941e7 |
| 21 | 14.63 | ENDRIN | 0.2104 | 461528 | 72450 | MIREX | 2.1938e7 |
| 22 | 14.86 | p,p'-DDD | 0.2312 | 347426 | 52881 | MIREX | 1.5028e7 |
| 24 | 15.98 | p,p'-DDT | 0.6139 | 1493962 | 179173 | MIREX | 2.4337e7 |
| 25 | 17.76 | METHOXYCHLOR | 0.3842 | 426039 | 45266 | MIREX | 1.1089e7 |
| 27 | 20.22 | MIREX | 0.0000 | 985251 | 77130 | MIREX | ------- |
| | | | 2.1503 | 5010721 | 648706 | | 1.4377e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |

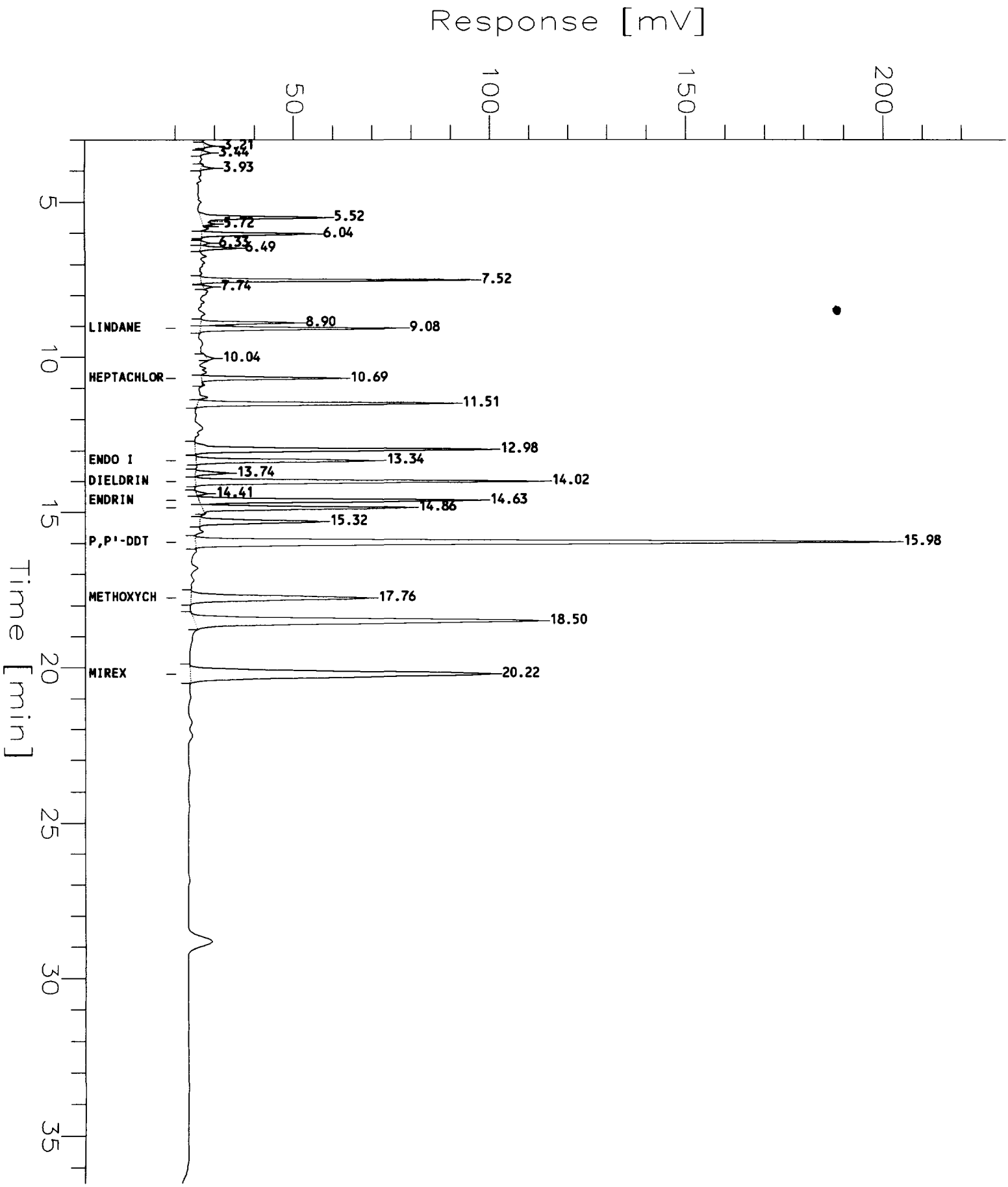
# Chromatogram

Sample Name : LCS
FileName : C:\2700\DATA2\2AL_036.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 36
Date : 9/29/94 01:39 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : LCS
Sample Number: 36
Operator : KM

Time : 9/29/94 11:46 AM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 04:30 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_036.raw
Result File : C:\2700\DATA2\2AL_036.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 10.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 9 | 7.52 | TCMX | 0.0909 | 335389 | 70210 | MIREX | 3.6884e7 |
| ~~12~~ | ~~9.08~~ | ~~b-BHC~~ | ~~0.2287~~ | ~~255064~~ | ~~50892~~ | ~~MIREX~~ | ~~1.1150e7~~ |
| 15 | 11.51 | ALDRIN | 0.1571 | 363083 | 66596 | MIREX | 2.3105e7 |
| 16 | 12.98 | g-CHLORDANE | 0.2596 | 484241 | 75614 | MIREX | 1.8651e7 |
| ~~17~~ | ~~13.34~~ | ~~a-CHLORDANE~~ | ~~0.1391~~ | ~~293930~~ | ~~46274~~ | ~~MIREX~~ | ~~2.1124e7~~ |
| ~~19~~ | ~~14.02~~ | ~~p,p'-DDE~~ | ~~0.2077~~ | ~~553806~~ | ~~88478~~ | ~~MIREX~~ | ~~2.6660e7~~ |
| ~~21~~ | ~~14.63~~ | ~~ENDO II~~ | ~~0.5852~~ | ~~461528~~ | ~~72450~~ | ~~MIREX~~ | ~~7.8868e6~~ |
| 23 | 15.32 | ENDRIN ALD | 0.3456 | 218511 | 30632 | MIREX | 6.3219e6 |
| 24 | 15.98 | END SULFATE | 0.9300 | 1493962 | 179173 | MIREX | 1.6064e7 |
| ~~25~~ | ~~17.76~~ | ~~ENDRIN KETON~~ | ~~0.6060~~ | ~~426039~~ | ~~45266~~ | ~~MIREX~~ | ~~7.0304e6~~ |
| 27 | 20.22 | MIREX | 0.0000 | 985251 | 77130 | MIREX | ------- |
| 28 | 28.81 | DCLB | 0.0395 | 95558 | 5975 | MIREX | 2.4222e7 |
| | | | 3.5895 | 5966361 | 808689 | | 1.9910e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.524 |
| HEPT.EPOXIDE | 12.404 |

KM
10-02-94

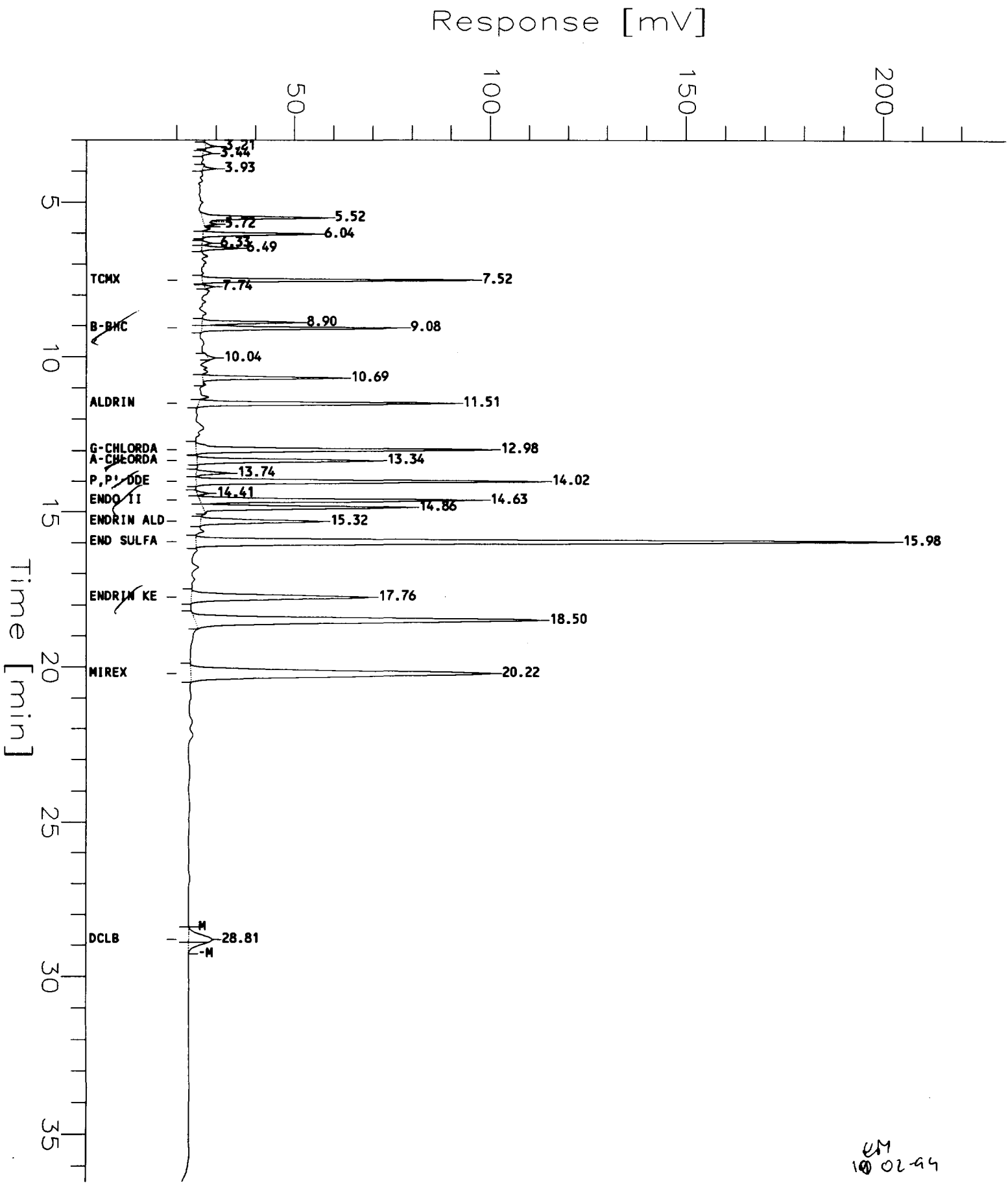
# Chromatogram

Sample Name : LCS
FileName : C:\2700\DATA2\2AL_036.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 36
Date : 9/29/94 11:46 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




EM
10 02-94

Software Version: 3.1 <2A23>
Sample Name : LCS DUP
Sample Number: 36
Operator : KM

Time : 9/29/94 01:46 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 04:30 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

PRIMARY COLUMN

Raw Data File : C:\2700\DATA2\1AL_036.raw
Result File : C:\2700\DATA2\1AL_036.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 10.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 13 | 8.74 | LINDANE | 0.1452 | 342872 | 71830 | MIREX | 2.3606e7 |
| 14 | 9.47 | HEPTACHLOR | 0.1244 | 282533 | 51198 | MIREX | 2.2715e7 |
| 18 | 12.33 | ENDO I | 0.2136 | 437088 | 66839 | MIREX | 2.0465e7 |
| 20 | 13.11 | DIELDRIN | 0.2170 | 447590 | 70131 | MIREX | 2.0629e7 |
| 21 | 14.11 | ENDRIN | 0.2079 | 372818 | 55307 | MIREX | 1.7936e7 |
| 22 | 14.33 | p,p'-DDD | 0.2302 | 337533 | 52089 | MIREX | 1.4665e7 |
| 23 | 15.20 | p,p'-DDT | 0.3765 | 540036 | 77995 | MIREX | 1.4342e7 |
| 26 | 18.26 | METHOXYCHLOR | 0.4865 | 392426 | 36973 | MIREX | 8.0661e6 |
| 27 | 18.70 | MIREX | 0.0000 | 1236756 | 100554 | MIREX | ------- |
| | | | 2.0012 | 4389652 | 582915 | | 1.4242e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |

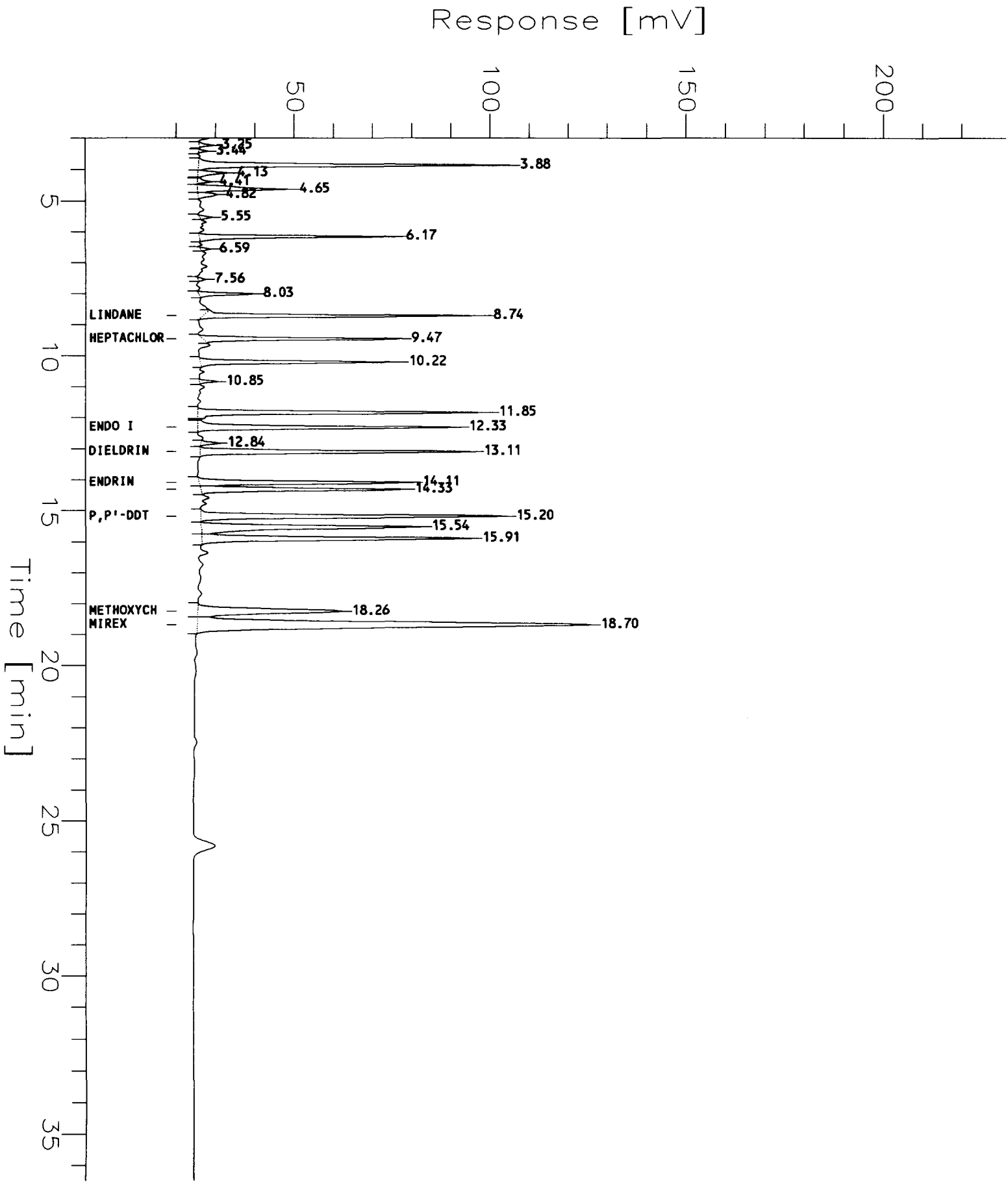
# Chromatogram

Sample Name : LCS DUP
FileName : C:\2700\DATA2\1AL_036.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 36
Date : 9/29/94 01:47 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : LCS DUP
Sample Number: 36
Operator : KM

Time : 9/29/94 01:44 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : A A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 04:30 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_036.raw
Result File : C:\2700\DATA2\1AL_036.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 10.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 9 | 6.17 | TCMX | 0.1047 | 256468 | 51669 | TCMX | 2.4507e7 |
| 15 | 10.22 | ALDRIN | 0.1413 | 278351 | 50703 | ALDRIN | 1.9701e7 |
| 17 | 11.85 | g-CHLORDANE | 0.2336 | 457310 | 74442 | g-CHLORD | 1.9574e7 |
| ~~18~~ | ~~12.33~~ | ~~a-CHLORDANE~~ | ~~0.2228~~ | ~~437088~~ | ~~66839~~ | ~~a-CHLORD~~ | ~~1.9621e7~~ |
| ~~19~~ | ~~12.84~~ | ~~p,p'-DDE~~ | ~~0.0009~~ | ~~23184~~ | ~~4471~~ | ~~p,p'-DDE~~ | ~~2.4728e8~~ |
| 24 | 15.54 | ENDRIN ALD | 0.4318 | 466689 | 56690 | ENDRIN A | 1.0808e7 |
| 25 | 15.91 | END SULFATE | 0.4151 | 539091 | 69547 | END SULF | 1.2985e7 |
| 28 | 25.82 | DCLB | 0.0343 | 80923 | 5400 | DCLB | 2.3603e7 |
| | | | 1.5845 | 2539104 | 379761 | | 3.7808e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| HEPT.EPOXIDE | 11.474 |
| ENDO II | 14.603 |

KM
10-02-94

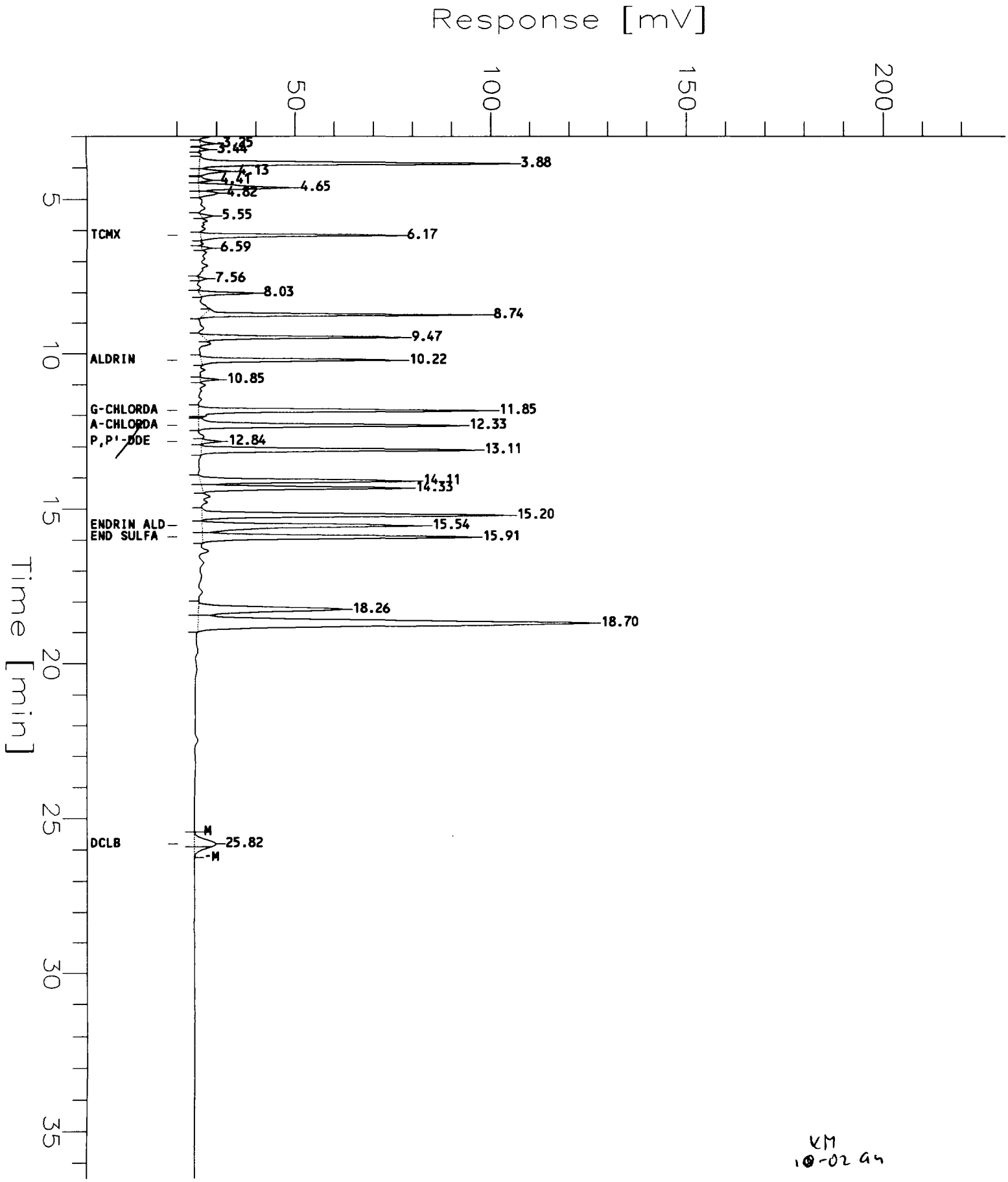
# Chromatogram

Sample Name : LCS DUP
FileName : C:\2700\DATA2\1AL_036.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 36
Date : 9/29/94 01:44 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-02 94

Software Version: 3.1 <2A23>
Sample Name : LCS DUP
Sample Number: 37
Operator : KM

Time : 9/29/94 01:39 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:13 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_037.raw
Result File : C:\2700\DATA2\2AL_037.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

SECONDARY COLUMN

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 10.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 12 | 9.08 | LINDANE | 0.1441 | 262756 | 52366 | MIREX | 1.8236e7 |
| 15 | 10.69 | HEPTACHLOR | 0.1202 | 186614 | 35213 | MIREX | 1.5528e7 |
| 19 | 13.34 | ENDO I | 0.2150 | 294508 | 46292 | MIREX | 1.3695e7 |
| 21 | 14.02 | DIELDRIN | 0.2280 | 546053 | 86449 | MIREX | 2.3951e7 |
| 22 | 14.63 | ENDRIN | 0.2075 | 455341 | 71318 | MIREX | 2.1948e7 |
| 23 | 14.86 | p,p'-DDD | 0.2208 | 333643 | 51065 | MIREX | 1.5112e7 |
| 25 | 15.98 | p,p'-DDT | 0.5945 | 1446606 | 175029 | MIREX | 2.4333e7 |
| 26 | 17.76 | METHOXYCHLOR | 0.3595 | 406635 | 42756 | MIREX | 1.1311e7 |
| 27 | 20.22 | MIREX | 0.0000 | 960996 | 74816 | MIREX | ------- |
| | | | 2.0895 | 4893151 | 635303 | | 1.4411e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |

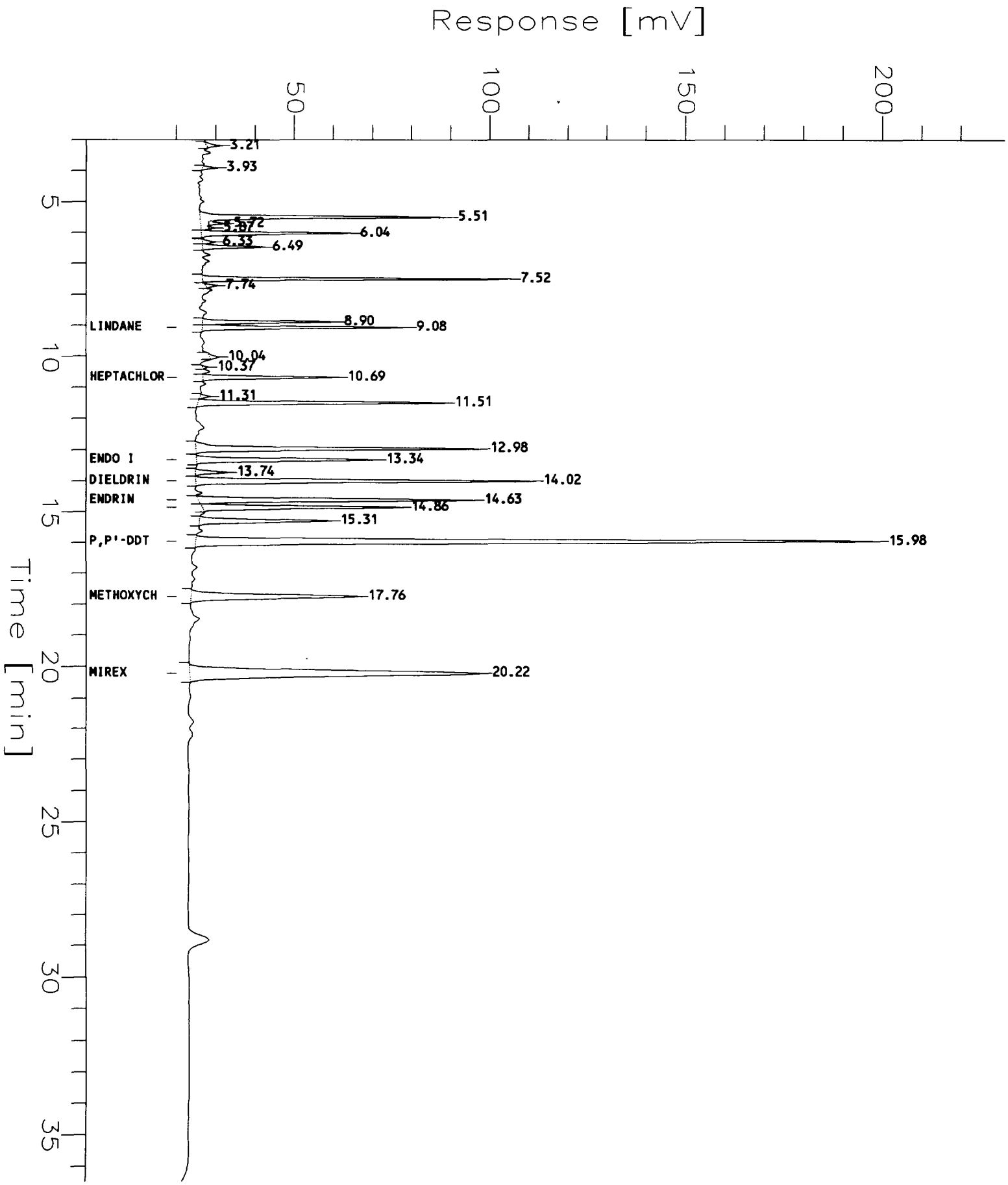
# Chromatogram

Sample Name : LCS DUP
FileName : C:\2700\DATA2\2AL_037.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 37
Date : 9/29/94 01:39 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : LCS DUP
Sample Number: 37
Operator : KM

Time : 9/29/94 11:48 AM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 05:13 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_037.raw
Result File : C:\2700\DATA2\2AL_037.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 10.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 9 | 7.52 | TCMX | 0.1040 | 380773 | 79652 | MIREX | 3.6625e7 |
| ~~12~~ | ~~9.08~~ | ~~b-BHC~~ | ~~0.2362~~ | ~~262756~~ | ~~52366~~ | ~~MIREX~~ | ~~1.1126e7~~ |
| 17 | 11.51 | ALDRIN | 0.1518 | 350844 | 64519 | MIREX | 2.3115e7 |
| 18 | 12.98 | g-CHLORDANE | 0.2526 | 471563 | 73059 | MIREX | 1.8669e7 |
| ~~19~~ | ~~13.34~~ | ~~a-CHLORDANE~~ | ~~0.1394~~ | ~~294508~~ | ~~46292~~ | ~~MIREX~~ | ~~2.1122e7~~ |
| ~~21~~ | ~~14.02~~ | ~~p,p'-DDE~~ | ~~0.2048~~ | ~~546053~~ | ~~86449~~ | ~~MIREX~~ | ~~2.6661e7~~ |
| ~~22~~ | ~~14.63~~ | ~~ENDO II~~ | ~~0.5770~~ | ~~455341~~ | ~~71318~~ | ~~MIREX~~ | ~~7.8919e6~~ |
| 24 | 15.31 | ENDRIN ALD | 0.3804 | 238851 | 33466 | MIREX | 6.2784e6 |
| 25 | 15.98 | END SULFATE | 0.9007 | 1446606 | 175029 | MIREX | 1.6061e7 |
| ~~26~~ | ~~17.76~~ | ~~ENDRIN KETON~~ | ~~0.5772~~ | ~~406635~~ | ~~42756~~ | ~~MIREX~~ | ~~7.0450e6~~ |
| 27 | 20.22 | MIREX | 0.0000 | 960996 | 74816 | MIREX | ------- |
| 28 | 28.82 | DCLB | 0.0332 | 80496 | 5141 | MIREX | 2.4222e7 |
| | | | 3.5572 | 5895421 | 804862 | | 1.9882e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.524 |
| HEPT.EPOXIDE | 12.404 |

KM
10-02-94

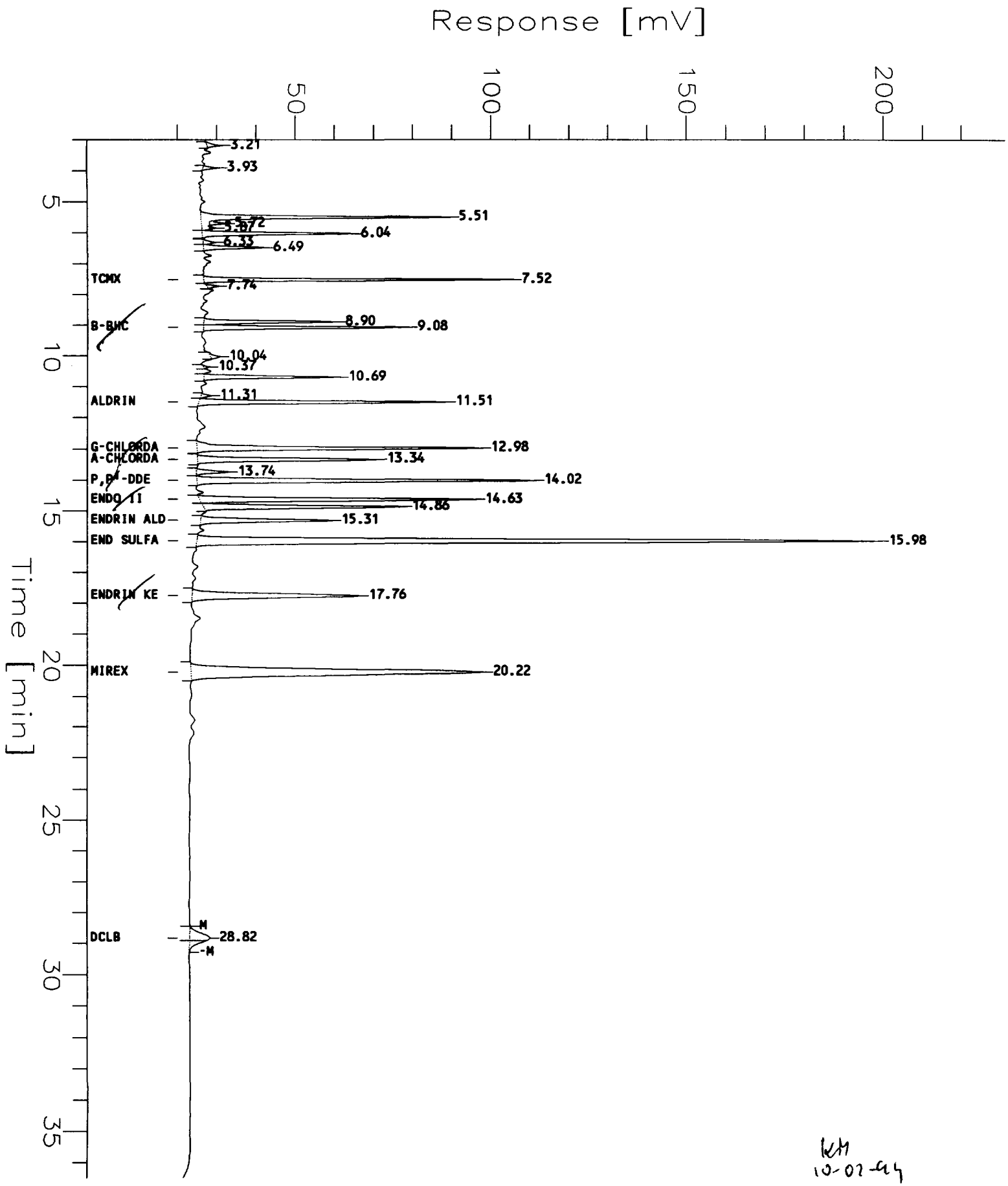
# Chromatogram

Sample Name : LCS DUP
FileName : C:\2700\DATA2\2AL_037.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 37
Date : 9/29/94 11:48 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-07-94

Software Version: 3.1 <2A23>
Sample Name : PE PR713 Time : 9/29/94 12:02 PM
Sample Number: 34 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:04 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

PRIMARY COLUMN

Raw Data File : C:\2700\DATA2\1AL_034.raw
Result File : C:\2700\DATA2\1AL_034.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 15 | 8.74 | LINDANE | 0.0456 | 226467 | 46103 | MIREX | 2.4840e7 |
| ~~16~~ | ~~9.50~~ | ~~HEPTACHLOR~~ | ~~0.0018~~ | ~~27427~~ | ~~3716~~ | ~~MIREX~~ | ~~7.5218e7~~ |
| ~~20~~ | ~~12.27~~ | ~~ENDO I~~ | ~~0.0031~~ | ~~43268~~ | ~~5337~~ | ~~MIREX~~ | ~~7.0563e7~~ |
| ~~21~~ | ~~12.84~~ | ~~DIELDRIN~~ | ~~0.0557~~ | ~~253996~~ | ~~44163~~ | ~~MIREX~~ | ~~2.2793e7~~ |
| 22 | 14.11 | ENDRIN | 0.0454 | 189438 | 28604 | MIREX | 2.0855e7 |
| 23 | 14.33 | p,p'-DDD | 0.0272 | 109733 | 17455 | MIREX | 2.0139e7 |
| 25 | 15.20 | p,p'-DDT | 0.0414 | 143459 | 18595 | MIREX | 1.7336e7 |
| 28 | 18.26 | METHOXYCHLOR | 0.1567 | 293003 | 26755 | MIREX | 9.3469e6 |
| 29 | 18.70 | MIREX | 0.0000 | 1270045 | 103132 | MIREX | ------- |
| | | | 0.3733 | 2556836 | 293860 | | 1.1065e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |

KM
9-30-94

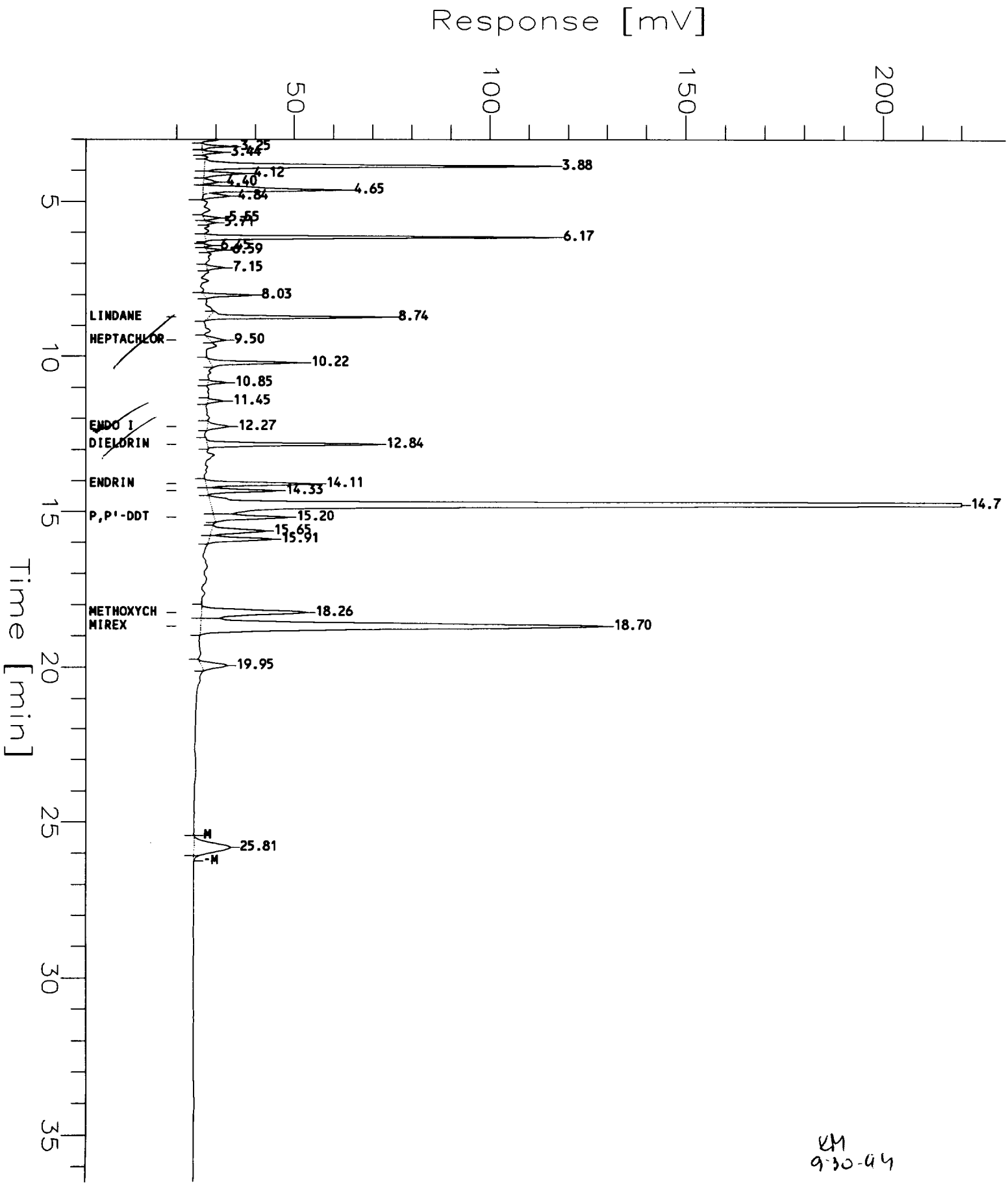
# Chromatogram

Sample Name : PE PR713
FileName : C:\2700\DATA2\1AL_034.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 34
Date : 9/29/94 12:02 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : PE PR713 Time : 9/29/94 02:13 PM
Sample Number: 34 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:04 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_034.raw
Result File : C:\2700\DATA2\1AL_034.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 10 | 6.17 | TCMX | 0.0915 | 430323 | 90981 | TCMX | 2.3507e7 |
| 17 | 10.22 | ALDRIN | 0.0306 | 132050 | 23230 | ALDRIN | 2.1596e7 |
| ~~19~~ | ~~11.45~~ | ~~HEPT.EPOXIDE~~ | ~~-0.0001~~ | ~~20821~~ | ~~4039~~ | ~~HEPT.EPO~~ | ~~-1.2234e9~~ |
| ~~20~~ | ~~12.27~~ | ~~a-CHLORDANE~~ | ~~0.0052~~ | ~~43268~~ | ~~5337~~ | ~~a-CHLORD~~ | ~~4.1674e7~~ |
| 21 | 12.84 | p,p'-DDE | 0.0801 | 253996 | 44163 | p,p'-DDE | 1.5862e7 |
| 24 | 14.77 | ENDO II | 1.3293 | 3468068 | 481876 | ENDO II | 1.3044e7 |
| ~~26~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~0.0436~~ | ~~118395~~ | ~~13493~~ | ~~ENDRIN A~~ | ~~1.3591e7~~ |
| 27 | 15.91 | END SULFATE | 0.0389 | 120707 | 16105 | END SULF | 1.5529e7 |
| 31 | 25.81 | DCLB | 0.0382 | 180391 | 9185 | DCLB | 2.3603e7 |
| | | | 1.6572 | 4768017 | 688410 | | -1.0550e9 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| g-CHLORDANE | 11.855 |

CM
9-30-94

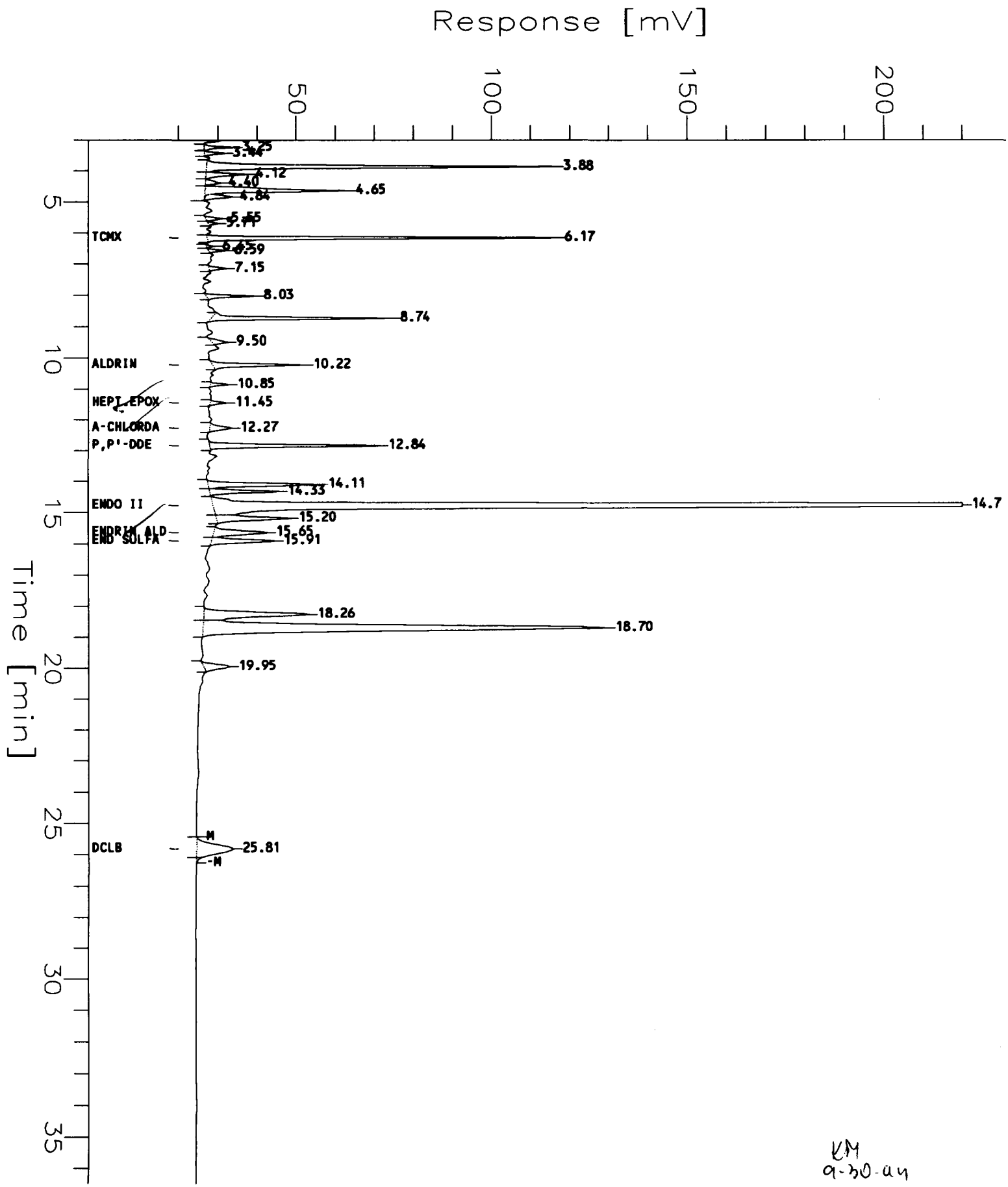
# Chromatogram

Sample Name : PE PR713
FileName : C:\2700\DATA2\1AL_034.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 34
Date : 9/29/94 02:13 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : PE PR713 Time : 9/29/94 01:38 PM
Sample Number: 35 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:47 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_035.raw
Result File : C:\2700\DATA2\2AL_035.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

SECONDARY COLUM

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 16 | 9.09 | LINDANE | 0.0476 | 182289 | 36391 | MIREX | 1.9135e7 |
| 25 | 14.63 | ENDRIN | 0.0584 | 262808 | 39625 | MIREX | 2.2487e7 |
| 26 | 14.86 | p,p'-DDD | 0.0326 | 127866 | 19623 | MIREX | 1.9608e7 |
| 28 | 15.98 | p,p'-DDT | 0.0599 | 285217 | 34800 | MIREX | 2.3791e7 |
| 29 | 17.77 | METHOXYCHLOR | 0.1236 | 318450 | 34524 | MIREX | 1.2885e7 |
| 30 | 20.22 | MIREX | 0.0000 | 990372 | 77863 | MIREX | ------- |
| | | | 0.3222 | 2167002 | 242826 | | 9.7907e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |

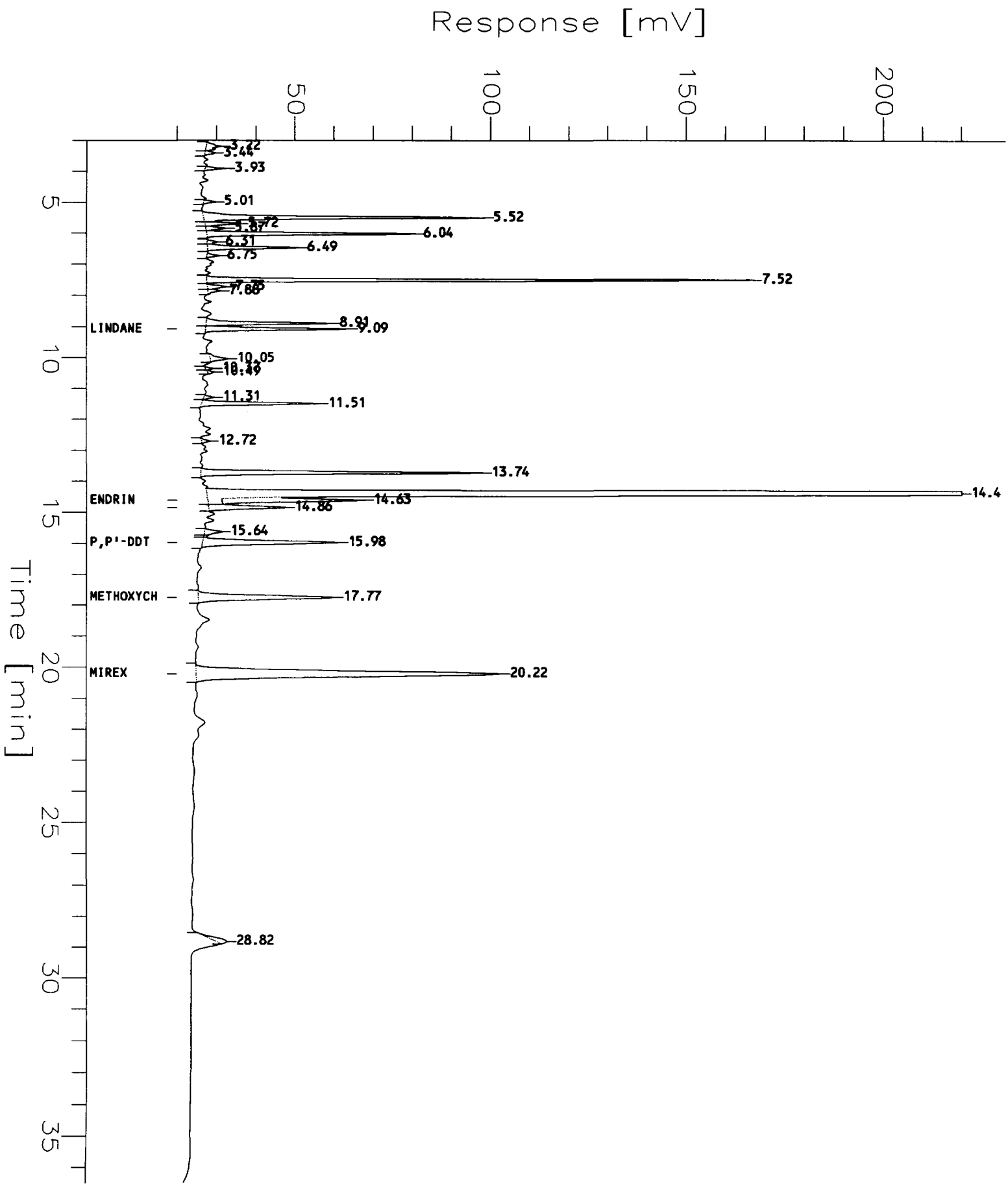
# Chromatogram

Sample Name : PE PR713
FileName : C:\2700\DATA2\2AL_035.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 35
Date : 9/29/94 01:38 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : PE PR713 Time : 10/4/94 08:52 AM
Sample Number: 35 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 03:47 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_035.raw
Result File : C:\2700\DATA2\2AL_035.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 12 | 7.52 | TCMX | 0.0962 | 688348 | 142518 | MIREX | 3.5796e7 |
| ~~16~~ | ~~9.09~~ | ~~b-BHC~~ | ~~0.0793~~ | ~~182289~~ | ~~36391~~ | ~~MIREX~~ | ~~1.1493e7~~ |
| 21 | 11.51 | ALDRIN | 0.0353 | 165542 | 30463 | MIREX | 2.3448e7 |
| ~~22~~ | ~~12.72~~ | ~~g-CHLORDANE~~ | ~~-0.0017~~ | ~~10421~~ | ~~1956~~ | ~~MIREX~~ | ~~-3.0387e7~~ |
| 23 | 13.74 | p,p'-DDE | 0.0736 | 392767 | 70267 | MIREX | 2.6682e7 |
| 25 | 14.63 | ENDO II | 0.0610 | 112846 | 23942 | MIREX | 9.2433e6 |
| ~~27~~ | ~~15.64~~ | ~~ENDRIN ALD~~ | ~~0.0122~~ | ~~30664~~ | ~~4298~~ | ~~MIREX~~ | ~~1.2613e7~~ |
| 28 | 15.98 | END SULFATE | 0.0911 | 285217 | 34800 | MIREX | 1.5653e7 |
| ~~29~~ | ~~17.77~~ | ~~ENDRIN KETON~~ | ~~0.2232~~ | ~~318450~~ | ~~34524~~ | ~~MIREX~~ | ~~7.1350e6~~ |
| 30 | 20.22 | MIREX | 0.0000 | 990372 | 77863 | MIREX | ------- |
| 31 | 28.82 | DCLB | 0.0083 | 40364 | 2630 | MIREX | 2.4222e7 |
| | | | 0.6784 | 3217278 | 459651 | | 1.3589e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.524 |
| HEPT.EPOXIDE | 12.404 |
| a-CHLORDANE | 13.371 |

KM
10-04-94

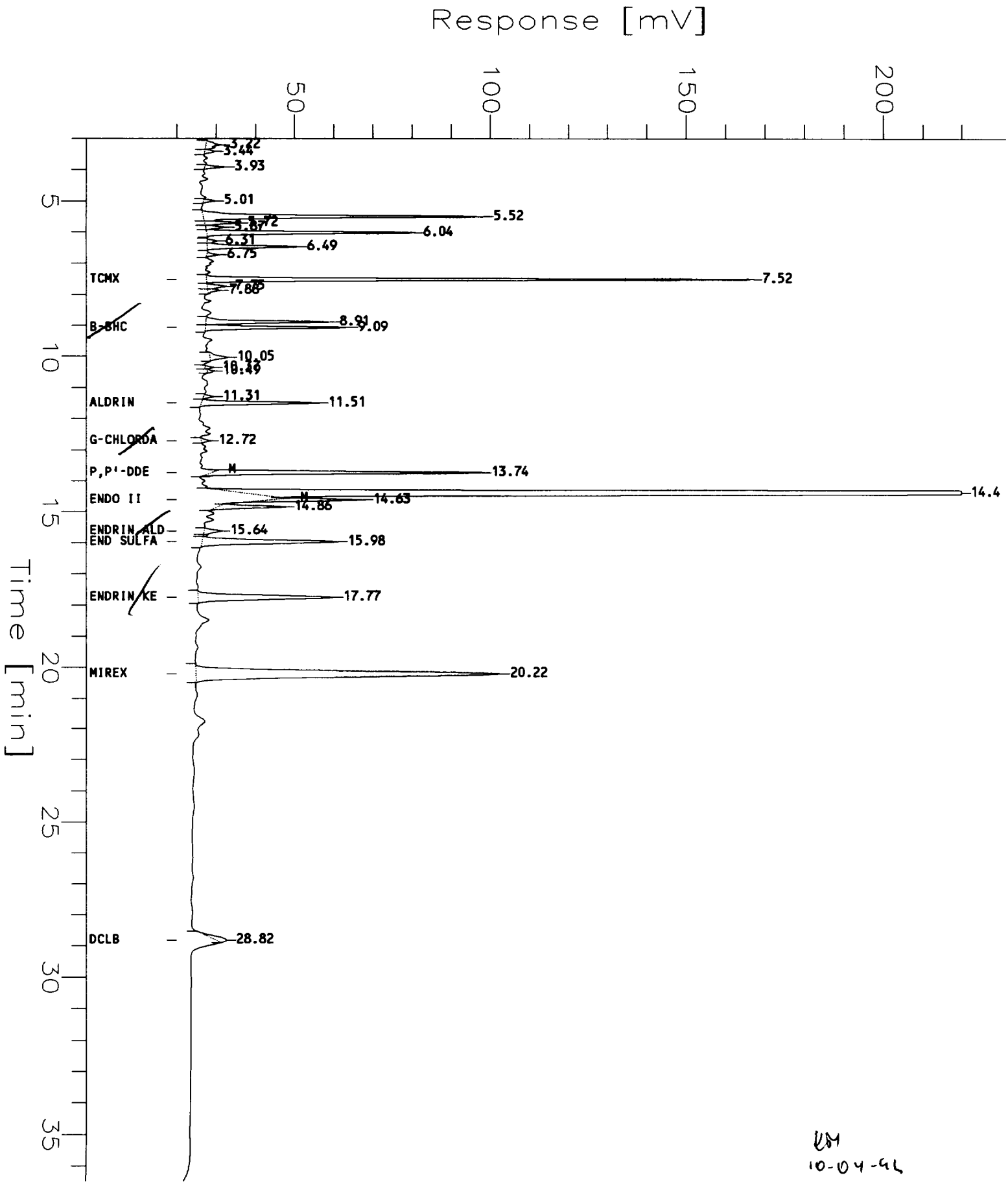
# Chromatogram

Sample Name : PE PR713
FileName : C:\2700\DATA2\2AL_035.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 35
Date : 10/4/94 08:52 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



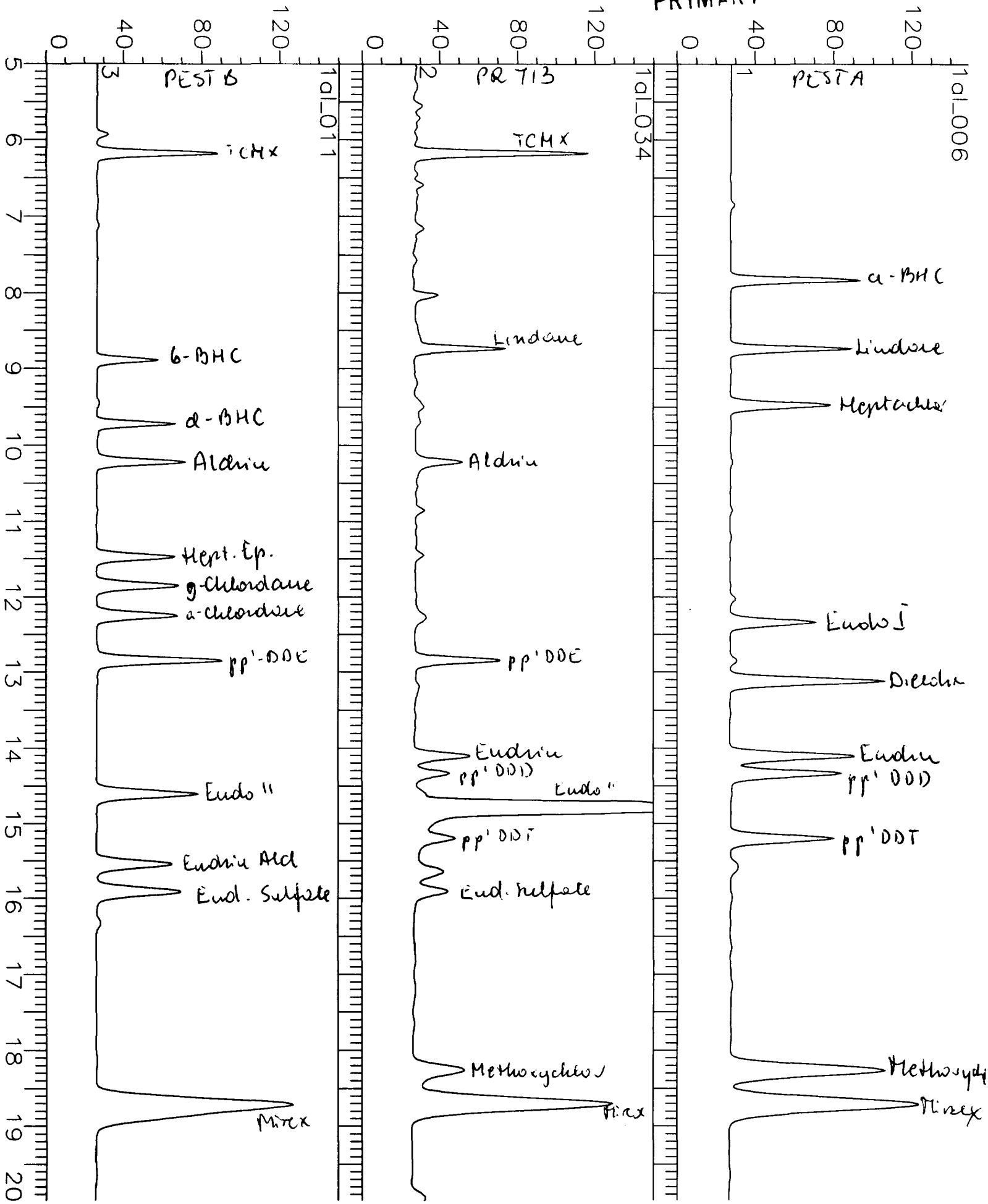
High Point : 220.00 mV




KM
10-04-94

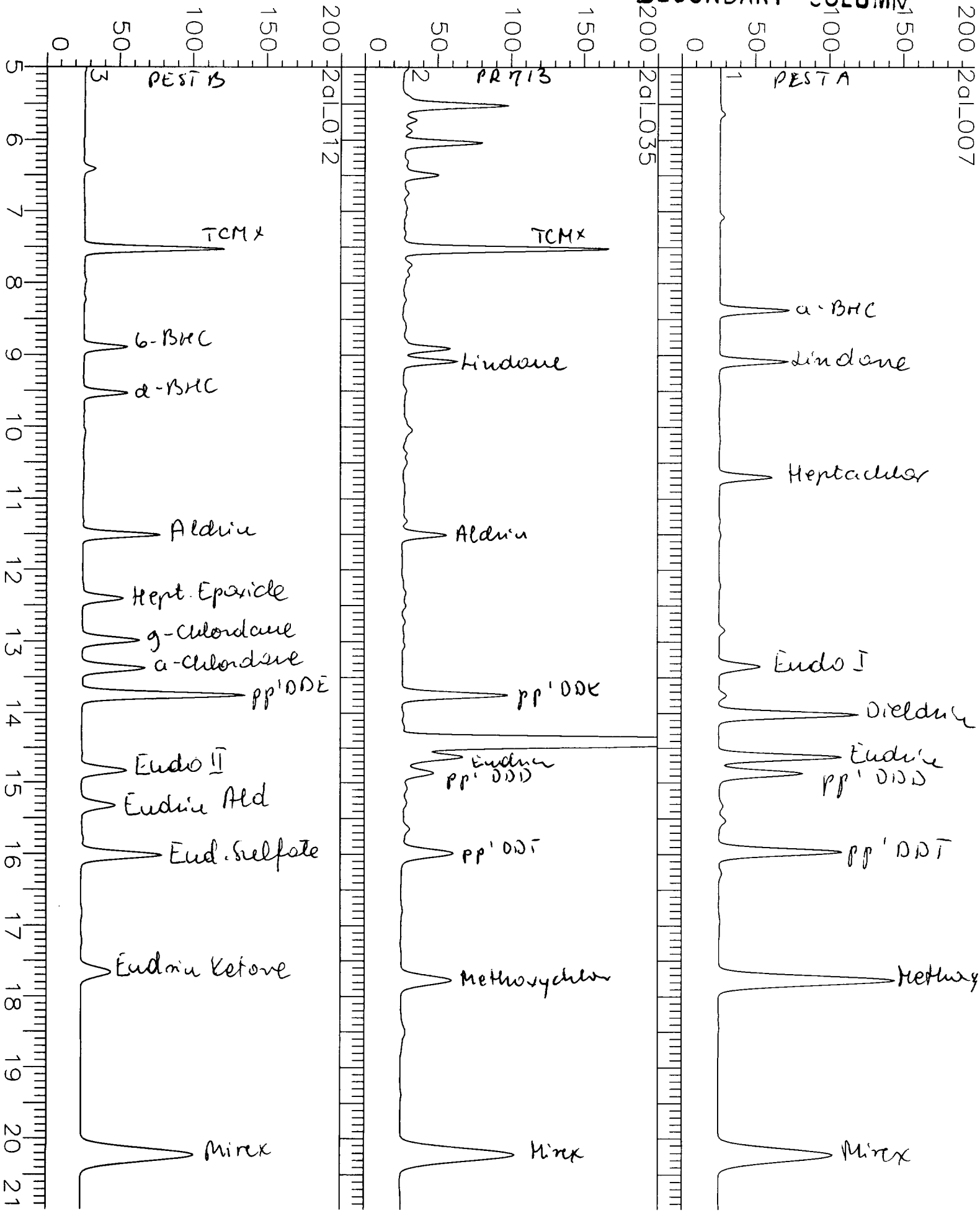
COMPARISON CHROMATOGRAMS

PRIMARY COLUMN



COMPARISON CHROMATOGRAMS

SECONDARY COLUMN



# PART V

## Sample Data

A. Reports and Chromatograms
   (i) Primary
   (ii) Secondary

B. Comparison Chromatograms
   (i) Primary
   (ii) Secondary

Software Version: 3.1 <2A23>

Sample Name : 94ZB19R07 | Time : 10/1/94 09:35 AM
Sample Number: 23 | Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A | Channel : A | A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:11 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_023.raw
Result File : C:\2700\DATA2\1AL_023.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

PRIMARY COLUMN

Inj. Volume : 1 ul | Area Reject : 1000.00
Sample Amount : 1.0000 | Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 12 | 18.69 | MIREX | 0.0000 | 1297726 | 105787 | MIREX | ------- |
| | | | 0.0000 | 1297726 | 105787 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| LINDANE | 8.737 |
| HEPTACHLOR | 9.472 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

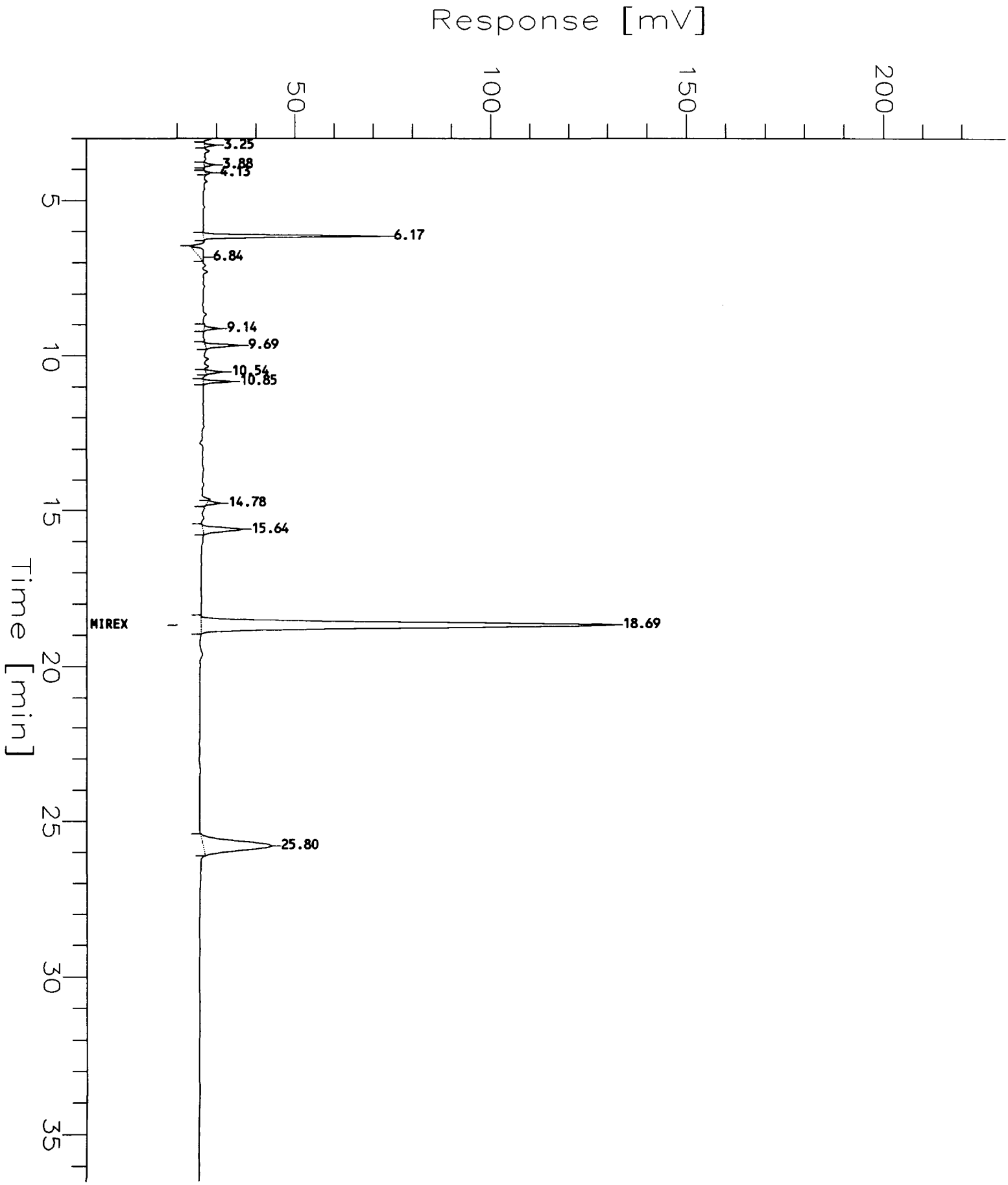
# Chromatogram

Sample Name : 94ZB19R07
FileName : C:\2700\DATA2\1AL_023.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 23
Date : 10/1/94 09:35 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19R07 Time : 10/1/94 09:22 AM
Sample Number: 23 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:11 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_023.raw
Result File : C:\2700\DATA2\1AL_023.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 4 | 6.17 | TCMX | 0.0451 | 224613 | 46598 | TCMX | 2.4879e7 |
| ~~7~~ | ~~9.69~~ | ~~d-BHC~~ | ~~0.0138~~ | ~~48009~~ | ~~8567~~ | ~~d-BHC~~ | ~~1.7364e7~~ |
| ~~10~~ | ~~14.78~~ | ~~ENDO II~~ | ~~-0.0082~~ | ~~16478~~ | ~~3183~~ | ~~ENDO II~~ | ~~-1.0069e7~~ |
| ~~11~~ | ~~15.64~~ | ~~ENDRIN ALD~~ | ~~0.0282~~ | ~~87384~~ | ~~9962~~ | ~~ENDRIN A~~ | ~~1.5487e7~~ |
| 13 | 25.80 | DCLB | 0.0733 | 345822 | 17334 | DCLB | 2.3603e7 |
| | | | 0.1523 | 722306 | 85644 | | 7.1265e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| ALDRIN | 10.219 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| END SULFATE | 15.912 |

KM
10-01-94

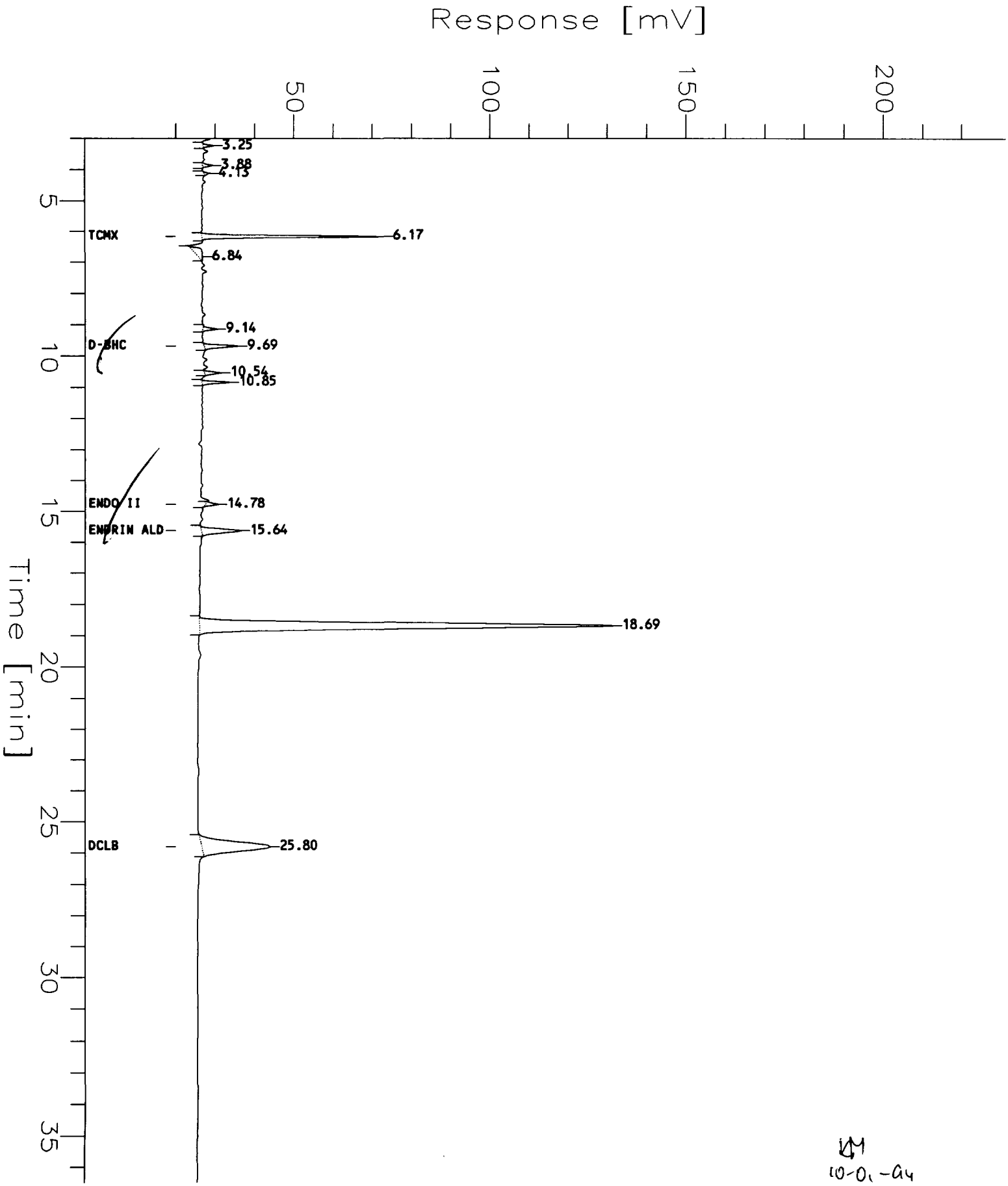
# Chromatogram

Sample Name : 94ZB19R07
FileName : C:\2700\DATA2\1AL_023.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 23
Date : 10/1/94 09:22 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




10-01-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19R07 Time : 10/1/94 09:23 AM
Sample Number: 24 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:54 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_024.raw SECONDARY COLUM
Result File : C:\2700\DATA2\2AL_024.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 9 | 20.19 | MIREX | 0.0000 | 1096968 | 85308 | MIREX | ------- |
| | | | 0.0000 | 1096968 | 85308 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

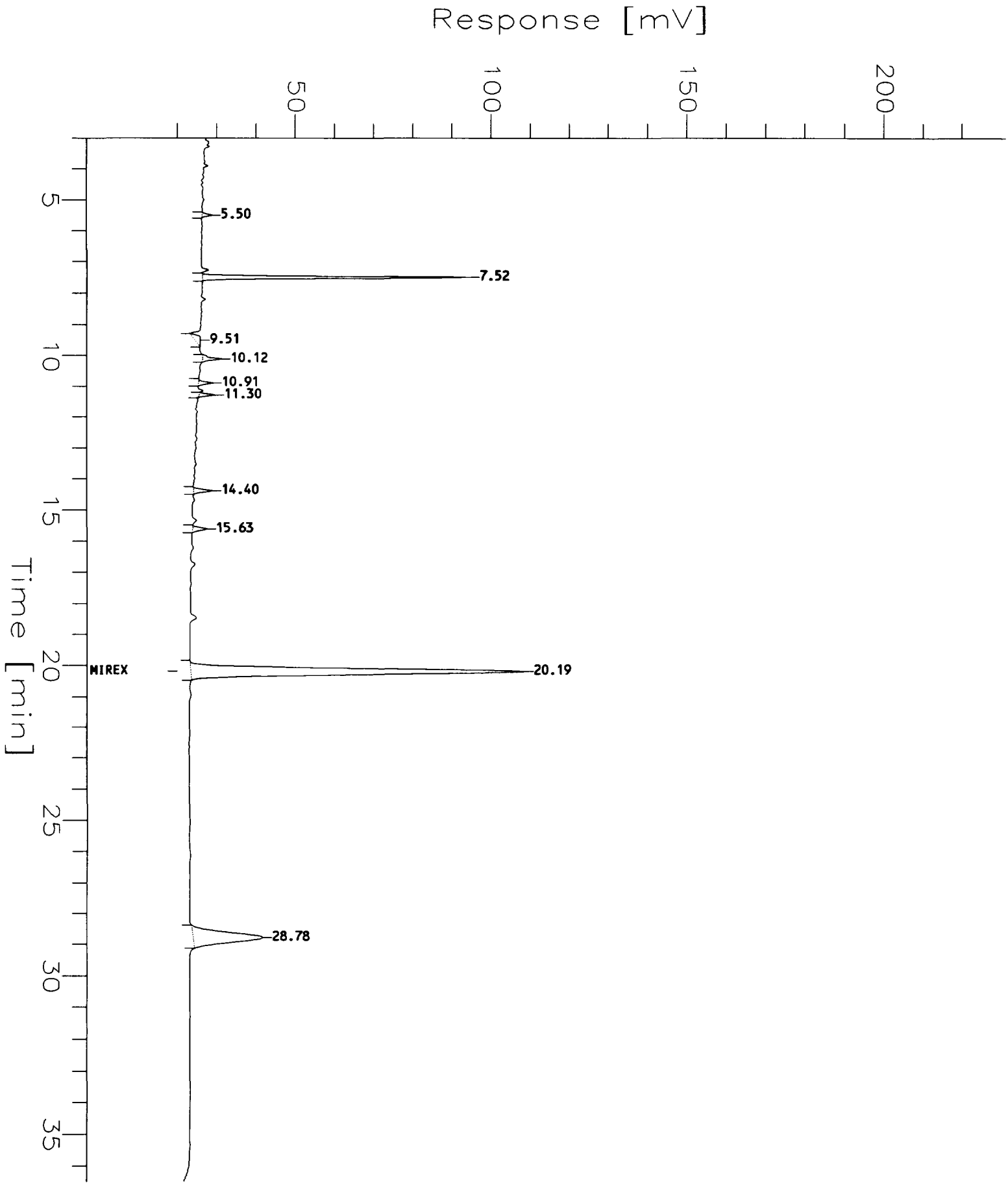
# Chromatogram

Sample Name : 94ZB19R07
FileName : C:\2700\DATA2\2AL_024.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 24
Date : 10/1/94 09:23 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19R07 Time : 10/1/94 09:35 AM
Sample Number: 24 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:54 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_024.raw
Result File : C:\2700\DATA2\2AL_024.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.52 | TCMX | 0.0438 | 323437 | 68346 | MIREX | 3.6965e7 |
| ~~3~~ | ~~9.51~~ | ~~d-BHC~~ | ~~0.0078~~ | ~~27652~~ | ~~1349~~ | ~~MIREX~~ | ~~1.7737e7~~ |
| ~~6~~ | ~~11.30~~ | ~~ALDRIN~~ | ~~0.0031~~ | ~~18516~~ | ~~3837~~ | ~~MIREX~~ | ~~2.9921e7~~ |
| ~~8~~ | ~~15.63~~ | ~~ENDRIN ALD~~ | ~~0.0059~~ | ~~23301~~ | ~~3523~~ | ~~MIREX~~ | ~~1.9888e7~~ |
| 9 | 20.19 | MIREX | 0.0000 | 1096968 | 85308 | MIREX | ------- |
| 10 | 28.78 | DCLB | 0.0784 | 379606 | 17688 | MIREX | 2.4222e7 |
| | | | 0.1389 | 1869480 | 180051 | | 1.2873e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.887 |
| HEPT.EPOXIDE | 12.404 |
| g-CHLORDANE | 12.983 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |

KM
10-01-94

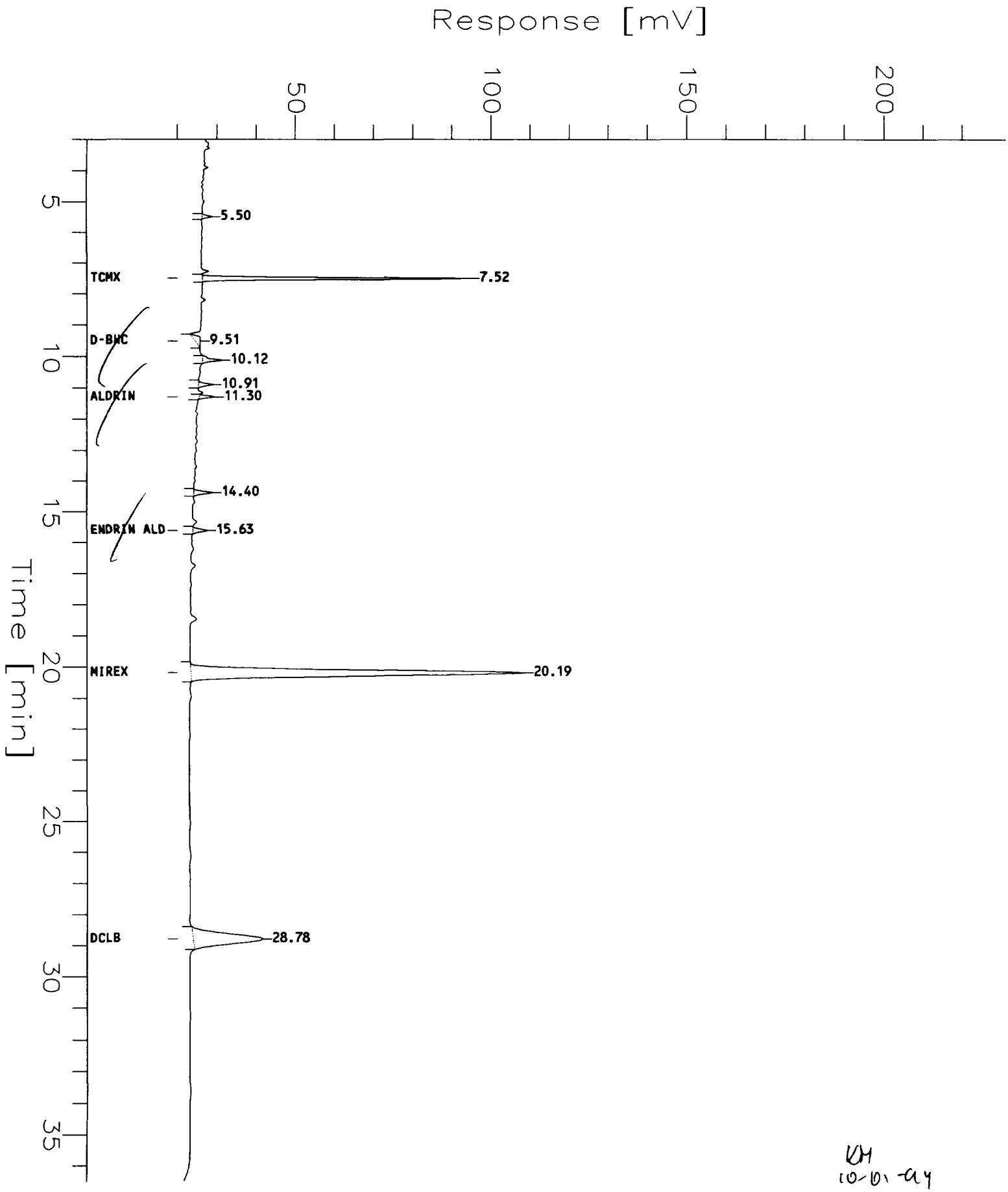
# Chromatogram

Sample Name : 94ZB19R07
FileName : C:\2700\DATA2\2AL_024.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 24
Date : 10/1/94 09:35 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-01-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S01 Time : 9/29/94 10:26 AM
Sample Number: 24 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:55 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_024.raw
Result File : C:\2700\DATA2\1AL_024.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

PRIMARY COLUMN

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 18 | 18.71 | MIREX | 0.0000 | 1111575 | 91949 | MIREX | ------- |
| | | | 0.0000 | 1111575 | 91949 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| LINDANE | 8.737 |
| HEPTACHLOR | 9.472 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

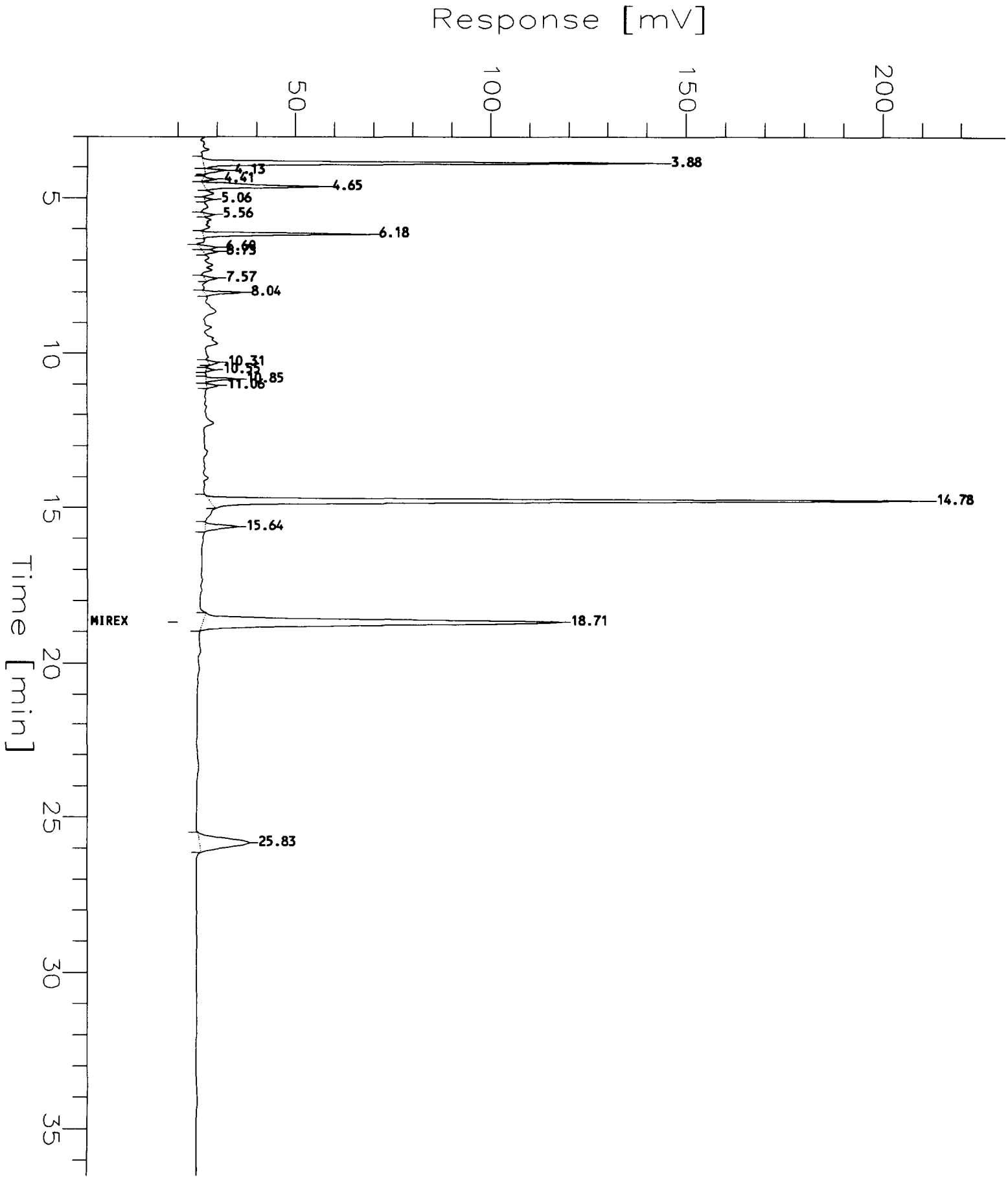
# Chromatogram

Sample Name : 94ZB19S01
FileName : C:\2700\DATA2\1AL_024.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 24
Date : 9/29/94 10:26 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S01 Time : 9/29/94 09:53 AM
Sample Number: 24 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 07:55 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_024.raw
Result File : C:\2700\DATA2\1AL_024.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 7 | 6.18 | TCMX | 0.0400 | 201896 | 42957 | TCMX | 2.5226e7 |
| ~~12~~ | ~~10.31~~ | ~~ALDRIN~~ | ~~0.0004~~ | ~~14898~~ | ~~2528~~ | ~~ALDRIN~~ | ~~1.9737e8~~ |
| ~~16~~ | ~~14.78~~ | ~~ENDO II~~ | ~~0.4843~~ | ~~1287467~~ | ~~183293~~ | ~~ENDO II~~ | ~~1.3291e7~~ |
| ~~17~~ | ~~15.64~~ | ~~ENDRIN ALD~~ | ~~0.0171~~ | ~~64833~~ | ~~8033~~ | ~~ENDRIN A~~ | ~~1.9010e7~~ |
| 19 | 25.83 | DCLB | 0.0516 | 243404 | 12642 | DCLB | 2.3603e7 |
| | | | 0.5933 | 1812498 | 249452 | | 2.7851e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| END SULFATE | 15.912 |

KM
9-30-94

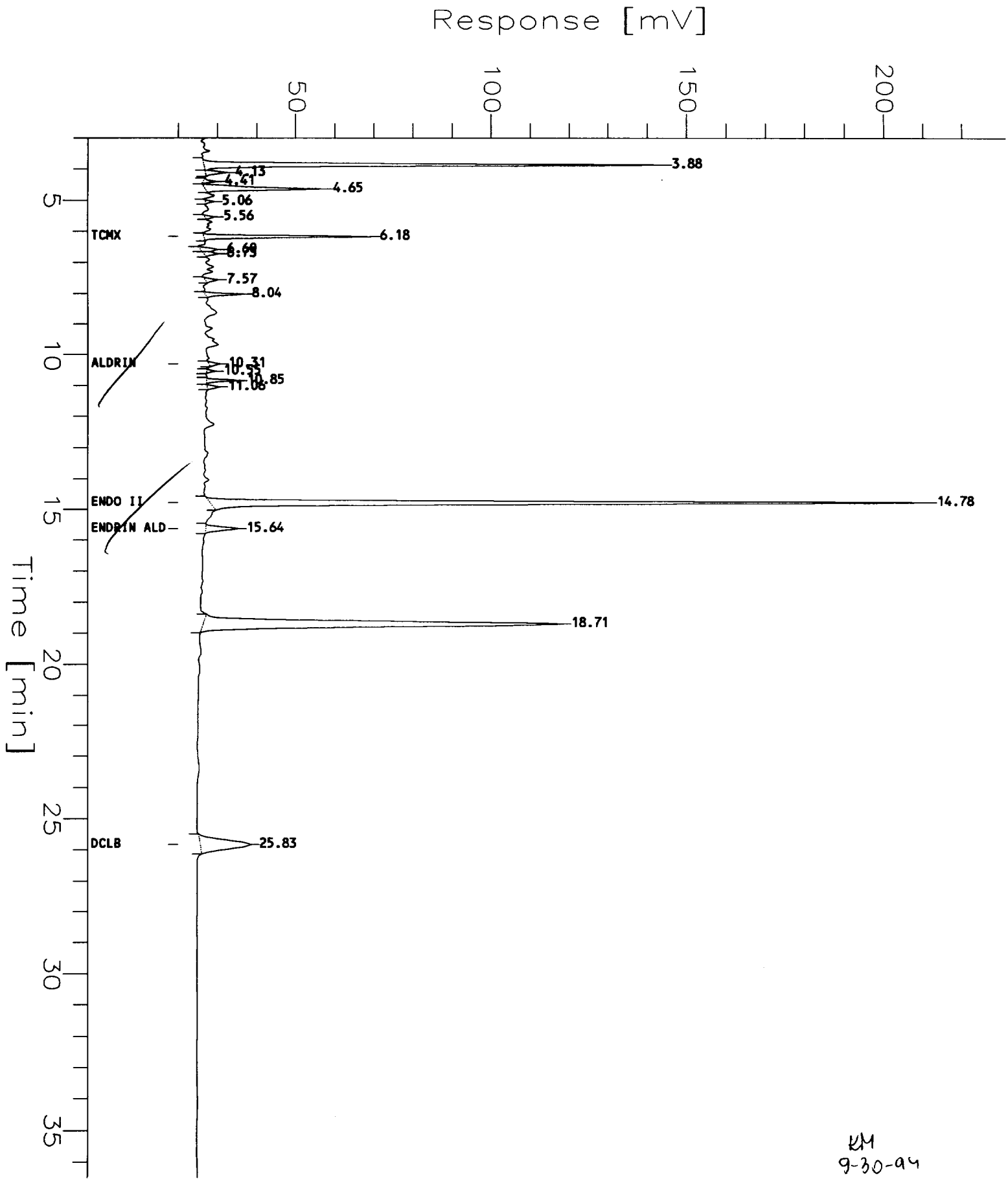
# Chromatogram

Sample Name : 94ZB19S01
FileName : C:\2700\DATA2\1AL_024.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 24
Date : 9/29/94 09:53 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S01 Time : 9/29/94 12:15 PM
Sample Number: 25 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 08:38 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_025.raw
Result File : C:\2700\DATA2\2AL_025.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 15 | 20.23 | MIREX | 0.0000 | 913098 | 71107 | MIREX | ------- |
| | | | 0.0000 | 913098 | 71107 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

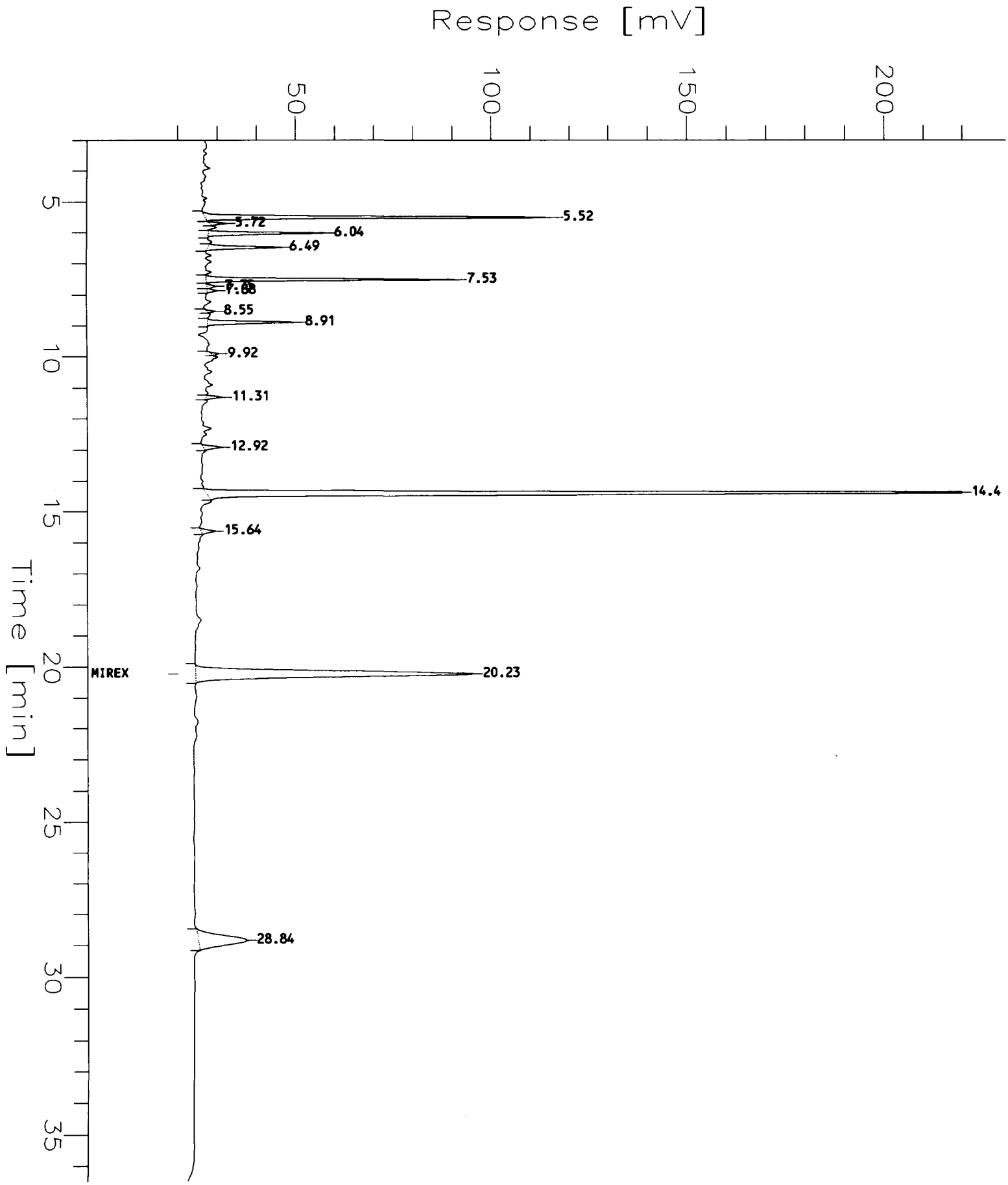
# Chromatogram

Sample Name : 94ZB19S01
FileName : C:\2700\DATA2\2AL_025.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 25
Date : 9/29/94 12:15 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S01 Time : 9/29/94 11:17 AM
Sample Number: 25 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 08:38 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_025.raw
Result File : C:\2700\DATA2\2AL_025.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 5 | 7.53 | TCMX | 0.0425 | 315012 | 65479 | MIREX | 3.7026e7 |
| ~~9~~ | ~~8.91~~ | ~~b-BHC~~ | ~~0.0478~~ | ~~116984~~ | ~~22927~~ | ~~MIREX~~ | ~~1.2228e7~~ |
| ~~11~~ | ~~11.31~~ | ~~ALDRIN~~ | ~~0.0032~~ | ~~19193~~ | ~~4133~~ | ~~MIREX~~ | ~~2.9597e7~~ |
| ~~12~~ | ~~12.92~~ | ~~g-CHLORDANE~~ | ~~0.0029~~ | ~~27086~~ | ~~4472~~ | ~~MIREX~~ | ~~4.6519e7~~ |
| ~~14~~ | ~~15.64~~ | ~~ENDRIN ALD~~ | ~~0.0036~~ | ~~20685~~ | ~~3285~~ | ~~MIREX~~ | ~~2.8567e7~~ |
| 15 | 20.23 | MIREX | 0.0000 | 913098 | 71107 | MIREX | ------- |
| 16 | 28.84 | DCLB | 0.0523 | 253226 | 12364 | MIREX | 2.4222e7 |
| | | | 0.1524 | 1665283 | 183766 | | 1.7816e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.524 |
| HEPT.EPOXIDE | 12.404 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |

KM
9-30-94

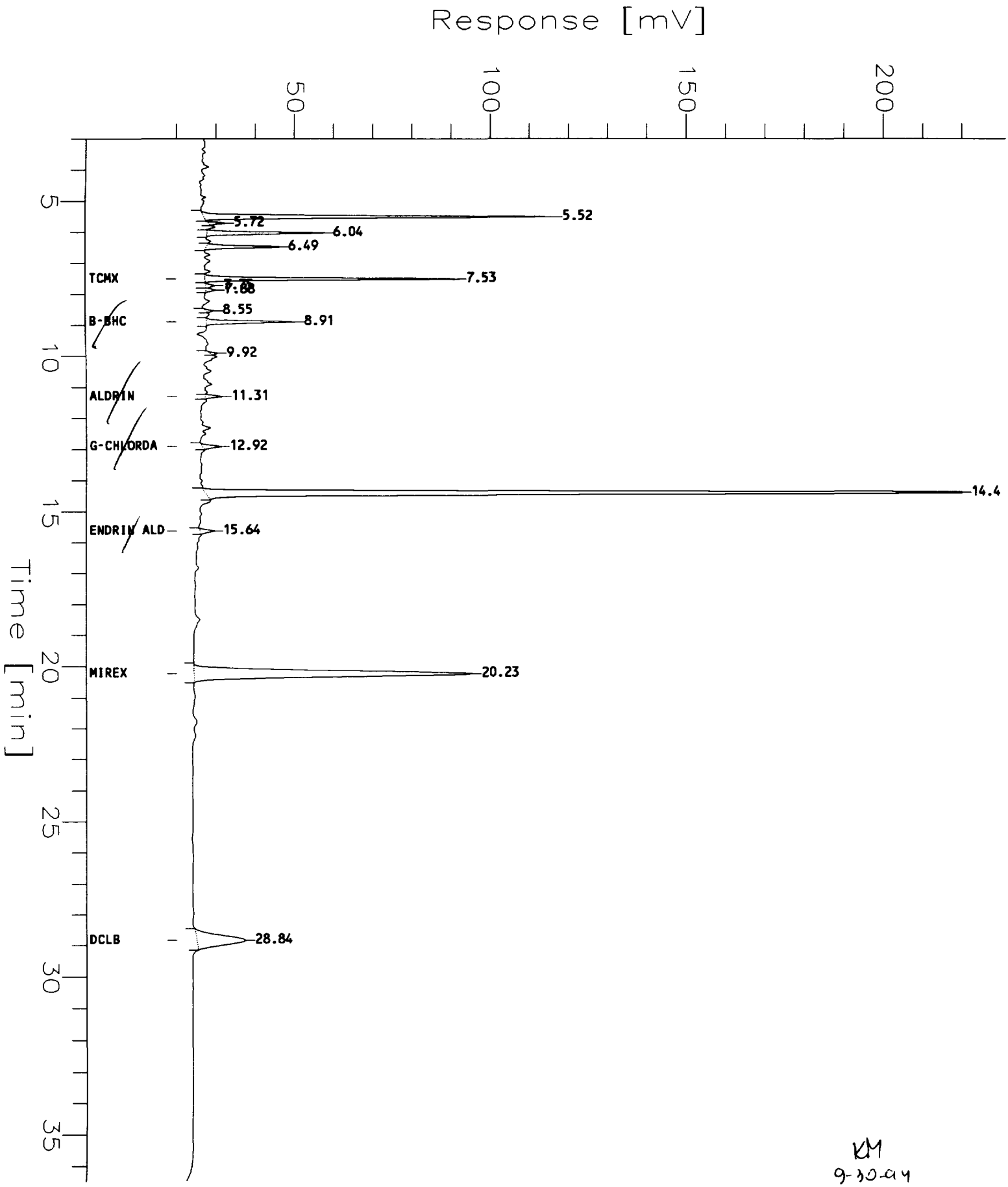
# Chromatogram

Sample Name : 94ZB19S01
FileName : C:\2700\DATA2\2AL_025.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 25
Date : 9/29/94 11:17 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S02 Time : 9/29/94 10:26 AM
Sample Number: 25 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 08:38 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_025.raw
Result File : C:\2700\DATA2\1AL_025.rst
Instrument File: C:\2700\DATA2\1AL.ins PRIMARY COLUMN
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~16~~ | ~~8.62~~ | ~~LINDANE~~ | ~~0.0036~~ | ~~45821~~ | ~~6510~~ | ~~MIREX~~ | ~~6.3188e7~~ |
| 21 | 18.71 | MIREX | 0.0000 | 1149624 | 96449 | MIREX | ------- |
| | | | 0.0036 | 1195445 | 102958 | | 6.3188e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| HEPTACHLOR | 9.472 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

KM
9-30-94

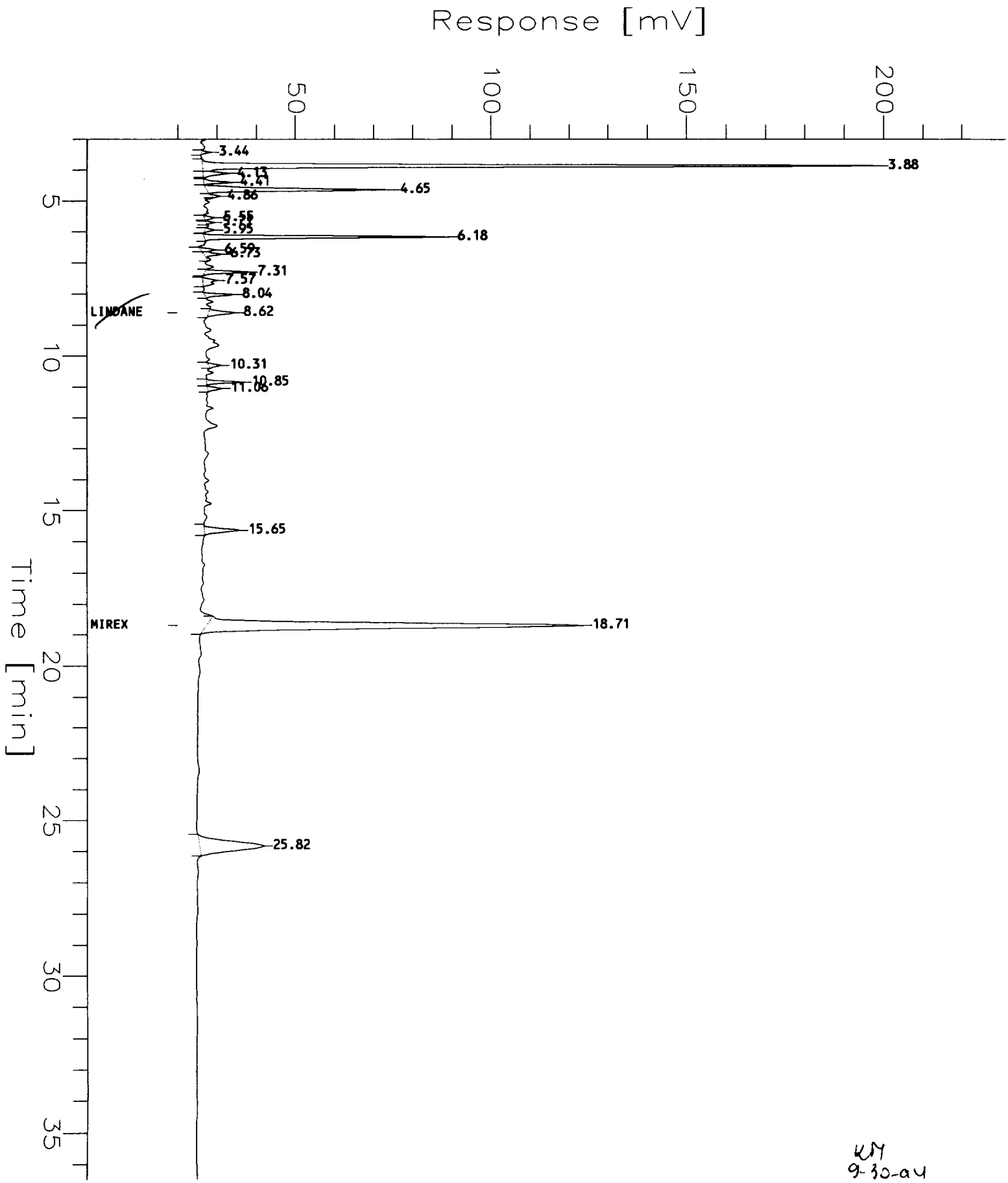
# Chromatogram

Sample Name : 94ZB19S02
FileName : C:\2700\DATA2\1AL_025.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 25
Date : 9/29/94 10:26 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S02 Time : 9/29/94 09:53 AM
Sample Number: 25 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 08:38 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_025.raw
Result File : C:\2700\DATA2\1AL_025.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

## EXTERNAL STANDARD TABLE

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 10 | 6.18 | TCMX | 0.0621 | 299870 | 63332 | TCMX | 2.4139e7 |
| ~~17~~ | ~~10.31~~ | ~~ALDRIN~~ | ~~0.0010~~ | ~~16828~~ | ~~2939~~ | ~~ALDRIN~~ | ~~8.6141e7~~ |
| ~~20~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~0.0209~~ | ~~72643~~ | ~~8759~~ | ~~ENDRIN A~~ | ~~1.7365e7~~ |
| 22 | 25.82 | DCLB | 0.0676 | 319213 | 16211 | DCLB | 2.3603e7 |
| | | | 0.1516 | 708554 | 91240 | | 1.5124e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| ENDO II | 14.603 |
| END SULFATE | 15.912 |

KM
9-30-94

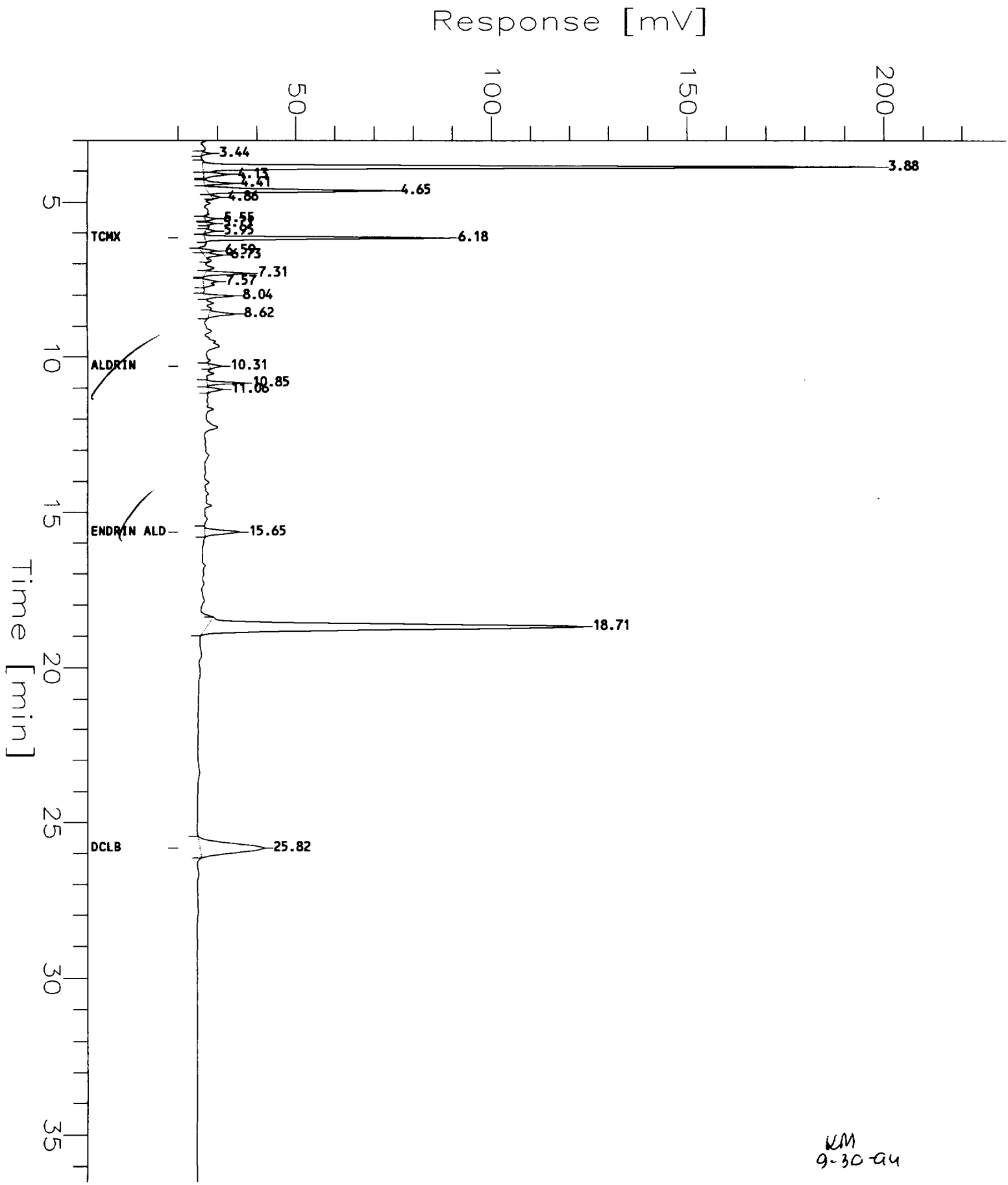
# Chromatogram

Sample Name : 94ZB19S02
FileName : C:\2700\DATA2\1AL_025.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 25
Date : 9/29/94 09:53 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S02 Time : 9/29/94 12:15 PM
Sample Number: 26 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 09:21 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_026.raw
Result File : C:\2700\DATA2\2AL_026.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 18 | 20.23 | MIREX | 0.0000 | 958734 | 75185 | MIREX | ------- |
| | | | 0.0000 | 958734 | 75185 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

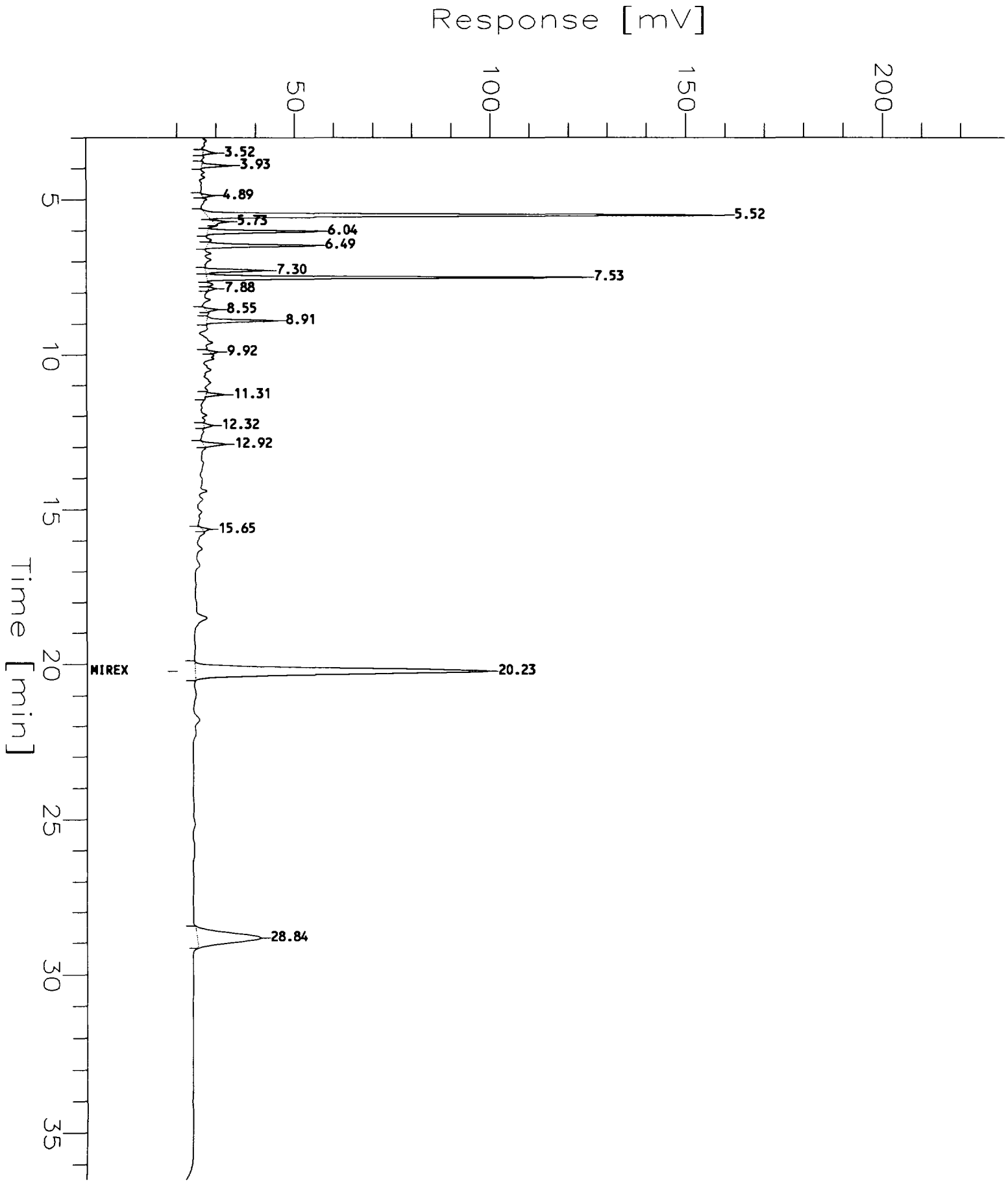
# Chromatogram

Sample Name : 94ZB19S02
FileName : C:\2700\DATA2\2AL_026.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 26
Date : 9/29/94 12:15 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S02 Time : 9/29/94 11:17 AM
Sample Number: 26 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 09:21 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_026.raw
Result File : C:\2700\DATA2\2AL_026.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

## EXTERNAL STANDARD TABLE

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 9 | 7.53 | TCMX | 0.0654 | 474055 | 98960 | MIREX | 3.6255e7 |
| ~~12~~ | ~~8.91~~ | ~~b-BHC~~ | ~~0.0366~~ | ~~93707~~ | ~~18080~~ | ~~MIREX~~ | ~~1.2795e7~~ |
| ~~14~~ | ~~11.31~~ | ~~ALDRIN~~ | ~~0.0035~~ | ~~20447~~ | ~~4514~~ | ~~MIREX~~ | ~~2.9068e7~~ |
| ~~15~~ | ~~12.32~~ | ~~HEPT.EPOXIDE~~ | ~~-0.0014~~ | ~~11596~~ | ~~2043~~ | ~~MIREX~~ | ~~-4.1719e7~~ |
| ~~16~~ | ~~12.92~~ | ~~g-CHLORDANE~~ | ~~0.0049~~ | ~~34264~~ | ~~5576~~ | ~~MIREX~~ | ~~3.4936e7~~ |
| ~~17~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~-0.0057~~ | ~~9849~~ | ~~1680~~ | ~~MIREX~~ | ~~-8.7203e6~~ |
| 18 | 20.23 | MIREX | 0.0000 | 958734 | 75185 | MIREX | ------- |
| 19 | 28.84 | DCLB | 0.0701 | 339469 | 16254 | MIREX | 2.4222e7 |
| | | | 0.1735 | 1942121 | 222292 | | 8.6839e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.524 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |

KM
9-30-94

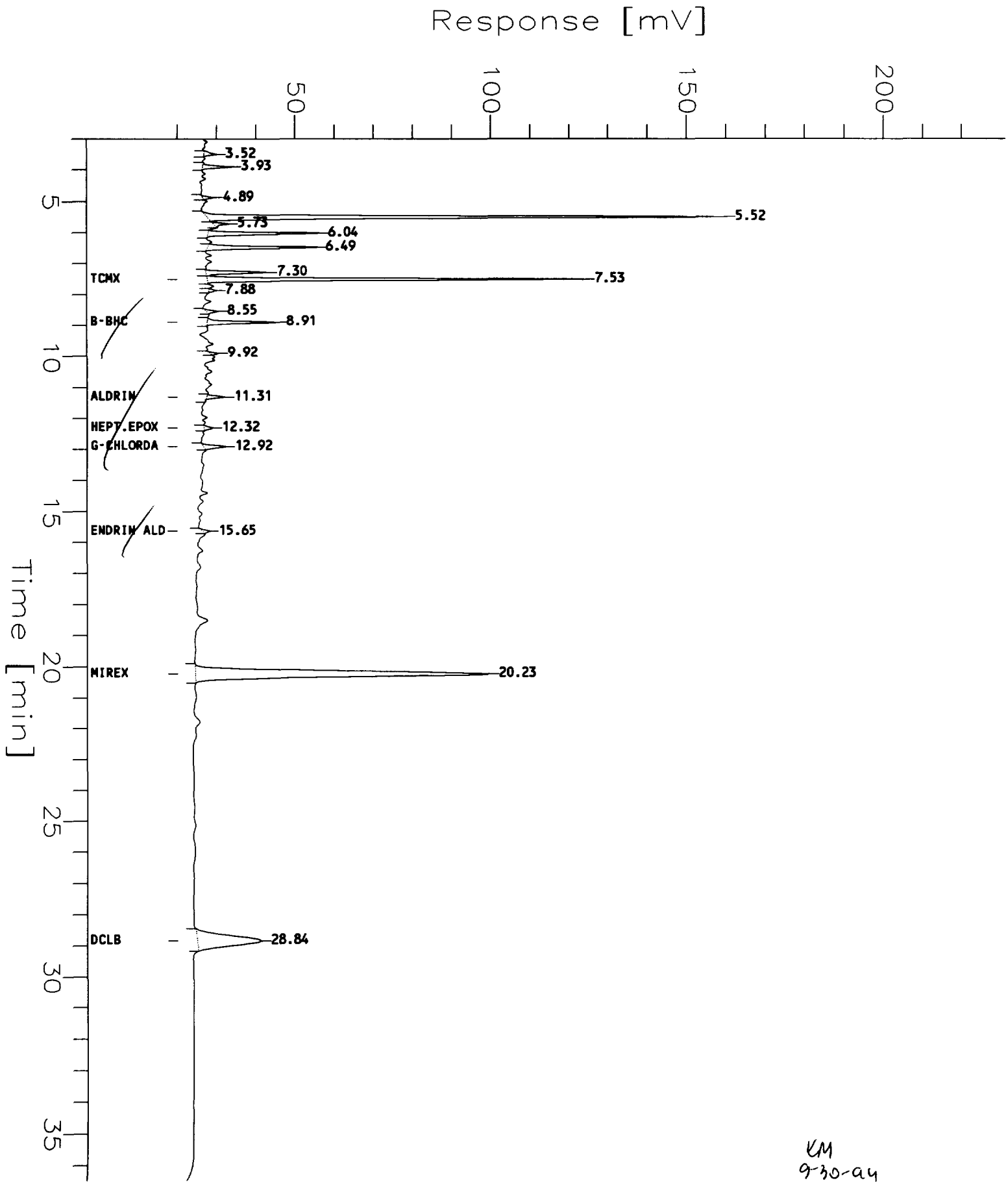
# Chromatogram

Sample Name : 94ZB19S02
FileName : C:\2700\DATA2\2AL_026.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 26
Date : 9/29/94 11:17 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S03 Time : 10/4/94 04:16 PM
Sample Number: 26 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 09:22 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_026.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_026.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 11 | 18.69 | MIREX | 0.0000 | 1171656 | 96319 | MIREX | ------- |
| | | | 0.0000 | 1171656 | 96319 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| LINDANE | 8.737 |
| HEPTACHLOR | 9.472 |
| ENDO I | 12.334 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

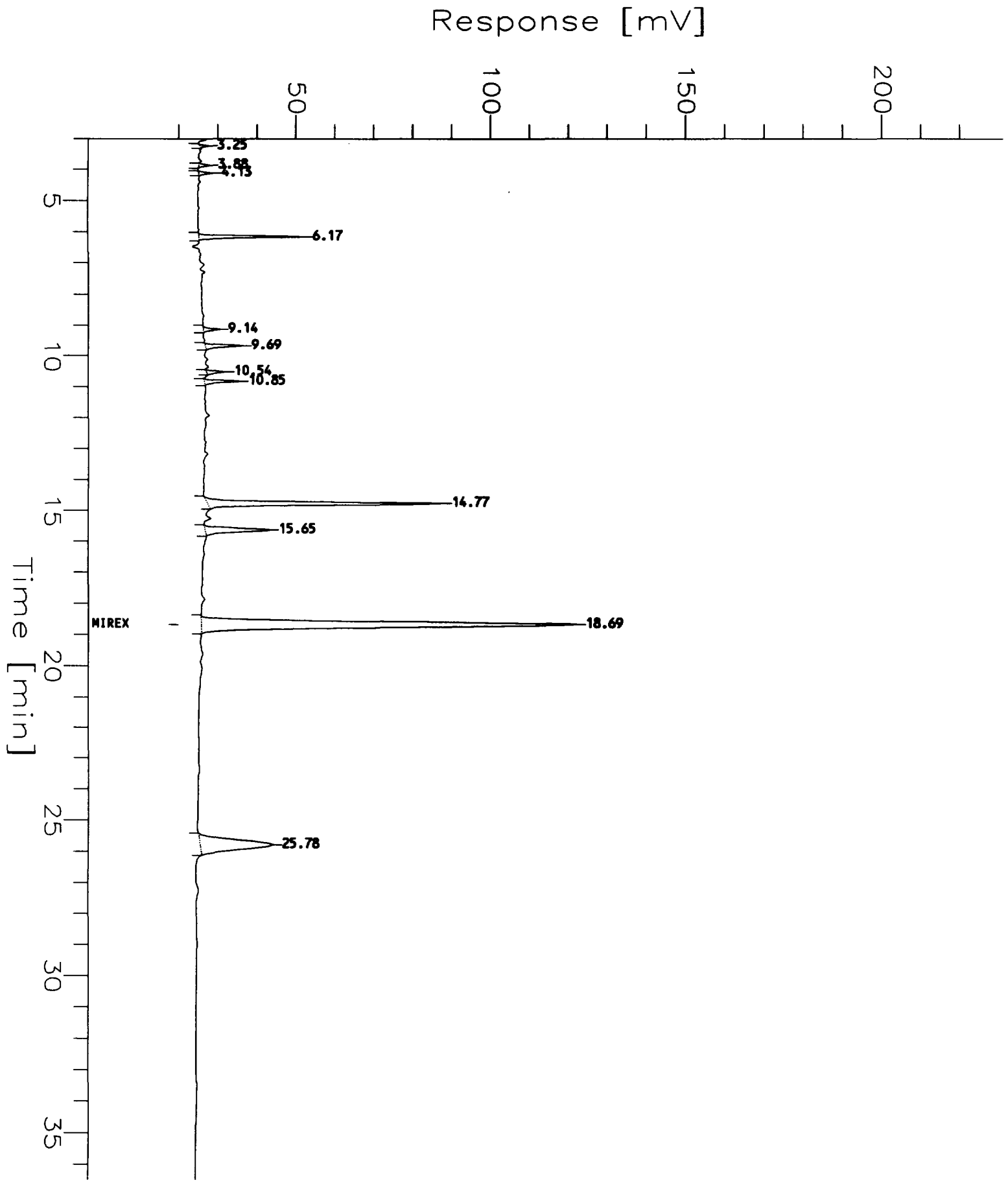
# Chromatogram

Sample Name : 94ZB19S03
FileName : C:\2700\DATA2\1AL_026.raw
Start Time : 3.00 min
End Time : 36.50 min
Scale Factor: 0
Plot Offset: 20 mV

Sample #: 26
Date : 10/4/94 04:16 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>

Sample Name : 94ZB19S03 | Time : 10/4/94 04:14 PM
Sample Number: 26 | Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A | Channel : A | A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 | Data Acquisition Time: 9/27/94 09:22 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_026.raw
Result File : C:\2700\DATA2\1AL_026.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul | Area Reject : 1000.00
Sample Amount : 1.0000 | Dilution Factor : 5.00

## EXTERNAL STANDARD TABLE

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 4 | 6.17 | TCMX | 0.0232 | 127349 | 26932 | TCMX | 2.7439e7 |
| ~~6~~ | ~~9.69~~ | ~~d-BHC~~ | ~~0.0148~~ | ~~50865~~ | ~~9383~~ | ~~d-BHC~~ | ~~1.7170e7~~ |
| ~~9~~ | ~~14.77~~ | ~~ENDO II~~ | ~~0.1513~~ | ~~428138~~ | ~~60503~~ | ~~ENDO II~~ | ~~1.4145e7~~ |
| ~~10~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~0.0542~~ | ~~139900~~ | ~~16386~~ | ~~ENDRIN A~~ | ~~1.2906e7~~ |
| 12 | 25.78 | DCLB | 0.0775 | 365612 | 18463 | DCLB | 2.3603e7 |
| | | | 0.3210 | 1111864 | 131666 | | 9.5266e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| ALDRIN | 10.219 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |
| END SULFATE | 15.912 |

KM
10/04/94

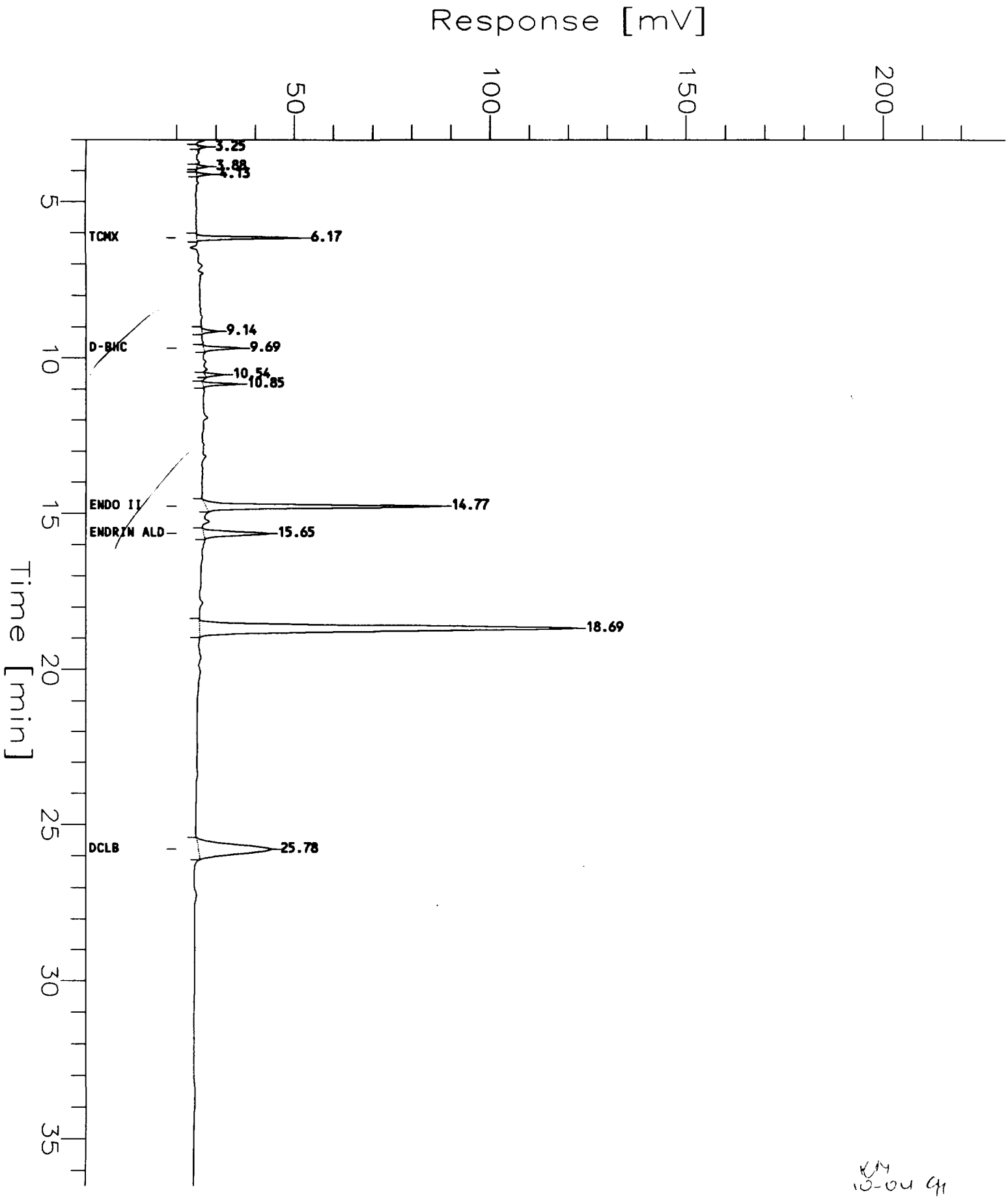
# Chromatogram

Sample Name : 94ZB19S03
FileName : C:\2700\DATA2\1AL_026.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 26
Date : 10/4/94 04:14 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-04-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S03 Time : 10/4/94 04:20 PM
Sample Number: 27 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 09:31 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_027.raw
Result File : C:\2700\DATA2\2AL_027.rst
Instrument File: C:\2700\DATA2\1AL.ins SECONDARY COLUMN
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 11 | 20.21 | MIREX | 0.0000 | 985673 | 77058 | MIREX | ------- |
| | | | 0.0000 | 985673 | 77058 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

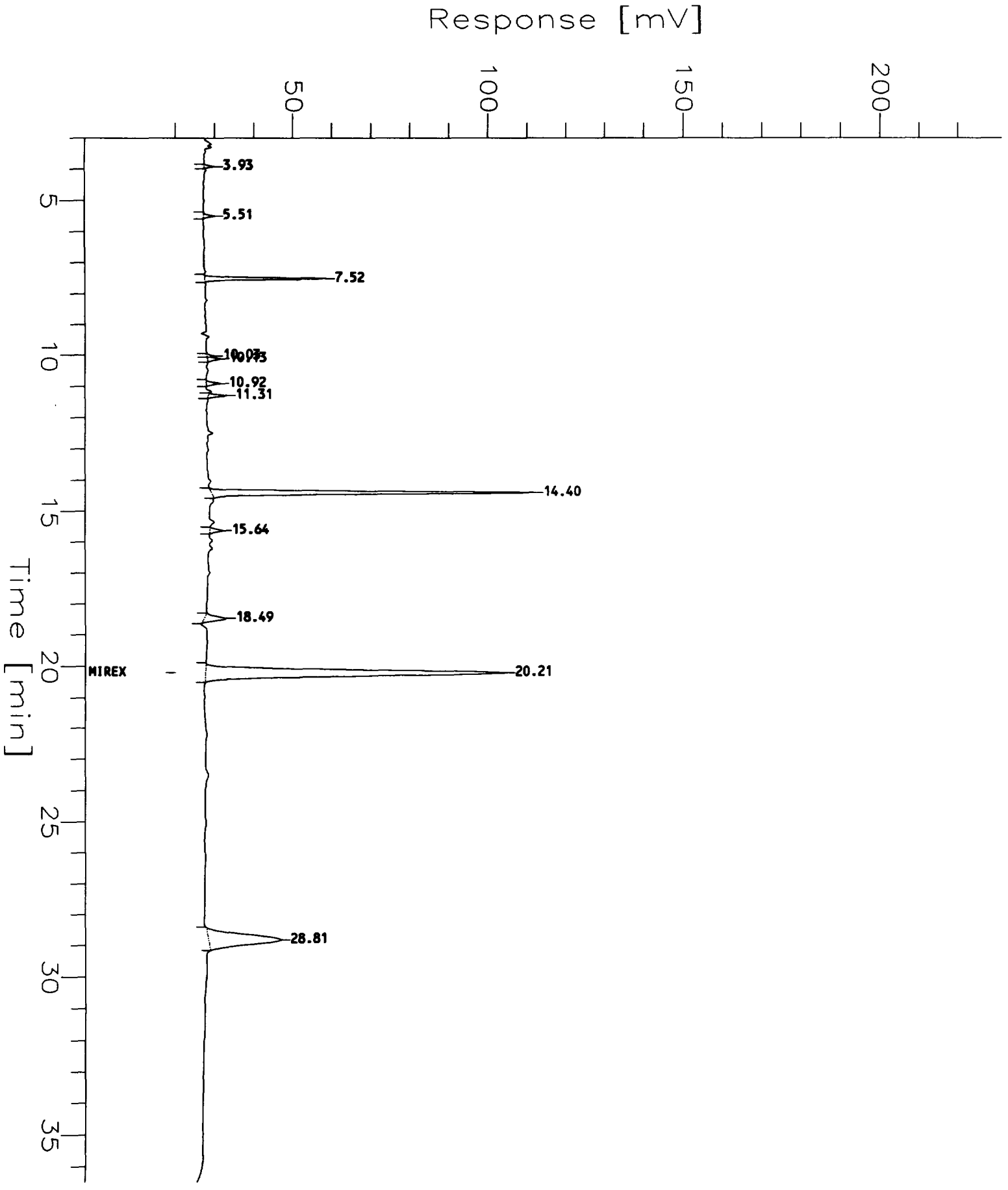
# Chromatogram

Sample Name : 94ZB19S03
FileName : C:\2700\DATA2\2AL_027.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 27
Date : 10/4/94 04:20 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S03 Time : 10/4/94 04:17 PM
Sample Number: 27 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 09:31 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_027.raw
Result File : C:\2700\DATA2\2AL_027.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 7.52 | TCMX | 0.0181 | 144789 | 30919 | MIREX | 4.0009e7 |
| ~~7~~ | ~~11.31~~ | ~~ALDRIN~~ | ~~0.0038~~ | ~~21714~~ | ~~4519~~ | ~~MIREX~~ | ~~2.8611e7~~ |
| ~~9~~ | ~~15.64~~ | ~~ENDRIN ALD~~ | ~~0.0030~~ | ~~19895~~ | ~~3074~~ | ~~MIREX~~ | ~~3.3777e7~~ |
| 11 | 20.21 | MIREX | 0.0000 | 985673 | 77058 | MIREX | ------- |
| 12 | 28.81 | DCLB | 0.0811 | 392798 | 18346 | MIREX | 2.4222e7 |
| | | | 0.1059 | 1564869 | 133914 | | 1.2662e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.887 |
| d-BHC | 9.524 |
| HEPT.EPOXIDE | 12.404 |
| g-CHLORDANE | 12.983 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |

KM
10-04-94

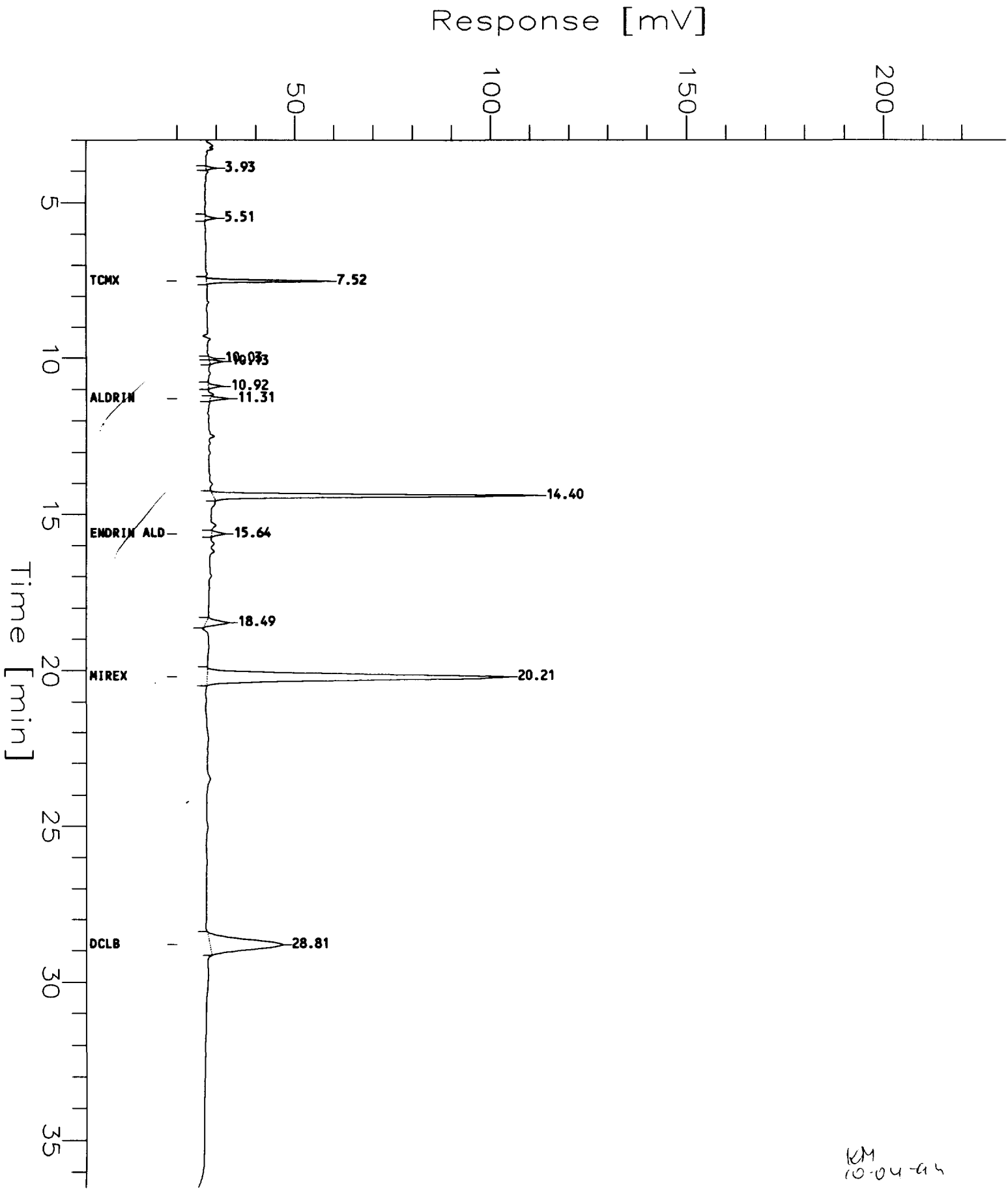
# Chromatogram

Sample Name : 94ZB19S03
FileName : C:\2700\DATA2\2AL_027.raw
Start Time : 3.00 min
Scale Factor: 0
End Time : 36.50 min
Plot Offset: 20 mV

Sample #: 27
Date : 10/4/94 04:17 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-04-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 9/29/94 10:27 AM
Sample Number: 27 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 10:04 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_027.raw
Result File : C:\2700\DATA2\1AL_027.rst PRIMARY COLU''N
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~10~~ | ~~7.74~~ | ~~a-BHC~~ | ~~-0.0005~~ | ~~24736~~ | ~~5393~~ | ~~MIREX~~ | ~~-2.5113e8~~ |
| ~~12~~ | ~~8.69~~ | ~~LINDANE~~ | ~~0.0065~~ | ~~58055~~ | ~~10331~~ | ~~MIREX~~ | ~~4.4882e7~~ |
| ~~15~~ | ~~9.50~~ | ~~HEPTACHLOR~~ | ~~0.0127~~ | ~~85385~~ | ~~14329~~ | ~~MIREX~~ | ~~3.3562e7~~ |
| ~~21~~ | ~~12.28~~ | ~~ENDO I~~ | ~~-0.0017~~ | ~~25329~~ | ~~3187~~ | ~~MIREX~~ | ~~-7.6351e7~~ |
| 24 | 18.71 | MIREX | 0.0000 | 1230569 | 97155 | MIREX | ------- |
| | | | 0.0170 | 1424074 | 130395 | | -2.4904e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

KM
9-30-94

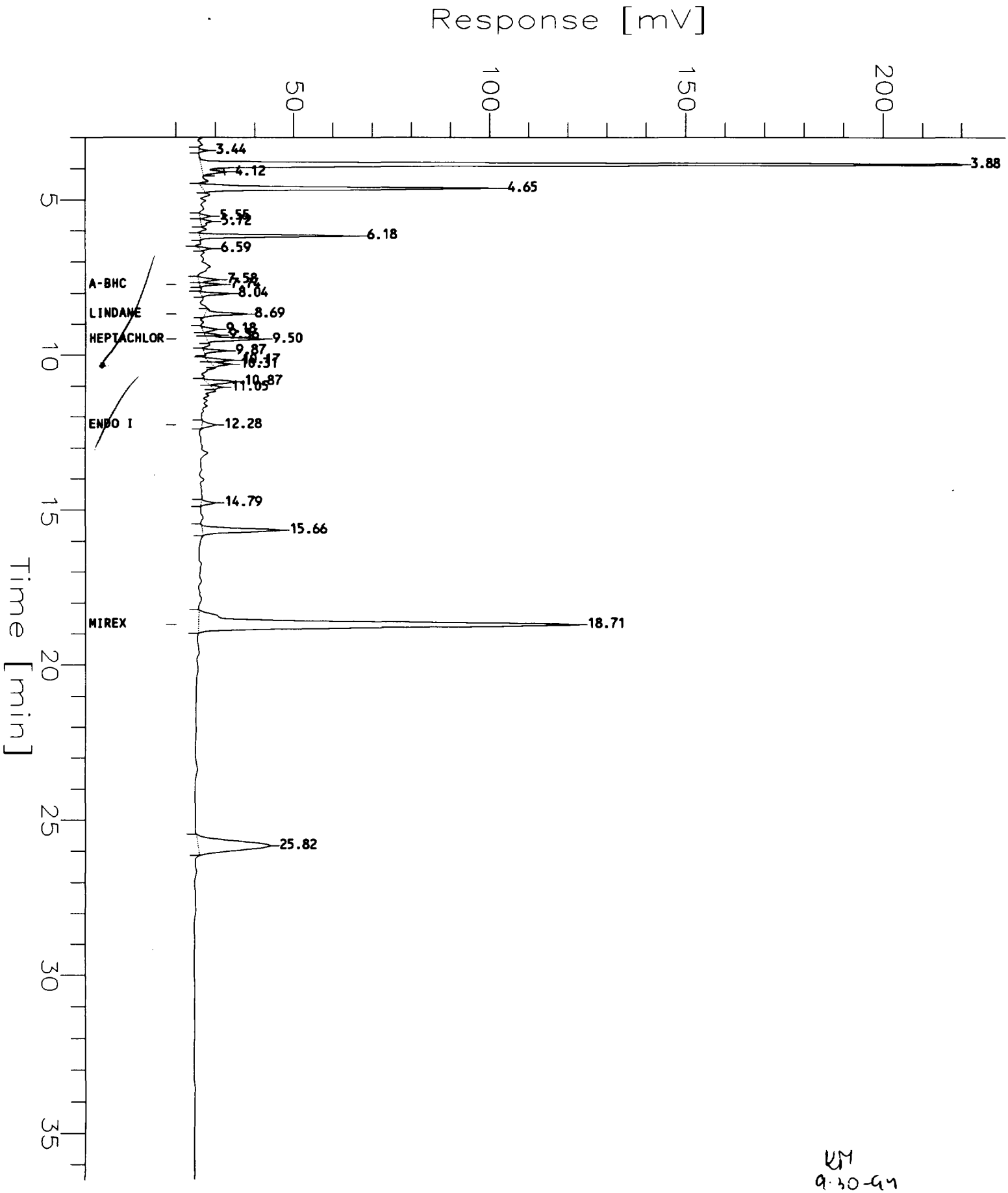
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA2\1AL_027.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 27
Date : 9/29/94 10:27 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 9/29/94 09:54 AM
Sample Number: 27 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 10:04 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_027.raw
Result File : C:\2700\DATA2\1AL_027.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 7 | 6.18 | TCMX | 0.0378 | 192177 | 40871 | TCMX | 2.5403e7 |
| ~~17~~ | ~~10.17~~ | ~~ALDRIN~~ | ~~0.0059~~ | ~~33704~~ | ~~6336~~ | ~~ALDRIN~~ | ~~2.8406e7~~ |
| 21 | ~~12.28~~ | ~~a-CHLORDANE~~ | ~~0.0004~~ | ~~25329~~ | ~~3187~~ | ~~a-CHLORD~~ | ~~3.5753e8~~ |
| ~~23~~ | ~~15.66~~ | ~~ENDRIN ALD~~ | ~~0.0670~~ | ~~165683~~ | ~~19975~~ | ~~ENDRIN A~~ | ~~1.2373e7~~ |
| 25 | 25.82 | DCLB | 0.0768 | 362542 | 18261 | DCLB | 2.3603e7 |
| | | | 0.1879 | 779435 | 88631 | | 4.4732e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| d-BHC | 9.720 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| p,p'-DDE | 12.844 |
| ENDO II | 14.603 |
| END SULFATE | 15.912 |

KM
9-30-94

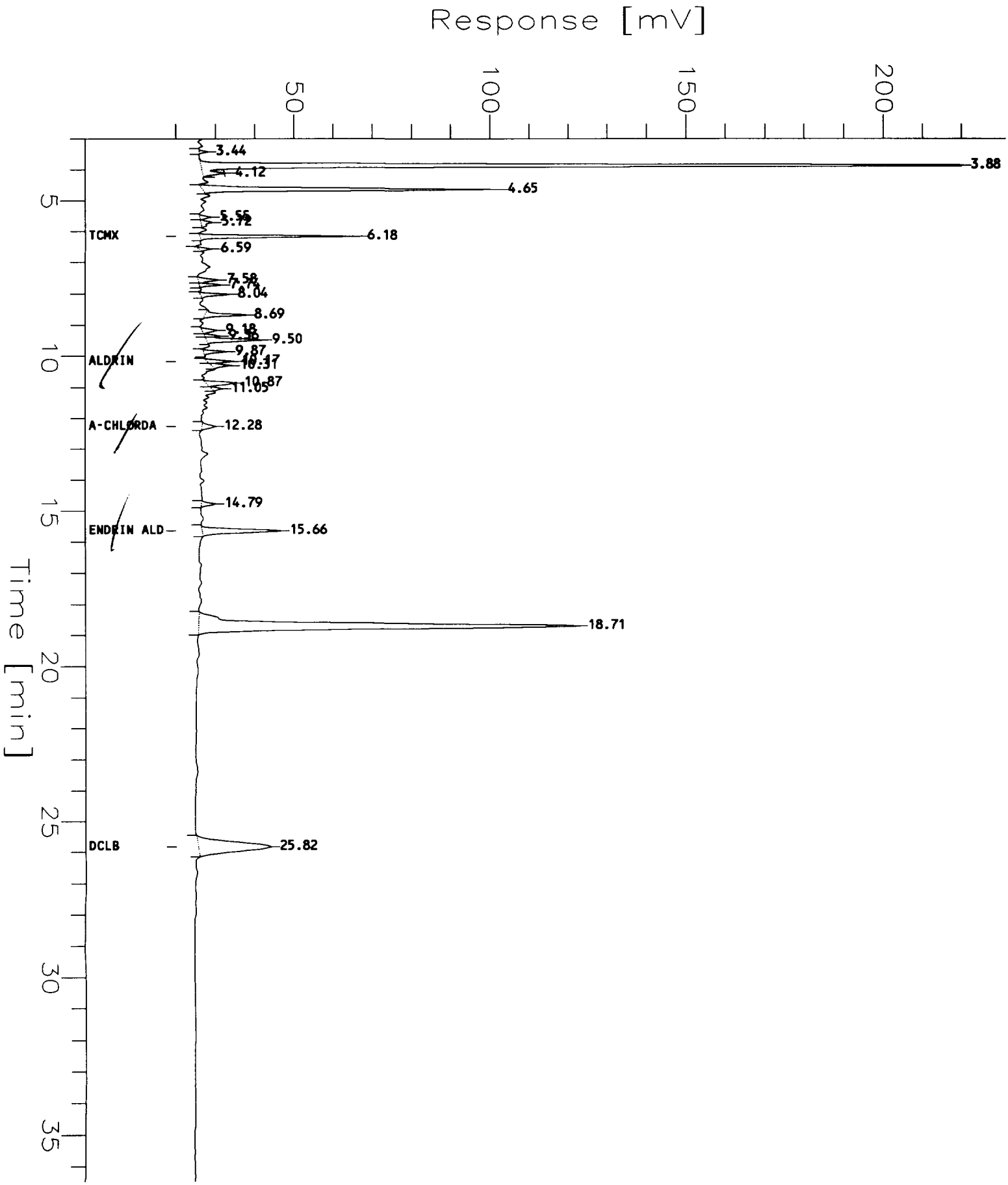
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA2\1AL_027.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 27
Date : 9/29/94 09:54 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 9/29/94 02:36 PM
Sample Number: 27 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 10:04 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_027.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_027.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 12 | 8.69 | 1242-A | -0.1284 | 58055 | 10331 | MIREX | -2.2611e6 |
| 13 | 9.18 | 1242-B | 0.1052 | 23683 | 3545 | MIREX | 1.1252e6 |
| 14 | 9.36 | 1242-C | -0.1391 | 17525 | 3665 | MIREX | -6.2988e5 |
| 15 | 9.50 | 1242-D | -0.0886 | 85385 | 14329 | MIREX | -4.8176e6 |
| 21 | 12.28 | 1242-E | -0.1470 | 25329 | 3187 | MIREX | -8.6160e5 |
| 24 | 18.71 | MIREX | 0.0000 | 1230569 | 97155 | MIREX | ------- |
| | | | -0.3979 | 1440545 | 132211 | | -7.4450e6 |

AU(n=5): 0.042 (calculated manually)

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
10-04-94

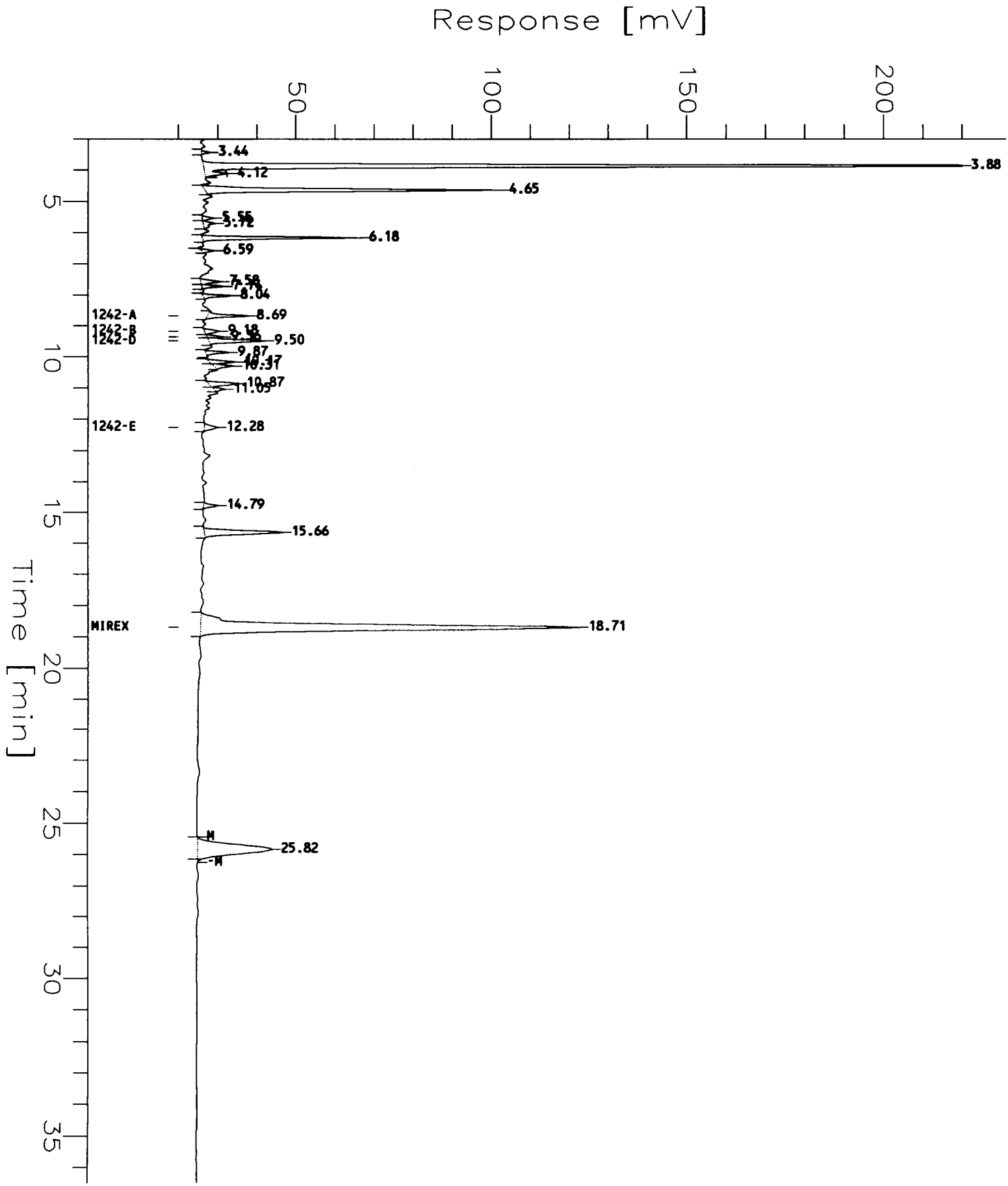
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA2\1AL_027.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 27
Date : 9/29/94 02:36 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05
Sample Number: 28
Operator : KM

Time : 9/29/94 12:16 PM
Study : ALCO STEEL SERVICE

Instrument : EC1 HP5890A
AutoSampler : NONE
Rack/Vial : 0/0

Channel : B A/D mV Range : 1000

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 10:47 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_028.raw
Result File : C:\2700\DATA2\2AL_028.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

SECONDARY COLUMN

Inj. Volume : 1 ul
Sample Amount : 1.0000

Area Reject : 1000.00
Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~8~~ | ~~8.34~~ | ~~a-BHC~~ | ~~0.0064~~ | ~~46745~~ | ~~9441~~ | ~~MIREX~~ | ~~3.6358e7~~ |
| ~~17~~ | ~~10.65~~ | ~~HEPTACHLOR~~ | ~~0.0038~~ | ~~33872~~ | ~~6807~~ | ~~MIREX~~ | ~~4.4950e7~~ |
| 29 | 20.22 | MIREX | 0.0000 | 950242 | 74091 | MIREX | ------- |
| | | | 0.0102 | 1030859 | 90339 | | 8.1309e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| LINDANE | 9.087 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

KM
9-30-94

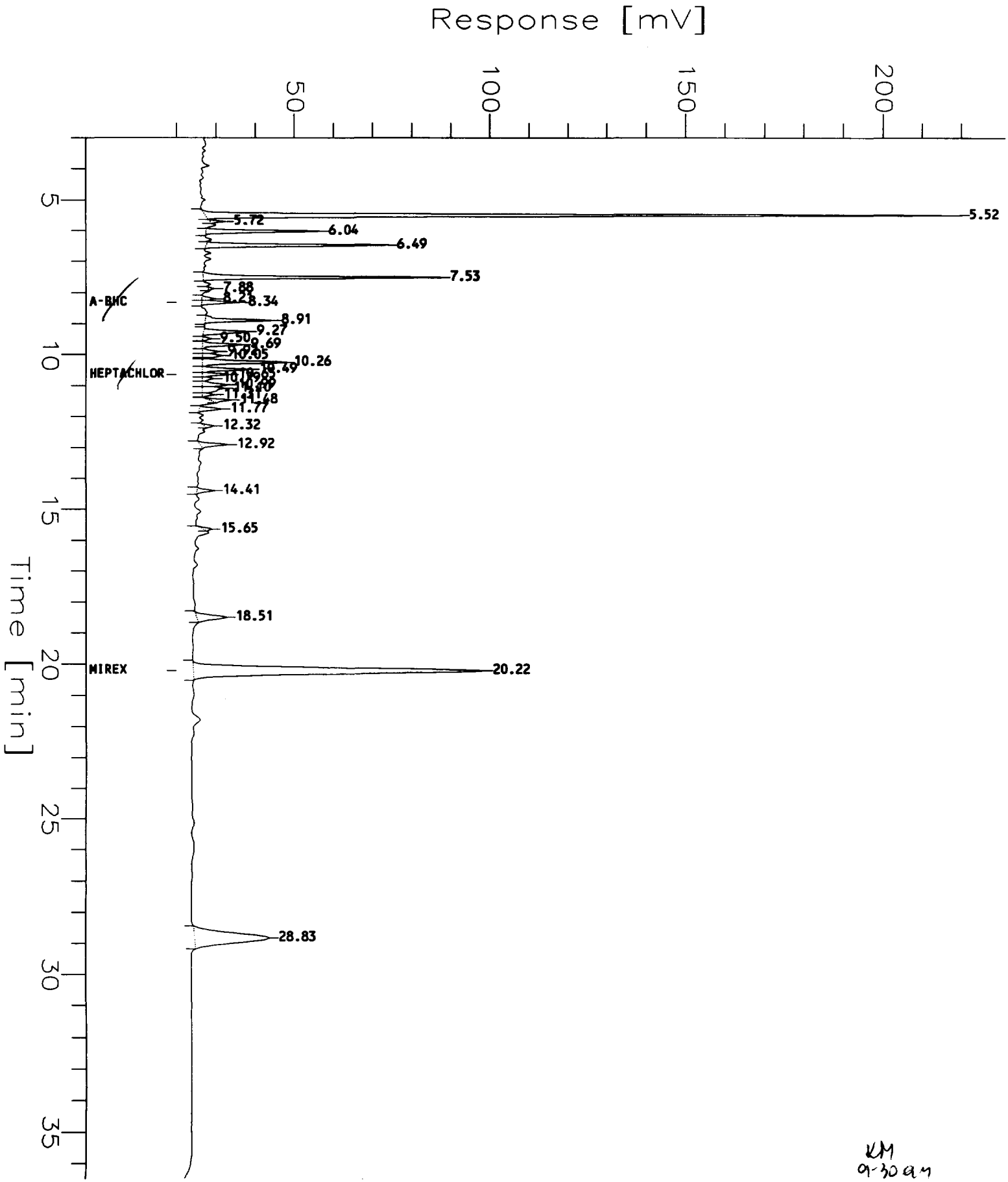
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA2\2AL_028.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 28
Date : 9/29/94 12:16 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30 am

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 9/29/94 11:18 AM
Sample Number: 28 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 10:47 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_028.raw
Result File : C:\2700\DATA2\2AL_028.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 5 | 7.53 | TCMX | 0.0412 | 305406 | 62297 | MIREX | 3.7100e7 |
| ~~9~~ | ~~8.91~~ | ~~b-BHC~~ | ~~0.0349~~ | ~~90187~~ | ~~17184~~ | ~~MIREX~~ | ~~1.2912e7~~ |
| ~~12~~ | ~~9.69~~ | ~~d-BHC~~ | ~~0.0191~~ | ~~53962~~ | ~~10018~~ | ~~MIREX~~ | ~~1.4130e7~~ |
| ~~23~~ | ~~11.77~~ | ~~ALDRIN~~ | ~~0.0061~~ | ~~32230~~ | ~~5488~~ | ~~MIREX~~ | ~~2.6426e7~~ |
| ~~24~~ | ~~12.32~~ | ~~HEPT.EPOXIDE~~ | ~~-0.0010~~ | ~~12429~~ | ~~2200~~ | ~~MIREX~~ | ~~-5.9781e7~~ |
| ~~25~~ | ~~12.92~~ | ~~g-CHLORDANE~~ | ~~0.0075~~ | ~~43458~~ | ~~6916~~ | ~~MIREX~~ | ~~2.9143e7~~ |
| ~~27~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~-0.0035~~ | ~~12377~~ | ~~1977~~ | ~~MIREX~~ | ~~-1.7757e7~~ |
| 29 | 20.22 | MIREX | 0.0000 | 950242 | 74091 | MIREX | ------- |
| 30 | 28.83 | DCLB | 0.0834 | 404102 | 18946 | MIREX | 2.4222e7 |
| | | | 0.1876 | 1904391 | 199116 | | 6.6398e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |

KM
9/30/94

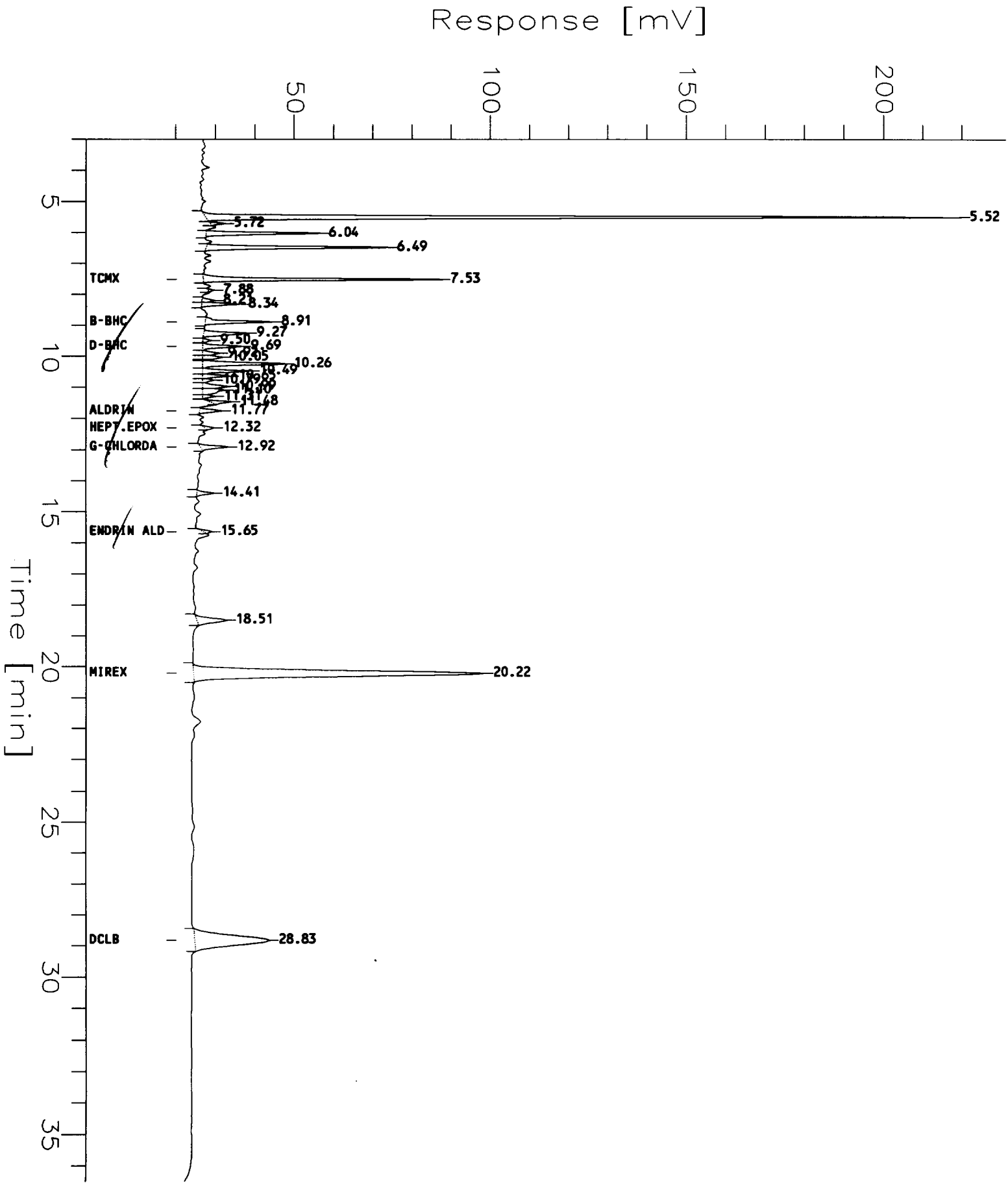
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA2\2AL_028.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 28
Date : 9/29/94 11:18 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 10/4/94 12:24 PM
Sample Number: 28 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 10:47 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA2\2AL_028.raw
Result File : C:\2700\DATA2\2AL_028.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 9 | 8.91 | 1242-A | 3.7849 | 90187 | 17184 | MIREX | 1.1913e5 |
| 10 | 9.27 | 1242-B | -0.1757 | 73812 | 11084 | MIREX | -2.1008e6 |
| 12 | 9.69 | 1242-C | -0.0228 | 53962 | 10018 | MIREX | -1.1844e7 |
| 15 | 10.26 | 1242-D | -0.0900 | 133684 | 21005 | MIREX | -7.4252e6 |
| 16 | 10.49 | 1242-E | -0.0508 | 65147 | 12157 | MIREX | -6.4186e6 |
| 29 | 20.22 | MIREX | 0.0000 | 950242 | 74091 | MIREX | ------- |
| | | | 3.4457 | 1367033 | 145539 | | -2.7669e7 |

AO(n=4)= 0.044 (calculated manually)

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

KM
10-04-94

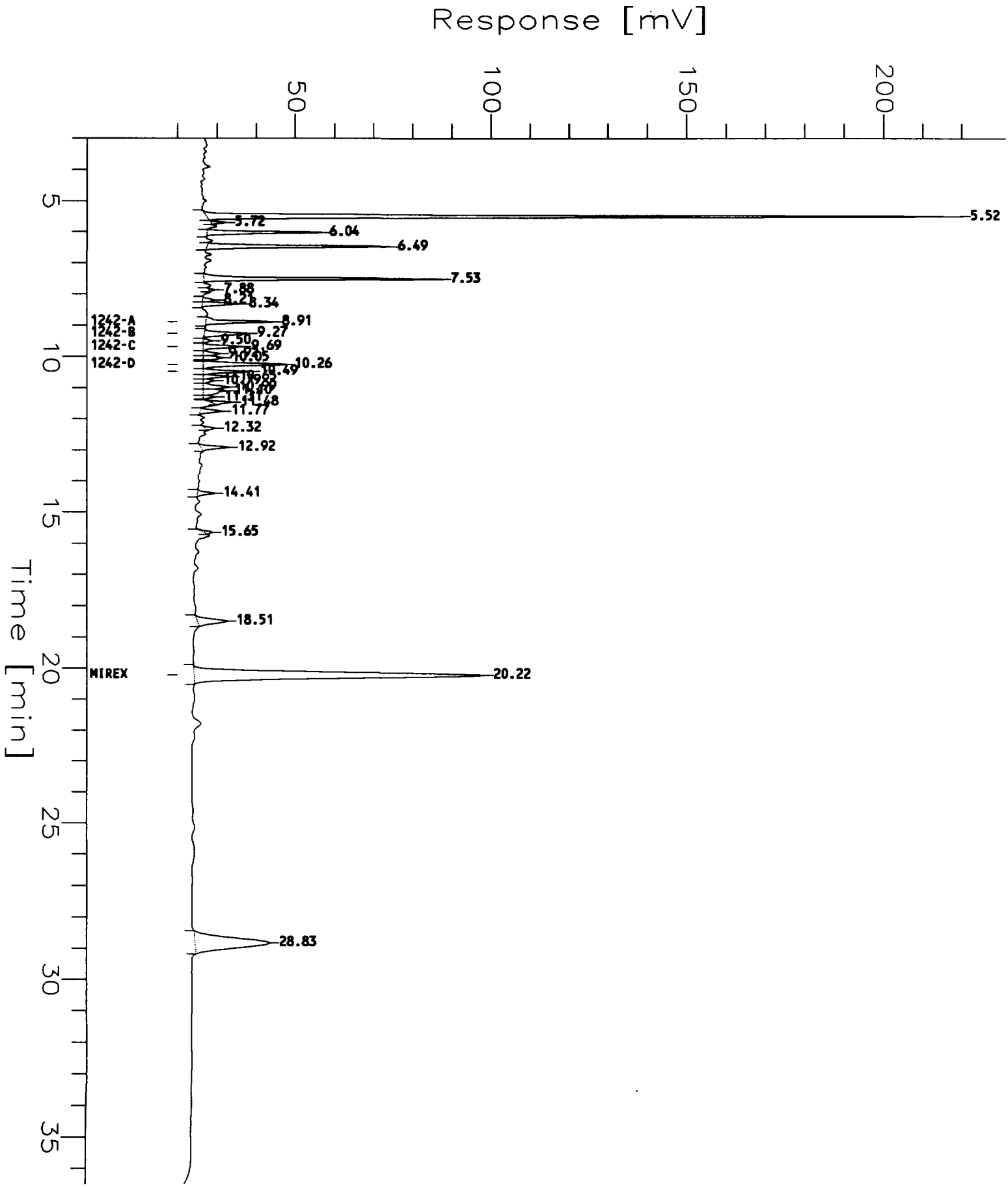
# Chromatogram

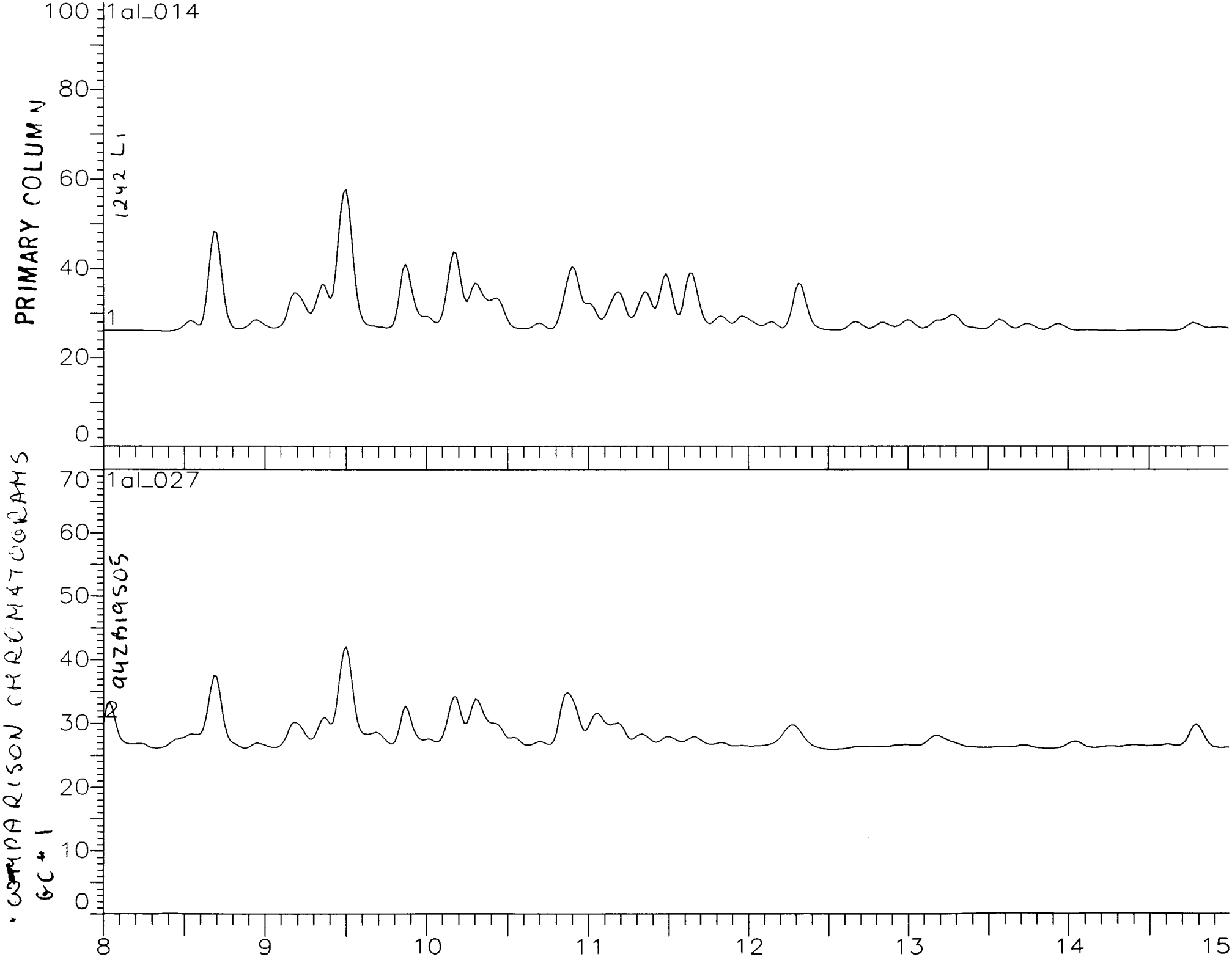
Sample Name : 94ZB19S05
FileName : C:\2700\DATA2\2AL_028.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 28
Date : 10/4/94 12:24 PM
Low Point : 20.00 mV
Plot Scale: 200 mV

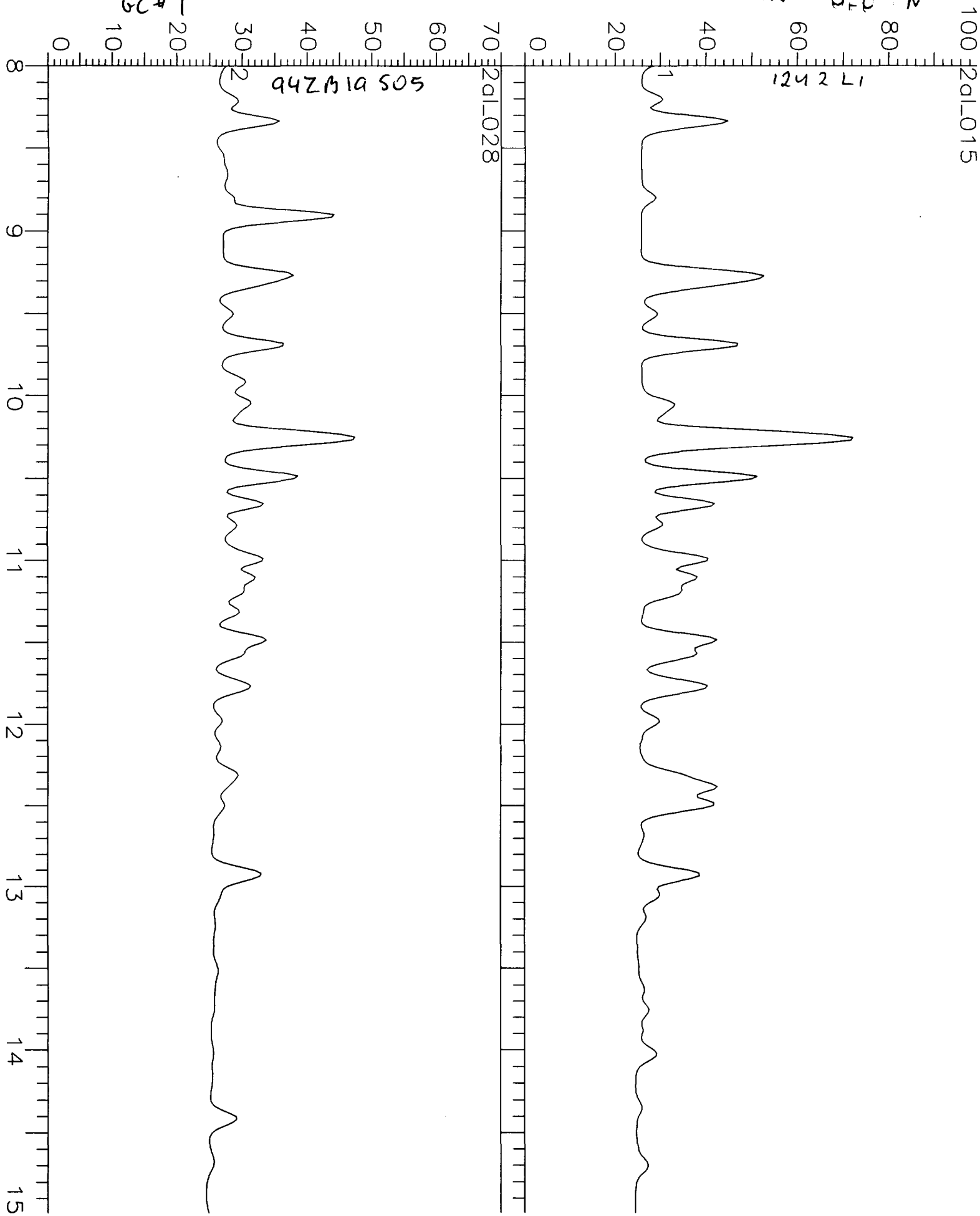


High Point : 220.00 mV




1al_014
PRIMARY COLUMN
1242 L1
1
100
80
60
40
20
0
1al_027
9427B19505
2
70
60
50
40
30
20
10
0
COMPARISON CHROMATOGRAMS
GC # 1
8
9
10
11
12
13
14
15

COMPARISON CHROMATOGRAMS
GC# 1



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 10/4/94 11:05 AM
Sample Number: 28 Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 10/1/94 10:59 AM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2WP_029.raw
Result File : C:\2700\DATA2\2WP_029.rst SECONDARY COLUMN
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\2MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-5

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount ug/l |
|---|---|---|---|---|---|---|
| 7 | 8.416 | 42-A | 84050.50 | 12953.40 | 0.0066 | 0.0329 |
| 8 | 8.809 | 42-B | 48751.00 | 10407.71 | 0.0205 | 0.1027 |
| 9 | 9.373 | 42-C | 121406.00 | 22185.21 | 0.0084 | 0.0421 |
| 10 | 9.591 | 42-D | 56750.78 | 12080.56 | 0.0091 | 0.0455 |
| 11 | 9.740 | 42-E | 46297.22 | 7613.88 | 0.0599 | 0.2993 |
| | | | 357255.50 | 65240.76 | 0.1045 | |

AU(n=4) = 0.052 (calculated manually)

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\2WP_029.TXO

KM
10-04-94

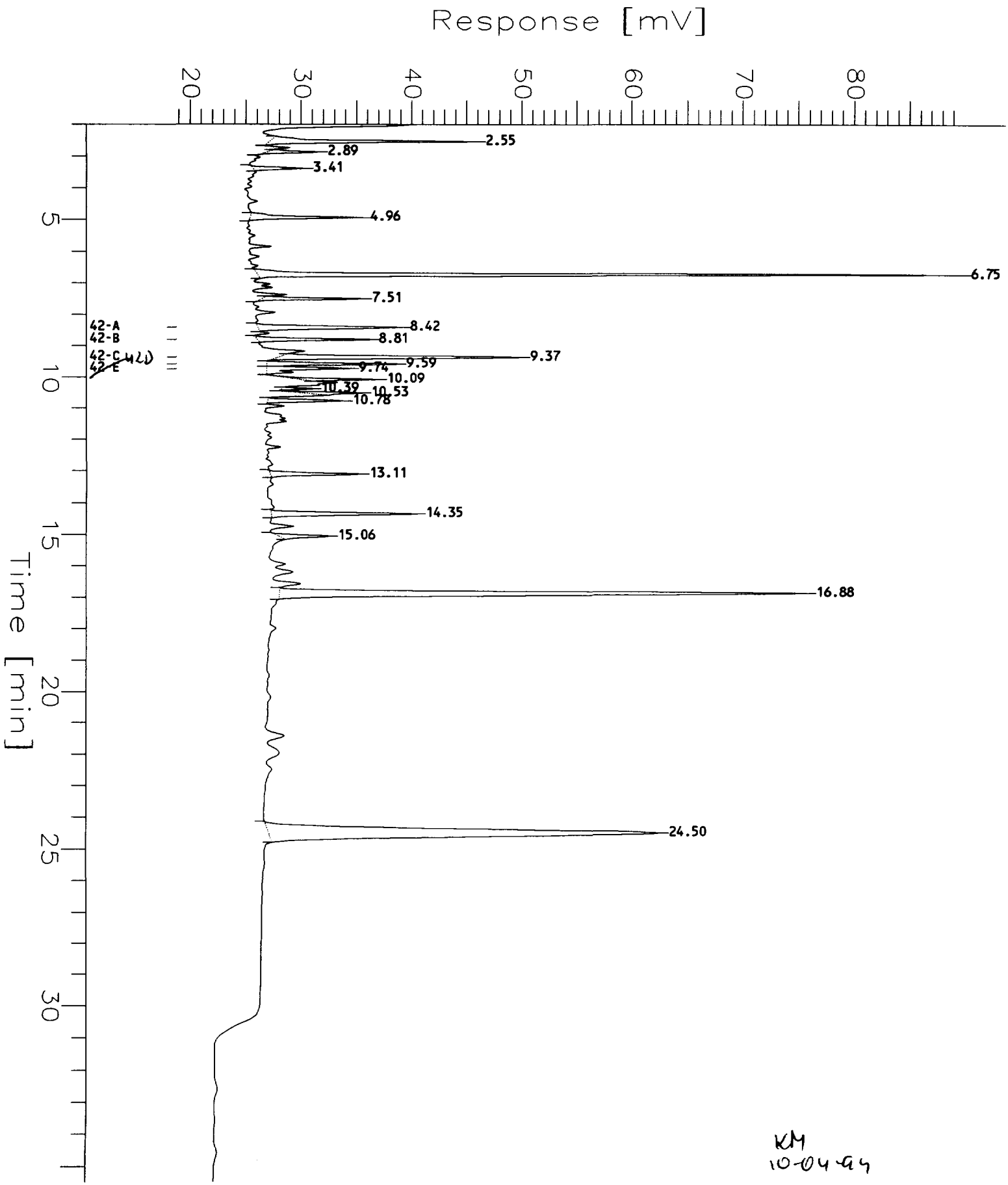
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA2\2WP_029.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 19 mV

Sample #: 28
Date : 10/4/94 11:05 AM
Low Point : 18.80 mV
Plot Scale: 71 mV



High Point : 89.71 mV




KM
10-04-94

$$\frac{84051}{162704} \times 0.1 = 0.052$$

$$\frac{48751}{89881} \times 0.1 = 0.054$$

$$\frac{121406}{255802} \times 0.1 = 0.047$$

$$\frac{56750}{105225} \times 0.1 = 0.054$$

$$\frac{46297}{54356} \times 0.1 = 0.085$$

$$AU(n=4) = \underline{0.052}$$

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 10/4/94 10:49 AM
Sample Number: 28 Study : ALCO STEEL SERVICE
Operator : AK

Instrument : HPGC03 Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261920361 Data Acquisition Time: 10/1/94 10:15 AM
Delay Time : 2.00 min.
End Time : 35.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1WP_028.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1WP_028.rst
Instrument File: C:\2700\DATA2\ZERO.ins
Process File : C:\2700\DATA2\ZERO.prc
Sample File : C:\2700\DATA2\MET42.smp
Sequence File : c:\2700\data2\wp.seq

Inj. Volume : 1 ul Area Reject : 10000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION V**

EXTERNAL STANDARD REPORT
DB-608

| Peak # | Time [min] | Component Name | Area [uV*sec] | Height [uV] | Raw Amount | Adjusted Amount UG/L |
|---|---|---|---|---|---|---|
| 15 | 8.669 | 42-A | 116814.56 | 26509.91 | -0.0050 | -0.0251 |
| 17 | 9.652 | 42-B | 225038.88 | 44178.84 | -0.0057 | -0.0287 |
| 21 | 10.478 | 42-C | 377152.19 | 61931.01 | 0.0079 | 0.0394 |
| 25 | 11.188 | 42-D | 172488.81 | 33458.32 | -0.0220 | -0.1101 |
| 28 | 12.000 | 42-E | 206177.88 | 24902.31 | 0.0290 | 0.1449 |
| | | | 1097672.25 | 190980.39 | 0.0041 | |

AU(n=5) = 0.055 (calculated manually)

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA2\1WP_028.TXO

KM
10-04-94

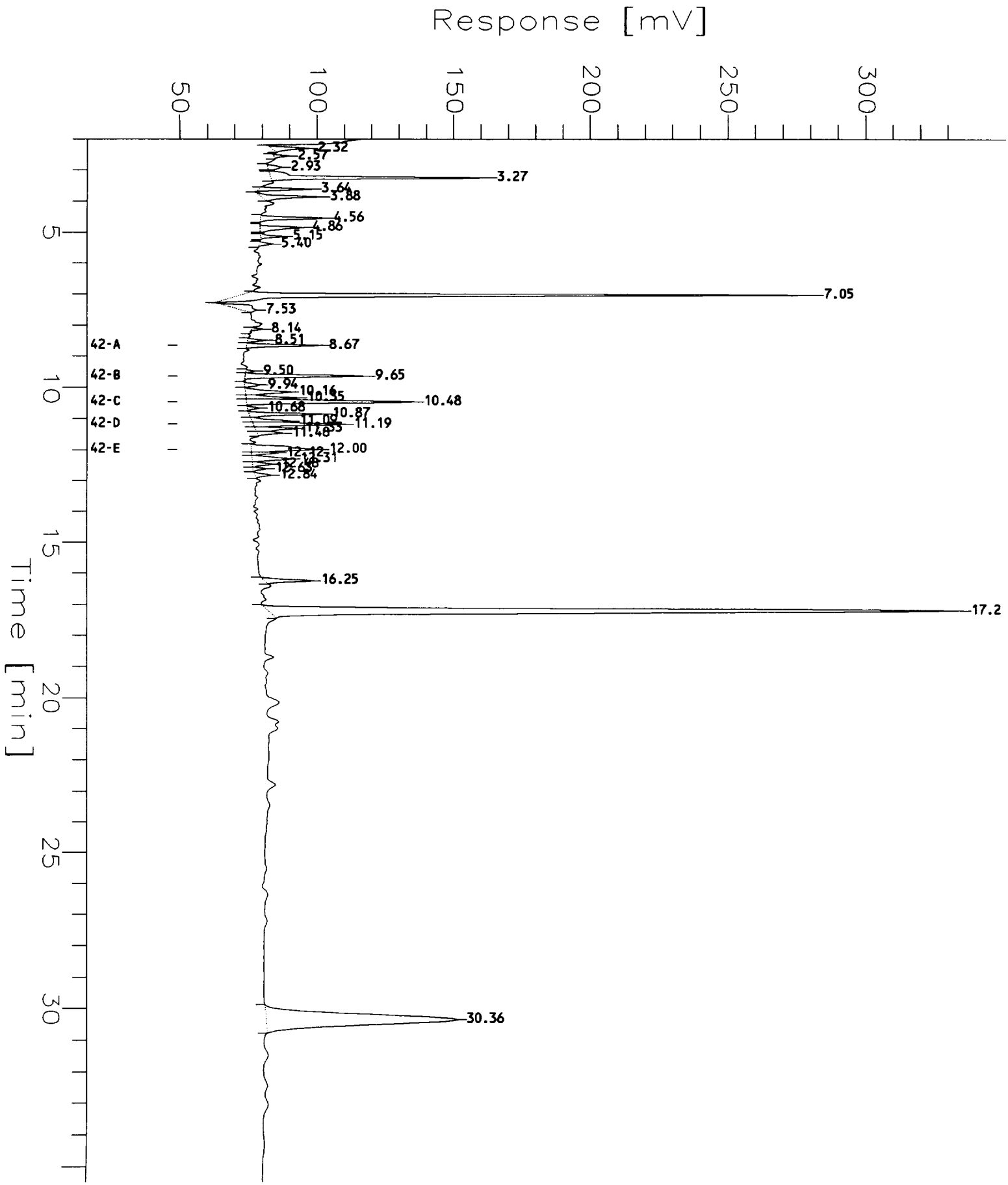
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA2\1WP_028.raw
Start Time : 2.00 min End Time : 35.50 min
Scale Factor: 1 Plot Offset: 49 mV

Sample #: 28
Date : 10/4/94 10:49 AM
Low Point : 49.23 mV
Plot Scale: 286 mV



High Point : 335.22 mV



$$\frac{116814}{213664} \times 0.1 = 0.055$$

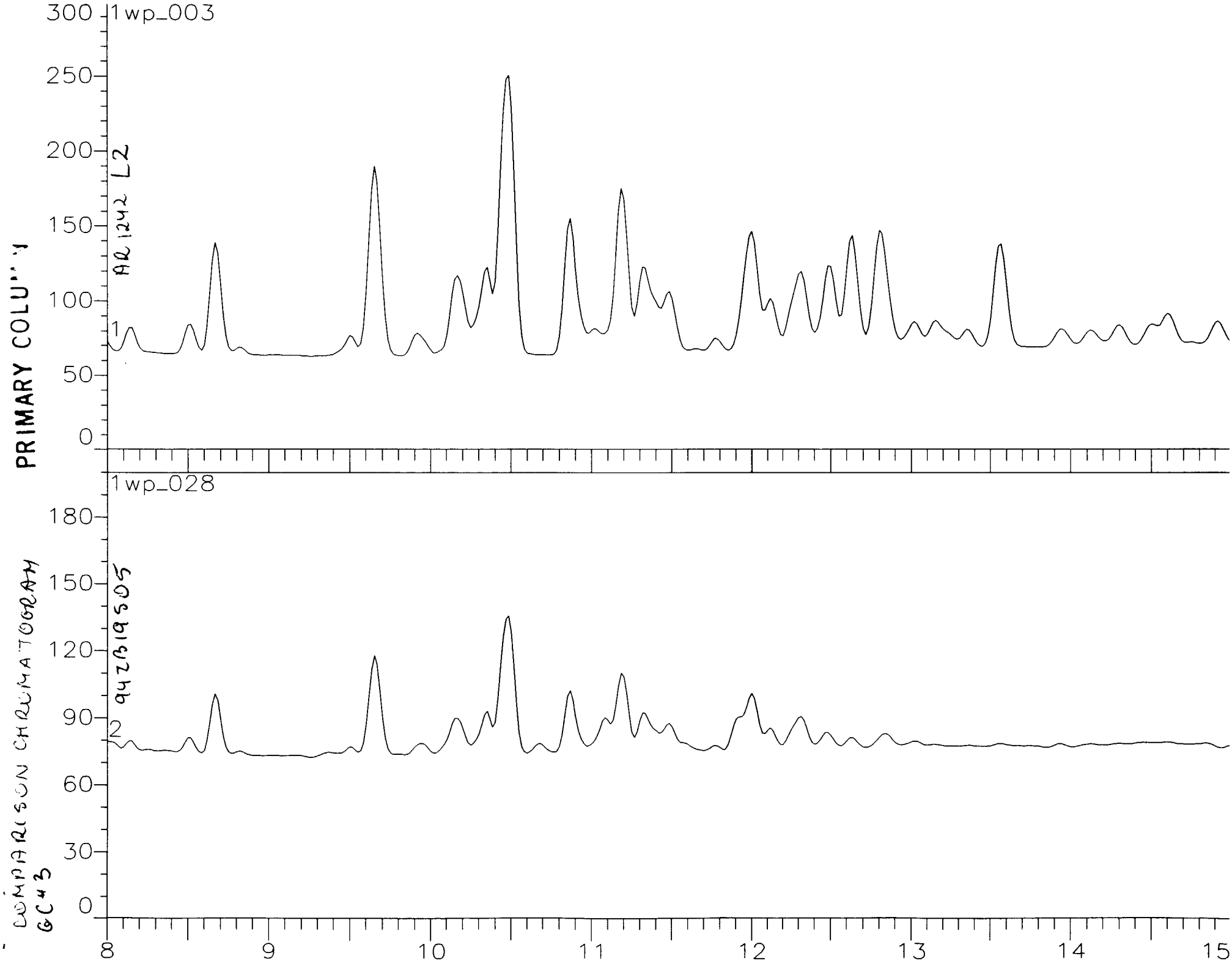
$$\frac{225039}{395871} \times 0.1 = 0.057$$

$$\frac{377152}{673307} \times 0.1 = 0.056$$

$$\frac{172489}{413796} \times 0.1 = 0.042$$

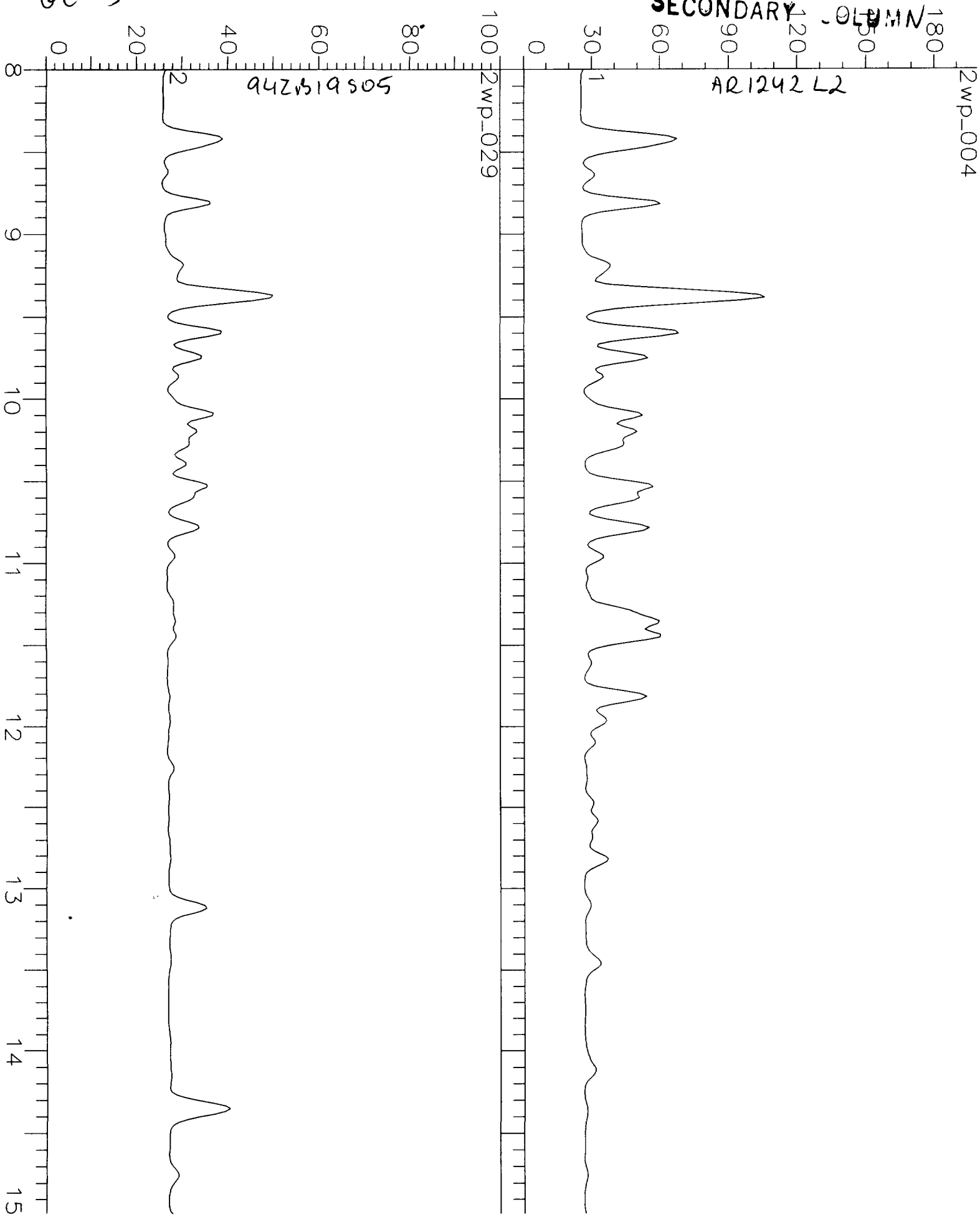
$$\frac{206178}{311885} \times 0.1 = 0.066$$

AV(n=5) = 0.055


1wp_003
AR 1242 L2
PRIMARY COLUMN
1
300
250
200
150
100
50
0
1wp_028
94ZB19505
COMPARISON CHROMATOGRAM
GC43
2
180
150
120
90
60
30
0
8
9
10
11
12
13
14
15

- COMPARISON CHROMATOGRAMS
GC#3

SECONDARY COLUMN



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S06 Time : 10/3/94 03:56 PM
Sample Number: 28 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 10:48 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_028.raw PRIMARY COLUMN
Result File : C:\2700\DATA2\1AL_028.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~6~~ | ~~8.73~~ | ~~LINDANE~~ | ~~0.0038~~ | ~~14031~~ | ~~2954~~ | ~~MIREX~~ | ~~1.8667e7~~ |
| ~~9~~ | ~~9.68~~ | ~~HEPTACHLOR~~ | ~~0.0254~~ | ~~135979~~ | ~~26867~~ | ~~MIREX~~ | ~~2.6751e7~~ |
| ~~13~~ | ~~13.12~~ | ~~DIELDRIN~~ | ~~0.0082~~ | ~~19571~~ | ~~2947~~ | ~~MIREX~~ | ~~1.1965e7~~ |
| ~~15~~ | ~~15.22~~ | ~~p,p'-DDT~~ | ~~0.0031~~ | ~~40107~~ | ~~4559~~ | ~~MIREX~~ | ~~6.4786e7~~ |
| 18 | 18.69 | MIREX | 0.0000 | 1035025 | 87030 | MIREX | ------- |
| | | | 0.0166 | 1244713 | 124357 | | 6.0904e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| ENDO I | 12.334 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| METHOXYCHLOR | 18.260 |

KM
10-04-94

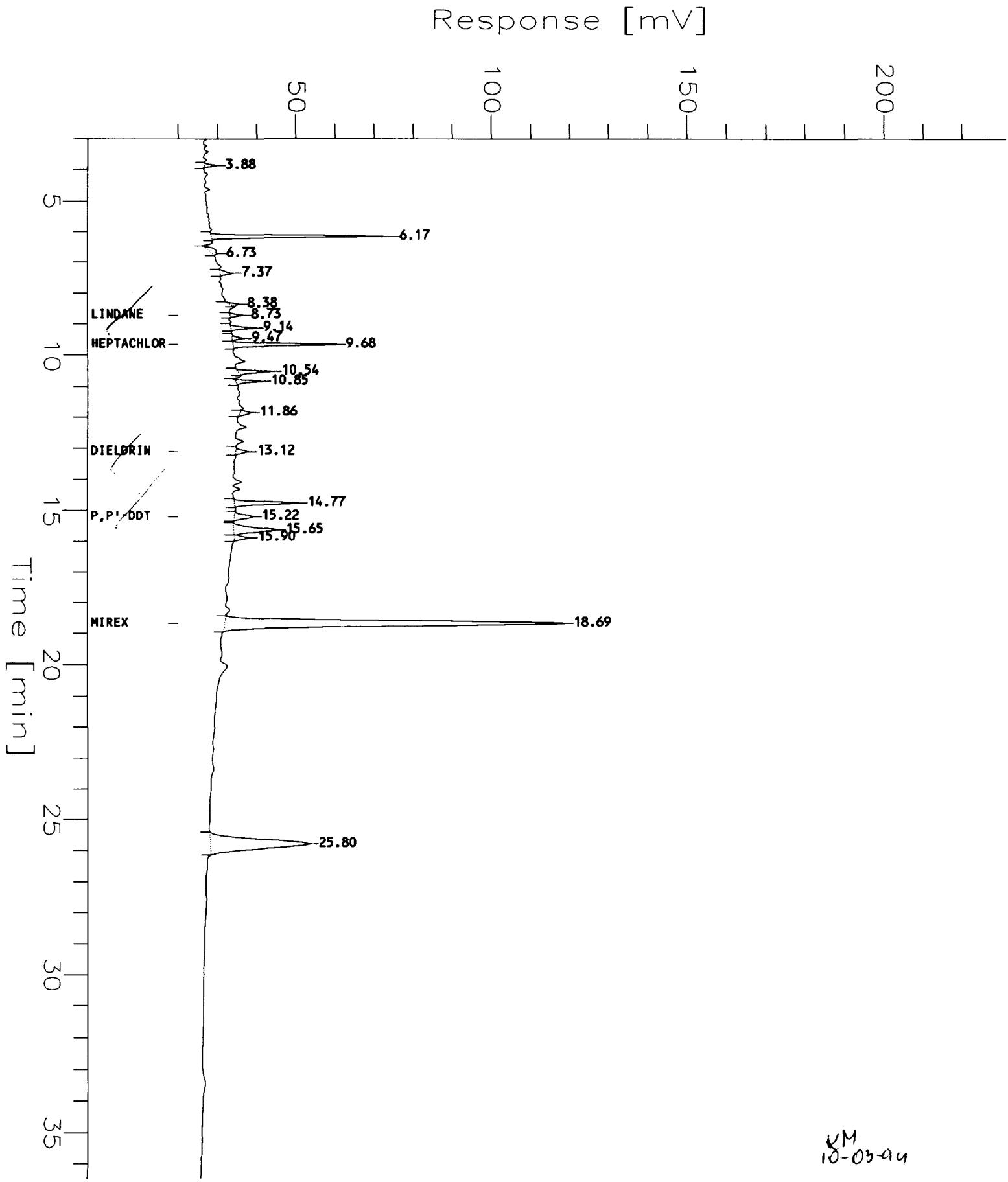
# Chromatogram

Sample Name : 94ZB19S06
FileName : C:\2700\DATA2\1AL_028.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 28
Date : 10/3/94 03:56 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-03-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S06 Time : 10/3/94 03:53 PM
Sample Number: 28 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 10:48 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_028.raw
Result File : C:\2700\DATA2\1AL_028.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 6.17 | TCMX | 0.0436 | 217943 | 45950 | TCMX | 2.4972e7 |
| ~~9~~ | ~~9.68~~ | ~~d-BHC~~ | ~~0.0442~~ | ~~135979~~ | ~~26867~~ | ~~d-BHC~~ | ~~1.5367e7~~ |
| ~~12~~ | ~~11.86~~ | ~~g-CHLORDANE~~ | ~~0.0009~~ | ~~19158~~ | ~~2599~~ | ~~g-CHLORD~~ | ~~1.0181e8~~ |
| ~~14~~ | ~~14.77~~ | ~~ENDO II~~ | ~~0.0254~~ | ~~103202~~ | ~~16428~~ | ~~ENDO II~~ | ~~2.0297e7~~ |
| ~~16~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~0.0405~~ | ~~112118~~ | ~~10935~~ | ~~ENDRIN A~~ | ~~1.3859e7~~ |
| ~~17~~ | ~~15.90~~ | ~~END SULFATE~~ | ~~0.0004~~ | ~~25362~~ | ~~3608~~ | ~~END SULF~~ | ~~3.0250e8~~ |
| 19 | 25.80 | DCLB | 0.1067 | 503546 | 25118 | DCLB | 2.3603e7 |
| | | | 0.2599 | 1117307 | 131506 | | 2.9879e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| ALDRIN | 10.219 |
| HEPT.EPOXIDE | 11.474 |
| a-CHLORDANE | 12.247 |
| p,p'-DDE | 12.844 |

KM
10-05-94

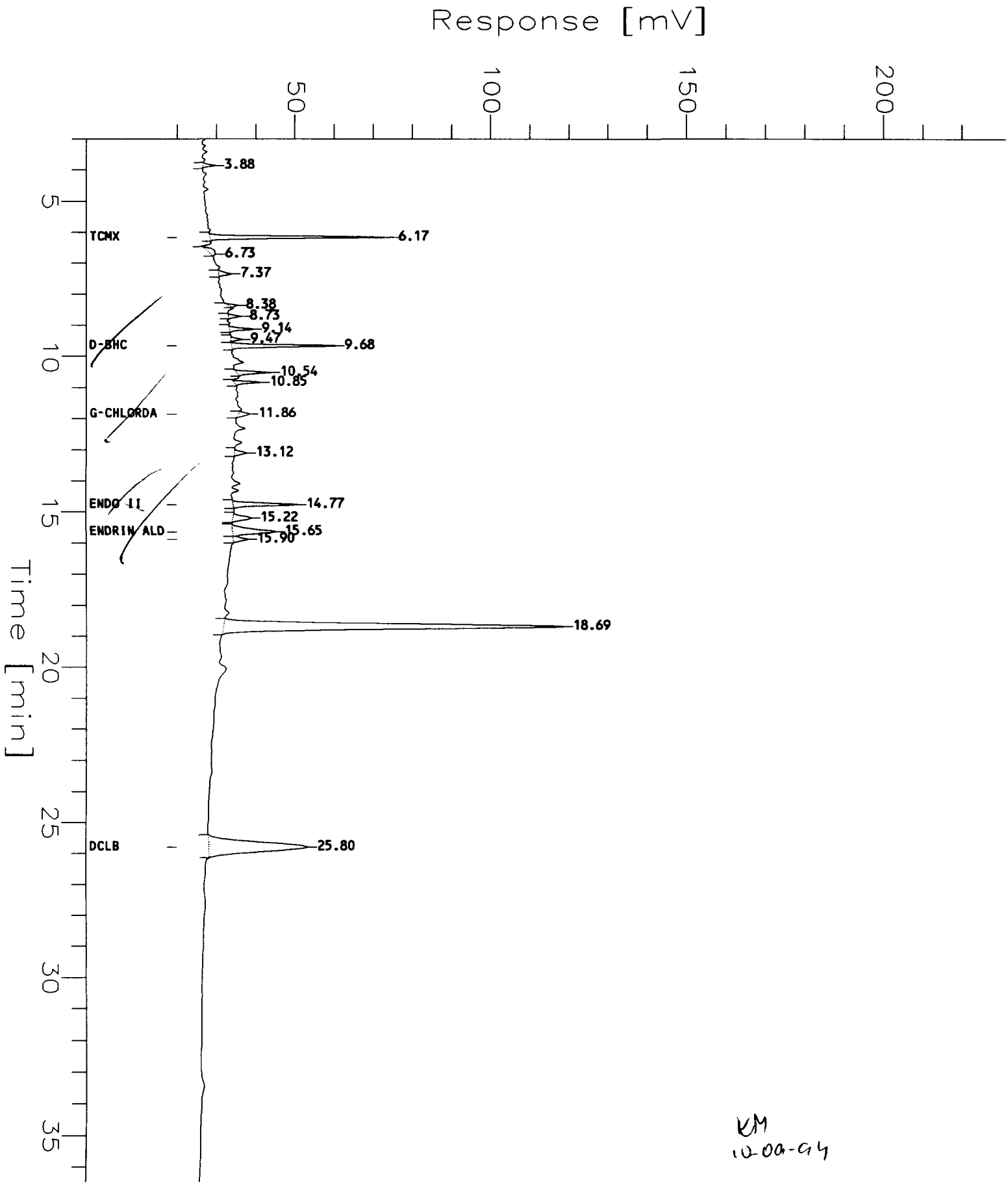
# Chromatogram

Sample Name : 942B19S06
FileName : C:\2700\DATA2\1AL_028.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 28
Date : 10/3/94 03:53 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-06-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S06 Time : 10/3/94 03:52 PM
Sample Number: 29 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 11:31 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_029.raw SECONDARY COLUMN
Result File : C:\2700\DATA2\2AL_029.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~5~~ | ~~9.07~~ | ~~LINDANE~~ | ~~-0.0043~~ | ~~11232~~ | ~~2268~~ | ~~MIREX~~ | ~~-1.3181e7~~ |
| ~~8~~ | ~~10.67~~ | ~~HEPTACHLOR~~ | ~~-0.0034~~ | ~~14453~~ | ~~2564~~ | ~~MIREX~~ | ~~-2.1303e7~~ |
| ~~14~~ | ~~13.36~~ | ~~ENDO I~~ | ~~0.0031~~ | ~~22721~~ | ~~2909~~ | ~~MIREX~~ | ~~3.7267e7~~ |
| ~~16~~ | ~~14.00~~ | ~~DIELDRIN~~ | ~~0.0009~~ | ~~20867~~ | ~~3359~~ | ~~MIREX~~ | ~~1.2170e8~~ |
| ~~18~~ | ~~15.96~~ | ~~p,p'-DDT~~ | ~~0.0153~~ | ~~66876~~ | ~~8437~~ | ~~MIREX~~ | ~~2.1814e7~~ |
| 20 | 20.19 | MIREX | 0.0000 | 954850 | 75284 | MIREX | ------- |
| | | | 0.0116 | 1090998 | 94821 | | 1.4629e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| METHOXYCHLOR | 17.769 |

KM
10-03-94

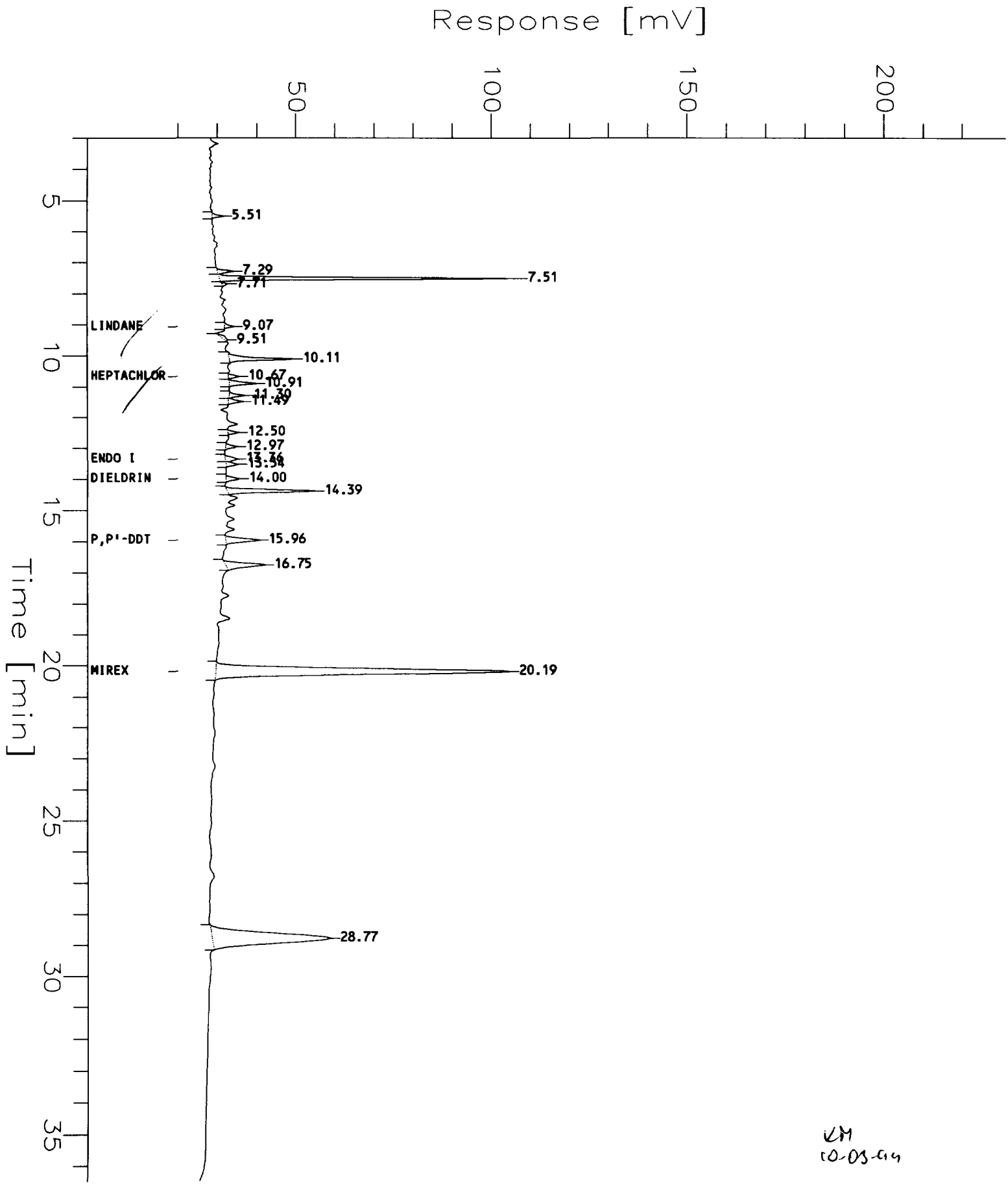
# Chromatogram

Sample Name : 94ZB19S06
FileName : C:\2700\DATA2\2AL_029.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 29
Date : 10/3/94 03:52 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-03-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S06 Time : 10/3/94 04:01 PM
Sample Number: 29 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 11:31 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_029.raw
Result File : C:\2700\DATA2\2AL_029.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 7.51 | TCMX | 0.0486 | 357201 | 76597 | MIREX | 3.6751e7 |
| ~~5~~ | ~~9.07~~ | ~~b-BHC~~ | ~~-0.0031~~ | ~~11232~~ | ~~2268~~ | ~~MIREX~~ | ~~-1.7967e7~~ |
| ~~6~~ | ~~9.51~~ | ~~d-BHC~~ | ~~0.0016~~ | ~~13240~~ | ~~735~~ | ~~MIREX~~ | ~~4.1231e7~~ |
| ~~10~~ | ~~11.30~~ | ~~ALDRIN~~ | ~~0.0036~~ | ~~20861~~ | ~~3815~~ | ~~MIREX~~ | ~~2.8911e7~~ |
| ~~12~~ | ~~12.50~~ | ~~HEPT.EPOXIDE~~ | ~~-0.0008~~ | ~~13089~~ | ~~2634~~ | ~~MIREX~~ | ~~-8.5882e7~~ |
| ~~13~~ | ~~12.97~~ | ~~g-CHLORDANE~~ | ~~-0.0001~~ | ~~16339~~ | ~~2760~~ | ~~MIREX~~ | ~~-1.1353e9~~ |
| ~~14~~ | ~~13.36~~ | ~~a-CHLORDANE~~ | ~~0.0028~~ | ~~22721~~ | ~~2909~~ | ~~MIREX~~ | ~~4.1139e7~~ |
| ~~16~~ | ~~14.00~~ | ~~p,p'-DDE~~ | ~~0.0037~~ | ~~20867~~ | ~~3359~~ | ~~MIREX~~ | ~~2.8078e7~~ |
| ~~18~~ | ~~15.96~~ | ~~END SULFATE~~ | ~~0.0236~~ | ~~66876~~ | ~~8437~~ | ~~MIREX~~ | ~~1.4187e7~~ |
| 20 | 20.19 | MIREX | 0.0000 | 954850 | 75284 | MIREX | ------- |
| 21 | 28.77 | DCLB | 0.1189 | 575964 | 28321 | MIREX | 2.4222e7 |
| | | | 0.1988 | 2073238 | 207120 | | -1.0247e9 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| ENDO II | 14.829 |
| ENDRIN ALD | 15.320 |
| ENDRIN KETONE | 17.655 |

KM
10-03-94

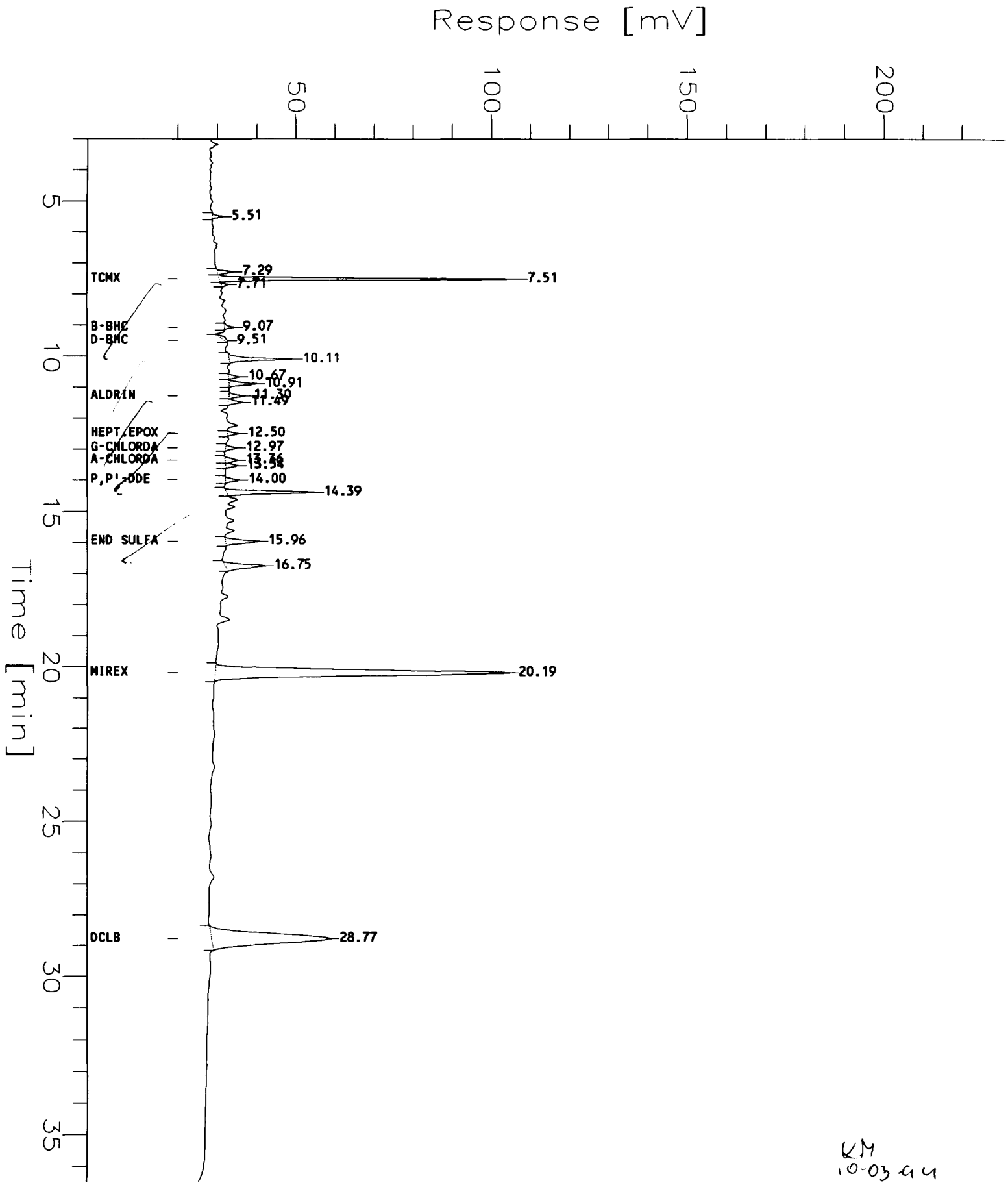
# Chromatogram

Sample Name : 94ZB19S06
FileName : C:\2700\DATA2\2AL_029.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 29
Date : 10/3/94 03:56 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
10-03-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S08 Time : 9/29/94 10:28 AM
Sample Number: 29 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 11:30 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

PRIMARY COLUMN

Raw Data File : C:\2700\DATA2\1AL_029.raw
Result File : C:\2700\DATA2\1AL_029.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

## EXTERNAL STANDARD TABLE

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| ~~14~~ | ~~8.62~~ | ~~LINDANE~~ | ~~-0.0012~~ | ~~24863~~ | ~~3613~~ | ~~MIREX~~ | ~~-1.0008e8~~ |
| ~~16~~ | ~~9.68~~ | ~~HEPTACHLOR~~ | ~~0.0015~~ | ~~40843~~ | ~~5479~~ | ~~MIREX~~ | ~~1.3231e8~~ |
| ~~21~~ | ~~12.27~~ | ~~ENDO I~~ | ~~-0.0005~~ | ~~29583~~ | ~~3597~~ | ~~MIREX~~ | ~~-2.7477e8~~ |
| 23 | 18.70 | MIREX | 0.0000 | 1061330 | 83663 | MIREX | ------- |
| | | | -0.0002 | 1156619 | 96351 | | -2.4254e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 7.827 |
| DIELDRIN | 13.115 |
| ENDRIN | 14.111 |
| p,p'-DDD | 14.334 |
| p,p'-DDT | 15.200 |
| METHOXYCHLOR | 18.260 |

KM
9-30-94

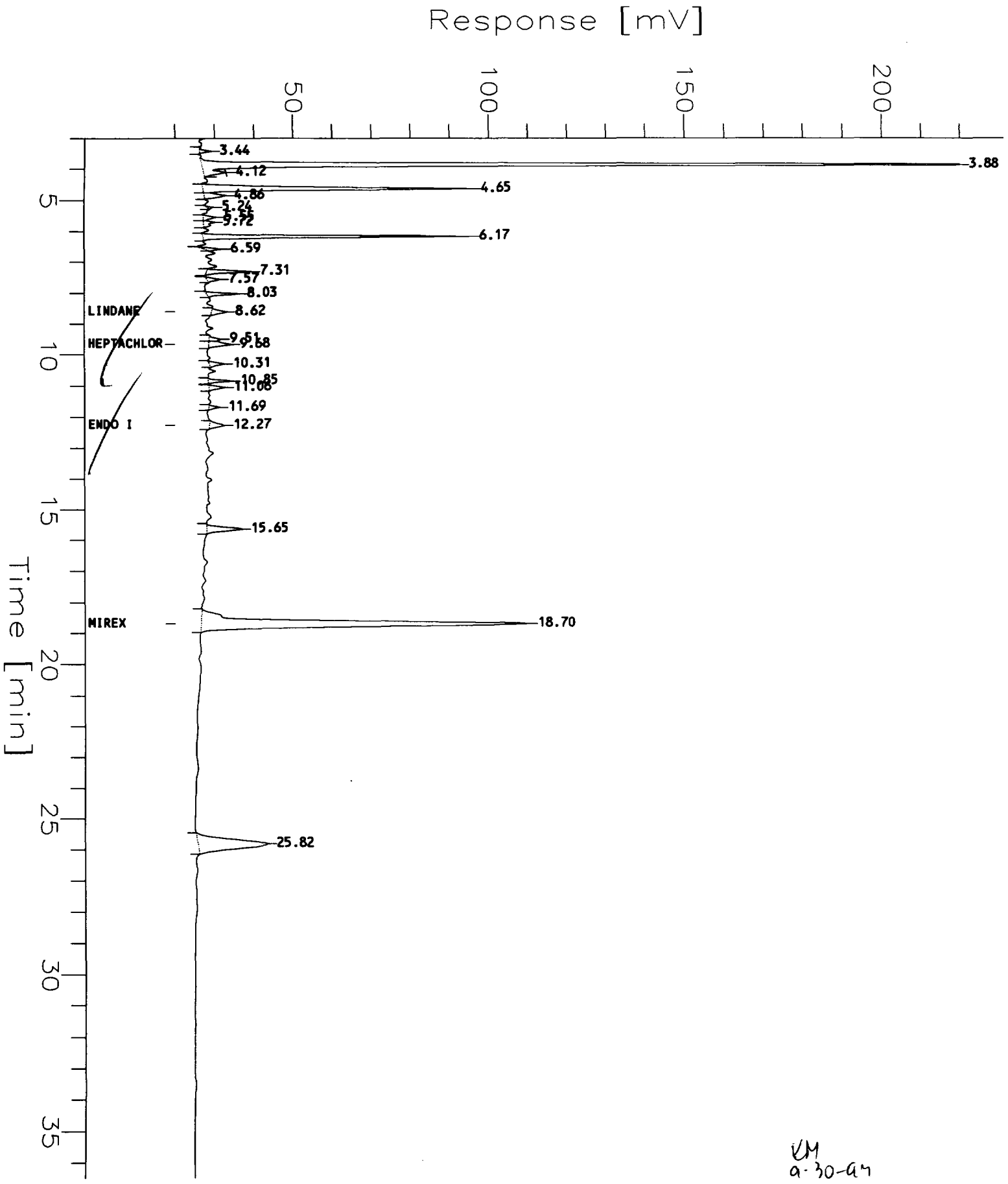
# Chromatogram

Sample Name : 94ZB19S08
FileName : C:\2700\DATA2\1AL_029.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 29
Date : 9/29/94 10:28 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S08 Time : 9/29/94 09:54 AM
Sample Number: 29 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : A A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 11:30 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\1AL_029.raw
Result File : C:\2700\DATA2\1AL_029.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\1AL.prc
Sample File : C:\2700\DATA2\1PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 9 | 6.17 | TCMX | 0.0697 | 333384 | 69783 | TCMX | 2.3926e7 |
| ~~16~~ | ~~9.68~~ | ~~d-BHC~~ | ~~0.0114~~ | ~~40843~~ | ~~5479~~ | ~~d-BHC~~ | ~~1.7999e7~~ |
| ~~17~~ | ~~10.31~~ | ~~ALDRIN~~ | ~~0.0019~~ | ~~21464~~ | ~~3575~~ | ~~ALDRIN~~ | ~~5.6338e7~~ |
| ~~21~~ | ~~12.27~~ | ~~a-CHLORDANE~~ | ~~0.0015~~ | ~~29583~~ | ~~3597~~ | ~~a-CHLORD~~ | ~~9.8526e7~~ |
| ~~22~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~0.0228~~ | ~~76436~~ | ~~8848~~ | ~~ENDRIN A~~ | ~~1.6767e7~~ |
| 24 | 25.82 | DCLB | 0.0736 | 347563 | 17536 | DCLB | 2.3603e7 |
| | | | 0.1808 | 849272 | 108817 | | 2.3716e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.889 |
| HEPT.EPOXIDE | 11.474 |
| g-CHLORDANE | 11.855 |
| p,p'-DDE | 12.844 |
| ENDO II | 14.603 |
| END SULFATE | 15.912 |

KM
9-30-94

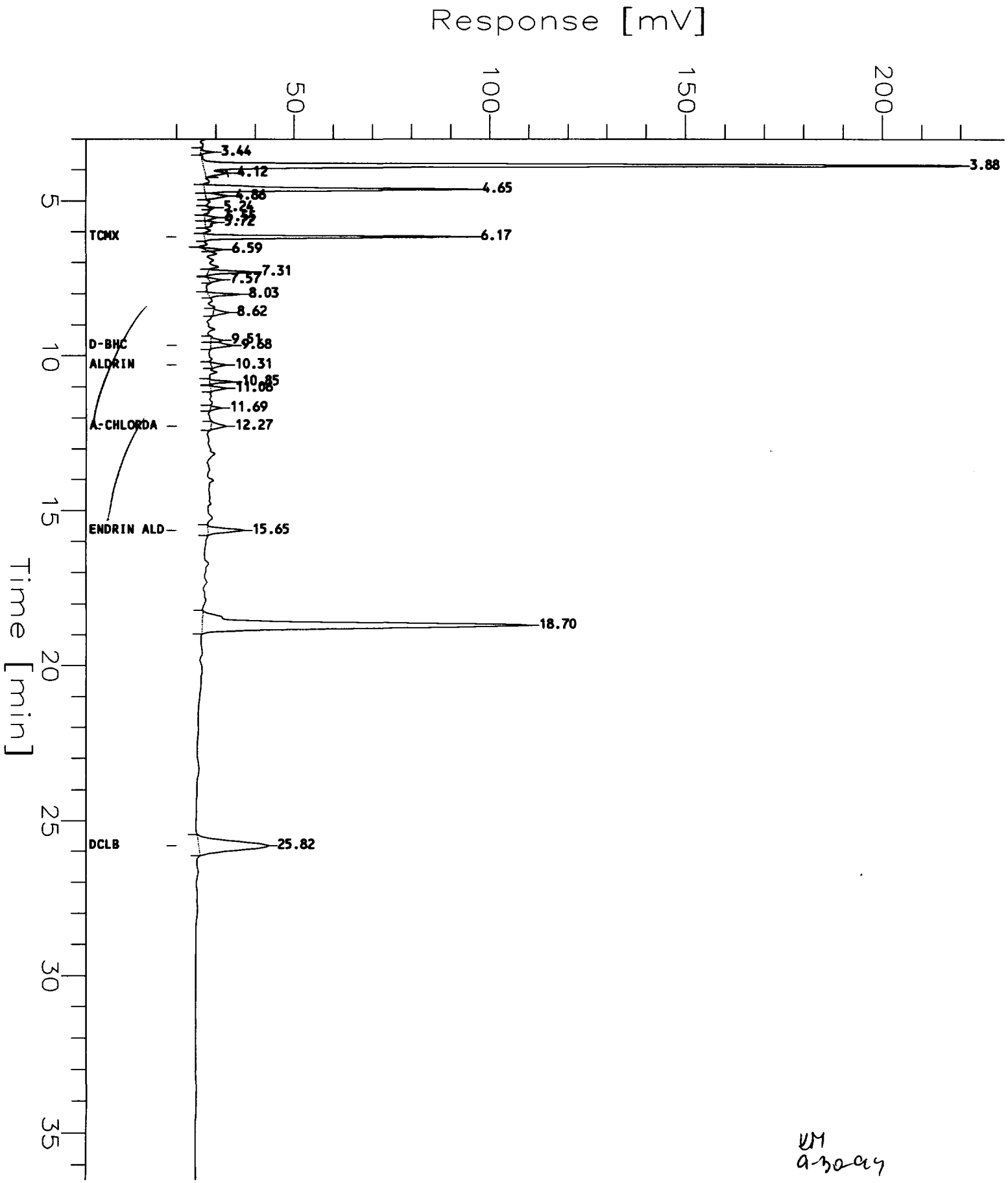
# Chromatogram

Sample Name : 94ZB19S08
FileName : C:\2700\DATA2\1AL_029.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 29
Date : 9/29/94 09:54 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

Software Version: 3.1 <2A23>
Sample Name : 94ZB19S08 Time : 9/29/94 12:17 PM
Sample Number: 30 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:13 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_030.raw
Result File : C:\2700\DATA2\2AL_030.rst SECONDARY COLUMN
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTA.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 25 | 20.22 | MIREX | 0.0000 | 796290 | 62667 | MIREX | ------- |
| | | | 0.0000 | 796290 | 62667 | | 0.0000 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| a-BHC | 8.374 |
| LINDANE | 9.087 |
| HEPTACHLOR | 10.695 |
| ENDO I | 13.341 |
| DIELDRIN | 14.018 |
| ENDRIN | 14.630 |
| p,p'-DDD | 14.866 |
| p,p'-DDT | 15.961 |
| METHOXYCHLOR | 17.769 |

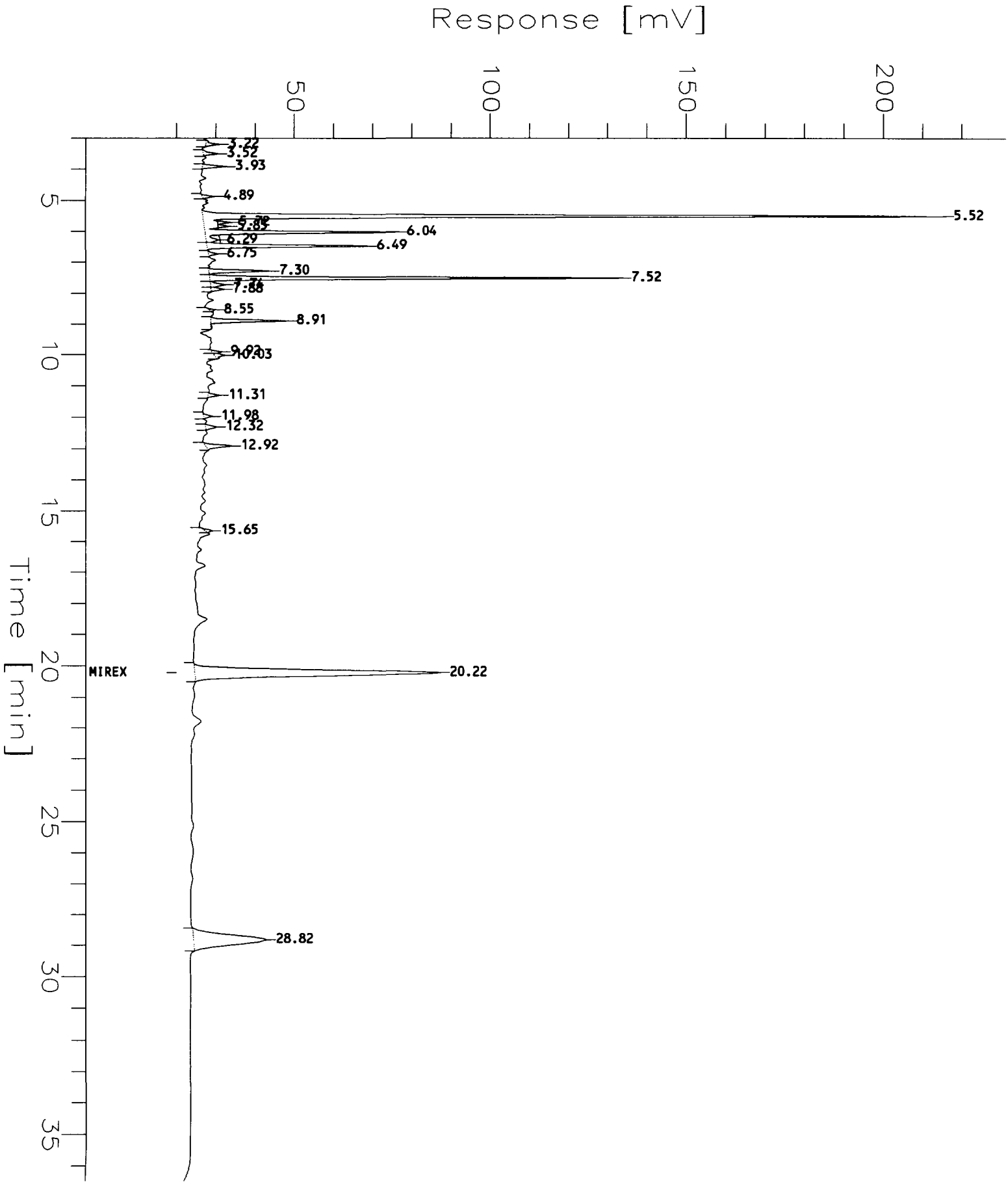
# Chromatogram

Sample Name : 94ZB19S08
FileName : C:\2700\DATA2\2AL_030.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 30
Date : 9/29/94 12:17 PM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S08 Time : 9/29/94 11:19 AM
Sample Number: 30 Study : ALCO STEEL SERVICE
Operator : KM

Instrument : EC1 HP5890A Channel : B A/D mV Range : 1000
AutoSampler : NONE
Rack/Vial : 0/0

Interface Serial # : 7261921447 Data Acquisition Time: 9/27/94 12:13 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA2\2AL_030.raw
Result File : C:\2700\DATA2\2AL_030.rst
Instrument File: C:\2700\DATA2\1AL.ins
Process File : C:\2700\DATA2\2AL.prc
Sample File : C:\2700\DATA2\2PESTB.smp
Sequence File : c:\2700\data2\1al.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/L] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 13 | 7.52 | TCMX | 0.0702 | 507419 | 107865 | MIREX | 3.6157e7 |
| ~~17~~ | ~~8.91~~ | ~~b-BHC~~ | ~~0.0397~~ | ~~100005~~ | ~~19484~~ | ~~MIREX~~ | ~~1.2610e7~~ |
| ~~20~~ | ~~11.31~~ | ~~ALDRIN~~ | ~~0.0019~~ | ~~12970~~ | ~~2883~~ | ~~MIREX~~ | ~~3.4508e7~~ |
| ~~22~~ | ~~12.32~~ | ~~HEPT.EPOXIDE~~ | ~~0.0005~~ | ~~16112~~ | ~~2650~~ | ~~MIREX~~ | ~~1.5826e8~~ |
| ~~23~~ | ~~12.92~~ | ~~g-CHLORDANE~~ | ~~0.0068~~ | ~~41044~~ | ~~6571~~ | ~~MIREX~~ | ~~3.0243e7~~ |
| ~~24~~ | ~~15.65~~ | ~~ENDRIN ALD~~ | ~~-0.0058~~ | ~~9682~~ | ~~1600~~ | ~~MIREX~~ | ~~-8.3608e6~~ |
| 25 | 20.22 | MIREX | 0.0000 | 796290 | 62667 | MIREX | ------- |
| 26 | 28.82 | DCLB | 0.0805 | 389803 | 18423 | MIREX | 2.4222e7 |
| | | | 0.1937 | 1873324 | 222143 | | 2.8765e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.524 |
| a-CHLORDANE | 13.371 |
| p,p'-DDE | 13.744 |
| ENDO II | 14.829 |
| END SULFATE | 16.009 |
| ENDRIN KETONE | 17.655 |

KM
9-30-94

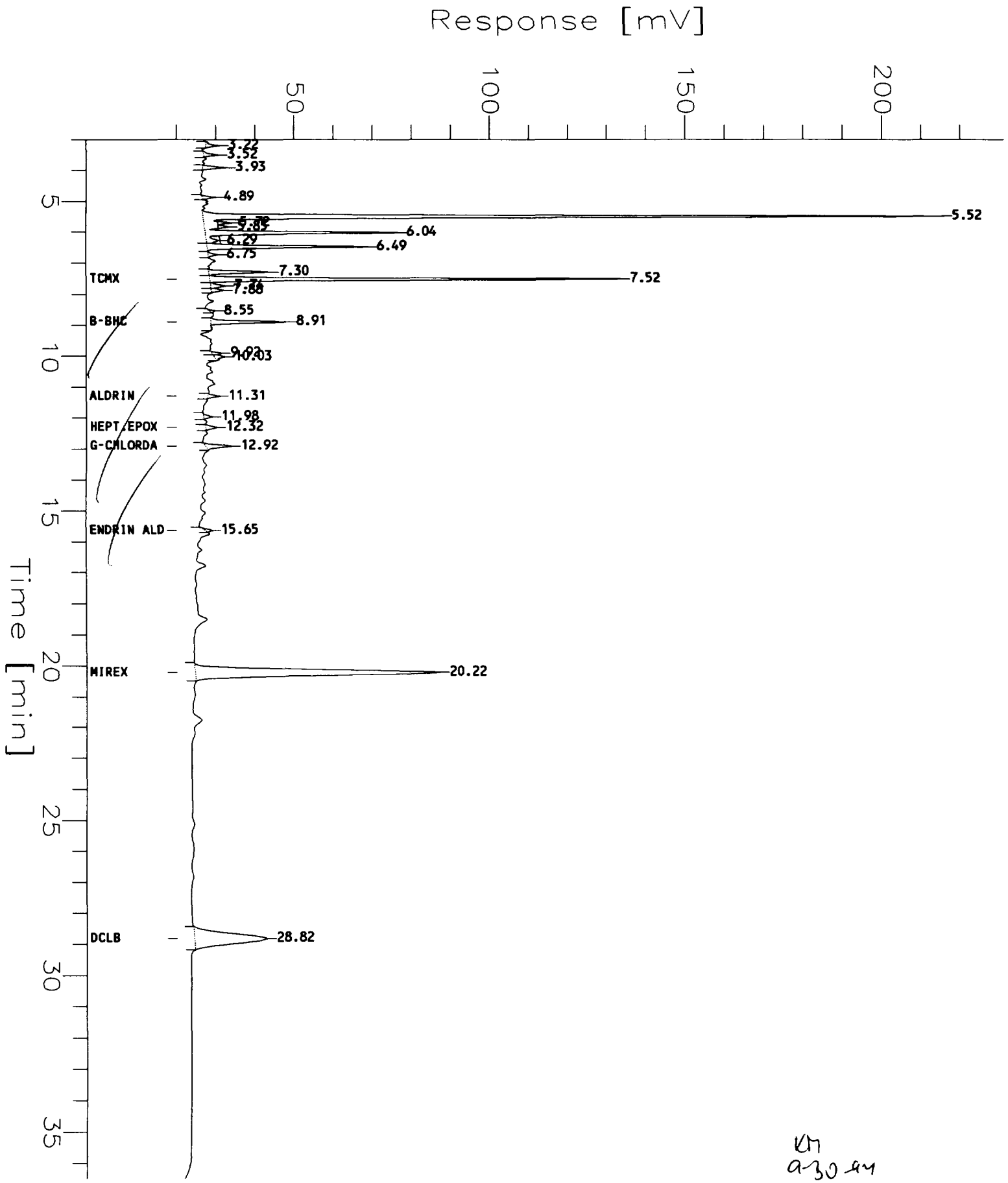
# Chromatogram

Sample Name : 94ZB19S08
FileName : C:\2700\DATA2\2AL_030.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 0 Plot Offset: 20 mV

Sample #: 30
Date : 9/29/94 11:19 AM
Low Point : 20.00 mV
Plot Scale: 200 mV



High Point : 220.00 mV




KM
9-30-94

DCB Rec. Re-runs

Date: 26-10-94

To: Ms. Linda Evangelista

From: Krystyna Minczuk KM

Subject: Check an operational status of HP 5890A GC/EC (GC#5) and re-run samples for surrogate recoveries.

The purpose of this study was to check the recovery of Pesticide surrogate standards: TCMX and DCLB. The procedure involved re-running four (4) samples: MB92594, 94ZB19S01, 94ZB19S05 and PE PR713 from data set SF 940152 previously run on GC#1. All samples had at least one surrogate with poor recovery.
In the first step of the procedure the nitrogen gas supply was checked for pressure, the flow rate for make up gas was set at ca 55 ml/min for both columns and the split flow was set at ca 56 ml/min. Secondly, columns compensation were done and the initial calibration for Pesticide A Mix and Pesticide B Mix was set up on the GC #5. The four samples were run twice.

The initial calibration on the primary column for Pesticide A Mix and Pesticide B Mix were all acceptable, meeting or exceeding CRL requirements with correlation coefficients of 0.995 or greater with the exceptions of: Heptachlor (0.994), p,p'-DDT (0.992) and Methoxychlor (0.994) in Pest A Mix. In order to achieve acceptable values for Pesticide A Mix, the results from Level 4 standard had to be dropped from the calibration curve, resulting in a four level calibration for these analytes.

The initial calibration for Pesticide A Mix and Pesticide B Mix on the secondary column were all acceptable with correlation coefficients of 0.995 or greater with the exceptions of: Endrin (0.994) in Pesticide A Mix and Endrin Aldehyde (0.993) in Pesticide B Mix.

The surrogates recoveries were generally in agreement with the previous run with the exception of sample 94ZB19S01 which had a much higher recovery on both columns on GC# 5 than on GC #1.

Generally all chromatograms on GC# 5 were acceptable, hoverer the percent degradation for Endrin on the primary (db-608) column was above the 15% which mean that the instrument needs some additional maintenance.

Included with this report are the chromatograms of initial calibration curves for Pesticide A and Pesticide B for both DB-608 and DB-5 columns and chromatograms of samples.
All surrogate recoveries are present in the Tables.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

TCMX SURROGATE RECOVERY

DATE: 10-12-1994

| | | ORIGINAL RUN GC#1 | | | | RE-RUN #1 GC#5 | | | | RE-RUN #2 GC#5 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PRIMARY COL | | SEC COL | | PRIMARY COL | | SEC COL | | PRIMARY COL | | SEC COL | |
| SAMPLE NAME | AMOUNT ADDED | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC |
| SF 940152 MB 92594 | 0.100 | 0.037 | 36.7 | 0.039 | 38.5 | 0.033 | 32.5 | 0.049 | 48.5 | 0.040 | 40.2 | 0.052 | 52.3 |
| SF 940152 94ZB19S01 | 0.100 | 0.040 | 40.0 | 0.043 | 42.5 | 0.077 | 77.2 | 0.082 | 81.8 | 0.081 | 80.8 | 0.079 | 79.2 |
| SF 940152 94ZB19S05 | 0.100 | 0.038 | 37.8 | 0.041 | 41.2 | 0.035 | 35.0 | 0.049 | 48.9 | 0.031 | 31.3 | 0.047 | 47.3 |
| SF 940152 PE PR713 | 0.100 | 0.092 | 91.5 | 0.096 | 96.2 | 0.059 | 58.9 | 0.095 | 95.4 | 0.063 | 63.3 | 0.092 | 91.6 |

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION V CENTRAL REGIONAL LABORATORY - CHICAGO, IL

DCB SURROGATE RECOVERY

DATE: 10-12-1994

| | | ORIGINAL RUN GC#1 | | | | RE-RUN #1 GC#5 | | | | RE-RUN #2 GC#5 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | PRIMARY COL | | SEC COL | | PRIMARY COL | | SEC COL | | PRIMARY COL | | SEC COL | |
| SAMPLE NAME | AMOUNT ADDED | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC | AMOUNT FOUND | % REC |
| SF 940152 MB 92594 | 0.100 | 0.052 | 52.0 | 0.053 | 52.5 | 0.054 | 54.4 | 0.054 | 54.2 | 0.060 | 59.5 | 0.063 | 62.9 |
| SF 940152 94ZB19S01 | 0.100 | 0.052 | 51.6 | 0.052 | 52.3 | 0.093 | 92.7 | 0.101 | 101.0 | 0.092 | 91.8 | 0.109 | 108.6 |
| SF 940152 94ZB19S05 | 0.100 | 0.077 | 76.8 | 0.083 | 83.4 | 0.074 | 73.6 | 0.091 | 91.0 | 0.076 | 75.9 | 0.094 | 93.5 |
| SF 940152 PE PR713 | 0.100 | 0.038 | 38.2 | 0.023 | 23.4 | 0.027 | 26.7 | 0.029 | 29.2 | 0.016 | 16.1 | 0.028 | 28.0 |

X

Software Version: 3.2 <0E01>
Sample Name : PEST A L1 Time : 10/26/94 12:29 PM
Sample Number: 4 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 06:10 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

PRIMARY COLUMN

Raw Data File : C:\2700\DATA1\1STD004.raw
Result File : C:\2700\DATA1\1STD004.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.42 | a-BHC | 0.0031 | 11030 | 1865 | MIREX | 3.5515e6 |
| 2 | 9.34 | LINDANE | 0.0029 | 11918 | 2328 | MIREX | 4.1096e6 |
| 3 | 10.09 | HEPTACHLOR | 0.0030 | 13684 | 2821 | MIREX | 4.5790e6 |
| 4 | 13.10 | ENDO I | 0.0028 | 16702 | 3420 | MIREX | 6.0428e6 |
| 5 | 13.92 | DIELDRIN | 0.0054 | 33086 | 6607 | MIREX | 6.1656e6 |
| 6 | 14.98 | ENDRIN | 0.0058 | 16378 | 3289 | MIREX | 2.8280e6 |
| 7 | 15.19 | p,p-DDD | 0.0062 | 9672 | 2002 | MIREX | 1.5635e6 |
| 8 | 16.11 | p,p'-DDT | 0.0062 | 15568 | 3087 | MIREX | 2.4940e6 |
| 9 | 19.63 | METHOXYCHLOR | 0.0339 | 25615 | 3796 | MIREX | 7.5627e5 |
| 10 | 20.21 | MIREX | 0.0000 | 537955 | 58058 | MIREX | ------- |
| | | | 0.0692 | 691607 | 87271 | | 3.2090e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

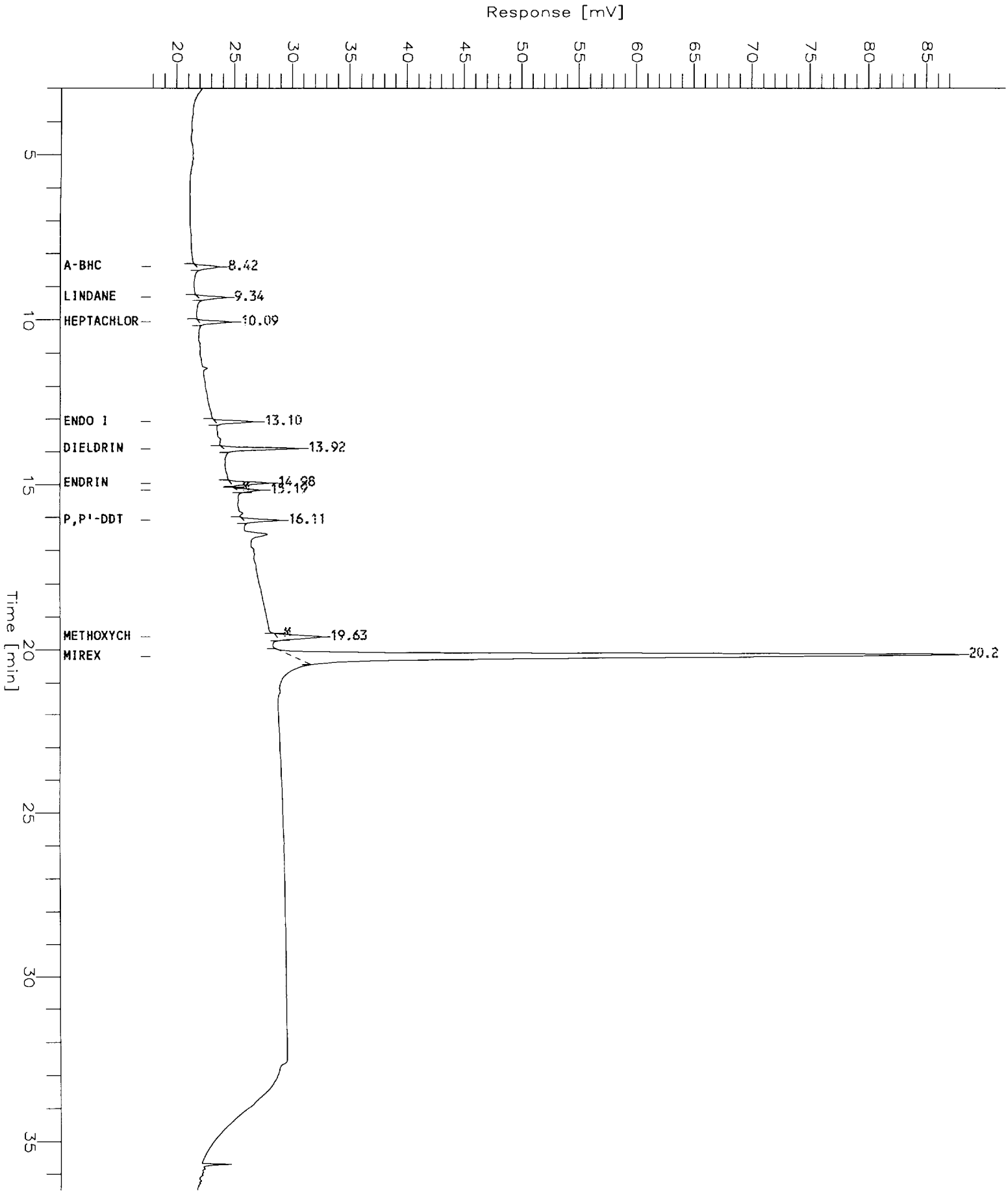
Report Stored in ASCII File: C:\2700\DATA1\1STD004.TX0

Chromatogram

Sample Name : PEST A L1
FileName : C:\2700\DATA1\1STD004.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 18 mV

Sample #: 4
Date : 10/26/94 12:29 PM
Low Point : 17.83 mV High Point : 87.97 mV
Plot Scale: 70 mV





Software Version: 3.2 <0E01>
Sample Name : PEST A L2 Time : 10/26/94 12:35 PM
Sample Number: 5 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 06:48 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD005.raw
Result File : C:\2700\DATA1\1STD005.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.42 | a-BHC | 0.0041 | 25580 | 3966 | MIREX | 6.3065e6 |
| 2 | 9.34 | LINDANE | 0.0042 | 29238 | 5079 | MIREX | 6.9742e6 |
| 3 | 10.09 | HEPTACHLOR | 0.0042 | 27176 | 5437 | MIREX | 6.5023e6 |
| 4 | 13.10 | ENDO I | 0.0043 | 33829 | 6727 | MIREX | 7.8860e6 |
| 5 | 13.92 | DIELDRIN | 0.0090 | 67955 | 13215 | MIREX | 7.5828e6 |
| 6 | 14.97 | ENDRIN | 0.0089 | 35503 | 6683 | MIREX | 4.0121e6 |
| 7 | 15.19 | p,p-DDD | 0.0082 | 21261 | 3612 | MIREX | 2.6009e6 |
| 8 | 16.11 | p,p'-DDT | 0.0081 | 28198 | 5276 | MIREX | 3.4981e6 |
| 10 | 19.63 | METHOXYCHLOR | 0.0442 | 49565 | 6460 | MIREX | 1.1220e6 |
| 11 | 20.21 | MIREX | 0.0000 | 514112 | 53562 | MIREX | ------- |
| | | | 0.0949 | 832415 | 110018 | | 4.6485e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

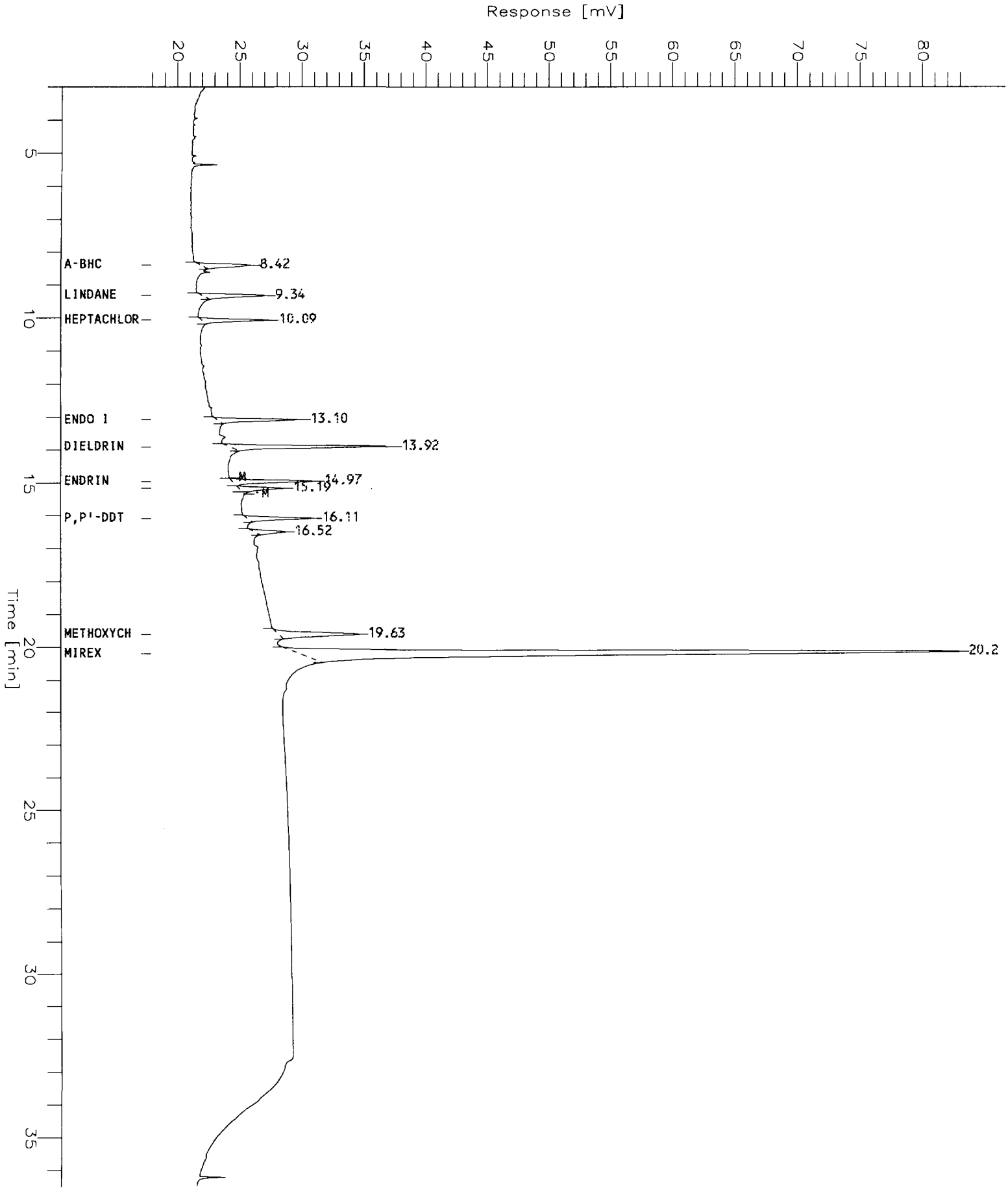
Report Stored in ASCII File: C:\2700\DATA1\1STD005.TX0

Chromatogram

Sample Name : PEST A L2
FileName : C:\2700\DATA1\1STD005.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 18 mV

Sample #: 5
Date : 10/26/94 12:35 PM
Low Point : 17.96 mV High Point : 83.04 mV
Plot Scale: 65 mV





Software Version: 3.2 <0E01>
Sample Name : PEST A L3 Time : 10/26/94 12:33 PM
Sample Number: 6 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 07:26 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD006.raw
Result File : C:\2700\DATA1\1STD006.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.41 | a-BHC | 0.0129 | 161291 | 27261 | MIREX | 1.2483e7 |
| 2 | 9.33 | LINDANE | 0.0131 | 148255 | 29886 | MIREX | 1.1340e7 |
| 3 | 10.08 | HEPTACHLOR | 0.0136 | 133424 | 27246 | MIREX | 9.8406e6 |
| 4 | 13.09 | ENDO I | 0.0132 | 133415 | 28027 | MIREX | 1.0136e7 |
| 5 | 13.92 | DIELDRIN | 0.0260 | 233217 | 48431 | MIREX | 8.9690e6 |
| 6 | 14.97 | ENDRIN | 0.0254 | 139144 | 28668 | MIREX | 5.4742e6 |
| 7 | 15.17 | p,p-DDD | 0.0258 | 123913 | 24462 | MIREX | 4.8054e6 |
| 8 | 16.10 | p,p'-DDT | 0.0221 | 125810 | 25447 | MIREX | 5.6884e6 |
| 10 | 19.62 | METHOXYCHLOR | 0.1370 | 265232 | 34170 | MIREX | 1.9363e6 |
| 11 | 20.20 | MIREX | 0.0000 | 697036 | 74750 | MIREX | ------- |
| | | | 0.2890 | 2160736 | 348349 | | 7.0675e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

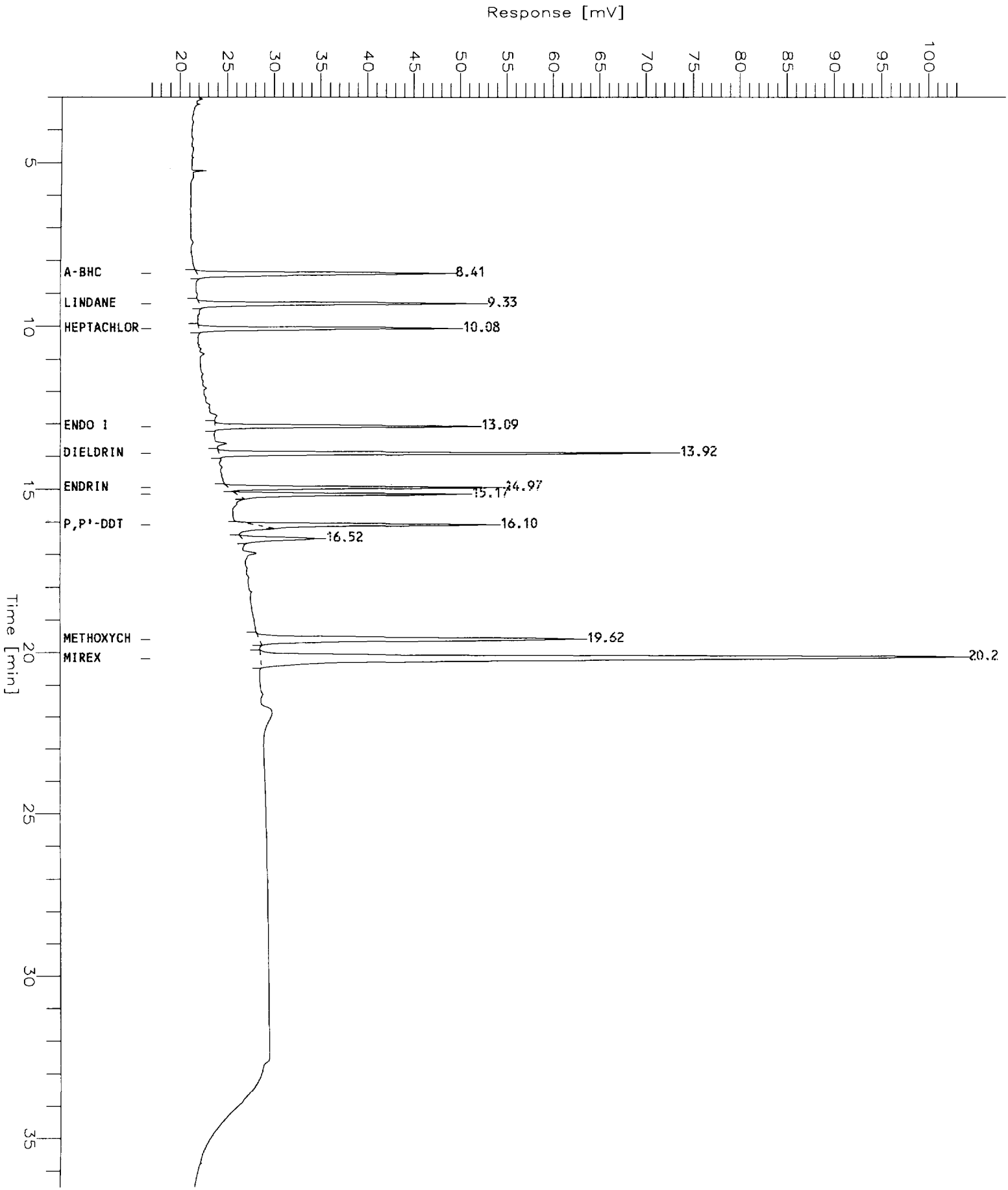
Report Stored in ASCII File: C:\2700\DATA1\1STD006.TX0

Chromatogram

Sample Name : PEST A L3
FileName : C:\2700\DATA1\1STD006.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: 6
Date : 10/26/94 12:33 PM
Low Point : 16.99 mV High Point : 103.45 mV
Plot Scale: 87 mV





==========
Software Version: 3.2 <0E01>
Sample Name : PEST A L4 Time : 10/26/94 12:33 PM
Sample Number: 7 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 08:03 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD007.raw
Result File : C:\2700\DATA1\1STD007.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

==========

**EXTERNAL STANDARD TABLE**

==========
DB-608 COLUMN
==========

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.42 | a-BHC | 0.0141 | 178749 | 25984 | MIREX | 1.2712e7 |
| 2 | 9.34 | LINDANE | 0.0143 | 164324 | 29372 | MIREX | 1.1514e7 |
| 3 | 10.09 | HEPTACHLOR | 0.0136 | 133962 | 25708 | MIREX | 9.8458e6 |
| 4 | 13.10 | ENDO I | 0.0162 | 167181 | 33137 | MIREX | 1.0339e7 |
| 5 | 13.92 | DIELDRIN | 0.0340 | 310688 | 62265 | MIREX | 9.1403e6 |
| 6 | 14.97 | ENDRIN | 0.0279 | 154525 | 31474 | MIREX | 5.5431e6 |
| 7 | 15.18 | p,p-DDD | 0.0300 | 148697 | 27167 | MIREX | 4.9503e6 |
| 8 | 16.10 | p,p'-DDT | 0.0295 | 177215 | 33858 | MIREX | 6.0033e6 |
| 10 | 19.62 | METHOXYCHLOR | 0.1552 | 307540 | 39230 | MIREX | 1.9818e6 |
| 11 | 20.20 | MIREX | 0.0000 | 655565 | 68079 | MIREX | ------- |
| | | | 0.3347 | 2398445 | 376274 | | 7.2031e7 |

Missing Component Report
Component Expected Retention (Sample File)
---
All Components Were Found

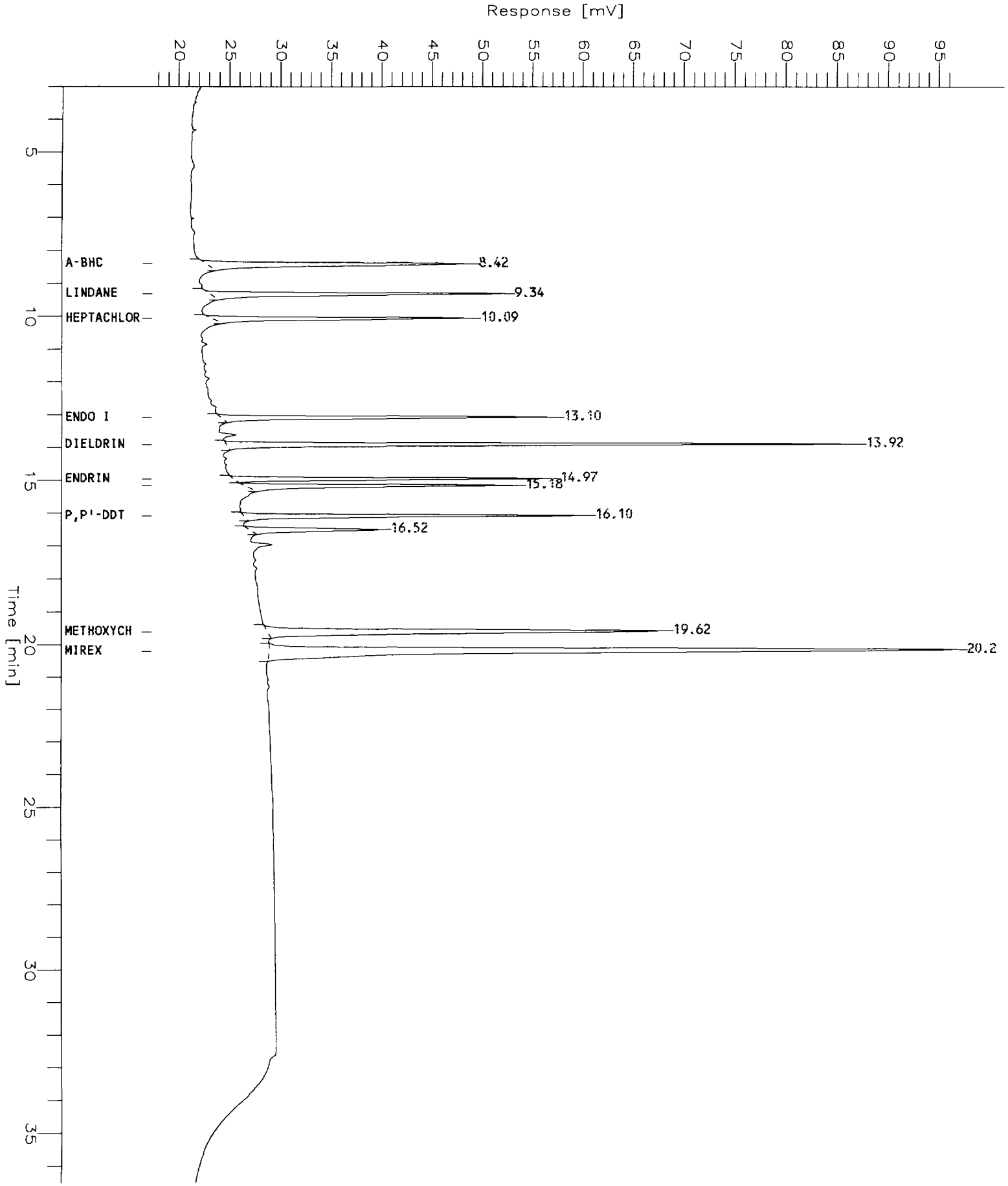
Report Stored in ASCII File: C:\2700\DATA1\1STD007.TX0

Chromatogram

Sample Name : PEST A L4
FileName : C:\2700\DATA1\1STD007.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: 7
Date : 10/26/94 12:33 PM
Low Point : 17.42 mV High Point : 96.95 mV
Plot Scale: 80 mV





Software Version: 3.2 <0E01>
Sample Name : PEST A L5 Time : 10/26/94 12:33 PM
Sample Number: 8 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 08:41 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD008.raw
Result File : C:\2700\DATA1\1STD008.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.41 | a-BHC | 0.0249 | 344983 | 58034 | MIREX | 1.3844e7 |
| 2 | 9.33 | LINDANE | 0.0248 | 305903 | 60462 | MIREX | 1.2317e7 |
| 3 | 10.08 | HEPTACHLOR | 0.0249 | 261885 | 53043 | MIREX | 1.0518e7 |
| 4 | 13.09 | ENDO I | 0.0248 | 263892 | 55807 | MIREX | 1.0647e7 |
| 5 | 13.92 | DIELDRIN | 0.0497 | 462742 | 95735 | MIREX | 9.3163e6 |
| 6 | 14.97 | ENDRIN | 0.0499 | 292548 | 59805 | MIREX | 5.8577e6 |
| 7 | 15.17 | p,p-DDD | 0.0499 | 264196 | 52172 | MIREX | 5.2994e6 |
| 8 | 16.10 | p,p'-DDT | 0.0498 | 318264 | 56515 | MIREX | 6.3869e6 |
| 10 | 19.61 | METHOXYCHLOR | 0.2536 | 536274 | 68528 | MIREX | 2.1146e6 |
| 11 | 20.20 | MIREX | 0.0000 | 707413 | 73330 | MIREX | ------- |
| | | | 0.5523 | 3758100 | 633429 | | 7.6302e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

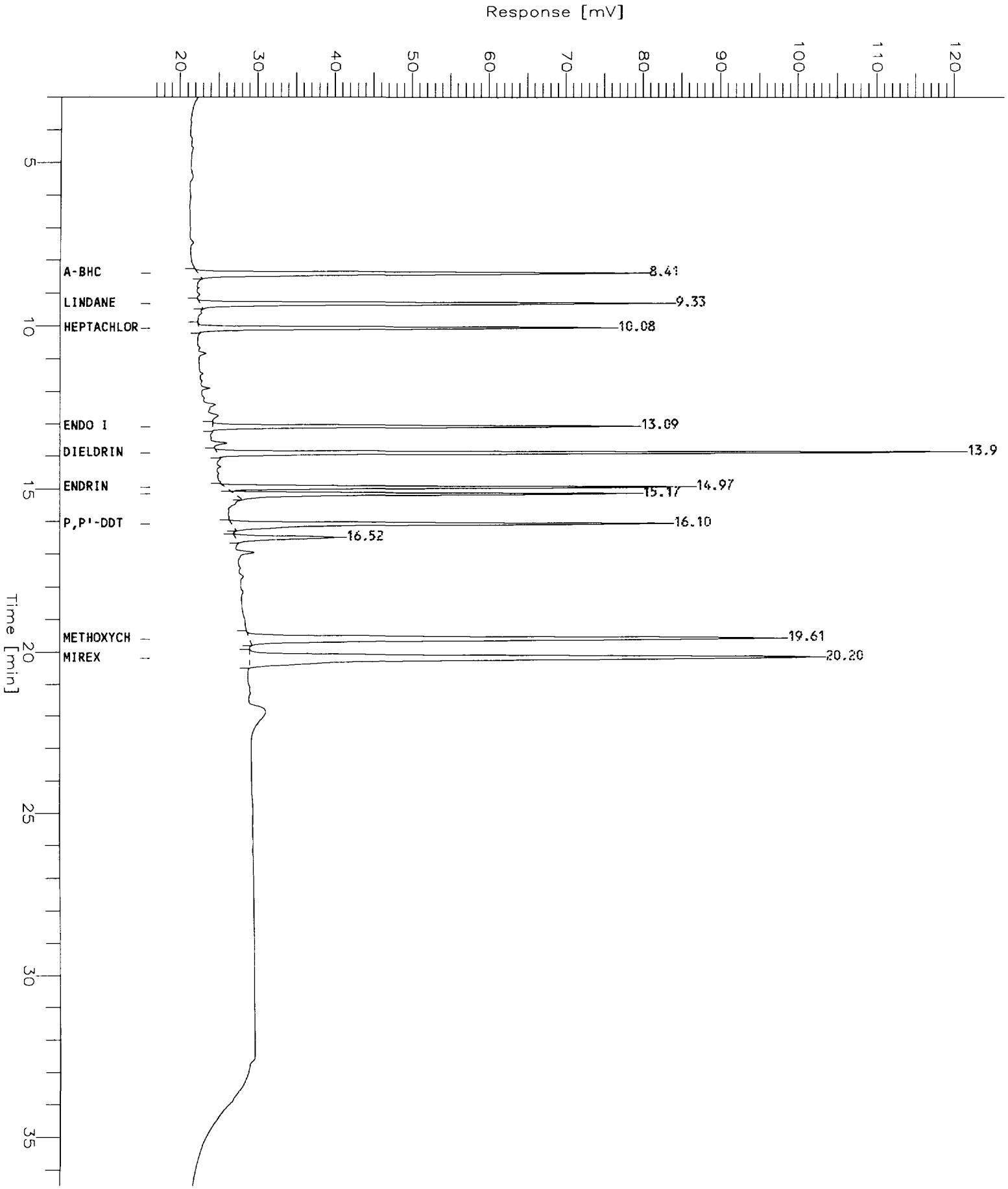
Report Stored in ASCII File: C:\2700\DATA1\1STD008.TX0

Chromatogram

Sample Name : PEST A L5
FileName : C:\2700\DATA1\1STD008.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 16 mV

Sample #: 8
Date : 10/26/94 12:33 PM
Low Point : 16.34 mV High Point : 120.67 mV
Plot Scale: 104 mV





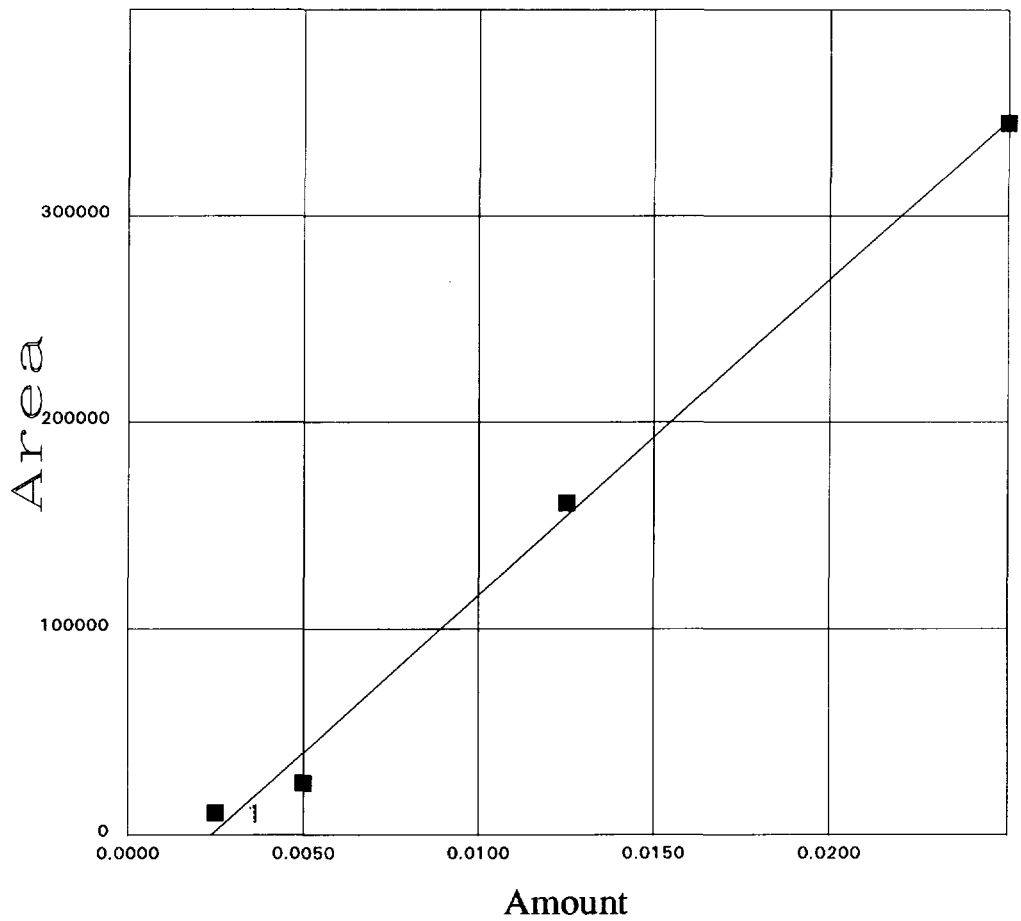
CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:42 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995316
Calibration Curve = (-36518.632813) + (15310166.000000)X

PRIMARY COLUMN

# a-BHC



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:42 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995316

Calibration Curve = (-36518.632813) + (15310166.000000)X

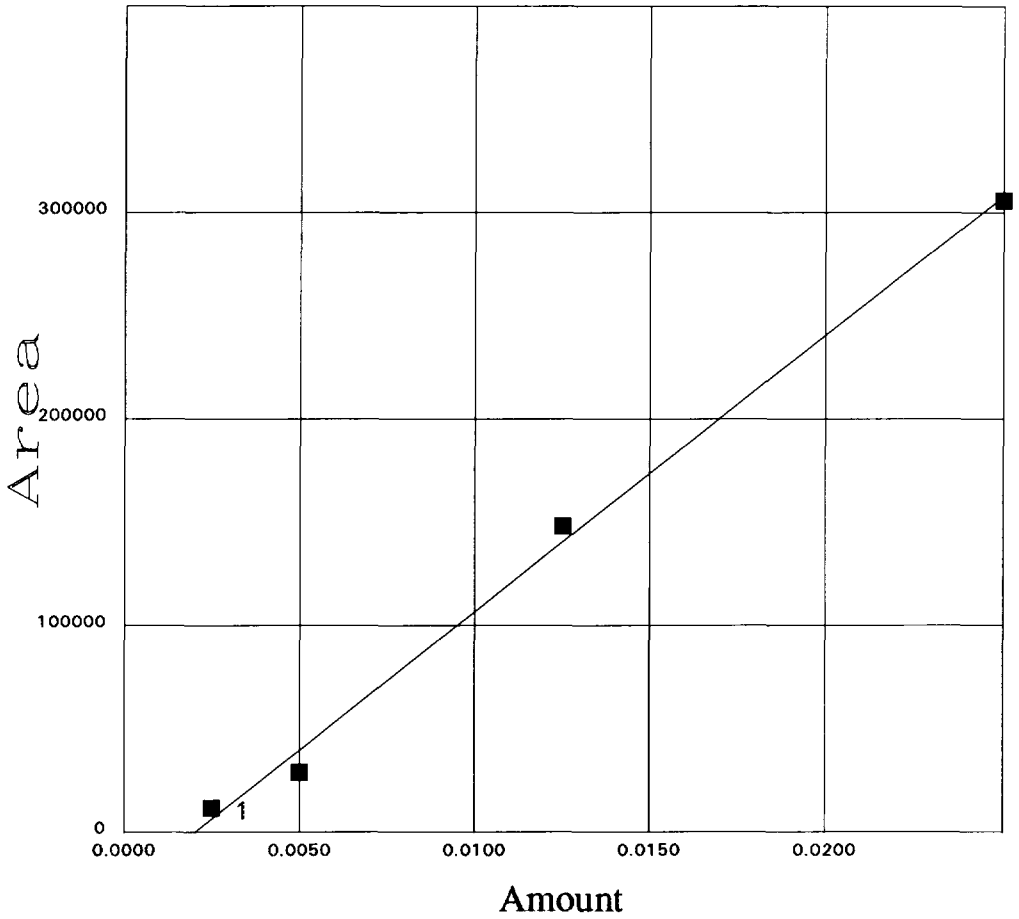
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.003106 | -0.000606 | -24.228 | 11030.000000 | 1756.784912 | 9273.214844 | 84.073 |
| 2 | 0.005000 | 0.004056 | 0.000944 | 18.880 | 25579.500000 | 40032.203125 | -14452.703125 | -56.501 |
| 3 | 0.012500 | 0.012920 | -0.000420 | -3.361 | 161291.000000 | 154858.453125 | 6432.546875 | 3.988 |
| 5 | 0.025000 | 0.024918 | 0.000082 | 0.327 | 344982.500000 | 346235.562500 | -1253.062500 | -0.363 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996203
Calibration Curve = (-26948.050781) + (13402348.000000)X

# LINDANE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996203

Calibration Curve = (-26948.050781) + (13402348.000000)X

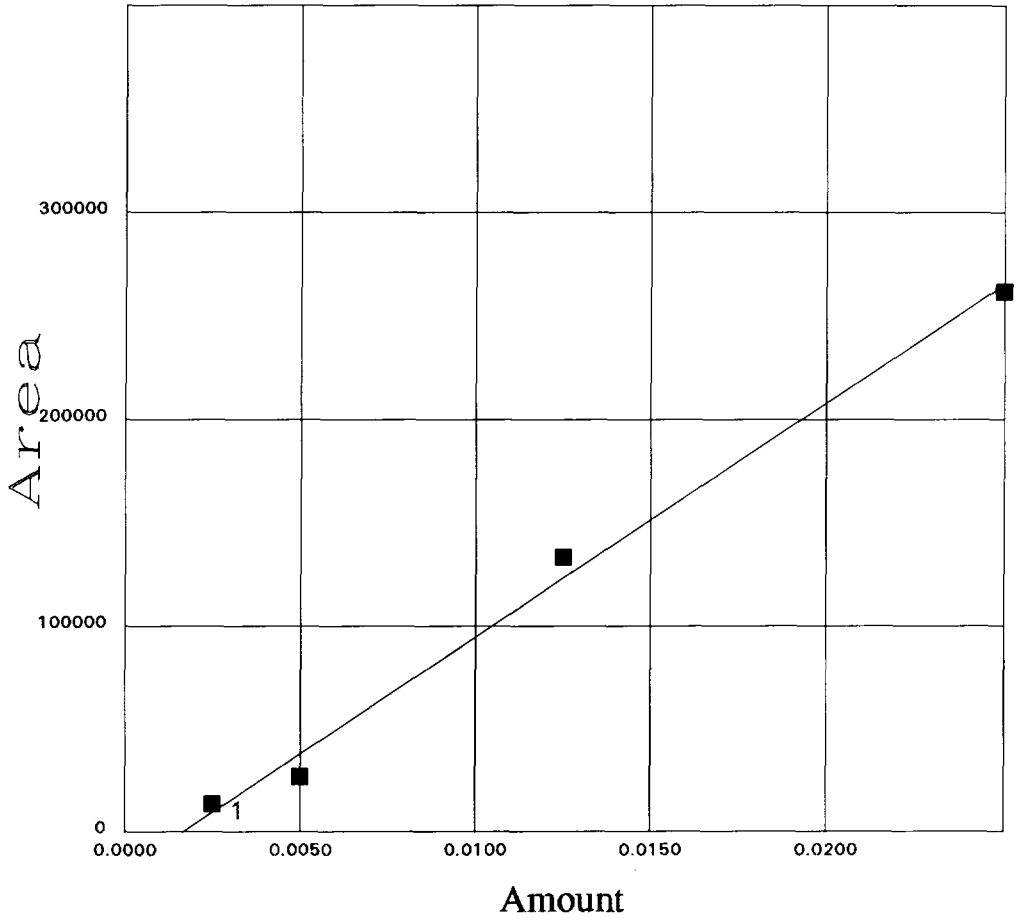
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002900 | -0.000400 | -15.996 | 11917.500000 | 6557.821777 | 5359.678223 | 44.973 |
| 2 | 0.005000 | 0.004192 | 0.000808 | 16.155 | 29238.000000 | 40063.695313 | -10825.695313 | -37.026 |
| 3 | 0.012500 | 0.013073 | -0.000573 | -4.581 | 148255.000000 | 140581.312500 | 7673.687500 | 5.176 |
| 5 | 0.025000 | 0.024835 | 0.000165 | 0.659 | 305903.000000 | 308110.687500 | -2207.687500 | -0.722 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:44 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.993727
Calibration Curve = (-18725.433594) + (11357115.000000)X

# HEPTACHLOR



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:44 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.993727

Calibration Curve = (-18725.433594) + (11357115.000000)X

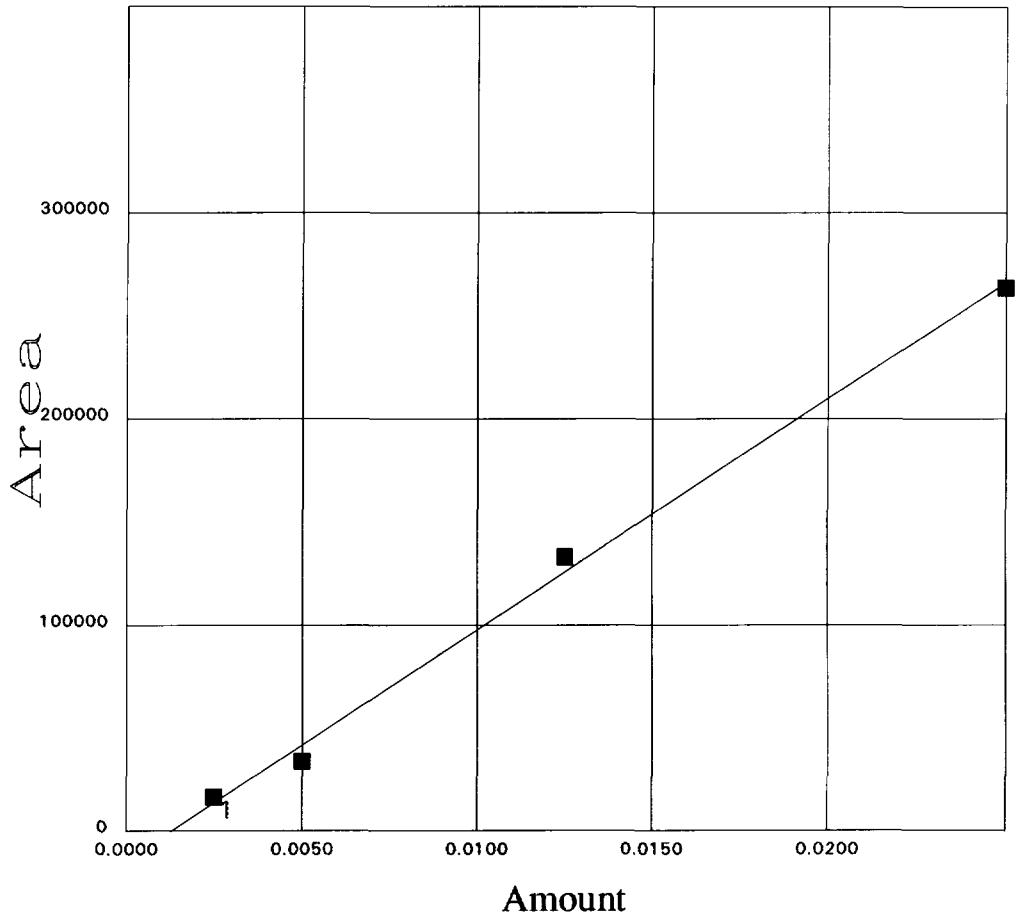
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002854 | -0.000354 | -14.147 | 13684.000000 | 9667.355469 | 4016.644531 | 29.353 |
| 2 | 0.005000 | 0.004042 | 0.000958 | 19.168 | 27175.500000 | 38060.144531 | -10884.644531 | -40.053 |
| 3 | 0.012500 | 0.013397 | -0.000897 | -7.175 | 133424.000000 | 123238.515625 | 10185.484375 | 7.634 |
| 5 | 0.025000 | 0.024708 | 0.000292 | 1.168 | 261885.000000 | 265202.468750 | -3317.468750 | -1.267 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996558
Calibration Curve = (-14323.730469) + (11225174.000000)X

# ENDO I



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996558

Calibration Curve = (-14323.730469) + (11225174.000000)X

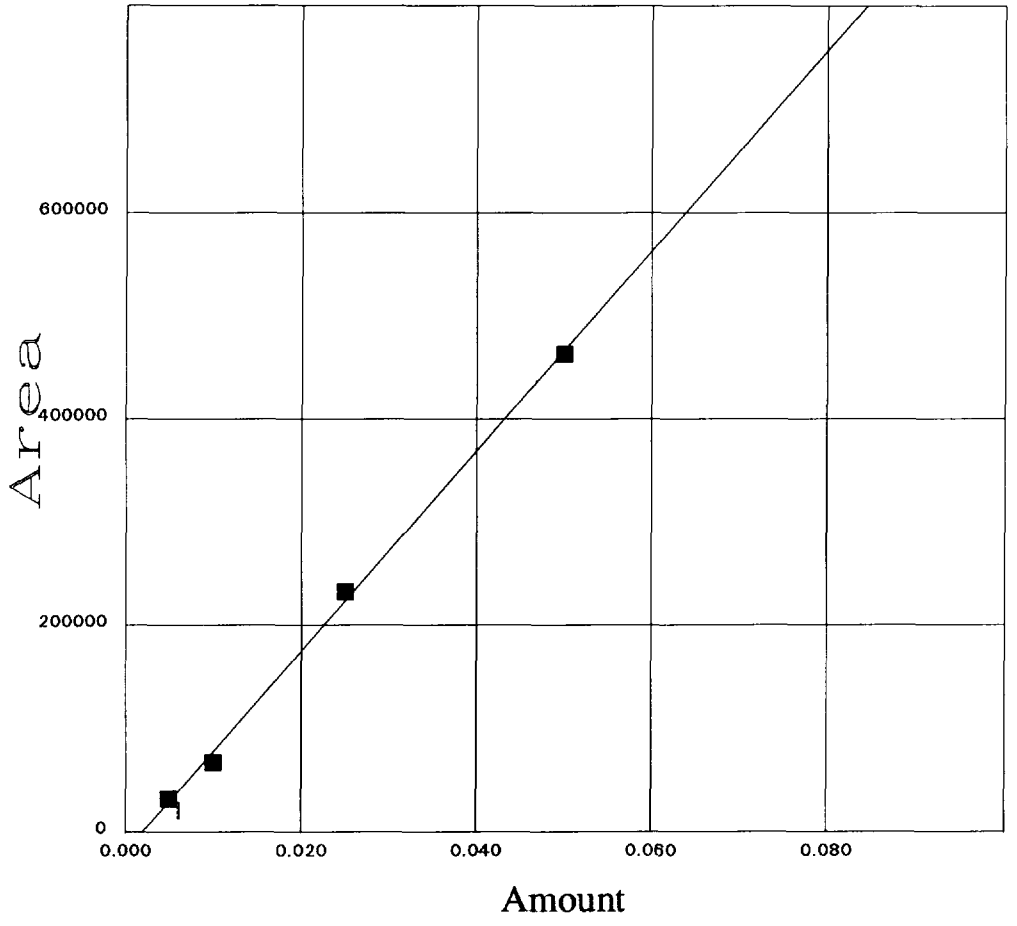
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002764 | -0.000264 | -10.558 | 16702.000000 | 13739.206055 | 2962.793945 | 17.739 |
| 2 | 0.005000 | 0.004290 | 0.000710 | 14.206 | 33829.000000 | 41802.144531 | -7973.144531 | -23.569 |
| 3 | 0.012500 | 0.013161 | -0.000661 | -5.291 | 133414.968750 | 125990.960938 | 7424.007813 | 5.565 |
| 5 | 0.025000 | 0.024785 | 0.000215 | 0.860 | 263892.000000 | 266305.656250 | -2413.656250 | -0.915 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:46 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998105
Calibration Curve = (-18954.443359) + (9697969.000000)X

# DIELDRIN



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:46 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998105

Calibration Curve = (-18954.443359) + (9697969.000000)X

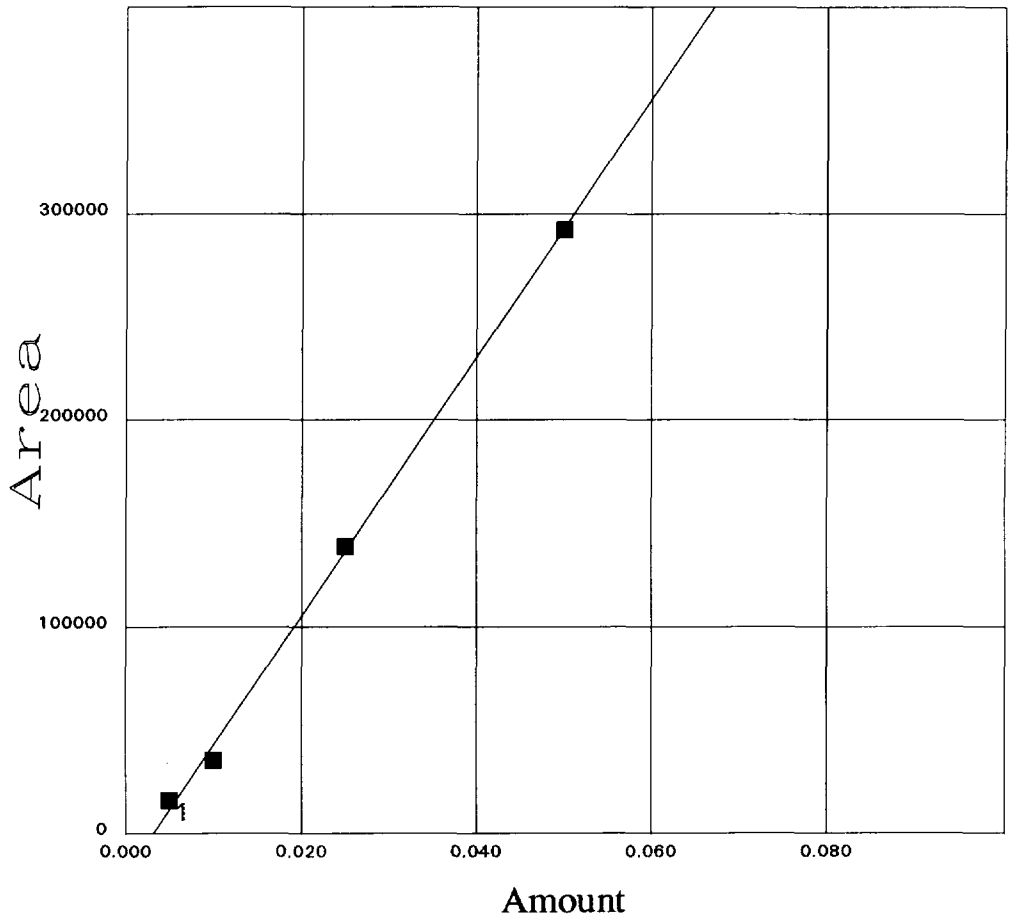
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005366 | -0.000366 | -7.321 | 33085.500000 | 29535.404297 | 3550.095703 | 10.730 |
| 2 | 0.010000 | 0.008962 | 0.001038 | 10.384 | 67955.031250 | 78025.250000 | -10070.218750 | -14.819 |
| 3 | 0.025000 | 0.026003 | -0.001003 | -4.010 | 233217.000000 | 223494.796875 | 9722.203125 | 4.169 |
| 5 | 0.050000 | 0.049670 | 0.000330 | 0.660 | 462742.000000 | 465944.062500 | -3202.062500 | -0.692 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:46 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998265
Calibration Curve = (-19847.115234) + (6255122.500000)X

# ENDRIN



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:46 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998265

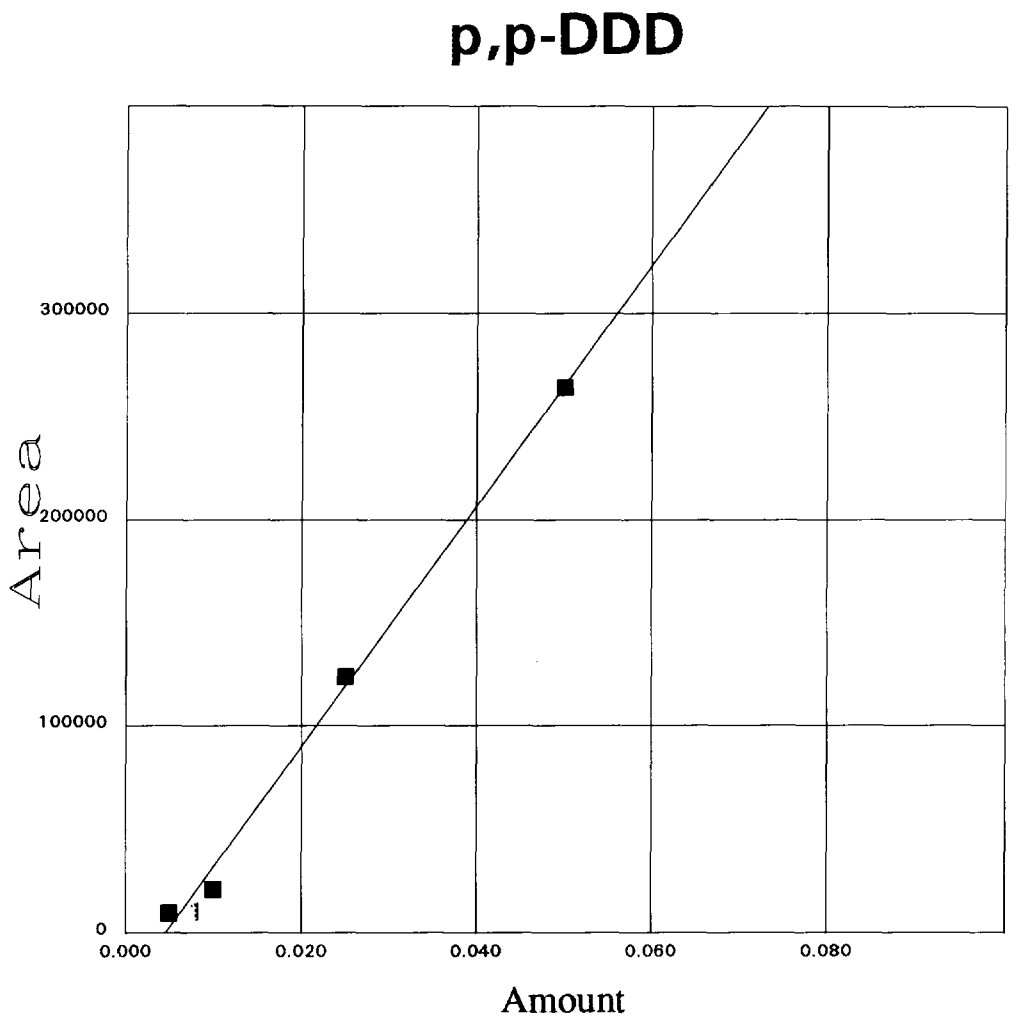
Calibration Curve = (-19847.115234) + (6255122.500000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005791 | -0.000791 | -15.825 | 16378.000000 | 11428.499023 | 4949.500977 | 30.220 |
| 2 | 0.010000 | 0.008849 | 0.001151 | 11.513 | 35502.781250 | 42704.113281 | -7201.332031 | -20.284 |
| 3 | 0.025000 | 0.025418 | -0.000418 | -1.671 | 139144.000000 | 136530.968750 | 2613.031250 | 1.878 |
| 5 | 0.050000 | 0.049942 | 0.000058 | 0.116 | 292547.843750 | 292909.031250 | -361.187500 | -0.124 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995628
Calibration Curve = (-26385.037109) + (5828693.500000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995628

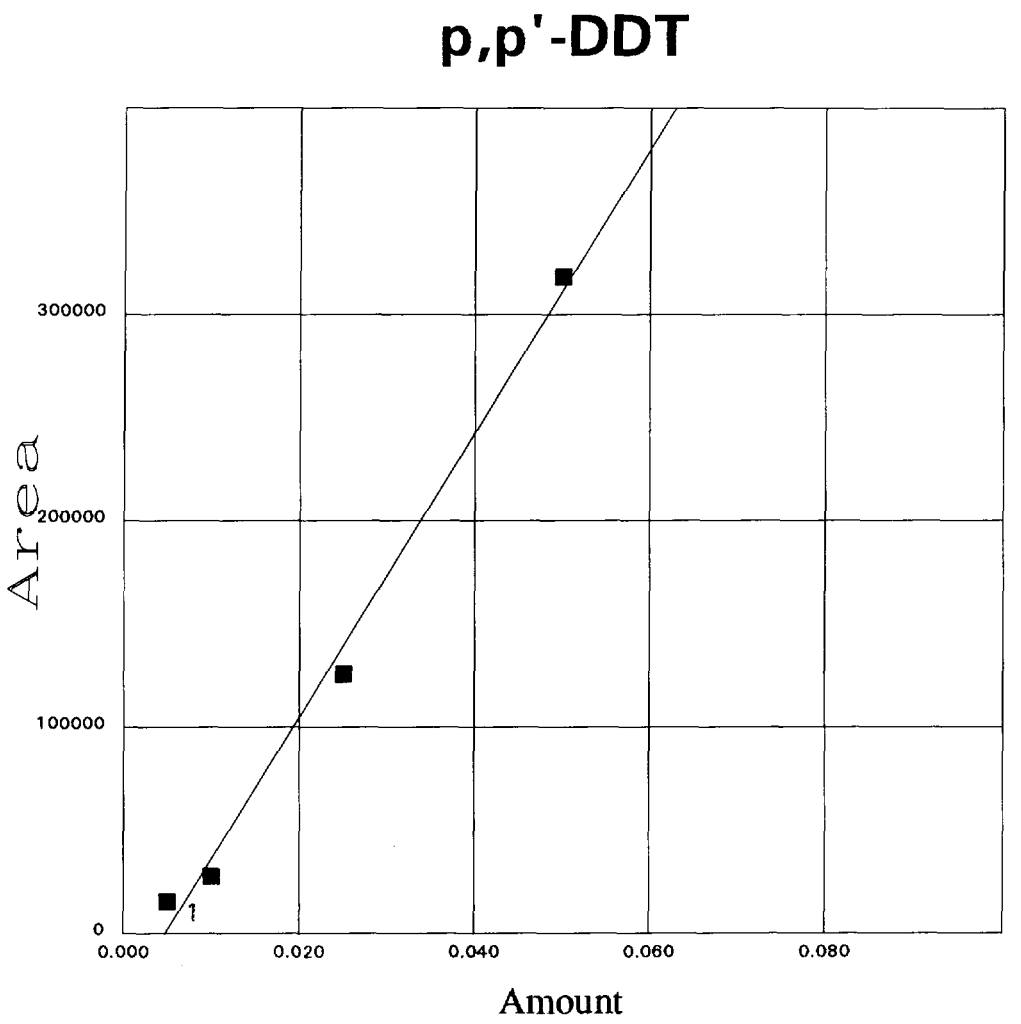
Calibration Curve = (-26385.037109) + (5828693.500000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.006186 | -0.001186 | -23.723 | 9672.015625 | 2758.432373 | 6913.583008 | 71.480 |
| 2 | 0.010000 | 0.008174 | 0.001826 | 18.256 | 21261.187500 | 31901.902344 | -10640.714844 | -50.048 |
| 3 | 0.025000 | 0.025786 | -0.000786 | -3.144 | 123913.000000 | 119332.312500 | 4580.687500 | 3.697 |
| 5 | 0.050000 | 0.049854 | 0.000146 | 0.293 | 264196.093750 | 265049.656250 | -853.562500 | -0.323 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:47 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.991732
Calibration Curve = (-33094.992188) + (6891327.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:47 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.991732

Calibration Curve = (-33094.992188) + (6891327.000000)X

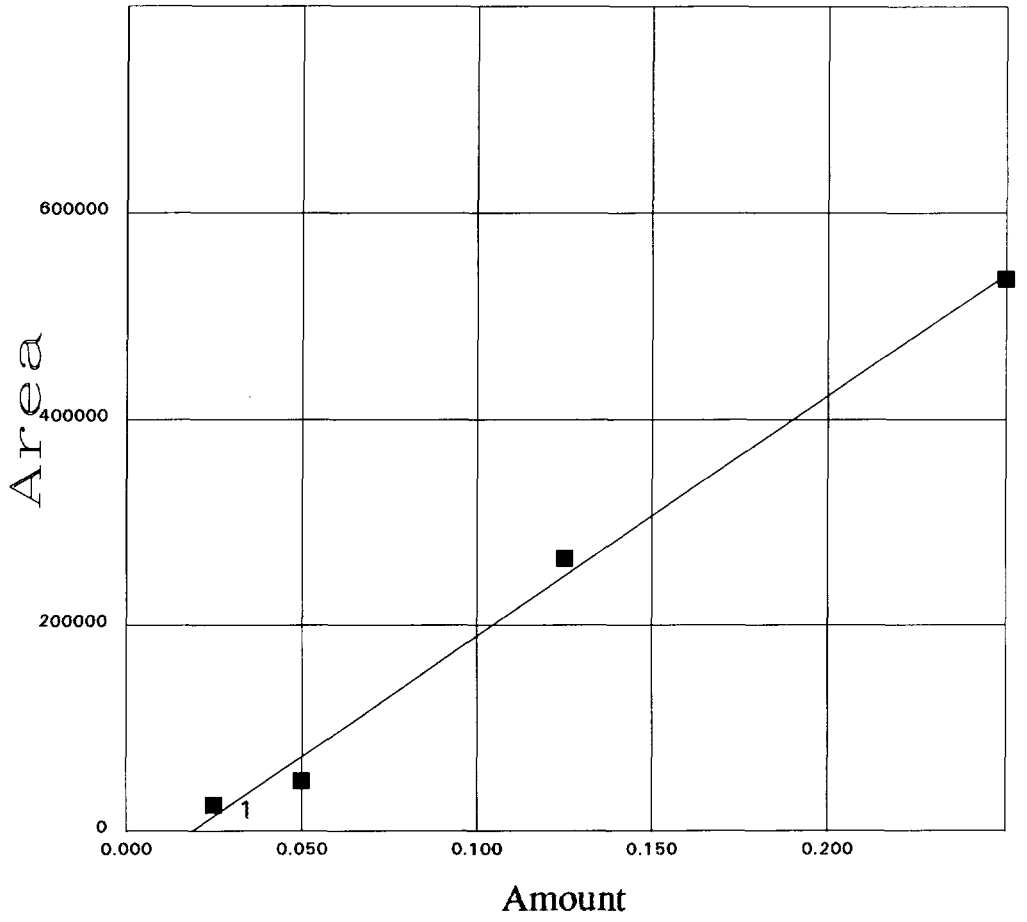
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.007062 | -0.002062 | -41.230 | 15568.000000 | 1361.645264 | 14206.354492 | 91.254 |
| 2 | 0.010000 | 0.008894 | 0.001106 | 11.059 | 28197.500000 | 35818.281250 | -7620.781250 | -27.026 |
| 3 | 0.025000 | 0.023059 | 0.001941 | 7.765 | 125810.000000 | 139188.203125 | -13378.203125 | -10.634 |
| 5 | 0.050000 | 0.050986 | -0.000986 | -1.971 | 318264.000000 | 311471.375000 | 6792.625000 | 2.134 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.994228
Calibration Curve = (-44267.507813) + (2341680.000000)X

# METHOXYCHLOR



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.994228

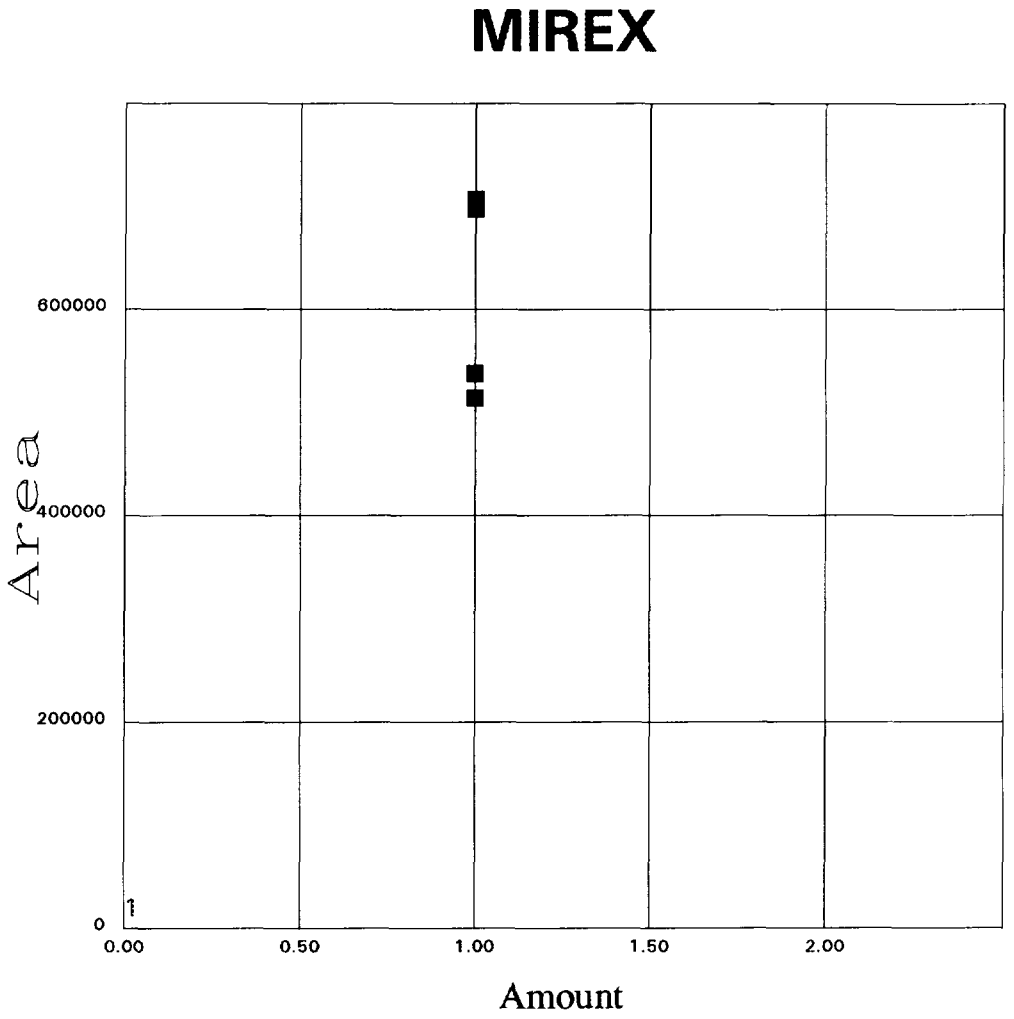
Calibration Curve = (-44267.507813) + (2341680.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.025000 | 0.029843 | -0.004843 | -19.372 | 25615.000000 | 14274.497070 | 11340.502930 | 44.273 |
| 2 | 0.050000 | 0.040071 | 0.009929 | 19.859 | 49565.000000 | 72816.500000 | -23251.500000 | -46.911 |
| 3 | 0.125000 | 0.132170 | -0.007170 | -5.736 | 265232.000000 | 248442.500000 | 16789.500000 | 6.330 |
| 5 | 0.250000 | 0.247917 | 0.002083 | 0.833 | 536274.000000 | 541152.500000 | -4878.500000 | -0.910 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000
Calibration Curve = (0.000000) + (0.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTA.SMP"
Date: 10/26/94 Time: 12:43 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000

Calibration Curve = (0.000000) + (0.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 1.000000 | ---------- | ---------- | ------- | 537954.937500 | 0.000000 | 537954.937500 | 100.000 |
| 2 | 1.000000 | ---------- | ---------- | ------- | 514111.937500 | 0.000000 | 514111.937500 | 100.000 |
| 3 | 1.000000 | ---------- | ---------- | ------- | 697036.000000 | 0.000000 | 697036.000000 | 100.000 |
| 5 | 1.000000 | ---------- | ---------- | ------- | 707413.000000 | 0.000000 | 707413.000000 | 100.000 |

Software Version: 3.2 <0E01>
Sample Name : PEST B L1 Time : 10/26/94 10:46 AM
Sample Number: 9 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 09:18 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD009.raw PRIMARY COLUMN
Result File : C:\2700\DATA1\1STD009.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.77 | TCMX | 0.0048 | 19260 | 1508 | TCMX | 4.0236e6 |
| 2 | 9.48 | b-BHC | 0.0033 | 12401 | 2539 | b-BHC | 3.7331e6 |
| 3 | 10.32 | d-BHC | 0.0033 | 15863 | 3676 | d-BHC | 4.8316e6 |
| 4 | 10.85 | ALDRIN | 0.0028 | 22051 | 4951 | ALDRIN | 7.9834e6 |
| 5 | 12.17 | HEPT.EPOXIDE | 0.0027 | 27143 | 5867 | HEPT.EPO | 1.0124e7 |
| 6 | 12.58 | g-CHLORDANE | 0.0029 | 29402 | 6245 | g-CHLORD | 1.0334e7 |
| 7 | 12.99 | a-CHLORDANE | 0.0028 | 28784 | 6107 | a-CHLORD | 1.0338e7 |
| 8 | 13.61 | p,p'-DDE | 0.0064 | 26617 | 5615 | p,p'-DDE | 4.1319e6 |
| 9 | 15.48 | ENDO II | 0.0053 | 41840 | 8304 | ENDO II | 7.9466e6 |
| 10 | 16.51 | ENDRIN ALD | 0.0051 | 28036 | 5092 | ENDRIN A | 5.4693e6 |
| 11 | 16.92 | END SULFATE | 0.0057 | 25147 | 4486 | END SULF | 4.4356e6 |
| 13 | 28.55 | DCLB | 0.0031 | 25726 | 1938 | DCLB | 8.2541e6 |
| | | | 0.0481 | 302267 | 56327 | | 8.1606e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

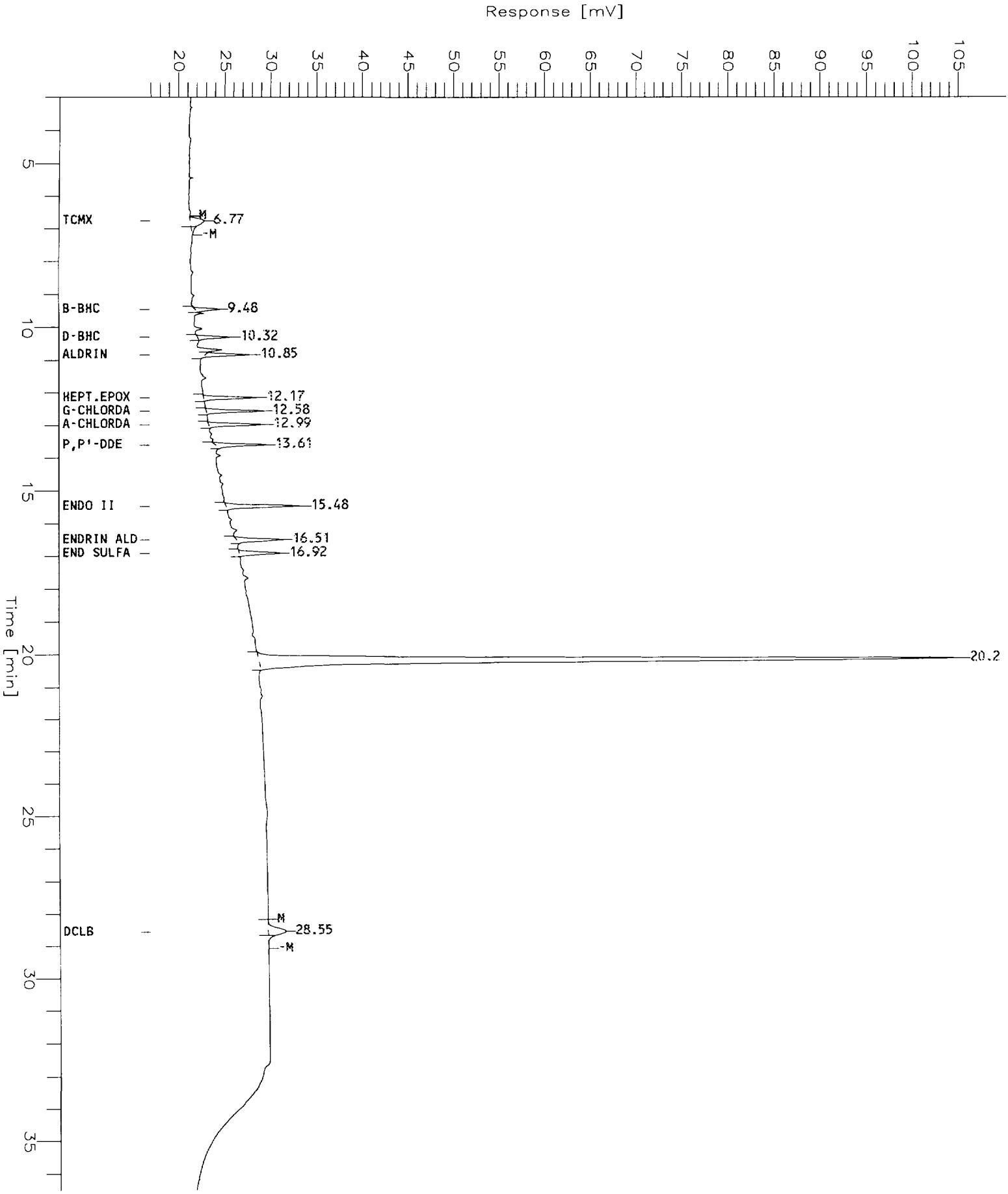
Report Stored in ASCII File: C:\2700\DATA1\1STD009.TX0

Chromatogram

Sample Name : PEST B L1
FileName : C:\2700\DATA1\1STD009.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: 9
Date : 10/26/94 10:46 AM
Low Point : 16.86 mV High Point : 105.30 mV
Plot Scale: 88 mV





Software Version: 3.2 <0E01>
Sample Name : PEST B L2 Time : 10/26/94 10:59 AM
Sample Number: 10 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 09:55 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD010.raw
Result File : C:\2700\DATA1\1STD010.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.78 | TCMX | 0.0040 | 14817 | 1282 | TCMX | 3.7304e6 |
| 2 | 9.48 | b-BHC | 0.0048 | 24286 | 3186 | b-BHC | 5.0397e6 |
| 3 | 10.33 | d-BHC | 0.0046 | 29240 | 4873 | d-BHC | 6.3307e6 |
| 4 | 10.85 | ALDRIN | 0.0046 | 40527 | 7667 | ALDRIN | 8.8905e6 |
| 5 | 12.17 | HEPT.EPOXIDE | 0.0043 | 41210 | 8657 | HEPT.EPO | 9.6102e6 |
| 6 | 12.58 | g-CHLORDANE | 0.0043 | 43890 | 9042 | g-CHLORD | 1.0142e7 |
| 7 | 12.99 | a-CHLORDANE | 0.0044 | 44089 | 9114 | a-CHLORD | 1.0114e7 |
| 8 | 13.61 | p,p'-DDE | 0.0083 | 39172 | 7695 | p,p'-DDE | 4.7235e6 |
| 9 | 15.48 | ENDO II | 0.0093 | 71046 | 13529 | ENDO II | 7.6542e6 |
| 10 | 16.51 | ENDRIN ALD | 0.0093 | 49491 | 8584 | ENDRIN A | 5.3053e6 |
| 11 | 16.93 | END SULFATE | 0.0089 | 43620 | 7608 | END SULF | 4.9082e6 |
| 13 | 28.55 | DCLB | 0.0051 | 45102 | 3552 | DCLB | 8.7729e6 |
| | | | 0.0719 | 486488 | 84788 | | 8.5222e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

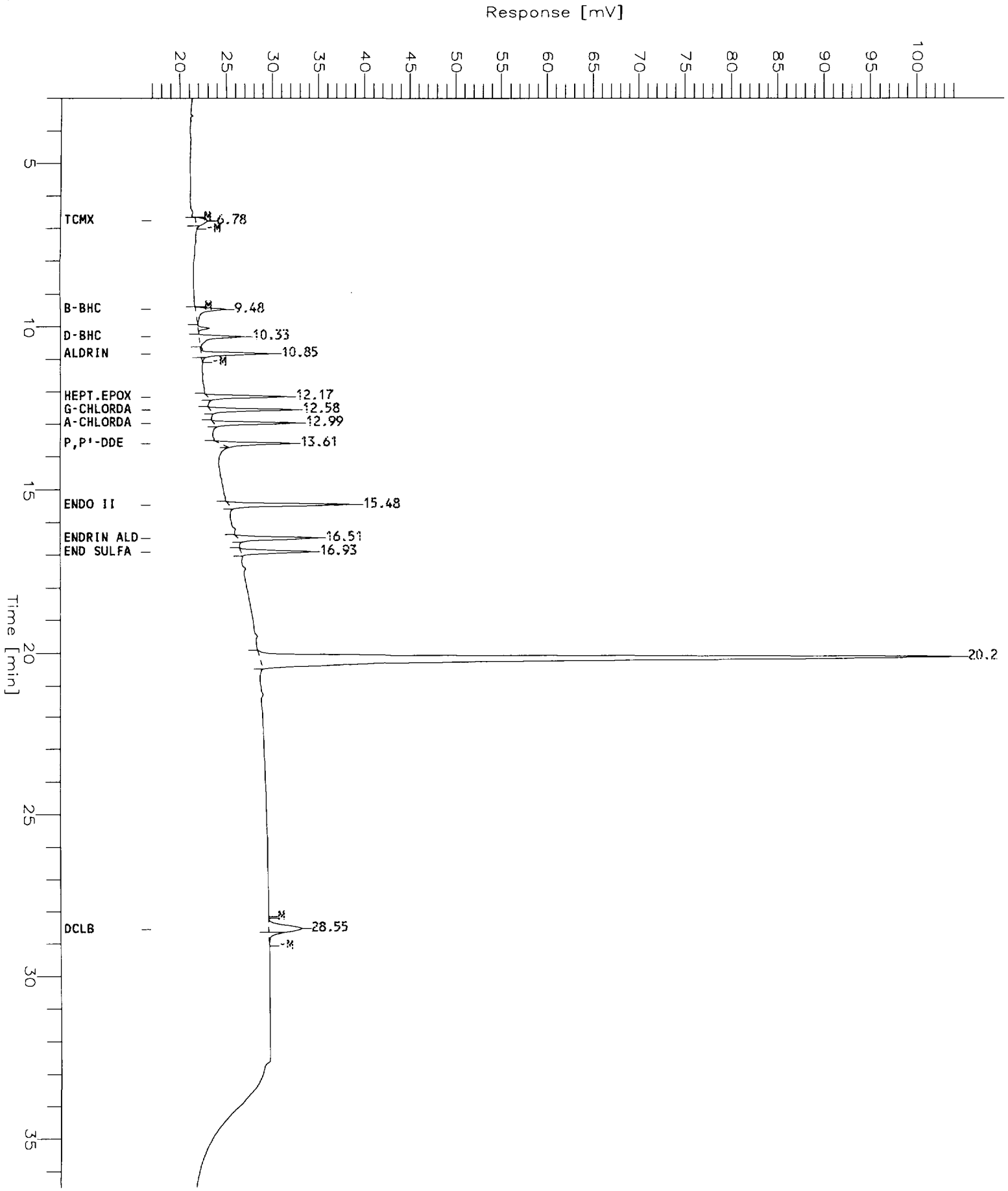
Report Stored in ASCII File: C:\2700\DATA1\1STD010.TX0

Chromatogram

Sample Name : PEST B L2
FileName : C:\2700\DATA1\1STD010.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: 10
Date : 10/26/94 10:59 AM
Low Point : 16.92 mV High Point : 104.61 mV
Plot Scale: 88 mV





Software Version: 3.2 <0E01>
Sample Name : PEST B L3 Time : 10/26/94 11:04 AM
Sample Number: 11 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 10:32 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD011.raw
Result File : C:\2700\DATA1\1STD011.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.77 | TCMX | 0.0127 | 85812 | 7236 | TCMX | 6.7690e6 |
| 2 | 9.47 | b-BHC | 0.0128 | 65026 | 12869 | b-BHC | 5.0816e6 |
| 3 | 10.32 | d-BHC | 0.0127 | 87563 | 20303 | d-BHC | 6.8707e6 |
| 4 | 10.85 | ALDRIN | 0.0132 | 120962 | 26045 | ALDRIN | 9.1908e6 |
| 5 | 12.17 | HEPT.EPOXIDE | 0.0133 | 120341 | 26148 | HEPT.EPO | 9.0287e6 |
| 6 | 12.58 | g-CHLORDANE | 0.0130 | 128478 | 27923 | g-CHLORD | 9.8966e6 |
| 7 | 12.99 | a-CHLORDANE | 0.0131 | 128605 | 27583 | a-CHLORD | 9.8507e6 |
| 8 | 13.61 | p,p'-DDE | 0.0257 | 157318 | 33143 | p,p'-DDE | 6.1183e6 |
| 9 | 15.48 | ENDO II | 0.0259 | 191758 | 38589 | ENDO II | 7.4083e6 |
| 11 | 16.51 | ENDRIN ALD | 0.0261 | 134847 | 23741 | ENDRIN A | 5.1769e6 |
| 12 | 16.93 | END SULFATE | 0.0261 | 142159 | 24952 | END SULF | 5.4568e6 |
| 14 | 28.56 | DCLB | 0.0124 | 110864 | 8250 | DCLB | 8.9323e6 |
| | | | 0.2069 | 1473732 | 276781 | | 8.9781e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

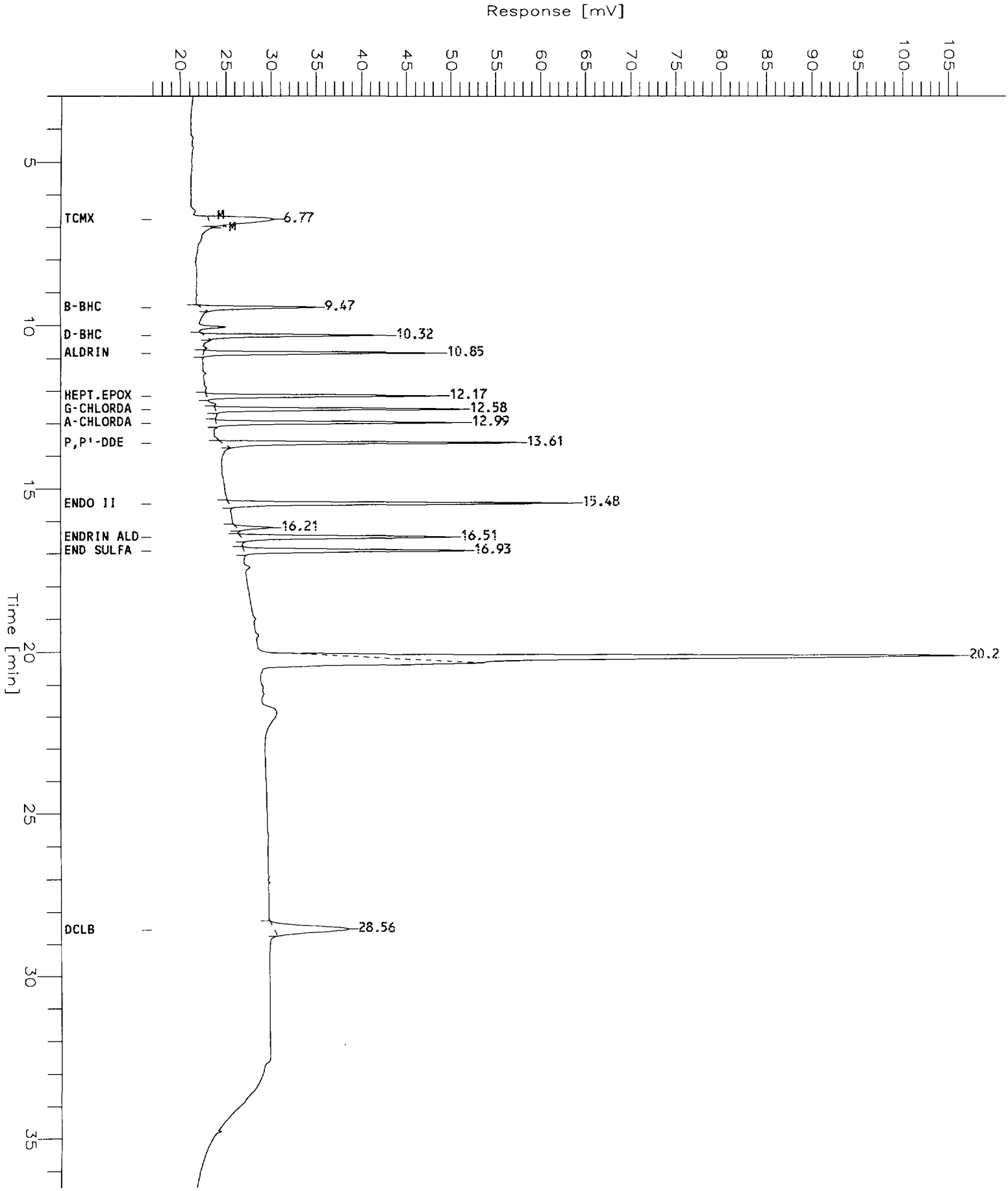
Report Stored in ASCII File: C:\2700\DATA1\1STD011.TX0

Chromatogram

Sample Name : PEST B L3
FileName : C:\2700\DATA1\1STD011.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: 11
Date : 10/26/94 11:04 AM
Low Point : 16.84 mV High Point : 106.39 mV
Plot Scale: 90 mV





Software Version: 3.2 <0E01>
Sample Name : PEST B L4 Time : 10/26/94 11:06 AM
Sample Number: 12 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 11:09 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD012.raw
Result File : C:\2700\DATA1\1STD012.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.77 | TCMX | 0.0171 | 119028 | 9962 | TCMX | 6.9777e6 |
| 2 | 9.48 | b-BHC | 0.0175 | 89121 | 17135 | b-BHC | 5.0884e6 |
| 4 | 10.32 | d-BHC | 0.0173 | 120583 | 27975 | d-BHC | 6.9522e6 |
| 5 | 10.85 | ALDRIN | 0.0173 | 159927 | 34370 | ALDRIN | 9.2291e6 |
| 6 | 12.17 | HEPT.EPOXIDE | 0.0175 | 156627 | 34057 | HEPT.EPO | 8.9632e6 |
| 7 | 12.58 | g-CHLORDANE | 0.0175 | 172201 | 37012 | g-CHLORD | 9.8651e6 |
| 8 | 12.99 | a-CHLORDANE | 0.0174 | 171131 | 36338 | a-CHLORD | 9.8175e6 |
| 9 | 13.61 | p,p'-DDE | 0.0340 | 213802 | 44789 | p,p'-DDE | 6.2808e6 |
| 10 | 15.48 | ENDO II | 0.0347 | 255470 | 51178 | ENDO II | 7.3736e6 |
| 12 | 16.51 | ENDRIN ALD | 0.0347 | 178856 | 31389 | ENDRIN A | 5.1591e6 |
| 13 | 16.93 | END SULFATE | 0.0342 | 188980 | 32988 | END SULF | 5.5245e6 |
| 16 | 28.56 | DCLB | 0.0173 | 154825 | 11193 | DCLB | 8.9641e6 |
| | | | 0.2764 | 1980550 | 368385 | | 9.0195e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

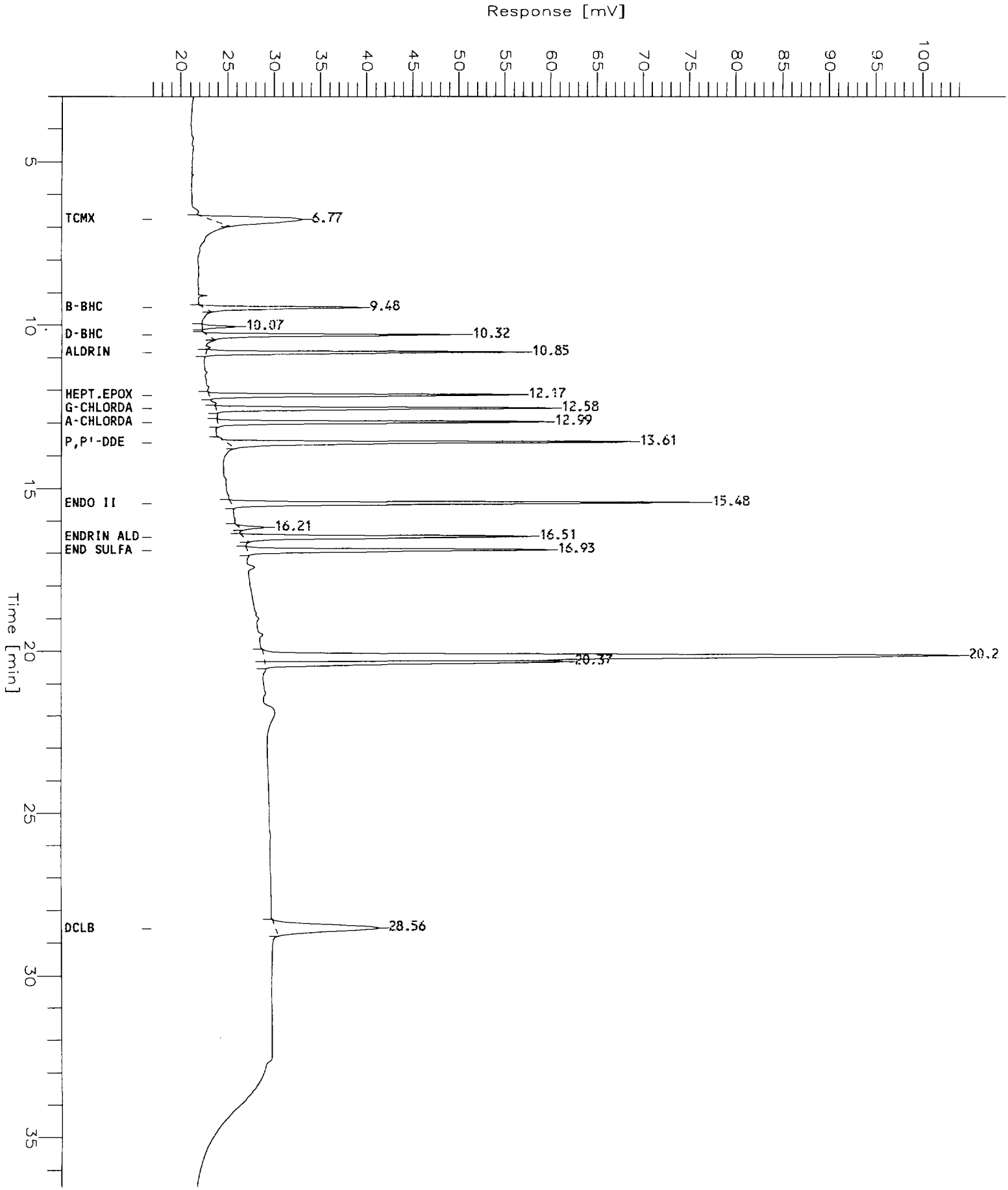
Report Stored in ASCII File: C:\2700\DATA1\1STD012.TX0

Chromatogram

Sample Name : PEST B L4
FileName : C:\2700\DATA1\1STD012.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: 12
Date : 10/26/94 11:06 AM
Low Point : 16.92 mV High Point : 104.11 mV
Plot Scale: 87 mV





Software Version: 3.2 <0E01>
Sample Name : PEST B L5 Time : 10/26/94 11:06 AM
Sample Number: 13 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 11:47 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD013.raw
Result File : C:\2700\DATA1\1STD013.rst
Instrument File: C:\2700\DATA1\1QB.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 5000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [UG/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.77 | TCMX | 0.0250 | 186661 | 15251 | TCMX | 7.4556e6 |
| 2 | 9.48 | b-BHC | 0.0249 | 126730 | 24207 | b-BHC | 5.0938e6 |
| 4 | 10.32 | d-BHC | 0.0250 | 175801 | 40894 | d-BHC | 7.0215e6 |
| 5 | 10.85 | ALDRIN | 0.0249 | 230437 | 49885 | ALDRIN | 9.2657e6 |
| 6 | 12.17 | HEPT.EPOXIDE | 0.0247 | 220118 | 48004 | HEPT.EPO | 8.9015e6 |
| 7 | 12.58 | g-CHLORDANE | 0.0249 | 244867 | 53223 | g-CHLORD | 9.8378e6 |
| 8 | 12.99 | a-CHLORDANE | 0.0249 | 243430 | 51787 | a-CHLORD | 9.7879e6 |
| 9 | 13.61 | p,p'-DDE | 0.0505 | 325526 | 67863 | p,p'-DDE | 6.4444e6 |
| 10 | 15.48 | ENDO II | 0.0499 | 366541 | 72642 | ENDO II | 7.3421e6 |
| 12 | 16.51 | ENDRIN ALD | 0.0498 | 256271 | 44550 | ENDRIN A | 5.1428e6 |
| 13 | 16.93 | END SULFATE | 0.0502 | 280703 | 48782 | END SULF | 5.5933e6 |
| 16 | 28.56 | DCLB | 0.0252 | 226321 | 16103 | DCLB | 8.9895e6 |
| | | | 0.3999 | 2883404 | 533190 | | 9.0876e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

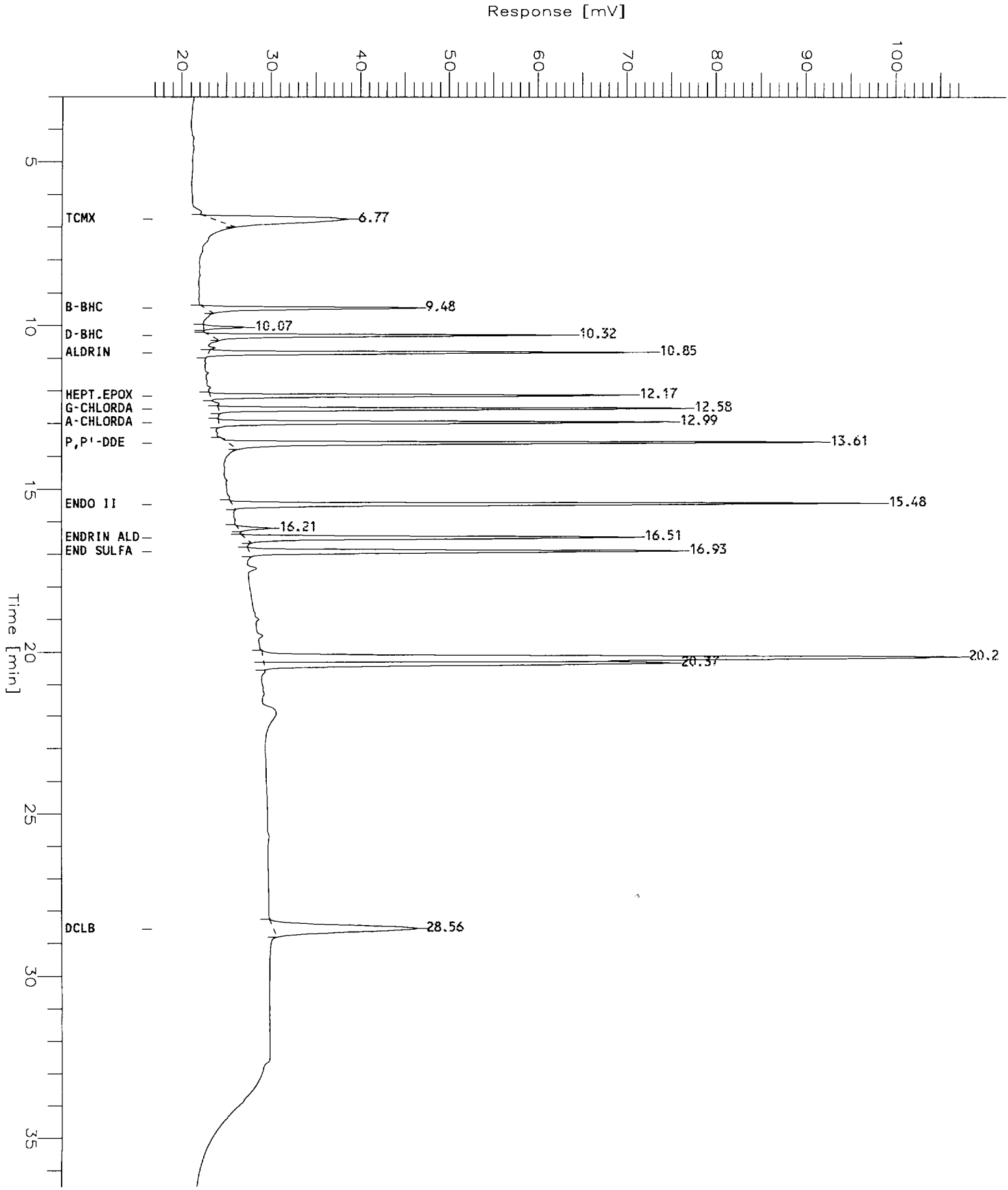
Report Stored in ASCII File: C:\2700\DATA1\1STD013.TX0

Chromatogram

Sample Name : PEST B L5
FileName : C:\2700\DATA1\1STD013.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 17 mV

Sample #: 13
Date : 10/26/94 11:06 AM
Low Point : 16.77 mV High Point : 107.27 mV
Plot Scale: 91 mV





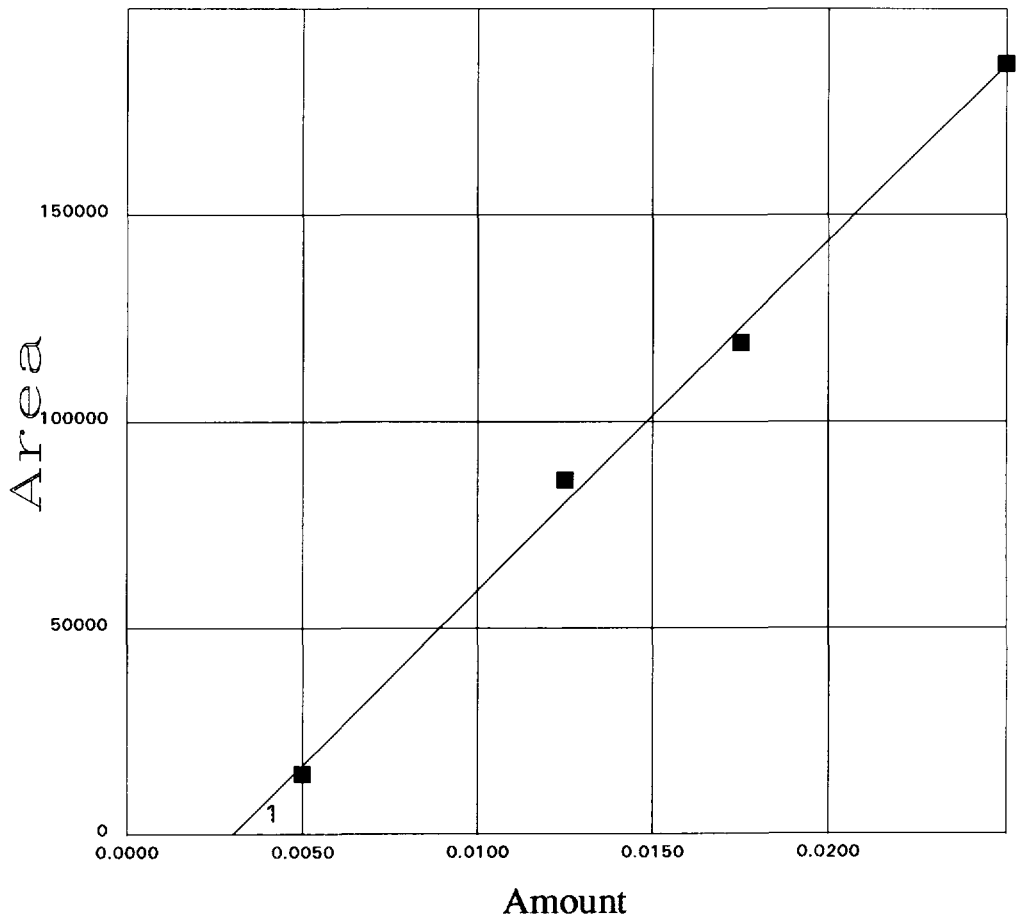
CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:07 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996898
Calibration Curve = (-25583.791016) + (8477553.000000)X

PRIMARY COLUMN

# TCMX



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:07 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996898

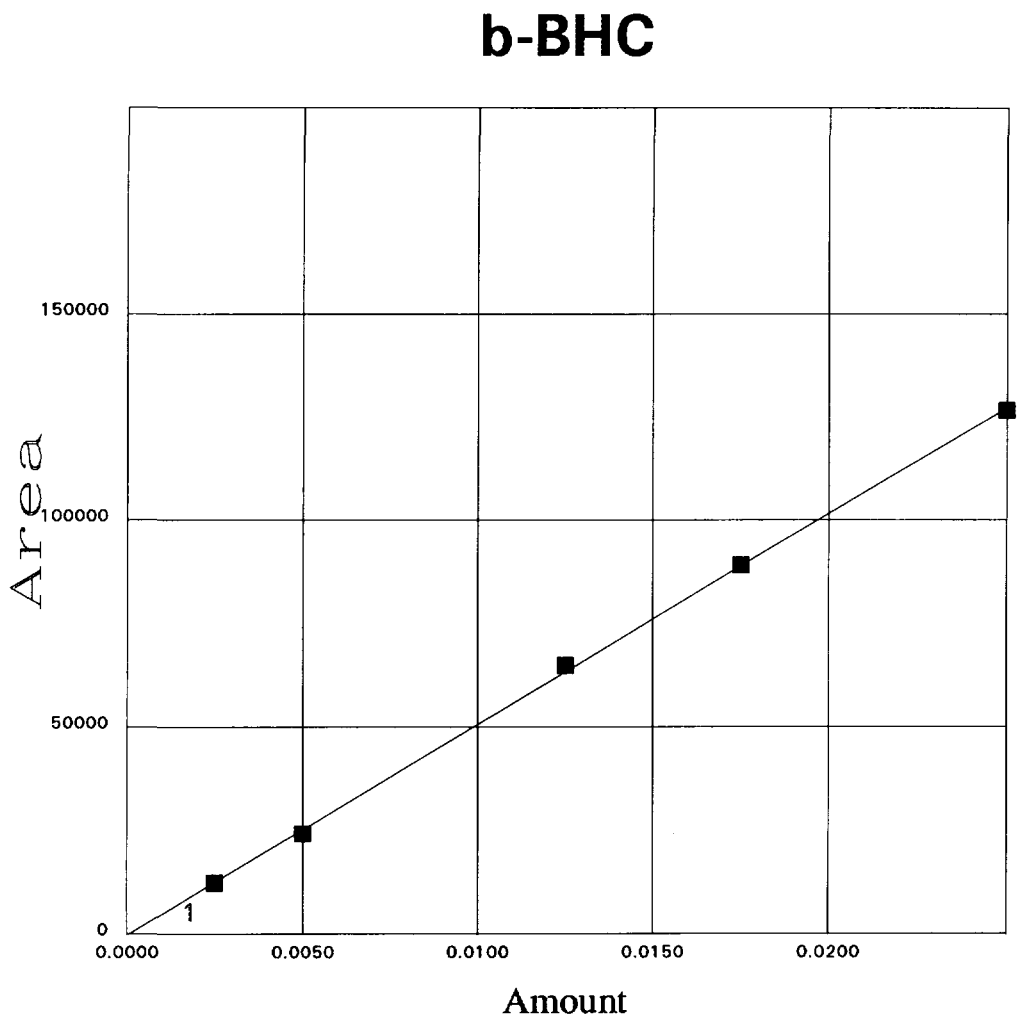
Calibration Curve = (-25583.791016) + (8477553.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 2 | 0.005000 | 0.004766 | 0.000234 | 4.688 | 14817.000000 | 16803.976563 | -1986.976563 | -13.410 |
| 3 | 0.012500 | 0.013140 | -0.000640 | -5.121 | 85812.000000 | 80385.632813 | 5426.367188 | 6.324 |
| 4 | 0.017500 | 0.017058 | 0.000442 | 2.525 | 119028.031250 | 122773.390625 | -3745.359375 | -3.147 |
| 5 | 0.025000 | 0.025036 | -0.000036 | -0.144 | 186661.000000 | 186355.046875 | 305.953125 | 0.164 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:07 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999598
Calibration Curve = (-323.464325) + (5106885.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:07 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999598

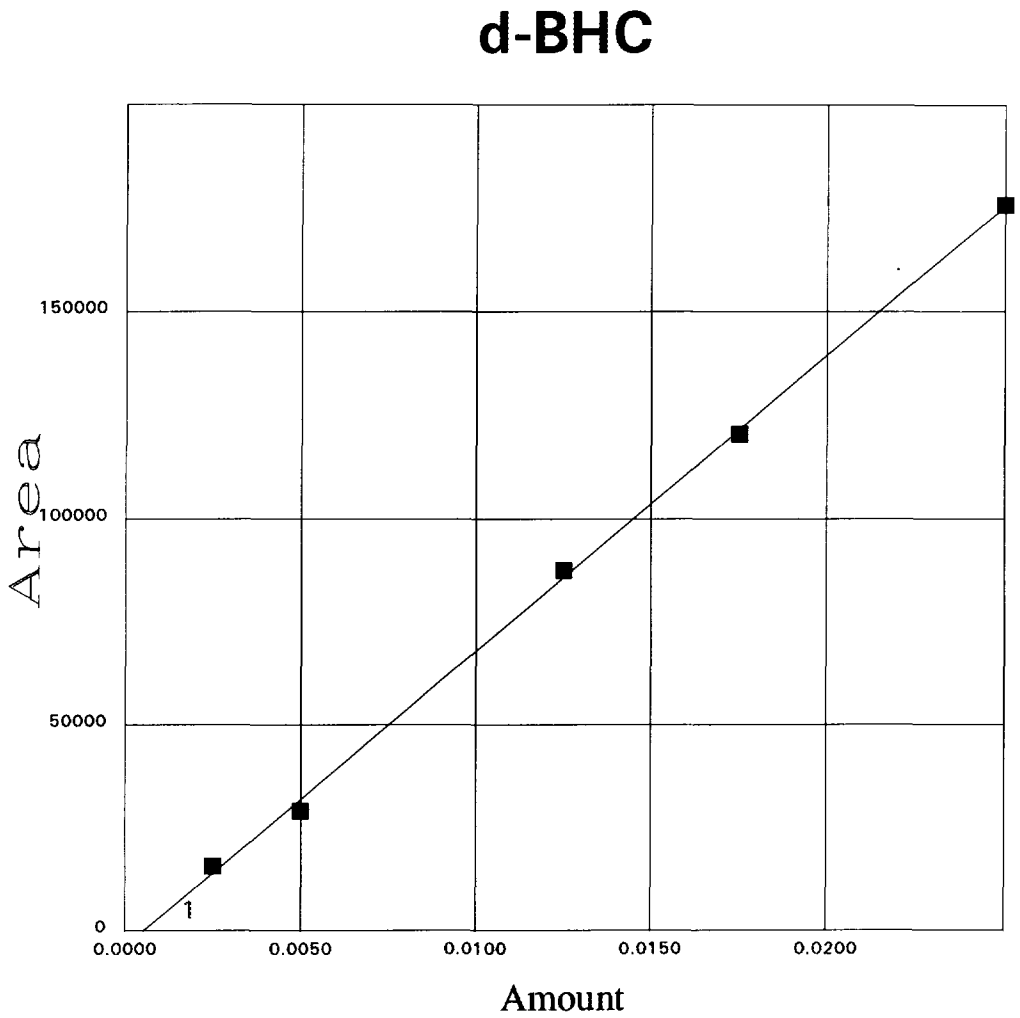
Calibration Curve = (-323.464325) + (5106885.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002492 | 0.000009 | 0.339 | 12400.500000 | 12443.749023 | -43.249023 | -0.349 |
| 2 | 0.005000 | 0.004819 | 0.000181 | 3.622 | 24286.000000 | 25210.962891 | -924.962891 | -3.809 |
| 3 | 0.012500 | 0.012796 | -0.000296 | -2.371 | 65026.000000 | 63512.605469 | 1513.394531 | 2.327 |
| 4 | 0.017500 | 0.017515 | -0.000015 | -0.083 | 89121.000000 | 89047.023438 | 73.976563 | 0.083 |
| 5 | 0.025000 | 0.024879 | 0.000121 | 0.485 | 126729.500000 | 127348.671875 | -619.171875 | -0.489 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999125
Calibration Curve = (-3912.422852) + (7177785.500000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999125

Calibration Curve = (-3912.422852) + (7177785.500000)X

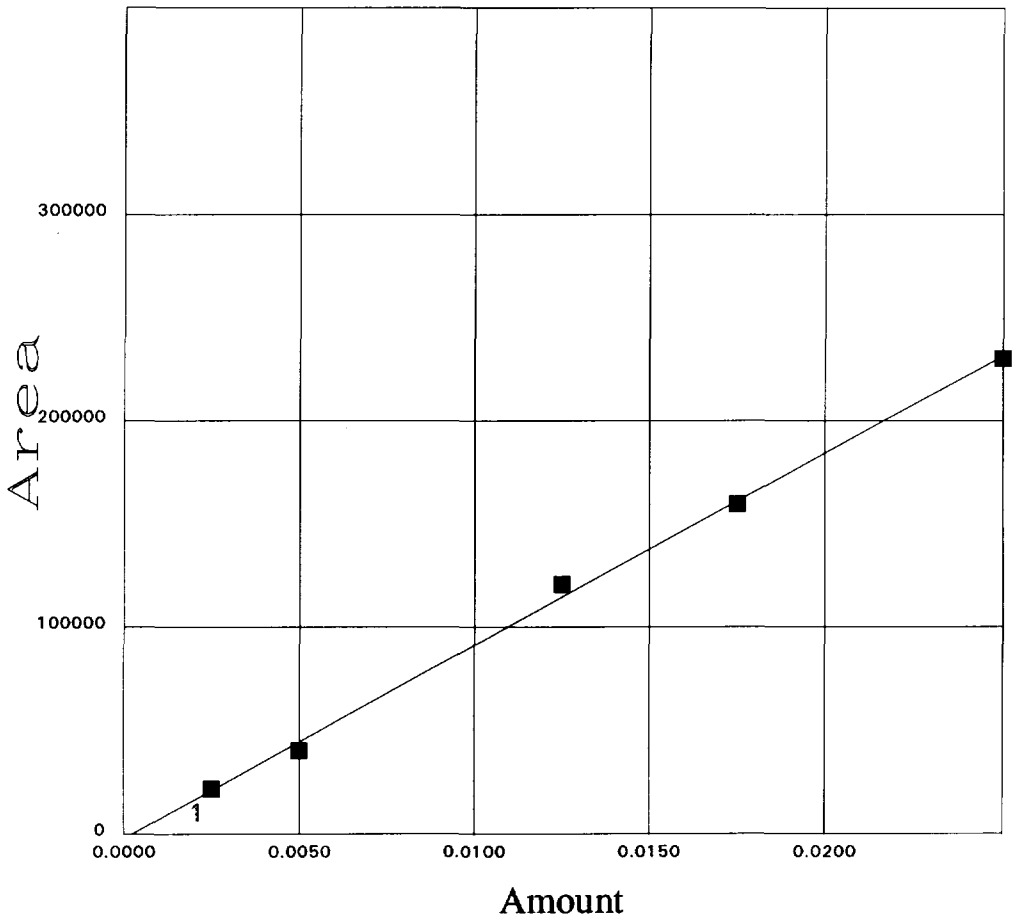
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002755 | -0.000255 | -10.201 | 15862.500000 | 14032.041992 | 1830.458008 | 11.540 |
| 2 | 0.005000 | 0.004619 | 0.000381 | 7.625 | 29240.000000 | 31976.507813 | -2736.507813 | -9.359 |
| 3 | 0.012500 | 0.012744 | -0.000244 | -1.954 | 87563.000000 | 85809.906250 | 1753.093750 | 2.002 |
| 4 | 0.017500 | 0.017345 | 0.000156 | 0.888 | 120582.968750 | 121698.820313 | -1115.851563 | -0.925 |
| 5 | 0.025000 | 0.025038 | -0.000037 | -0.150 | 175801.031250 | 175532.234375 | 268.796875 | 0.153 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997974
Calibration Curve = (-2094.438232) + (9350010.000000)X

# ALDRIN



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997974

Calibration Curve = (-2094.438232) + (9350010.000000)X

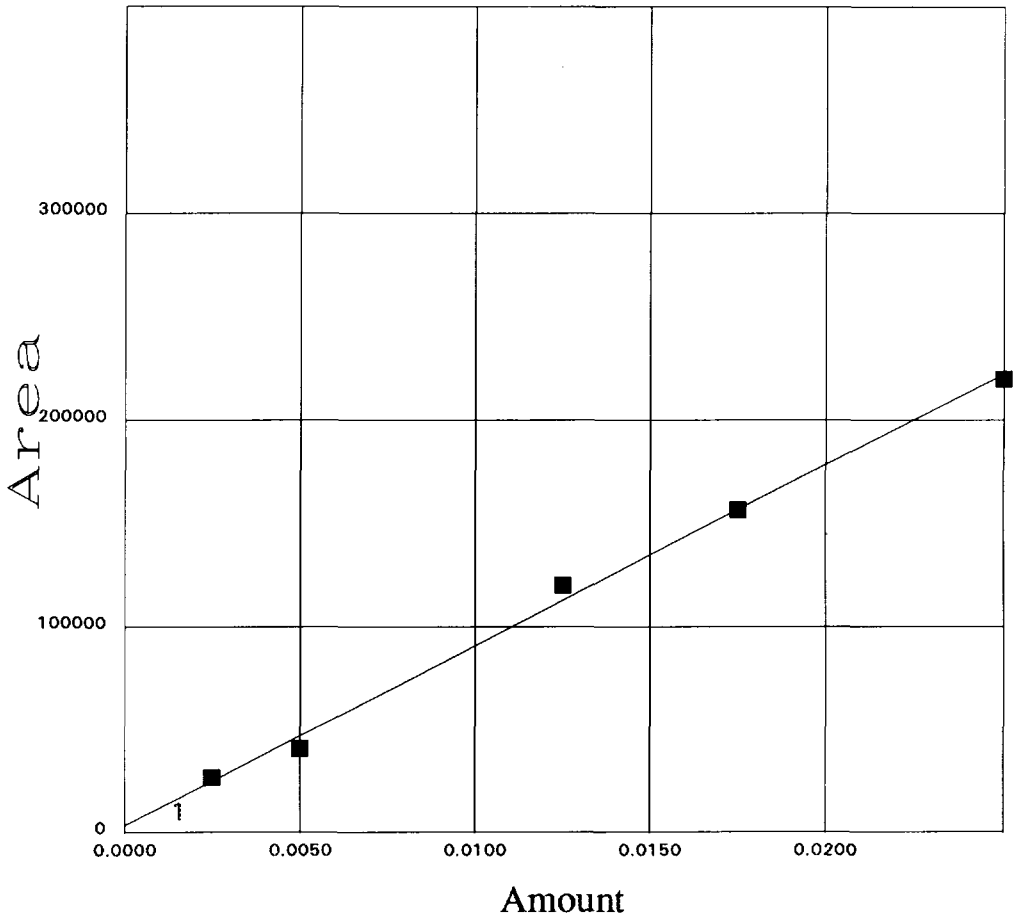
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002582 | -0.000082 | -3.296 | 22051.000000 | 21280.587891 | 770.412109 | 3.494 |
| 2 | 0.005000 | 0.004558 | 0.000442 | 8.831 | 40527.000000 | 44655.613281 | -4128.613281 | -10.187 |
| 3 | 0.012500 | 0.013161 | -0.000661 | -5.289 | 120962.000000 | 114780.695313 | 6181.304688 | 5.110 |
| 4 | 0.017500 | 0.017329 | 0.000172 | 0.980 | 159927.000000 | 161530.734375 | -1603.734375 | -1.003 |
| 5 | 0.025000 | 0.024870 | 0.000130 | 0.522 | 230436.500000 | 231655.828125 | -1219.328125 | -0.529 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996160
Calibration Curve = (3676.265625) + (8752914.000000)X

# HEPT.EPOXIDE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996160

Calibration Curve = (3676.265625) + (8752914.000000)X

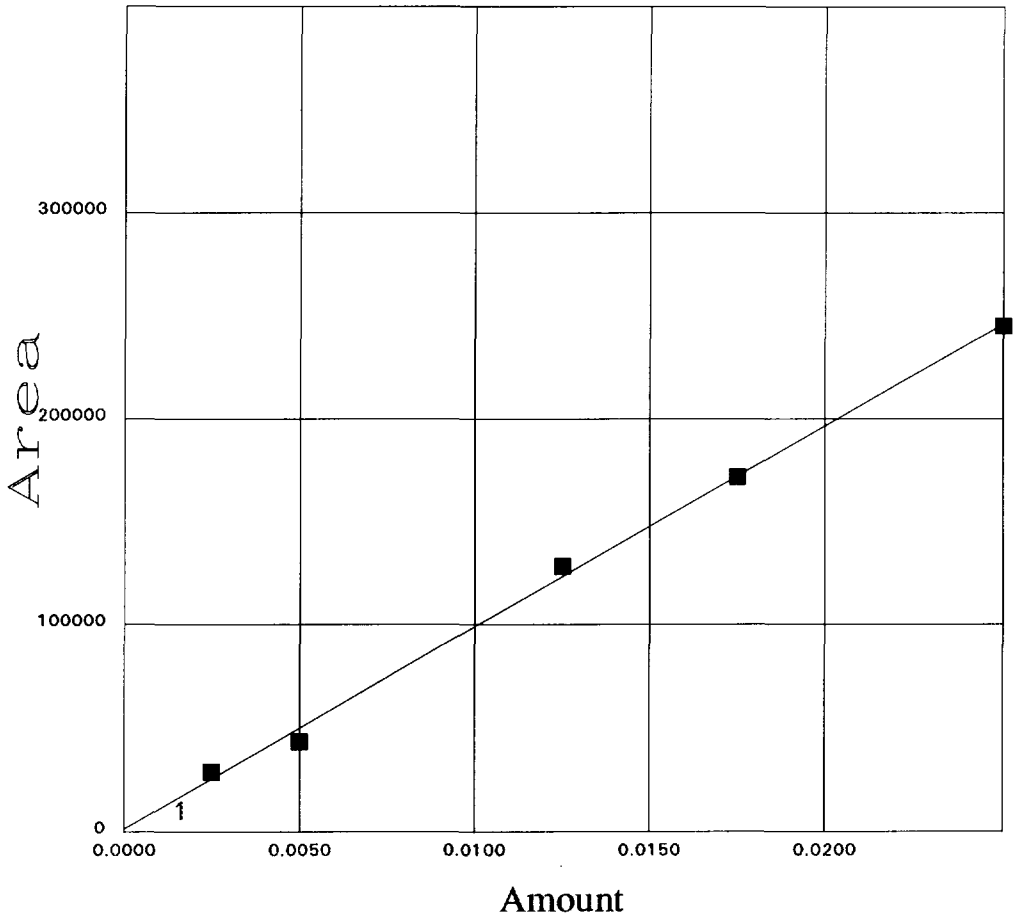
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002681 | -0.000181 | -7.241 | 27143.000000 | 25558.552734 | 1584.447266 | 5.837 |
| 2 | 0.005000 | 0.004288 | 0.000712 | 14.238 | 41209.500000 | 47440.839844 | -6231.339844 | -15.121 |
| 3 | 0.012500 | 0.013329 | -0.000829 | -6.629 | 120341.000000 | 113087.703125 | 7253.296875 | 6.027 |
| 4 | 0.017500 | 0.017474 | 0.000026 | 0.147 | 156627.000000 | 156852.265625 | -225.265625 | -0.144 |
| 5 | 0.025000 | 0.024728 | 0.000272 | 1.088 | 220118.000000 | 222499.140625 | -2381.140625 | -1.082 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997583
Calibration Curve = (1595.463867) + (9773762.000000)X

# g-CHLORDANE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997583

Calibration Curve = (1595.463867) + (9773762.000000)X

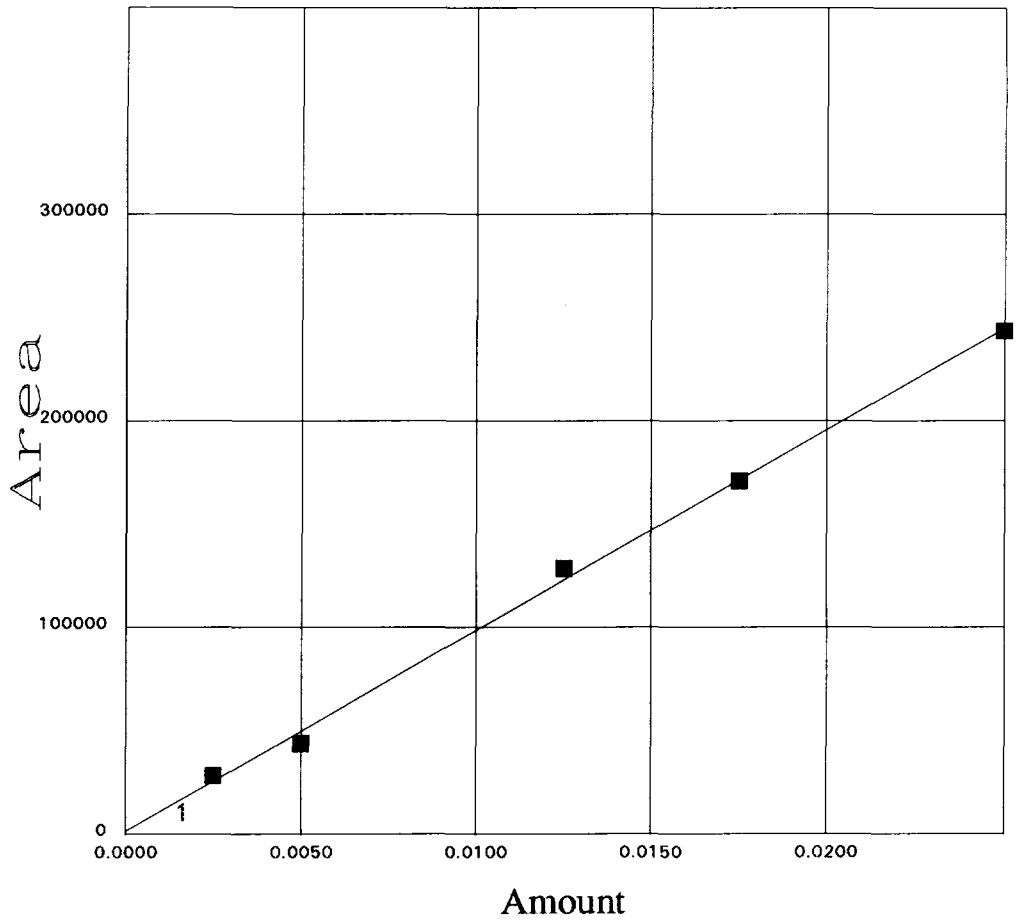
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002845 | -0.000345 | -13.801 | 29402.000000 | 26029.871094 | 3372.128906 | 11.469 |
| 2 | 0.005000 | 0.004327 | 0.000673 | 13.453 | 43890.000000 | 50464.277344 | -6574.277344 | -14.979 |
| 3 | 0.012500 | 0.012982 | -0.000482 | -3.856 | 128478.000000 | 123767.500000 | 4710.500000 | 3.666 |
| 4 | 0.017500 | 0.017455 | 0.000045 | 0.255 | 172200.500000 | 172636.296875 | -435.796875 | -0.253 |
| 5 | 0.025000 | 0.024890 | 0.000110 | 0.439 | 244867.000000 | 245939.531250 | -1072.531250 | -0.438 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997572
Calibration Curve = (1724.861939) + (9718610.000000)X

# a-CHLORDANE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:08 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997572

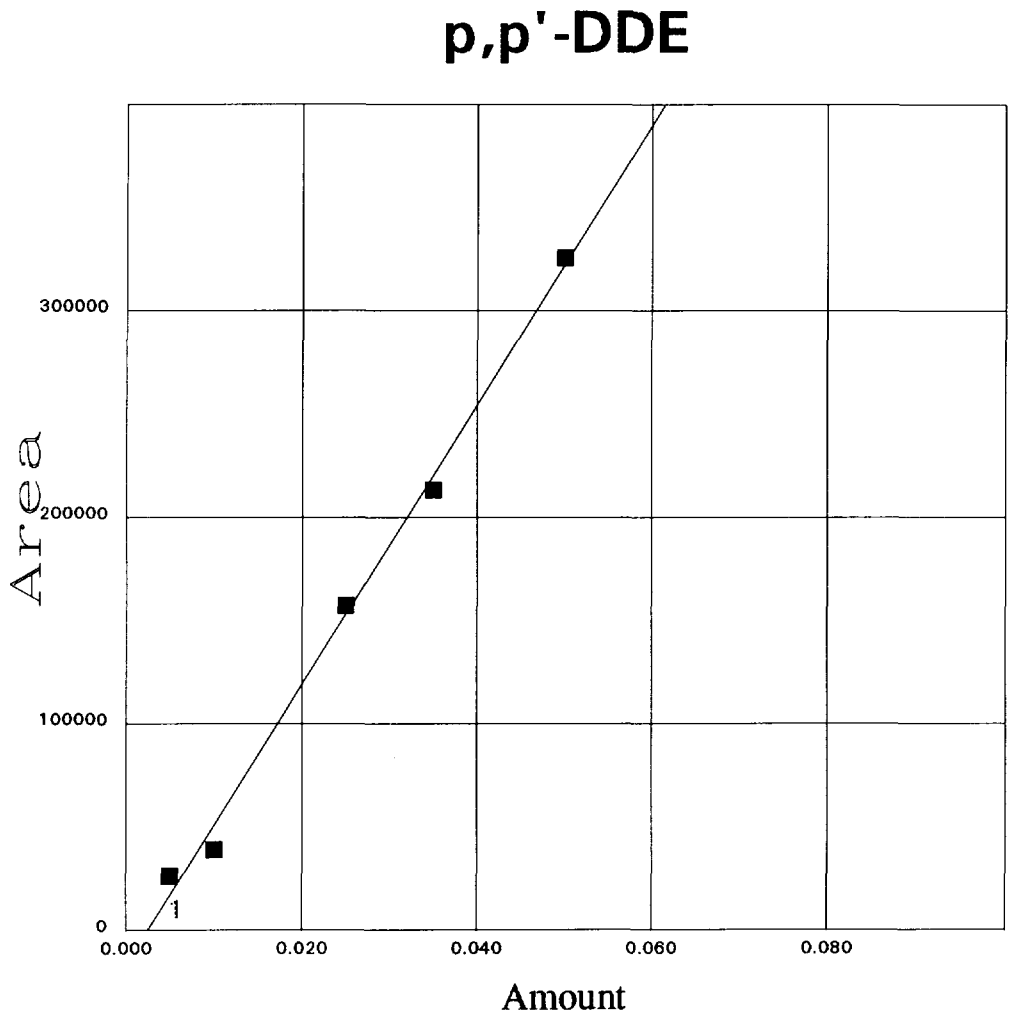
Calibration Curve = (1724.861939) + (9718610.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002784 | -0.000284 | -11.368 | 28783.500000 | 26021.388672 | 2762.111328 | 9.596 |
| 2 | 0.005000 | 0.004359 | 0.000641 | 12.820 | 44088.500000 | 50317.914063 | -6229.414063 | -14.129 |
| 3 | 0.012500 | 0.013055 | -0.000555 | -4.443 | 128604.500000 | 123207.500000 | 5397.000000 | 4.197 |
| 4 | 0.017500 | 0.017431 | 0.000069 | 0.394 | 171131.000000 | 171800.531250 | -669.531250 | -0.391 |
| 5 | 0.025000 | 0.024870 | 0.000130 | 0.519 | 243430.000000 | 244690.140625 | -1260.140625 | -0.518 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:09 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995073
Calibration Curve = (-17073.515625) + (6782408.500000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:09 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.995073

Calibration Curve = (-17073.515625) + (6782408.500000)X

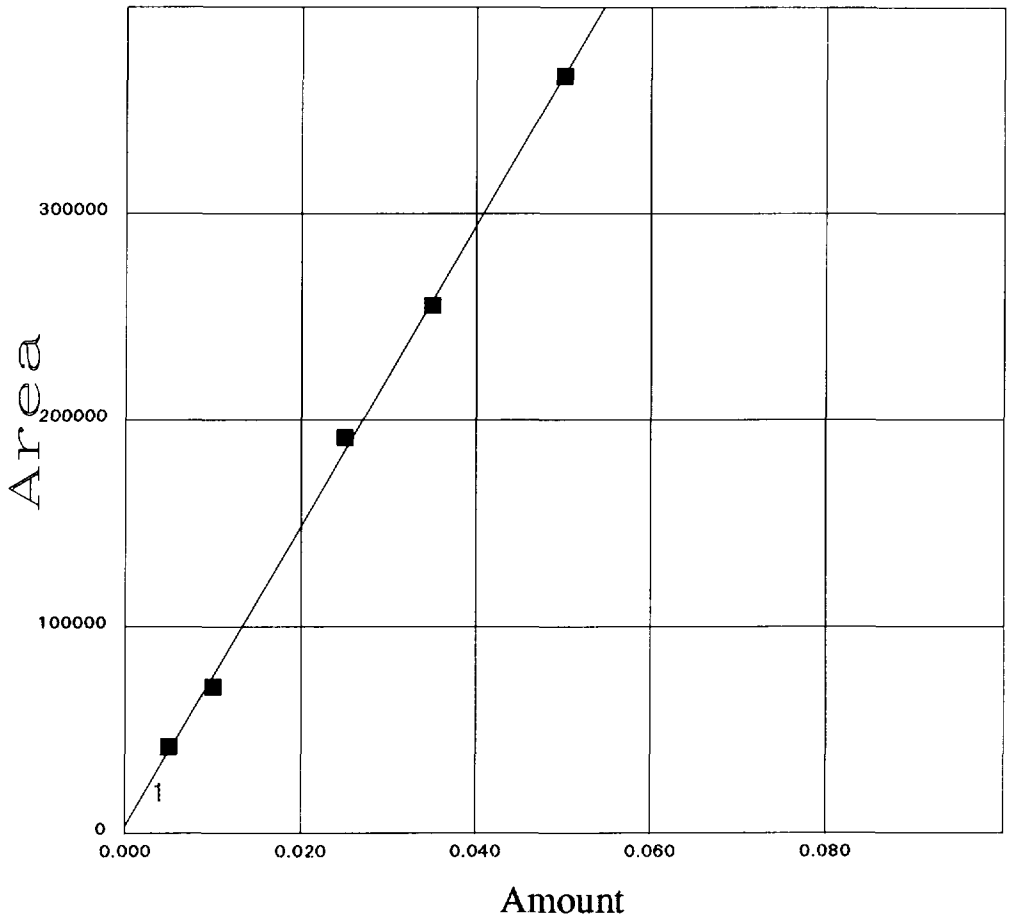
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.006442 | -0.001442 | -28.835 | 26617.000000 | 16838.529297 | 9778.470703 | 36.738 |
| 2 | 0.010000 | 0.008293 | 0.001707 | 17.072 | 39171.531250 | 50750.574219 | -11579.042969 | -29.560 |
| 3 | 0.025000 | 0.025712 | -0.000712 | -2.849 | 157317.500000 | 152486.718750 | 4830.781250 | 3.071 |
| 4 | 0.035000 | 0.034040 | 0.000960 | 2.742 | 213801.500000 | 220310.781250 | -6509.281250 | -3.045 |
| 5 | 0.050000 | 0.050513 | -0.000513 | -1.026 | 325526.000000 | 322046.937500 | 3479.062500 | 1.069 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:09 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998892
Calibration Curve = (3557.845703) + (7270921.500000)X

# ENDO II



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:10 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998892

Calibration Curve = (3557.845703) + (7270921.500000)X

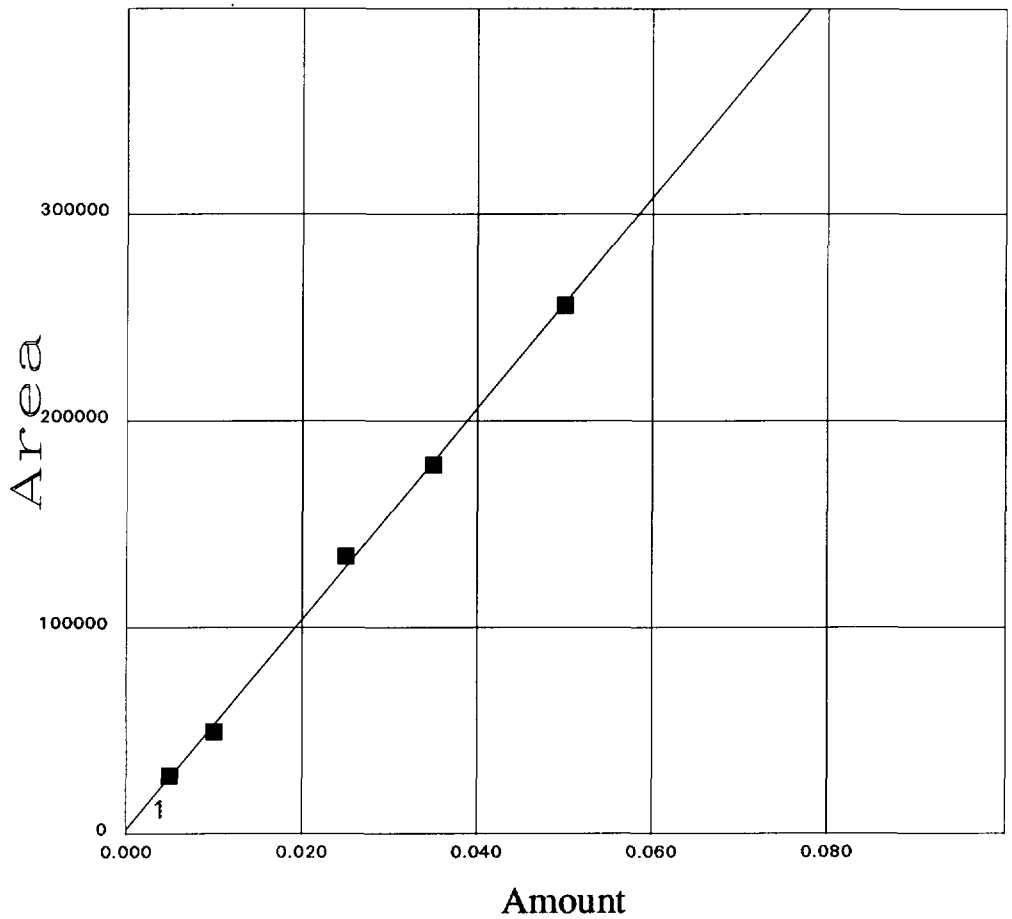
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005265 | -0.000265 | -5.301 | 41839.500000 | 39912.457031 | 1927.042969 | 4.606 |
| 2 | 0.010000 | 0.009282 | 0.000718 | 7.181 | 71046.000000 | 76267.062500 | -5221.062500 | -7.349 |
| 3 | 0.025000 | 0.025884 | -0.000884 | -3.536 | 191758.000000 | 185330.906250 | 6427.093750 | 3.352 |
| 4 | 0.035000 | 0.034647 | 0.000354 | 1.010 | 255470.000000 | 258040.093750 | -2570.093750 | -1.006 |
| 5 | 0.050000 | 0.049923 | 0.000077 | 0.155 | 366541.000000 | 367103.968750 | -562.968750 | -0.154 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:12 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998740
Calibration Curve = (1865.826782) + (5105362.500000)X

# ENDRIN ALD



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:12 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998740

Calibration Curve = (1865.826782) + (5105362.500000)X

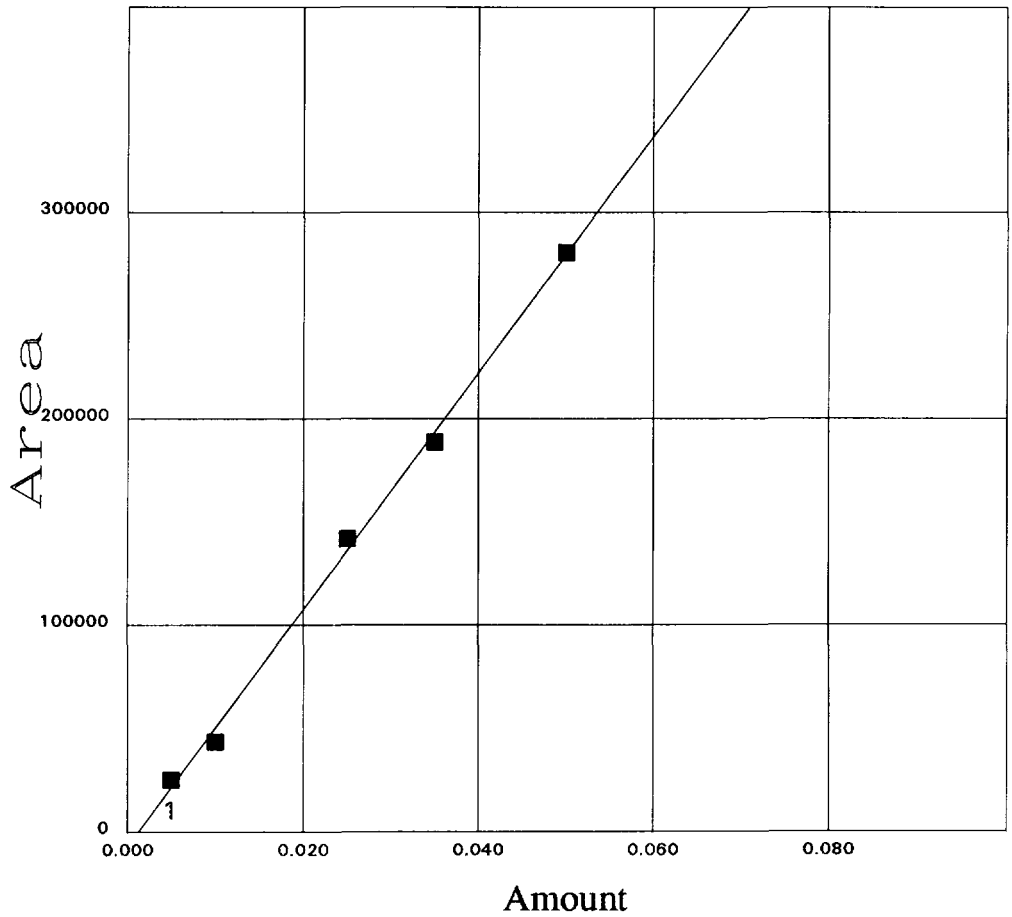
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005126 | -0.000126 | -2.520 | 28036.000000 | 27392.640625 | 643.359375 | 2.295 |
| 2 | 0.010000 | 0.009328 | 0.000672 | 6.716 | 49490.500000 | 52919.457031 | -3428.957031 | -6.929 |
| 3 | 0.025000 | 0.026047 | -0.001047 | -4.189 | 134847.000000 | 129499.898438 | 5347.101563 | 3.965 |
| 4 | 0.035000 | 0.034667 | 0.000333 | 0.950 | 178855.500000 | 180553.515625 | -1698.015625 | -0.949 |
| 5 | 0.050000 | 0.049831 | 0.000169 | 0.338 | 256270.500000 | 257133.968750 | -863.468750 | -0.337 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:10 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997448
Calibration Curve = (-7399.556641) + (5740846.000000)X

# END SULFATE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:10 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997448

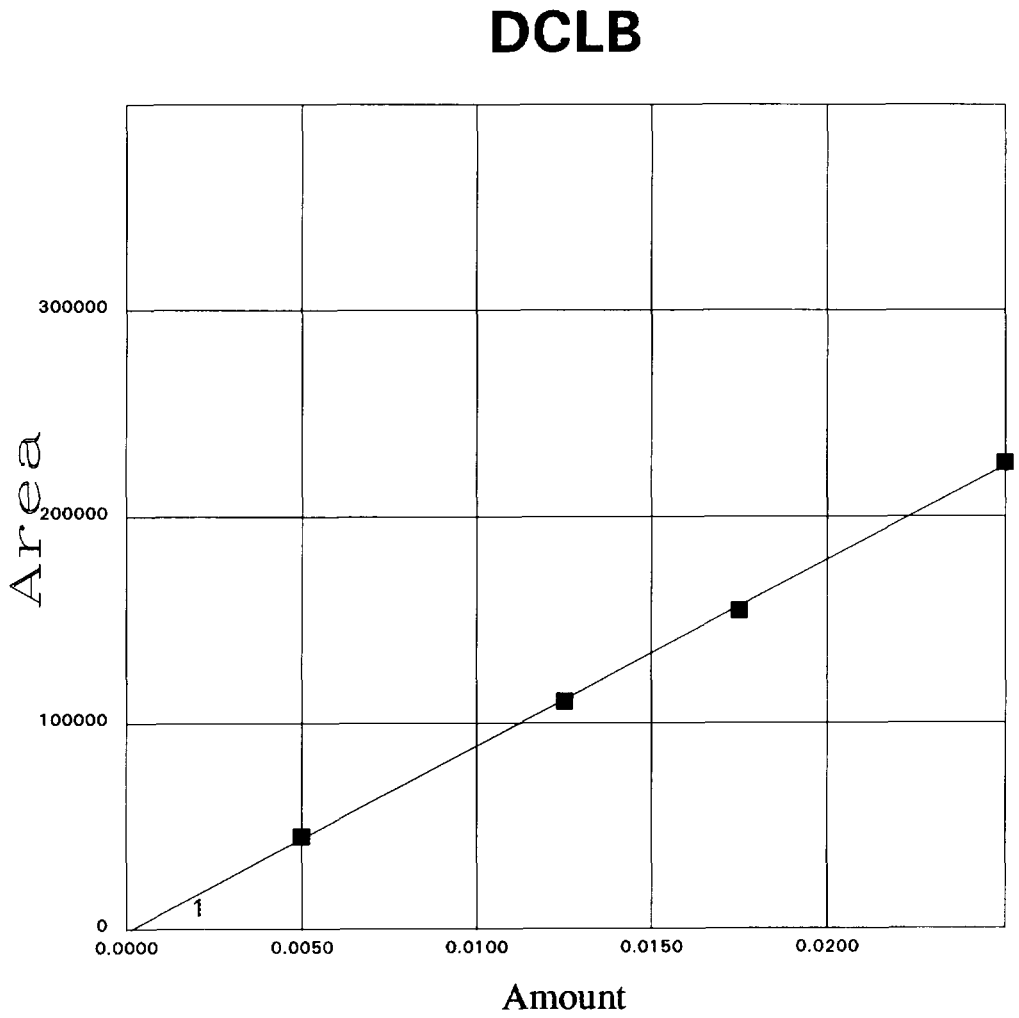
Calibration Curve = (-7399.556641) + (5740846.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005669 | -0.000669 | -13.386 | 25147.000000 | 21304.675781 | 3842.324219 | 15.280 |
| 2 | 0.010000 | 0.008887 | 0.001113 | 11.130 | 43619.500000 | 50008.906250 | -6389.406250 | -14.648 |
| 3 | 0.025000 | 0.026052 | -0.001052 | -4.206 | 142158.500000 | 136121.609375 | 6036.890625 | 4.247 |
| 4 | 0.035000 | 0.034207 | 0.000793 | 2.265 | 188980.000000 | 193530.046875 | -4550.046875 | -2.408 |
| 5 | 0.050000 | 0.050185 | -0.000185 | -0.369 | 280703.000000 | 279642.781250 | 1060.218750 | 0.378 |

CALPLOT Output For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:10 AM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999479
Calibration Curve = (-1399.101318) + (9045123.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\1PESTB.SMP"
Date: 10/26/94 Time: 11:10 AM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999479

Calibration Curve = (-1399.101318) + (9045123.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 2 | 0.005000 | 0.005141 | -0.000141 | -2.820 | 45102.000000 | 43826.515625 | 1275.484375 | 2.828 |
| 3 | 0.012500 | 0.012411 | 0.000089 | 0.709 | 110863.500000 | 111664.945313 | -801.445313 | -0.723 |
| 4 | 0.017500 | 0.017272 | 0.000228 | 1.305 | 154825.000000 | 156890.546875 | -2065.546875 | -1.334 |
| 5 | 0.025000 | 0.025176 | -0.000176 | -0.704 | 226320.500000 | 224729.000000 | 1591.500000 | 0.703 |

Software Version: 3.1 <2A23>
Sample Name : PEST A L1 Time : 10/19/94 12:19 PM
Sample Number: 5 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 06:48 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

SECONDARY COLUMN

Raw Data File : C:\2700\DATA1\2STD005.raw
Result File : C:\2700\DATA1\2STD005.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.34 | a-BHC | 0.0030 | 33968 | 5751 | MIREX | 1.1473e7 |
| 2 | 9.05 | LINDANE | 0.0030 | 32923 | 6298 | MIREX | 1.1140e7 |
| 3 | 10.66 | HEPTACHLOR | 0.0027 | 39776 | 9183 | MIREX | 1.4976e7 |
| 6 | 13.27 | ENDO I | 0.0026 | 32434 | 7430 | MIREX | 1.2315e7 |
| 8 | 13.94 | DIELDRIN | 0.0054 | 63270 | 14422 | MIREX | 1.1834e7 |
| 9 | 14.54 | ENDRIN | 0.0059 | 40485 | 8988 | MIREX | 6.8630e6 |
| 10 | 14.81 | p,p'-DDD | 0.0059 | 31736 | 6867 | MIREX | 5.3801e6 |
| 13 | 15.88 | p,p'-DDT | 0.0061 | 24712 | 5362 | MIREX | 4.0492e6 |
| 14 | 17.68 | METHOXYCHLOR | 0.0297 | 59122 | 10617 | MIREX | 1.9879e6 |
| 15 | 20.02 | MIREX | 1.0038 | 883581 | 110318 | MIREX | 8.8022e5 |
| | | | 1.0680 | 1242006 | 185235 | | 8.0901e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA1\2STD005.TX0

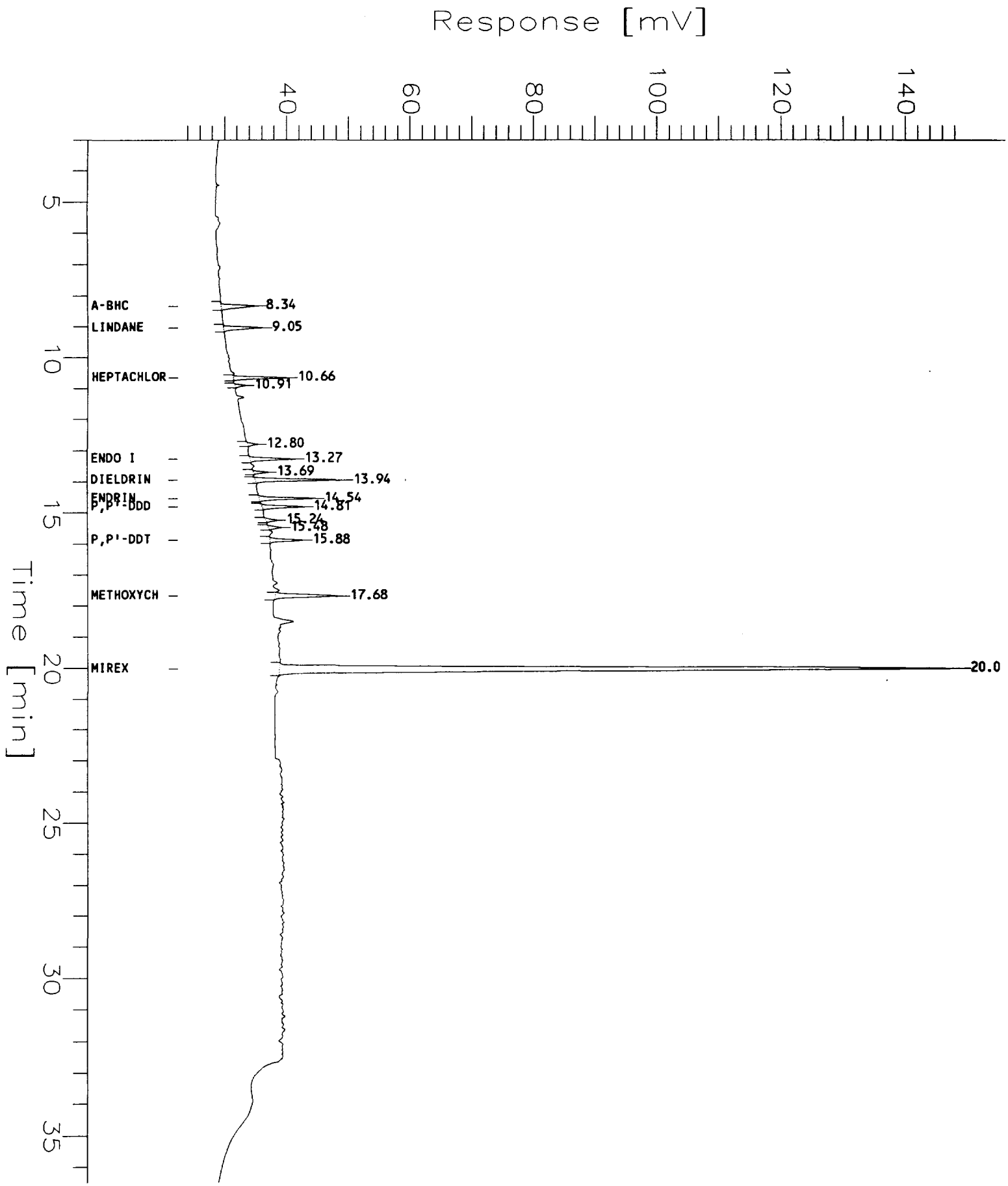
# Chromatogram

Sample Name : PEST A L1
FileName : C:\2700\DATA1\2STD005.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 23 mV

Sample #: 5
Date : 10/19/94 12:19 PM
Low Point : 22.51 mV
Plot Scale: 127 mV



High Point : 149.17 mV



Software Version: 3.1 <2A23>
Sample Name : PEST A L2 Time : 10/19/94 12:19 PM
Sample Number: 6 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 07:26 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD006.raw
Result File : C:\2700\DATA1\2STD006.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.34 | a-BHC | 0.0050 | 67461 | 11494 | MIREX | 1.3535e7 |
| 2 | 9.05 | LINDANE | 0.0049 | 64201 | 12438 | MIREX | 1.3008e7 |
| 3 | 10.66 | HEPTACHLOR | 0.0052 | 77507 | 17620 | MIREX | 1.4976e7 |
| 5 | 13.27 | ENDO I | 0.0050 | 62474 | 14191 | MIREX | 1.2551e7 |
| 7 | 13.94 | DIELDRIN | 0.0102 | 124848 | 28513 | MIREX | 1.2223e7 |
| 8 | 14.54 | ENDRIN | 0.0098 | 79235 | 17557 | MIREX | 8.0798e6 |
| 9 | 14.81 | p,p'-DDD | 0.0097 | 62159 | 13625 | MIREX | 6.4337e6 |
| 12 | 15.88 | p,p'-DDT | 0.0098 | 50804 | 10925 | MIREX | 5.2060e6 |
| 13 | 17.68 | METHOXYCHLOR | 0.0472 | 118239 | 21034 | MIREX | 2.5046e6 |
| 14 | 20.02 | MIREX | 0.9566 | 842024 | 111927 | MIREX | 8.8022e5 |
| | | | 1.0633 | 1548952 | 259325 | | 8.9399e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA1\2STD006.TX0

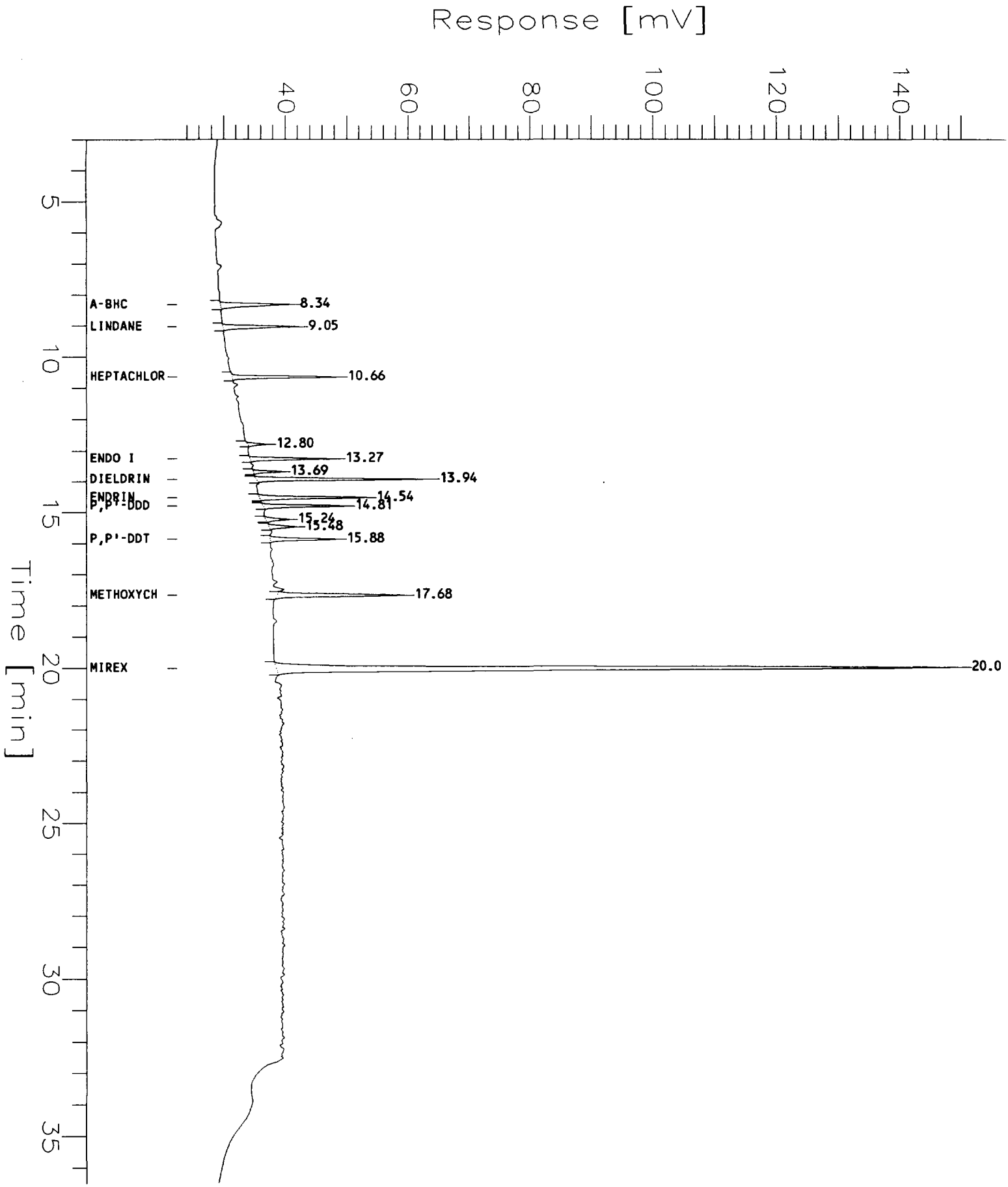
# Chromatogram

Sample Name : PEST A L2
FileName : C:\2700\DATA1\2STD006.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 22 mV

Sample #: 6
Date : 10/19/94 12:19 PM
Low Point : 22.44 mV
Plot Scale: 128 mV



High Point : 150.21 mV



Software Version: 3.1 <2A23>
Sample Name : PEST A L3 Time : 10/19/94 12:19 PM
Sample Number: 7 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 08:03 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD007.raw
Result File : C:\2700\DATA1\2STD007.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.34 | a-BHC | 0.0121 | 184415 | 28706 | MIREX | 1.5305e7 |
| 2 | 9.05 | LINDANE | 0.0122 | 178234 | 32345 | MIREX | 1.4664e7 |
| 3 | 10.66 | HEPTACHLOR | 0.0125 | 187004 | 41279 | MIREX | 1.4976e7 |
| 7 | 13.27 | ENDO I | 0.0125 | 158506 | 35003 | MIREX | 1.2710e7 |
| 10 | 13.94 | DIELDRIN | 0.0240 | 298947 | 67773 | MIREX | 1.2467e7 |
| 11 | 14.54 | ENDRIN | 0.0250 | 230057 | 50447 | MIREX | 9.1966e6 |
| 12 | 14.80 | p,p'-DDD | 0.0245 | 182253 | 40091 | MIREX | 7.4345e6 |
| 15 | 15.88 | p,p'-DDT | 0.0239 | 151736 | 32525 | MIREX | 6.3487e6 |
| 18 | 17.68 | METHOXYCHLOR | 0.1241 | 378433 | 64164 | MIREX | 3.0496e6 |
| 19 | 20.02 | MIREX | 0.9886 | 870226 | 113070 | MIREX | 8.8022e5 |
| | | | 1.2593 | 2819810 | 505401 | | 9.7034e7 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA1\2STD007.TX0

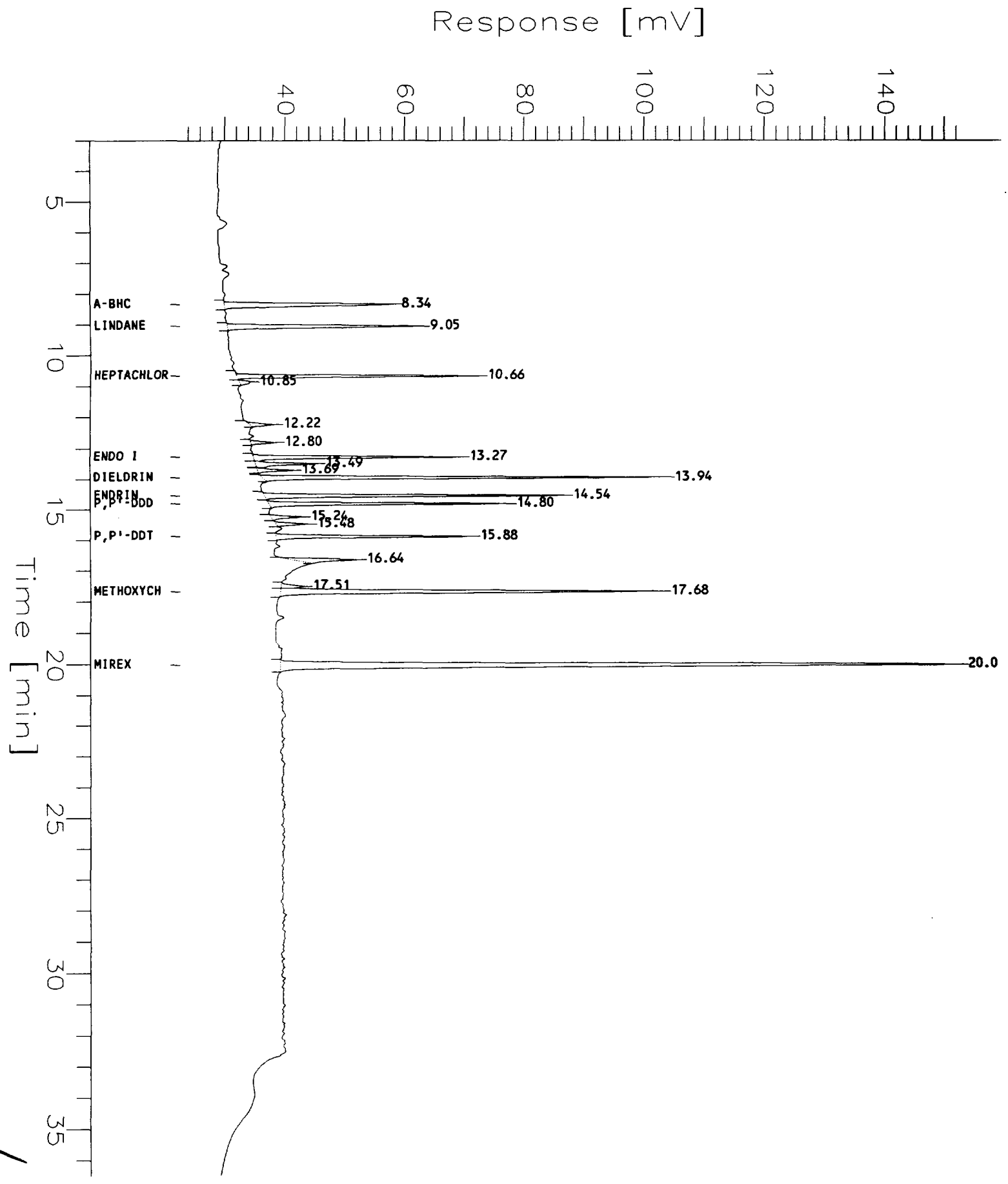
# Chromatogram

Sample Name : PEST A L3
FileName : C:\2700\DATA1\2STD007.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 23 mV

Sample #: 7
Date : 10/19/94 12:19 PM
Low Point : 22.60 mV
Plot Scale: 130 mV



High Point : 152.33 mV



Software Version: 3.1 <2A23>
Sample Name : PEST A L4 Time : 10/19/94 12:19 PM
Sample Number: 8 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 08:41 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD008.raw
Result File : C:\2700\DATA1\2STD008.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.34 | a-BHC | 0.0169 | 264937 | 43780 | MIREX | 1.5664e7 |
| 2 | 9.05 | LINDANE | 0.0169 | 252920 | 47652 | MIREX | 1.4981e7 |
| 3 | 10.66 | HEPTACHLOR | 0.0176 | 264124 | 57797 | MIREX | 1.4976e7 |
| 6 | 13.27 | ENDO I | 0.0172 | 219237 | 49342 | MIREX | 1.2739e7 |
| 8 | 13.94 | DIELDRIN | 0.0351 | 439583 | 99786 | MIREX | 1.2525e7 |
| 9 | 14.54 | ENDRIN | 0.0328 | 307196 | 67507 | MIREX | 9.3674e6 |
| 10 | 14.80 | p,p'-DDD | 0.0340 | 259088 | 57187 | MIREX | 7.6164e6 |
| 13 | 15.88 | p,p'-DDT | 0.0342 | 225027 | 48060 | MIREX | 6.5857e6 |
| 15 | 17.68 | METHOXYCHLOR | 0.1698 | 532961 | 90424 | MIREX | 3.1397e6 |
| 16 | 20.02 | MIREX | 1.0138 | 892348 | 110598 | MIREX | 8.8022e5 |
| | | | 1.3882 | 3657421 | 672133 | | 9.8476e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA1\2STD008.TX0

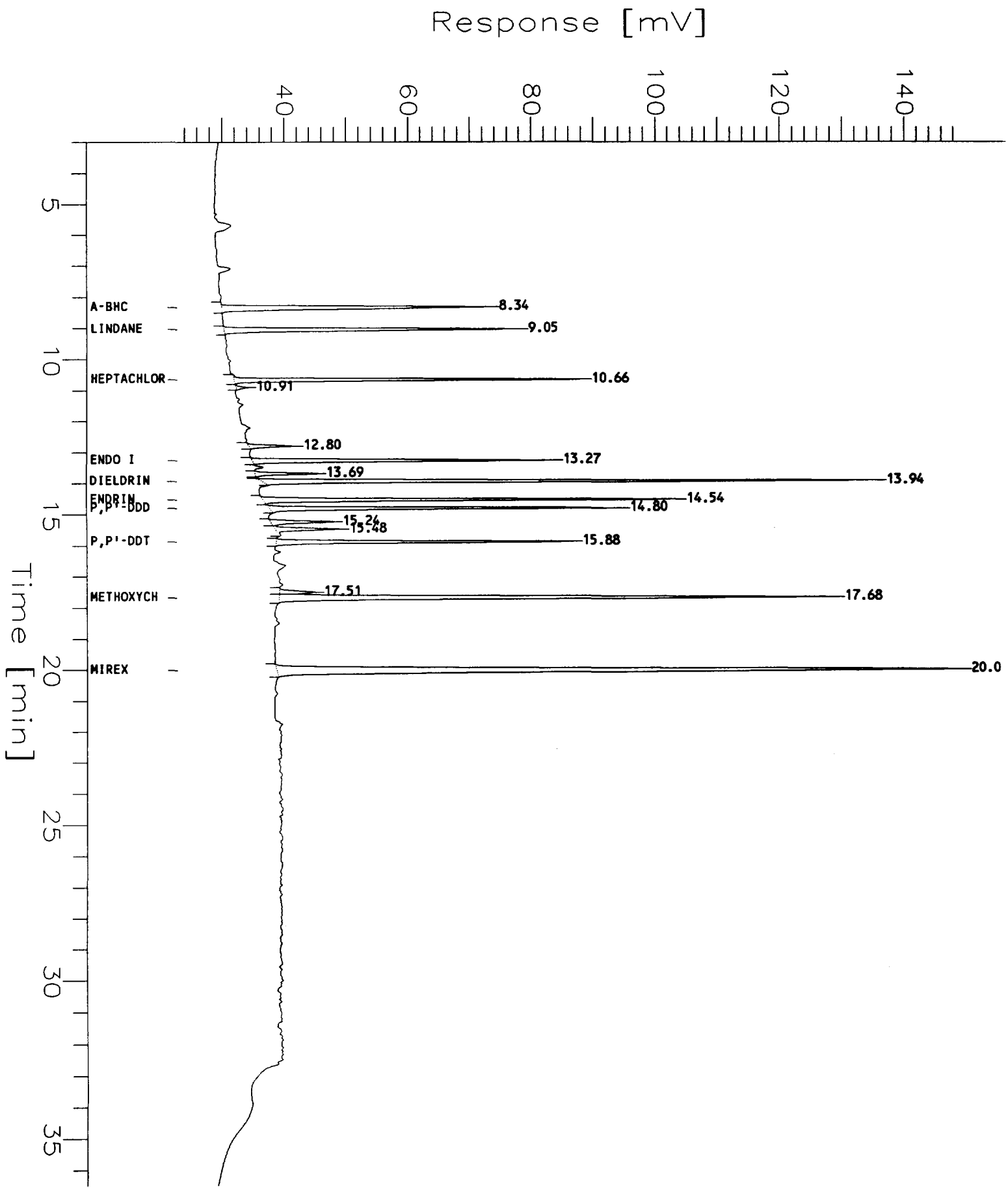
# Chromatogram

Sample Name : PEST A L4
FileName : C:\2700\DATA1\2STD008.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 23 mV

Sample #: 8
Date : 10/19/94 12:20 PM
Low Point : 22.80 mV
Plot Scale: 127 mV



High Point : 149.38 mV



Software Version: 3.1 <2A23>
Sample Name : PEST A L5 Time : 10/19/94 12:20 PM
Sample Number: 9 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 09:18 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD009.raw
Result File : C:\2700\DATA1\2STD009.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTA.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 8.35 | a-BHC | 0.0256 | 408627 | 63961 | MIREX | 1.5966e7 |
| 2 | 9.05 | LINDANE | 0.0256 | 390182 | 70614 | MIREX | 1.5257e7 |
| 3 | 10.66 | HEPTACHLOR | 0.0249 | 372320 | 81513 | MIREX | 1.4976e7 |
| 7 | 13.27 | ENDO I | 0.0252 | 321776 | 70586 | MIREX | 1.2763e7 |
| 10 | 13.94 | DIELDRIN | 0.0504 | 632774 | 141077 | MIREX | 1.2563e7 |
| 11 | 14.54 | ENDRIN | 0.0515 | 492557 | 107936 | MIREX | 9.5668e6 |
| 12 | 14.80 | p,p'-DDD | 0.0509 | 395670 | 87535 | MIREX | 7.7721e6 |
| 15 | 15.88 | p,p'-DDT | 0.0511 | 345658 | 74206 | MIREX | 6.7683e6 |
| 18 | 17.68 | METHOXYCHLOR | 0.2542 | 818832 | 139349 | MIREX | 3.2210e6 |
| 19 | 20.02 | MIREX | 1.0372 | 912933 | 112852 | MIREX | 8.8022e5 |
| | | | 1.5965 | 5091328 | 949629 | | 9.9736e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA1\2STD009.TX0

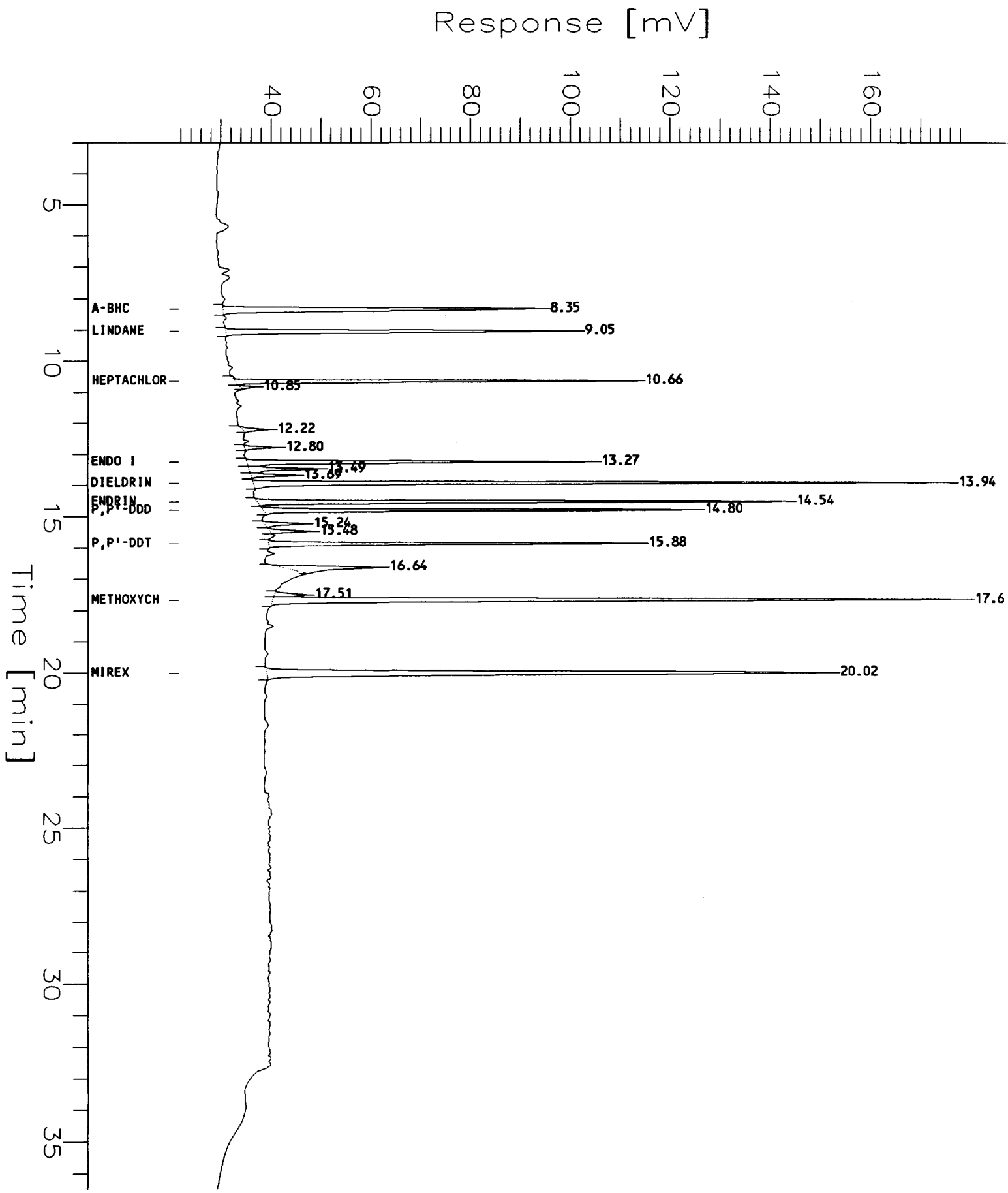
# Chromatogram

Sample Name : PEST A L5
FileName : C:\2700\DATA1\2STD009.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 22 mV

Sample #: 9
Date : 10/19/94 12:20 PM
Low Point : 21.57 mV
Plot Scale: 158 mV



High Point : 179.09 mV

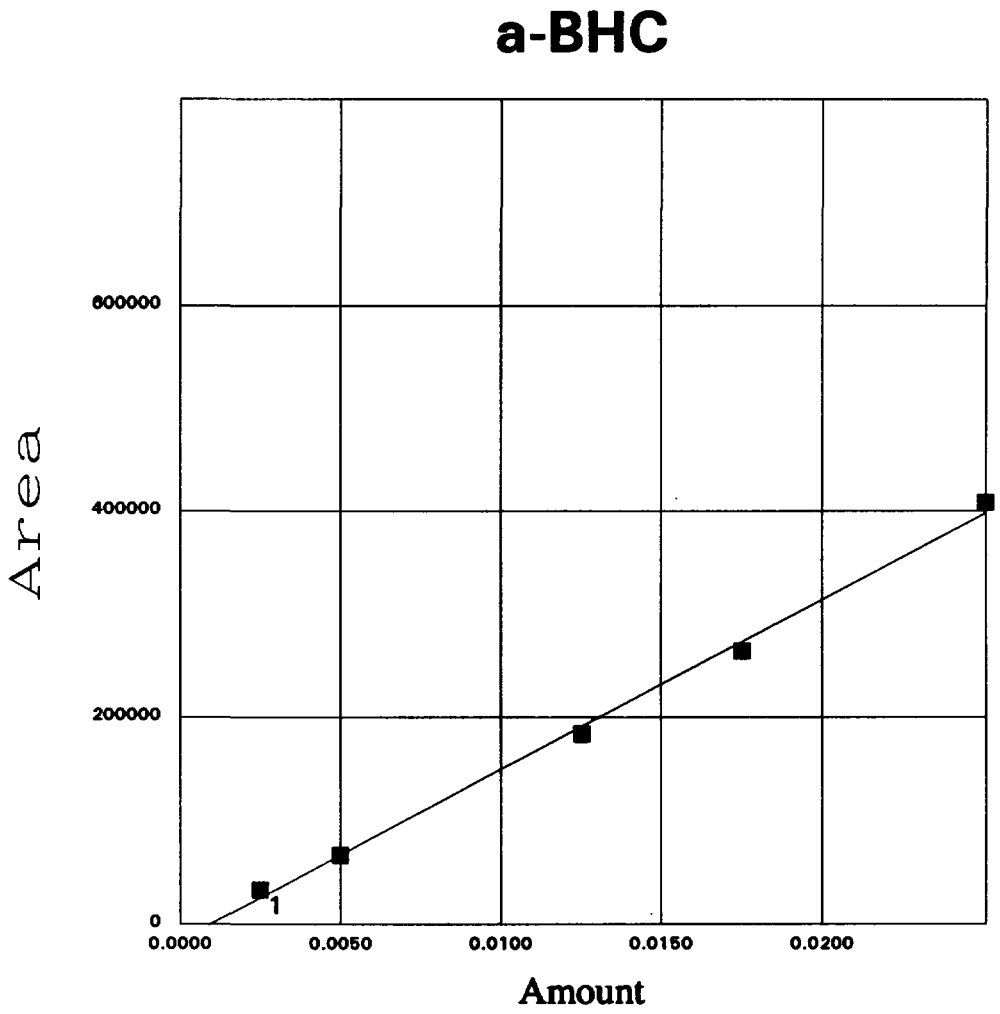


CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:21 PM

**Curve Parameters:**

SECONDARY COLUMN

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996715
Calibration Curve = (-15040.172852) + (16553725.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:21 PM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996715

Calibration Curve = (-15040.172852) + (16553725.000000)X

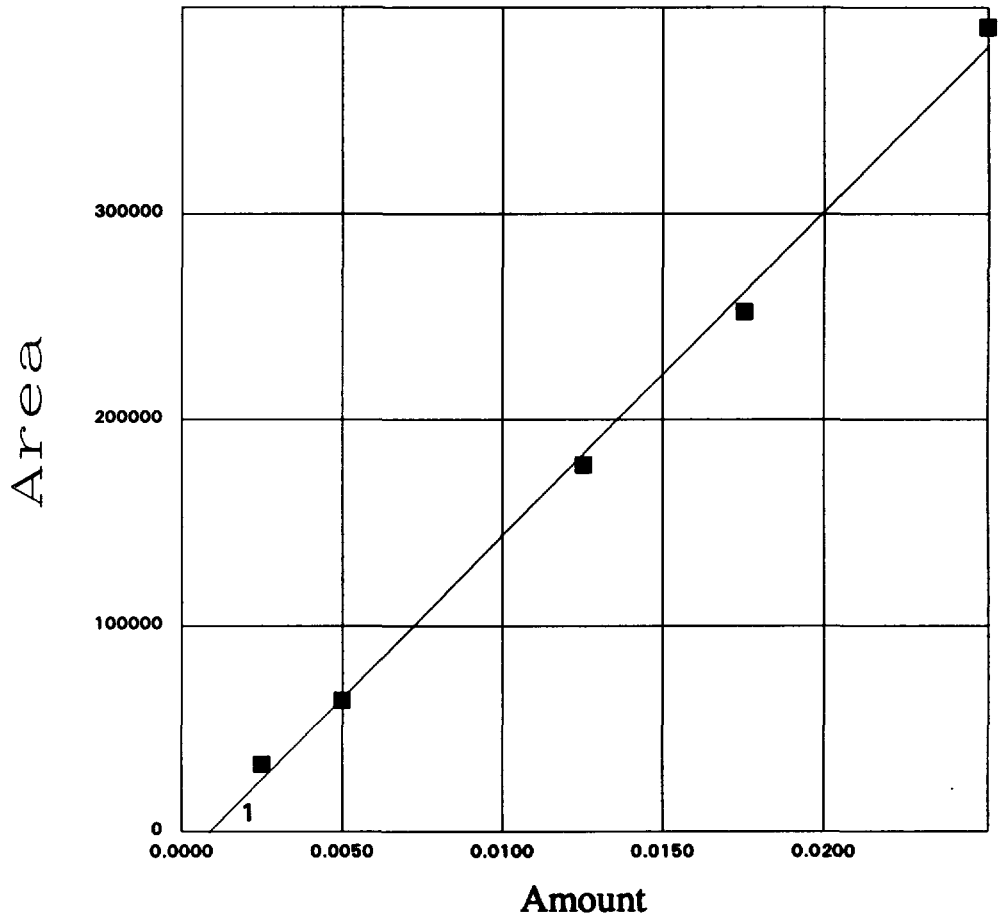
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002961 | -0.000461 | -18.422 | 33968.000000 | 26344.142578 | 7623.857422 | 22.444 |
| 2 | 0.005000 | 0.004984 | 0.000016 | 0.323 | 67461.000000 | 67728.460938 | -267.460938 | -0.397 |
| 3 | 0.012500 | 0.012049 | 0.000451 | 3.609 | 184414.500000 | 191881.406250 | -7466.906250 | -4.049 |
| 4 | 0.017500 | 0.016913 | 0.000587 | 3.353 | 264936.500000 | 274650.031250 | -9713.531250 | -3.666 |
| 5 | 0.025000 | 0.025594 | -0.000594 | -2.374 | 408627.000000 | 398803.000000 | 9824.000000 | 2.404 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:21 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996930
Calibration Curve = (-13758.060547) + (15795988.000000)X

# LINDANE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:21 PM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996930

Calibration Curve = (-13758.060547) + (15795988.000000)X

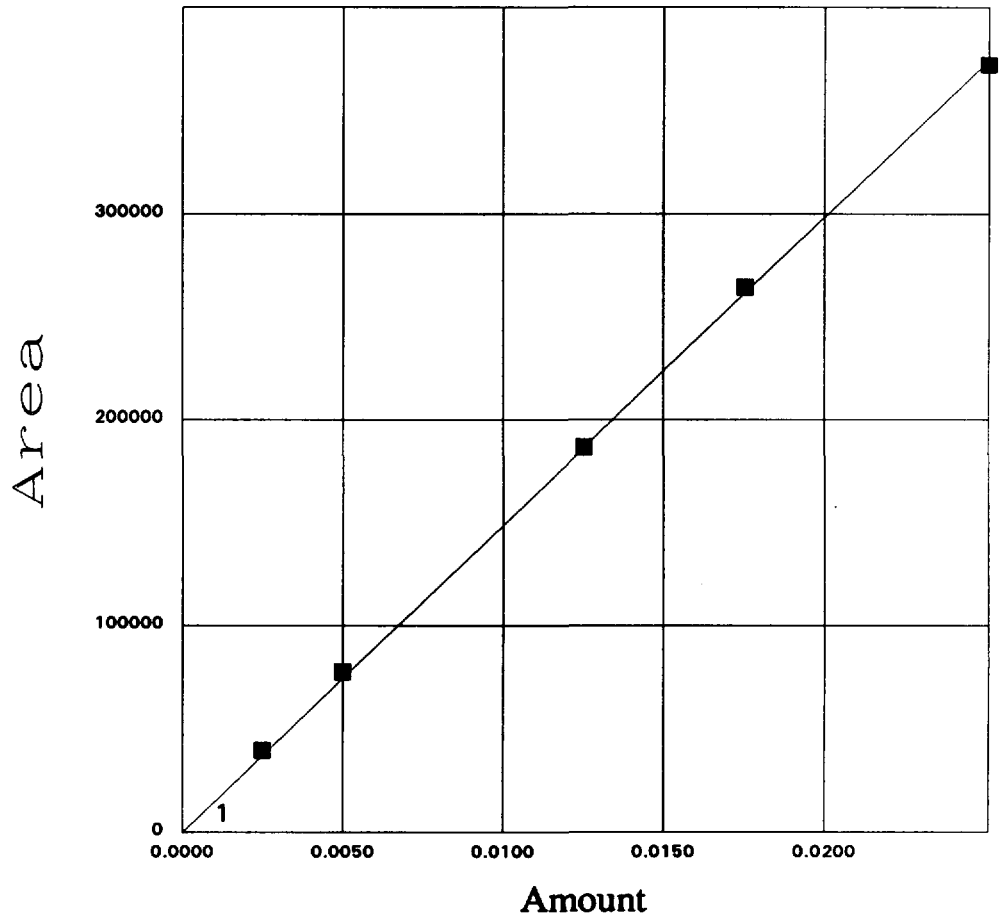
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002955 | -0.000455 | -18.209 | 32922.500000 | 25731.912109 | 7190.587891 | 21.841 |
| 2 | 0.005000 | 0.004935 | 0.000065 | 1.293 | 64200.500000 | 65221.886719 | -1021.386719 | -1.591 |
| 3 | 0.012500 | 0.012155 | 0.000346 | 2.764 | 178234.000000 | 183691.812500 | -5457.812500 | -3.062 |
| 4 | 0.017500 | 0.016883 | 0.000617 | 3.528 | 252920.000000 | 262671.718750 | -9751.718750 | -3.856 |
| 5 | 0.025000 | 0.025572 | -0.000572 | -2.289 | 390182.000000 | 381141.687500 | 9040.312500 | 2.317 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

**Curve Parameters:**

'Curve #1': First Order Polynomial Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999724
Calibration Curve = (14976263.000000)X

# HEPTACHLOR



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999724

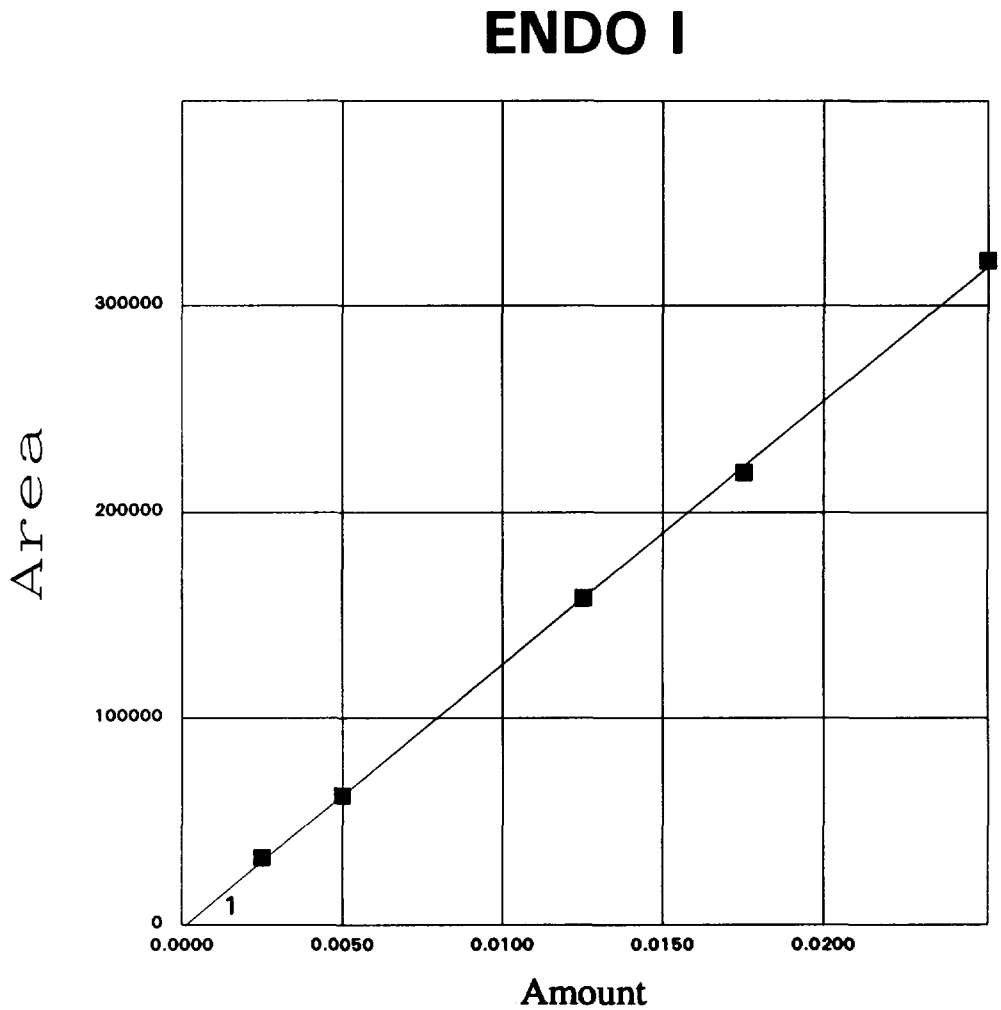
Calibration Curve = (14976263.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002656 | -0.000156 | -6.237 | 39776.000000 | 37440.660156 | 2335.339844 | 5.871 |
| 2 | 0.005000 | 0.005175 | -0.000175 | -3.507 | 77507.000000 | 74881.320313 | 2625.679688 | 3.388 |
| 3 | 0.012500 | 0.012487 | 0.000013 | 0.107 | 187004.000000 | 187203.296875 | -199.296875 | -0.107 |
| 4 | 0.017500 | 0.017636 | -0.000136 | -0.778 | 264124.000000 | 262084.609375 | 2039.390625 | 0.772 |
| 5 | 0.025000 | 0.024861 | 0.000139 | 0.557 | 372320.000000 | 374406.593750 | -2086.593750 | -0.560 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999562
Calibration Curve = (-1317.890259) + (12816270.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999562

Calibration Curve = (-1317.890259) + (12816270.000000)X

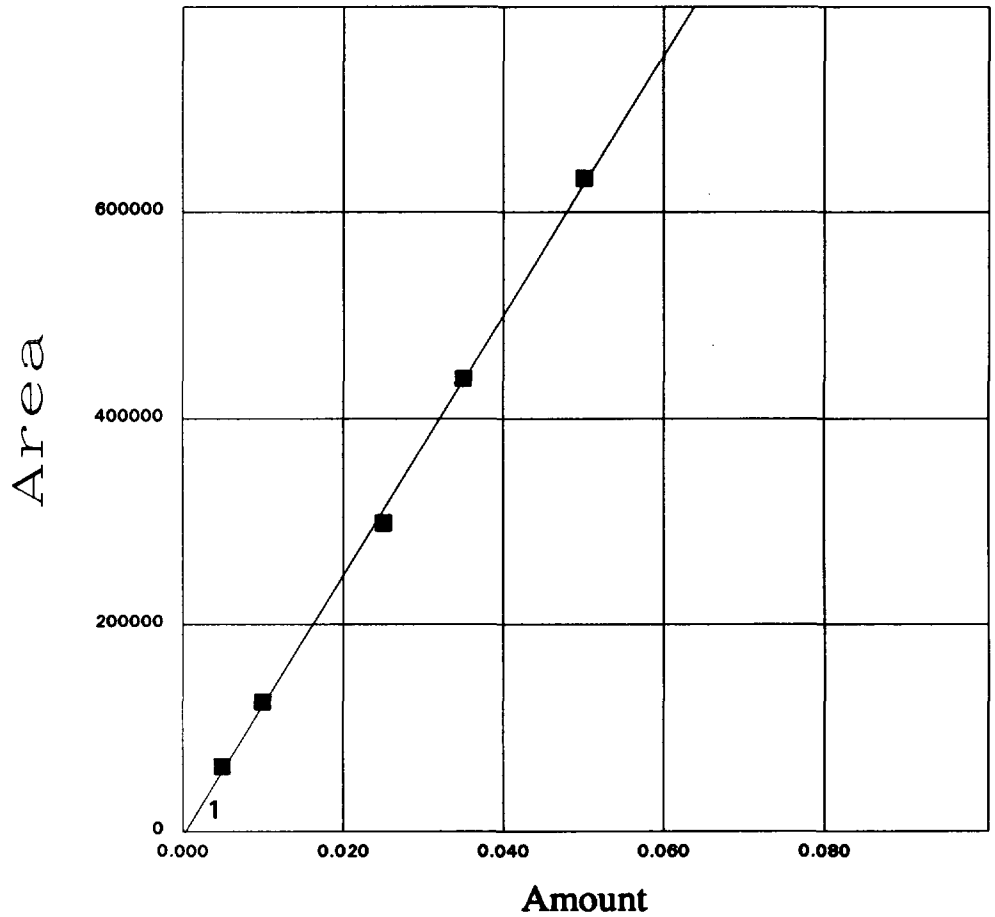
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002634 | -0.000134 | -5.341 | 32434.000000 | 30722.787109 | 1711.212891 | 5.276 |
| 2 | 0.005000 | 0.004977 | 0.000023 | 0.452 | 62474.000000 | 62763.464844 | -289.464844 | -0.463 |
| 3 | 0.012500 | 0.012470 | 0.000030 | 0.237 | 158506.375000 | 158885.500000 | -379.125000 | -0.239 |
| 4 | 0.017500 | 0.017209 | 0.000291 | 1.663 | 219237.000000 | 222966.828125 | -3729.828125 | -1.701 |
| 5 | 0.025000 | 0.025210 | -0.000210 | -0.839 | 321776.125000 | 319088.875000 | 2687.250000 | 0.835 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998997
Calibration Curve = (-4357.324219) + (12649664.000000)X

# DIELDRIN



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998997

Calibration Curve = (-4357.324219) + (12649664.000000)X

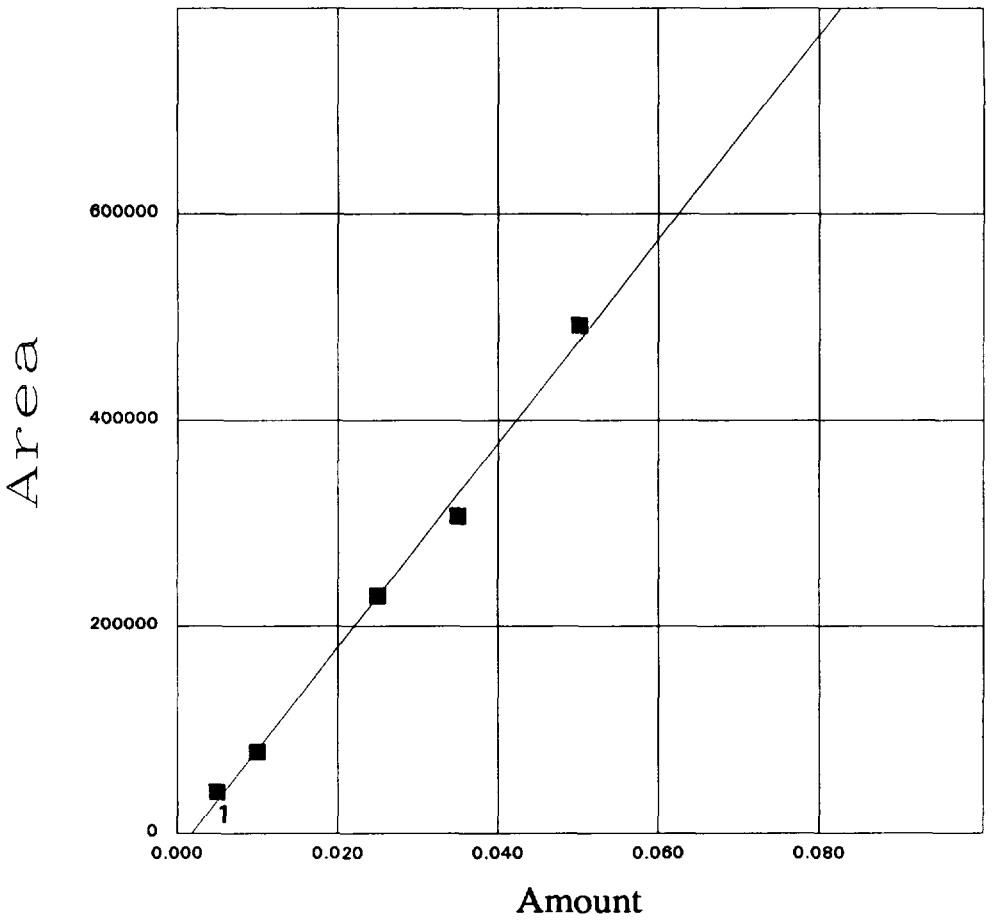
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005346 | -0.000346 | -6.924 | 63270.000000 | 58891.000000 | 4379.000000 | 6.921 |
| 2 | 0.010000 | 0.010214 | -0.000214 | -2.141 | 124848.000000 | 122139.328125 | 2708.671875 | 2.170 |
| 3 | 0.025000 | 0.023977 | 0.001023 | 4.091 | 298946.968750 | 311884.312500 | -12937.343750 | -4.328 |
| 4 | 0.035000 | 0.035095 | -0.000095 | -0.272 | 439583.000000 | 438380.906250 | 1202.093750 | 0.274 |
| 5 | 0.050000 | 0.050367 | -0.000367 | -0.735 | 632773.500000 | 628125.937500 | 4647.562500 | 0.735 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.994168
Calibration Curve = (-18013.523438) + (9916775.000000)X

# ENDRIN



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.994168

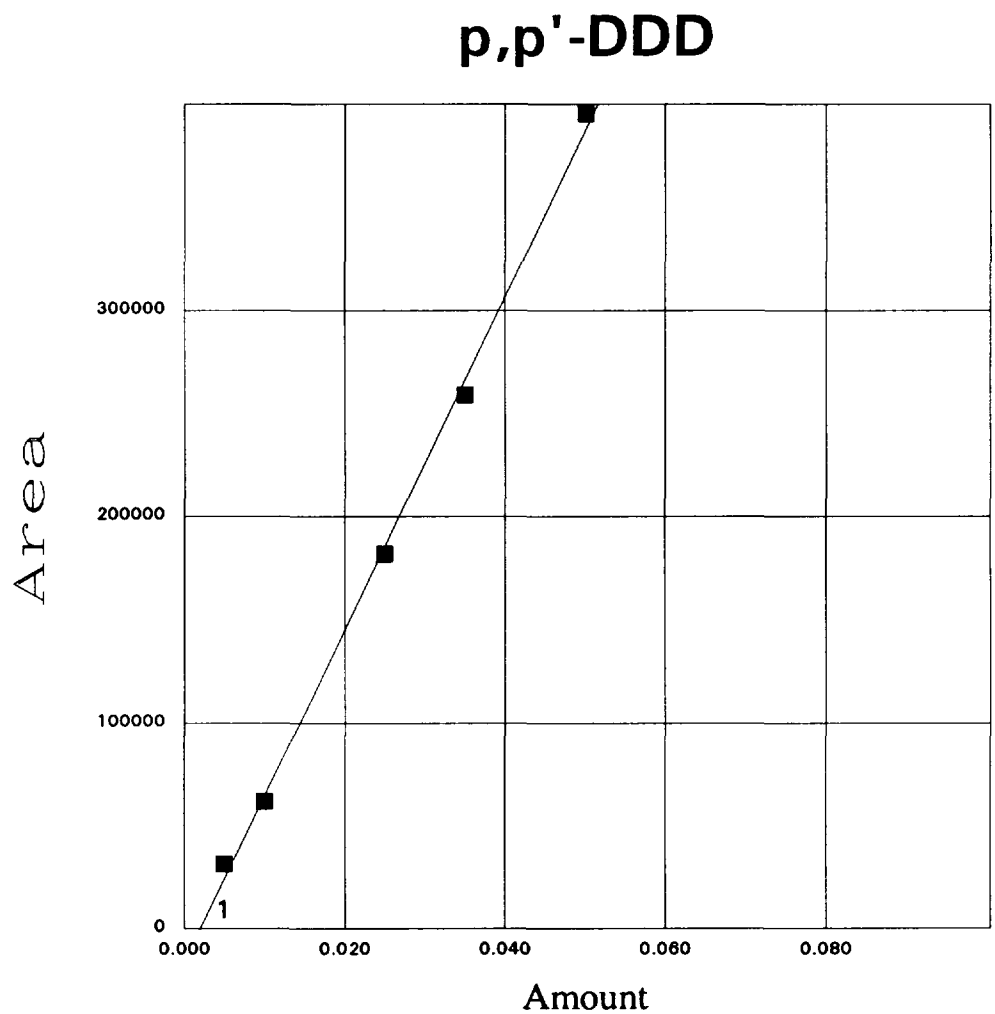
Calibration Curve = (-18013.523438) + (9916775.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005899 | -0.000899 | -17.979 | 40485.000000 | 31570.355469 | 8914.644531 | 22.020 |
| 2 | 0.010000 | 0.009807 | 0.000194 | 1.935 | 79235.000000 | 81154.234375 | -1919.234375 | -2.422 |
| 3 | 0.025000 | 0.025015 | -0.000015 | -0.061 | 230056.875000 | 229905.875000 | 151.000000 | 0.066 |
| 4 | 0.035000 | 0.032794 | 0.002206 | 6.303 | 307196.000000 | 329073.593750 | -21877.593750 | -7.122 |
| 5 | 0.050000 | 0.051486 | -0.001486 | -2.971 | 492556.500000 | 477825.281250 | 14731.218750 | 2.991 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997819
Calibration Curve = (-15958.510742) + (8085581.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:22 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997819

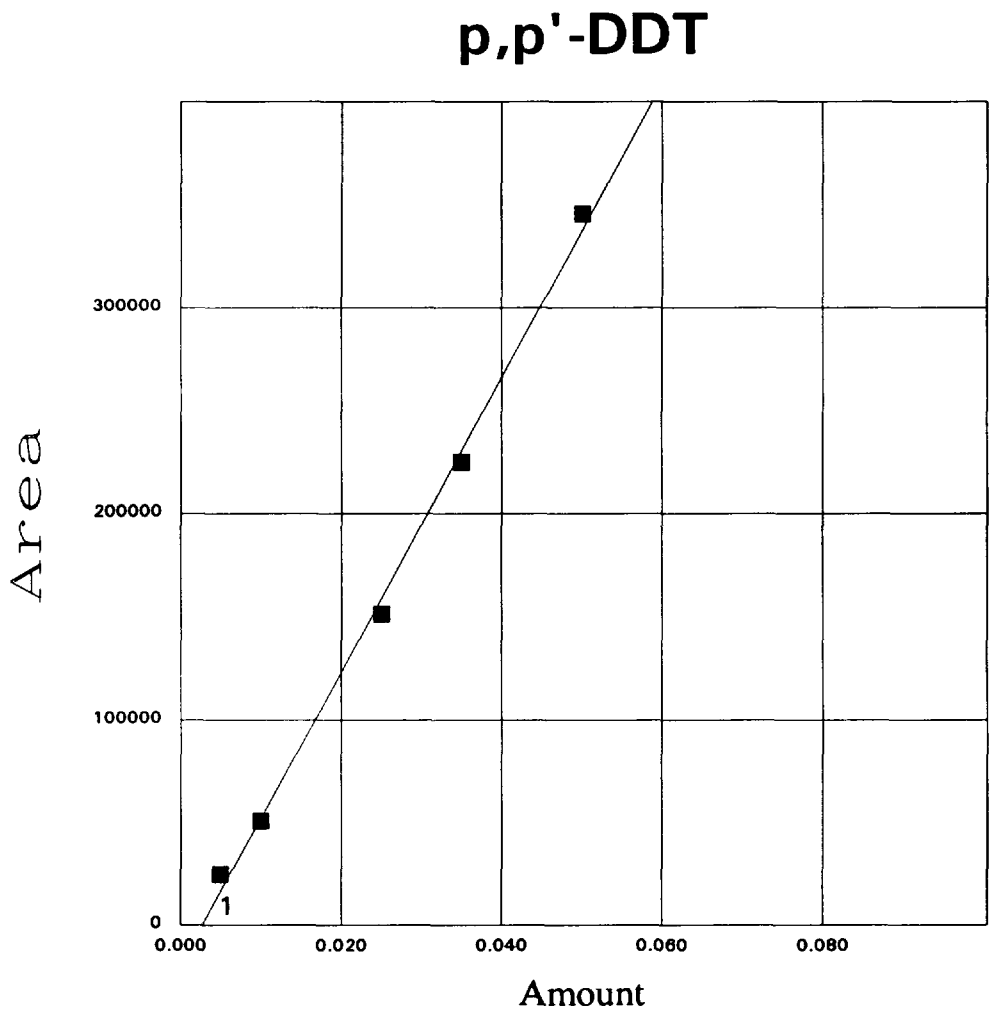
Calibration Curve = (-15958.510742) + (8085581.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005899 | -0.000899 | -17.973 | 31735.500000 | 24469.396484 | 7266.103516 | 22.896 |
| 2 | 0.010000 | 0.009661 | 0.000339 | 3.387 | 62159.000000 | 64897.304688 | -2738.304688 | -4.405 |
| 3 | 0.025000 | 0.024514 | 0.000486 | 1.943 | 182252.625000 | 186181.031250 | -3928.406250 | -2.156 |
| 4 | 0.035000 | 0.034017 | 0.000983 | 2.809 | 259088.000000 | 267036.812500 | -7948.812500 | -3.068 |
| 5 | 0.050000 | 0.050909 | -0.000909 | -1.818 | 395670.000000 | 388320.562500 | 7349.437500 | 1.858 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:23 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996810
Calibration Curve = (-18846.271484) + (7137338.500000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:23 PM

**Data Lists With Calculated Values For Each Fit:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996810

Calibration Curve = (-18846.271484) + (7137338.500000)X

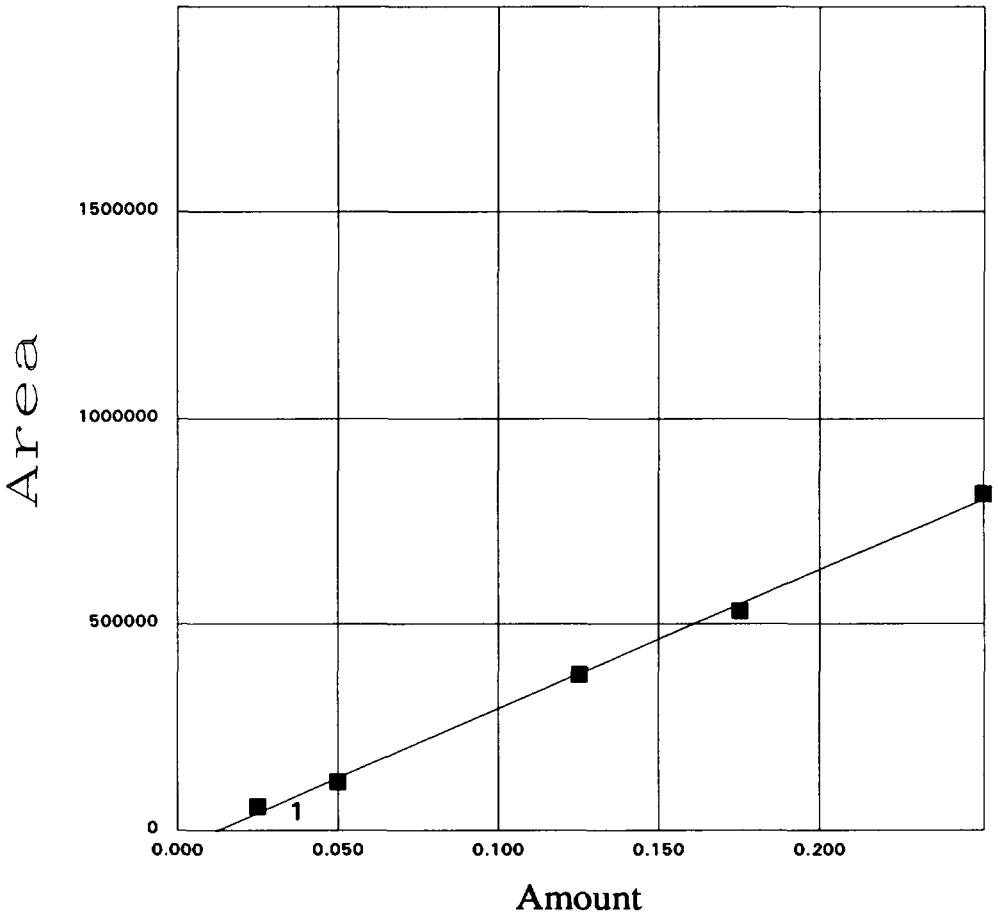
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.006103 | -0.001103 | -22.058 | 24712.000000 | 16840.423828 | 7871.576172 | 31.853 |
| 2 | 0.010000 | 0.009759 | 0.000241 | 2.414 | 50804.000000 | 52527.117188 | -1723.117188 | -3.392 |
| 3 | 0.025000 | 0.023900 | 0.001100 | 4.400 | 151735.500000 | 159587.203125 | -7851.703125 | -5.175 |
| 4 | 0.035000 | 0.034169 | 0.000831 | 2.375 | 225027.000000 | 230960.578125 | -5933.578125 | -2.637 |
| 5 | 0.050000 | 0.051070 | -0.001070 | -2.140 | 345657.500000 | 338020.687500 | 7636.812500 | 2.209 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:23 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997740
Calibration Curve = (-41526.878906) + (3384353.250000)X

# METHOXYCHLOR



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:23 PM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.997740

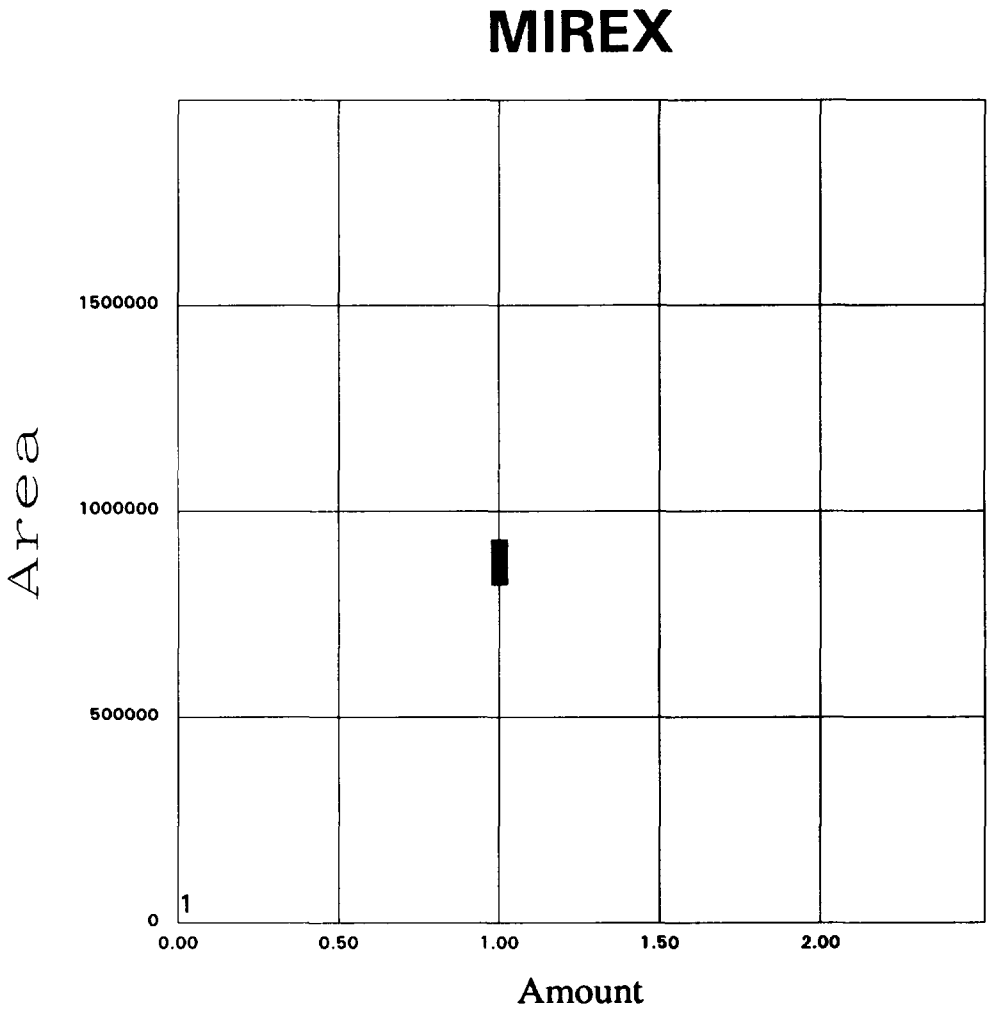
Calibration Curve = (-41526.878906) + (3384353.250000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.025000 | 0.029740 | -0.004740 | -18.958 | 59122.000000 | 43081.960938 | 16040.039063 | 27.130 |
| 2 | 0.050000 | 0.047207 | 0.002793 | 5.586 | 118238.937500 | 127690.796875 | -9451.859375 | -7.994 |
| 3 | 0.125000 | 0.124089 | 0.000912 | 0.729 | 378432.562500 | 381517.281250 | -3084.718750 | -0.815 |
| 4 | 0.175000 | 0.169748 | 0.005252 | 3.001 | 532961.000000 | 550734.937500 | -17773.937500 | -3.335 |
| 5 | 0.250000 | 0.254217 | -0.004217 | -1.687 | 818831.937500 | 804561.437500 | 14270.500000 | 1.743 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:23 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000
Calibration Curve = (0.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTA.SMP"
Date: 10/19/94 Time: 12:23 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit - Forced Through the Origin
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000

Calibration Curve = (0.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 1.000000 | ---------- | ---------- | ------- | 883581.062500 | 0.000000 | 883581.062500 | 100.000 |
| 2 | 1.000000 | ---------- | ---------- | ------- | 842024.000000 | 0.000000 | 842024.000000 | 100.000 |
| 3 | 1.000000 | ---------- | ---------- | ------- | 870226.000000 | 0.000000 | 870226.000000 | 100.000 |
| 4 | 1.000000 | ---------- | ---------- | ------- | 892348.000000 | 0.000000 | 892348.000000 | 100.000 |
| 5 | 1.000000 | ---------- | ---------- | ------- | 912933.000000 | 0.000000 | 912933.000000 | 100.000 |

Software Version: 3.1 <2A23>
Sample Name : PEST B L1 Time : 10/19/94 12:39 PM
Sample Number: 10 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 09:55 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD010.raw
Result File : C:\2700\DATA1\2STD010.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

SECONDARY COLUMN

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.50 | TCMX | 0.0022 | 38922 | 4957 | MIREX | 1.7578e7 |
| 3 | 8.87 | b-BHC | 0.0024 | 20642 | 3604 | MIREX | 8.6351e6 |
| 4 | 9.49 | d-BHC | 0.0031 | 10818 | 2566 | MIREX | 3.4766e6 |
| 6 | 11.46 | ALDRIN | 0.0025 | 23851 | 5598 | MIREX | 9.5945e6 |
| 7 | 12.34 | HEPT EPOXIDE | 0.0028 | 41323 | 8505 | MIREX | 1.4768e7 |
| 8 | 12.93 | g-CHLORDANE | 0.0024 | 34825 | 7812 | MIREX | 1.4419e7 |
| 9 | 13.31 | a-CHLORDANE | 0.0023 | 30640 | 7064 | MIREX | 1.3243e7 |
| 11 | 13.69 | p,p'-DDE | 0.0052 | 42150 | 9851 | MIREX | 8.1288e6 |
| 12 | 14.75 | ENDO II | 0.0054 | 40872 | 9013 | MIREX | 7.5253e6 |
| 13 | 15.24 | END SULFATE | 0.0054 | 29356 | 6046 | MIREX | 5.4411e6 |
| 14 | 15.91 | ENDRIN ALD | 0.0060 | 6737 | 1477 | MIREX | 1.1204e6 |
| 15 | 17.50 | END KETONE | 0.0060 | 26231 | 4887 | MIREX | 4.3707e6 |
| 17 | 20.02 | MIREX | 0.0000 | 858445 | 110639 | MIREX | ------- |
| 18 | 28.46 | DCLB | 0.0027 | 31367 | 2849 | MIREX | 1.1434e7 |
| | | | 0.0485 | 1236177 | 184870 | | 1.1973e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA1\2STD010.TXO

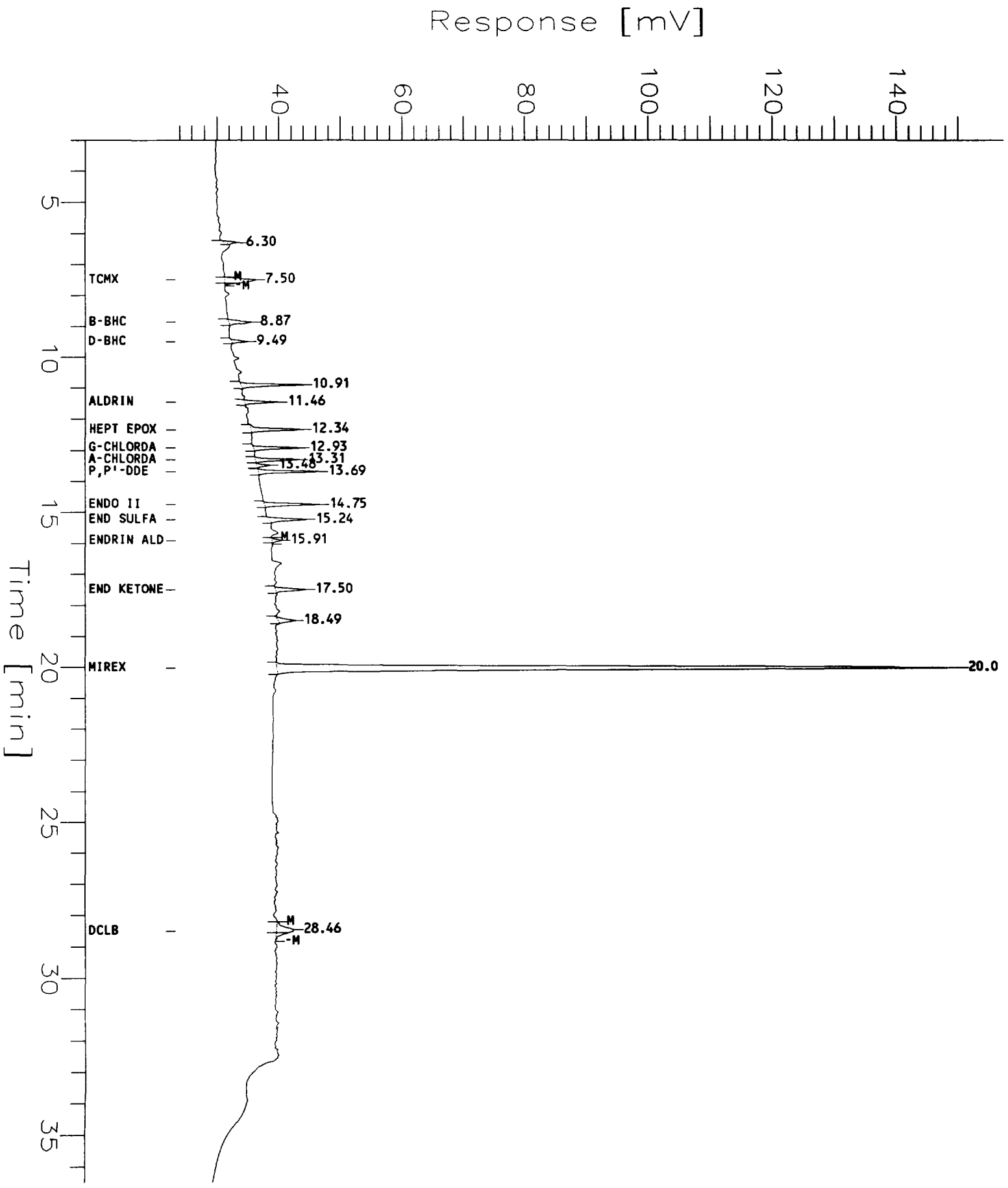
# Chromatogram

Sample Name : PEST B L1
FileName : C:\2700\DATA1\2STD010.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 23 mV

Sample #: 10
Date : 10/19/94 12:39 PM
Low Point : 23.32 mV
Plot Scale: 127 mV



High Point : 150.36 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L2 Time : 10/18/94 01:38 PM
Sample Number: 11 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 10:32 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD011.raw
Result File : C:\2700\DATA1\2STD011.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.50 | TCMX | 0.0054 | 85091 | 10219 | MIREX | 1.5859e7 |
| 2 | 8.87 | b-BHC | 0.0050 | 42371 | 7202 | MIREX | 8.3991e6 |
| 3 | 9.49 | d-BHC | 0.0048 | 22793 | 5157 | MIREX | 4.7691e6 |
| 5 | 11.46 | ALDRIN | 0.0052 | 49523 | 11541 | MIREX | 9.5972e6 |
| 6 | 12.35 | HEPT EPOXIDE | 0.0046 | 60606 | 14255 | MIREX | 1.3221e7 |
| 7 | 12.93 | g-CHLORDANE | 0.0050 | 64965 | 14485 | MIREX | 1.2883e7 |
| 8 | 13.31 | a-CHLORDANE | 0.0050 | 61291 | 13853 | MIREX | 1.2157e7 |
| 9 | 13.69 | p,p'-DDE | 0.0101 | 83761 | 19282 | MIREX | 8.3124e6 |
| 10 | 14.75 | ENDO II | 0.0096 | 76796 | 16902 | MIREX | 8.0253e6 |
| 11 | 15.24 | END SULFATE | 0.0099 | 56505 | 11288 | MIREX | 5.6954e6 |
| 12 | 15.91 | ENDRIN ALD | 0.0091 | 14705 | 3205 | MIREX | 1.6092e6 |
| 13 | 17.50 | END KETONE | 0.0092 | 51017 | 8587 | MIREX | 5.5455e6 |
| 14 | 20.02 | MIREX | 0.0000 | 923203 | 116590 | MIREX | ------- |
| 15 | 28.48 | DCLB | 0.0054 | 66635 | 5626 | MIREX | 1.2353e7 |
| | | | 0.0883 | 1659262 | 258189 | | 1.1842e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA1\2STD011.TXO

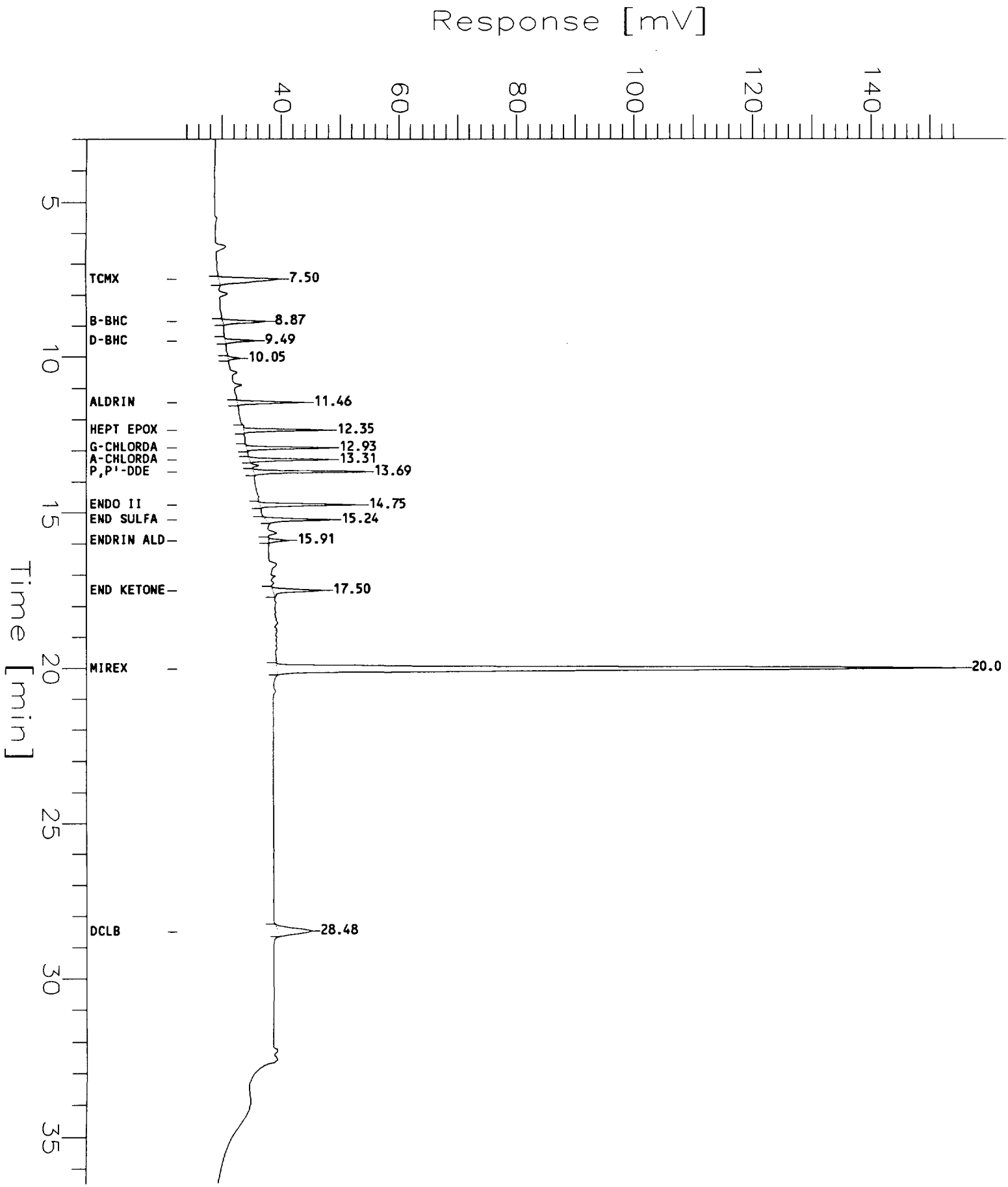
# Chromatogram

Sample Name : PEST B L2
FileName : C:\2700\DATA1\2STD011.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 22 mV

Sample #: 11
Date : 10/18/94 01:38 PM
Low Point : 22.39 mV
Plot Scale: 133 mV



High Point : 155.53 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L3 Time : 10/18/94 01:40 PM
Sample Number: 12 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 11:09 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD012.raw
Result File : C:\2700\DATA1\2STD012.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.51 | TCMX | 0.0129 | 195656 | 22250 | MIREX | 1.5155e7 |
| 4 | 8.87 | b-BHC | 0.0125 | 103360 | 17262 | MIREX | 8.2724e6 |
| 5 | 9.50 | d-BHC | 0.0120 | 74771 | 15351 | MIREX | 6.2218e6 |
| 9 | 11.46 | ALDRIN | 0.0123 | 117993 | 27589 | MIREX | 9.5986e6 |
| 11 | 12.35 | HEPT EPOXIDE | 0.0126 | 146946 | 33357 | MIREX | 1.1680e7 |
| 12 | 12.93 | g-CHLORDANE | 0.0125 | 150937 | 33531 | MIREX | 1.2039e7 |
| 13 | 13.31 | a-CHLORDANE | 0.0128 | 148062 | 32122 | MIREX | 1.1600e7 |
| 15 | 13.69 | p,p'-DDE | 0.0248 | 208941 | 47440 | MIREX | 8.4278e6 |
| 16 | 14.75 | ENDO II | 0.0250 | 210871 | 45711 | MIREX | 8.4304e6 |
| 17 | 15.24 | END SULFATE | 0.0246 | 144451 | 28302 | MIREX | 5.8761e6 |
| 19 | 15.92 | ENDRIN ALD | 0.0239 | 52307 | 11174 | MIREX | 2.1897e6 |
| 21 | 17.51 | END KETONE | 0.0249 | 172734 | 30532 | MIREX | 6.9356e6 |
| 22 | 20.02 | MIREX | 0.0000 | 923959 | 114685 | MIREX | ------- |
| 23 | 28.50 | DCLB | 0.0122 | 156714 | 12527 | MIREX | 1.2882e7 |
| | | | 0.2229 | 2807701 | 471832 | | 1.1931e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

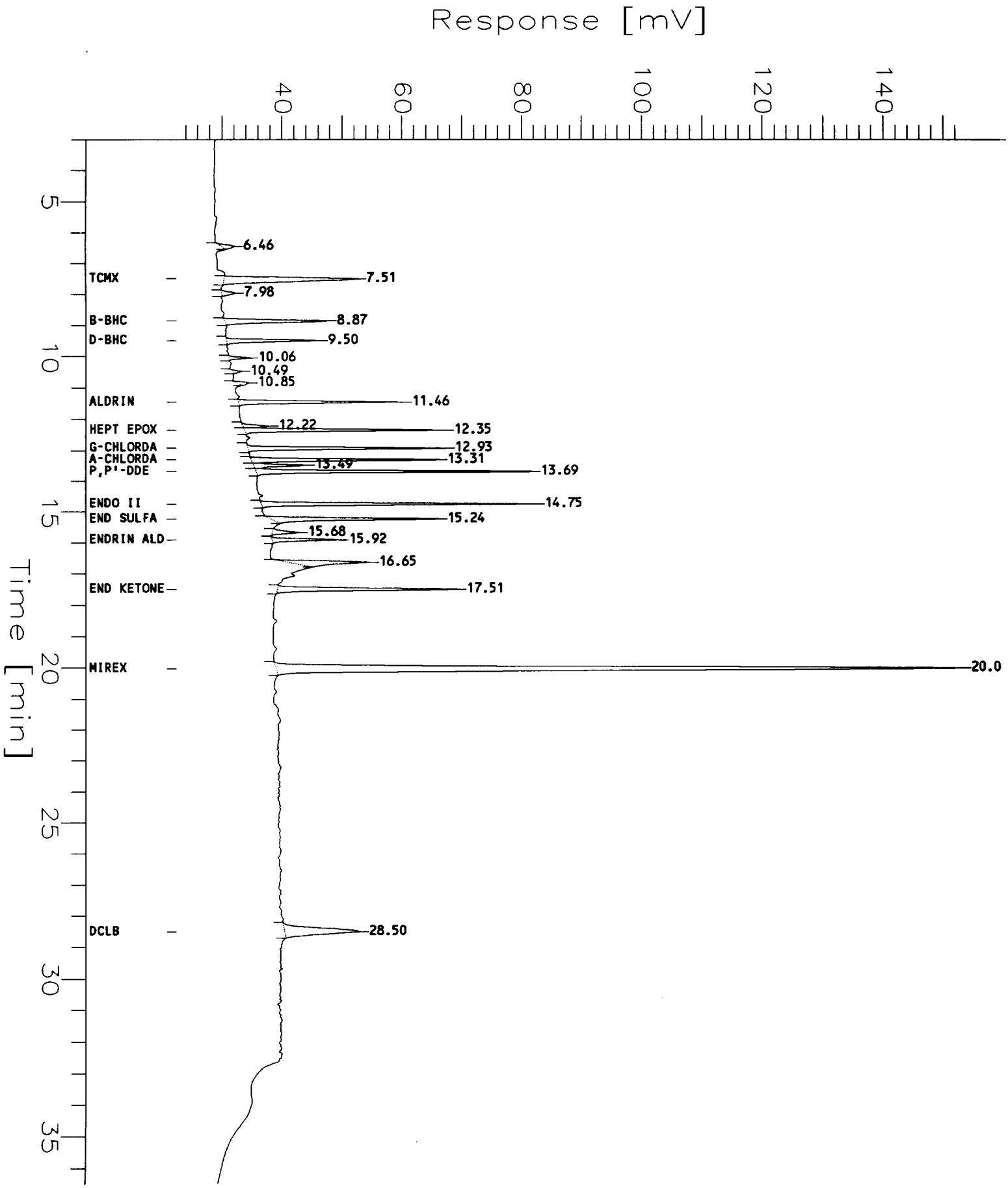
Report Stored in ASCII File: C:\2700\DATA1\2STD012.TXO

# Chromatogram

Sample Name : PEST B L3
FileName : C:\2700\DATA1\2STD012.raw
Start Time : 3.00 min  End Time : 36.50 min
Scale Factor: 1  Plot Offset: 23 mV

Sample #: 12
Date : 10/18/94 01:40 PM
Low Point : 22.49 mV  High Point : 153.21 mV
Plot Scale: 131 mV





Software Version: 3.1 <2A23>
Sample Name : PEST B L4 Time : 10/18/94 01:40 PM
Sample Number: 13 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/6/94 11:47 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD013.raw
Result File : C:\2700\DATA1\2STD013.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.50 | TCMX | 0.0185 | 277430 | 30893 | MIREX | 1.5004e7 |
| 4 | 8.87 | b-BHC | 0.0177 | 146127 | 24037 | MIREX | 8.2470e6 |
| 5 | 9.50 | d-BHC | 0.0171 | 110967 | 22760 | MIREX | 6.5052e6 |
| 9 | 11.46 | ALDRIN | 0.0175 | 167607 | 39096 | MIREX | 9.5989e6 |
| 11 | 12.35 | HEPT EPOXIDE | 0.0176 | 200937 | 45947 | MIREX | 1.1429e7 |
| 12 | 12.93 | g-CHLORDANE | 0.0176 | 208767 | 46206 | MIREX | 1.1876e7 |
| 13 | 13.31 | a-CHLORDANE | 0.0175 | 201383 | 43978 | MIREX | 1.1501e7 |
| 15 | 13.69 | p,p'-DDE | 0.0346 | 292274 | 67750 | MIREX | 8.4502e6 |
| 16 | 14.75 | ENDO II | 0.0348 | 296130 | 64080 | MIREX | 8.5012e6 |
| 17 | 15.24 | END SULFATE | 0.0347 | 205266 | 39549 | MIREX | 5.9118e6 |
| 19 | 15.92 | ENDRIN ALD | 0.0359 | 82893 | 17531 | MIREX | 2.3099e6 |
| 21 | 17.51 | END KETONE | 0.0343 | 245445 | 43384 | MIREX | 7.1584e6 |
| 22 | 20.03 | MIREX | 0.0000 | 914342 | 116127 | MIREX | ------- |
| 23 | 28.51 | DCLB | 0.0176 | 228452 | 17790 | MIREX | 1.3012e7 |
| | | | 0.3153 | 3578019 | 619127 | | 1.1950e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

Report Stored in ASCII File: C:\2700\DATA1\2STD013.TX0

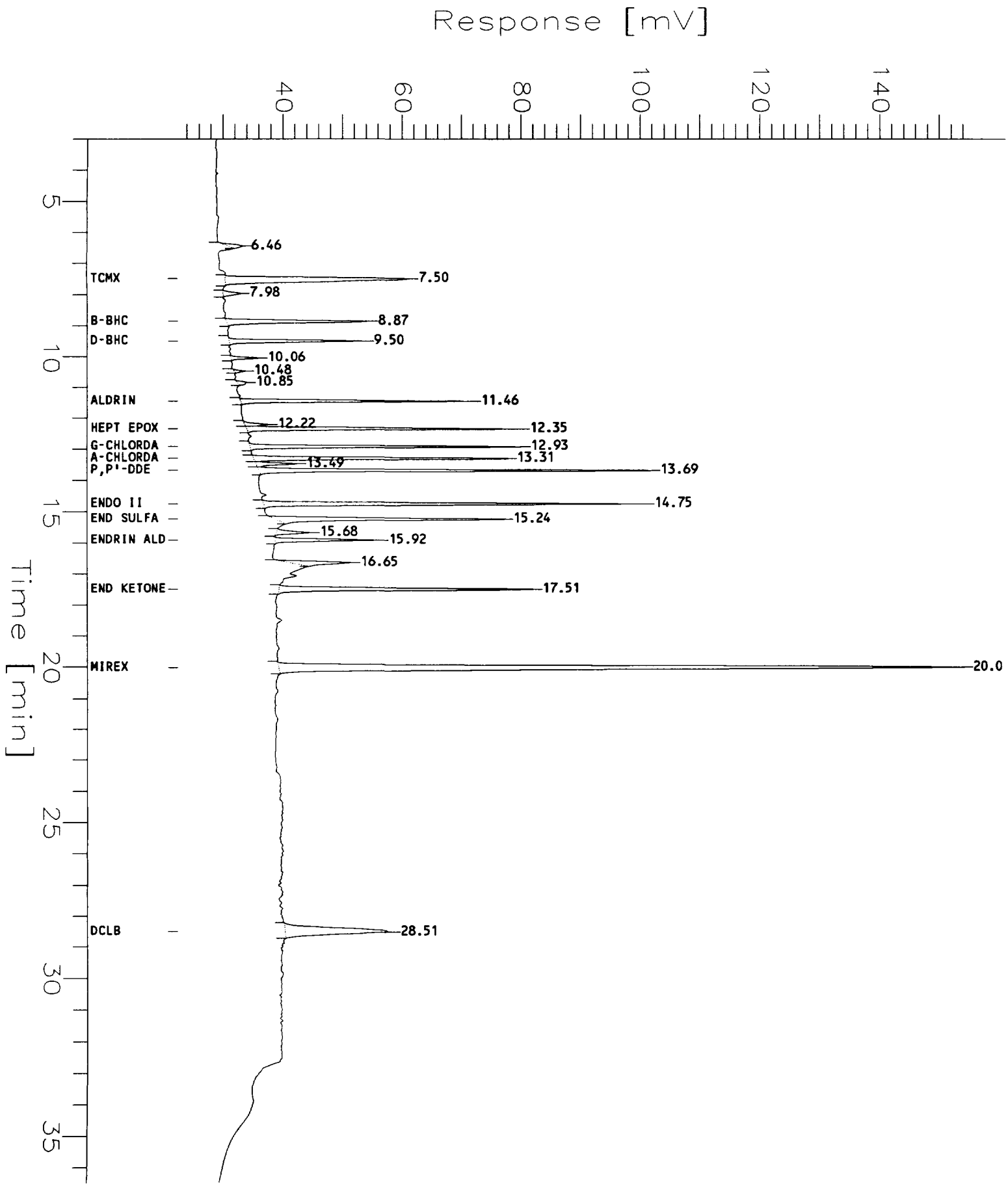
# Chromatogram

Sample Name : PEST B L4
FileName : C:\2700\DATA1\2STD013.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 23 mV

Sample #: 13
Date : 10/18/94 01:40 PM
Low Point : 22.49 mV
Plot Scale: 132 mV



High Point : 154.18 mV



Software Version: 3.1 <2A23>
Sample Name : PEST B L5 Time : 10/18/94 01:40 PM
Sample Number: 14 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 12:24 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD014.raw
Result File : C:\2700\DATA1\2STD014.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 1.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 2 | 7.51 | TCMX | 0.0258 | 384262 | 44404 | MIREX | 1.4905e7 |
| 4 | 8.87 | b-BHC | 0.0249 | 204523 | 34276 | MIREX | 8.2297e6 |
| 5 | 9.50 | d-BHC | 0.0255 | 171829 | 35712 | MIREX | 6.7295e6 |
| 9 | 11.46 | ALDRIN | 0.0251 | 240943 | 56611 | MIREX | 9.5991e6 |
| 11 | 12.35 | HEPT EPOXIDE | 0.0250 | 280571 | 64586 | MIREX | 1.1242e7 |
| 12 | 12.93 | g-CHLORDANE | 0.0249 | 293054 | 65438 | MIREX | 1.1756e7 |
| 13 | 13.31 | a-CHLORDANE | 0.0249 | 284110 | 62421 | MIREX | 1.1422e7 |
| 15 | 13.69 | p,p'-DDE | 0.0504 | 426444 | 98370 | MIREX | 8.4680e6 |
| 16 | 14.75 | ENDO II | 0.0502 | 429124 | 93086 | MIREX | 8.5563e6 |
| 17 | 15.24 | END SULFATE | 0.0504 | 299198 | 56833 | MIREX | 5.9387e6 |
| 19 | 15.92 | ENDRIN ALD | 0.0586 | 140844 | 29796 | MIREX | 2.4027e6 |
| 21 | 17.51 | END KETONE | 0.0506 | 371913 | 65652 | MIREX | 7.3491e6 |
| 22 | 20.03 | MIREX | 0.0000 | 909407 | 118183 | MIREX | ------- |
| 23 | 28.51 | DCLB | 0.0251 | 328380 | 25063 | MIREX | 1.3099e7 |
| | | | 0.4612 | 4764600 | 850431 | | 1.1970e8 |

Missing Component Report
Component Expected Retention (Sample File)

All Components Were Found

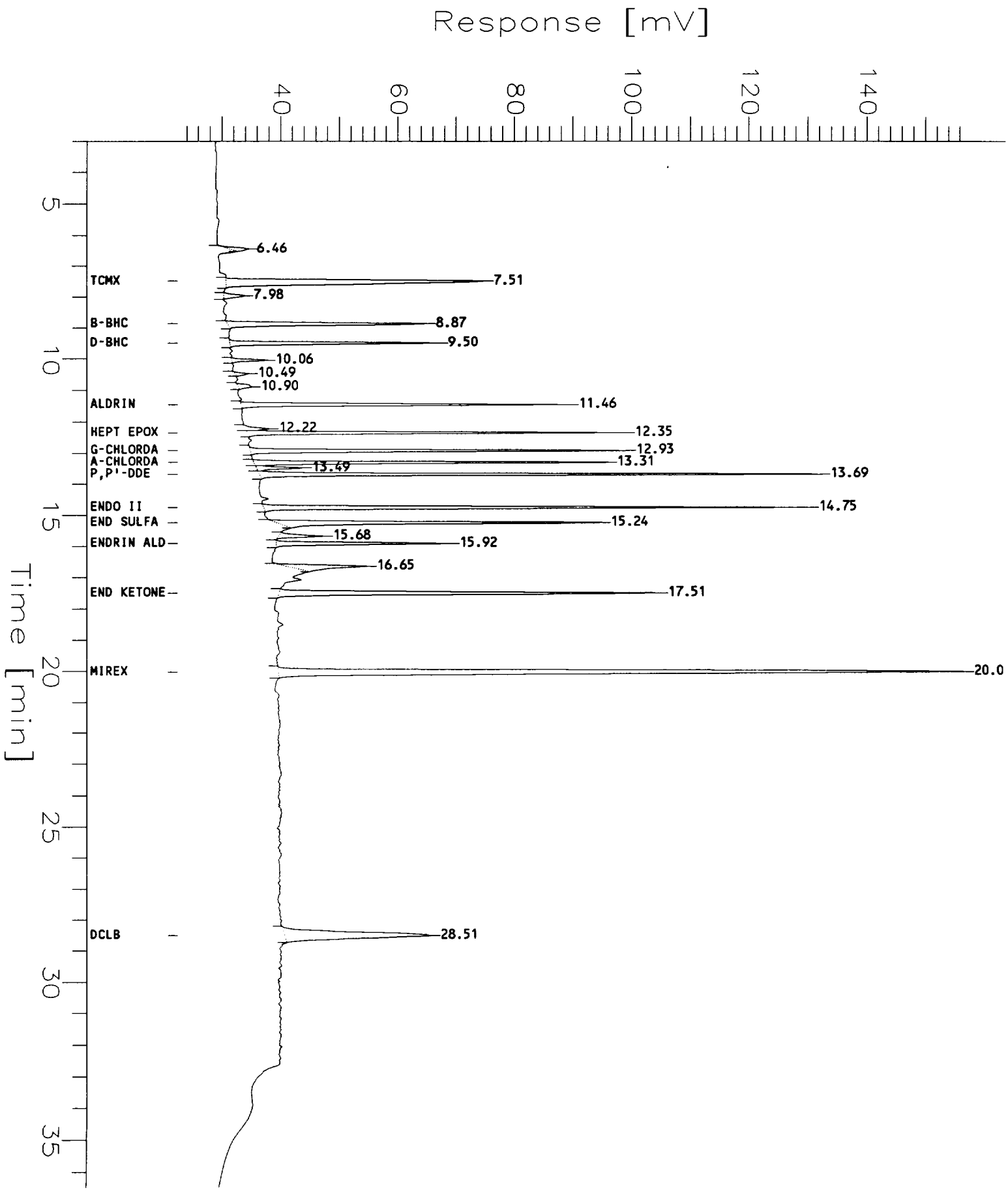
Report Stored in ASCII File: C:\2700\DATA1\2STD014.TXO

# Chromatogram

Sample Name : PEST B L5
FileName : C:\2700\DATA1\2STD014.raw
Start Time : 3.00 min  End Time : 36.50 min
Scale Factor: 1  Plot Offset: 22 mV

Sample #: 14
Date : 10/18/94 01:40 PM
Low Point : 22.44 mV  High Point : 156.74 mV
Plot Scale: 134 mV



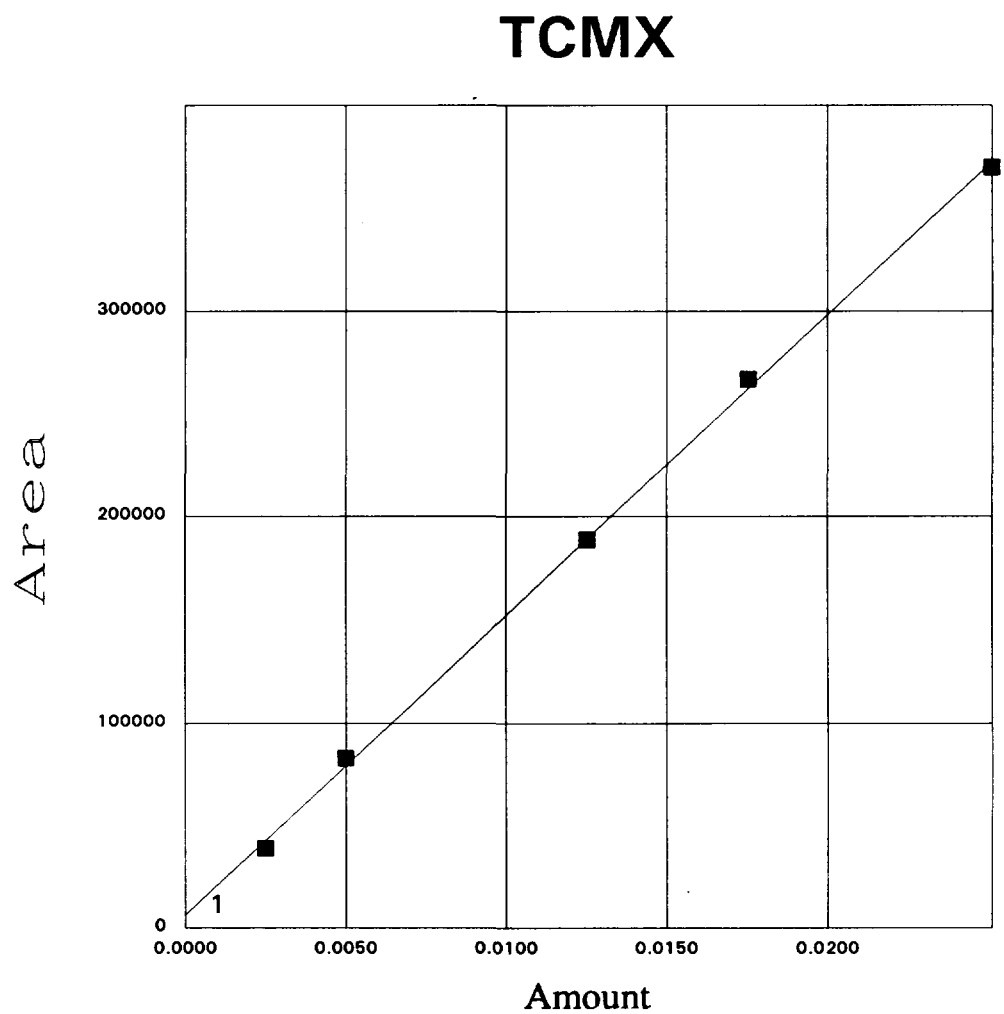


CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:40 PM

**Curve Parameters:**

SECONDARY COLUMN

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999228
Calibration Curve = (6460.455078) + (14655265.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:40 PM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 : First Order Polynomial Fit**

**Weighting Factor = 1.0 (No Weighting)** $r^2 = 0.999228$

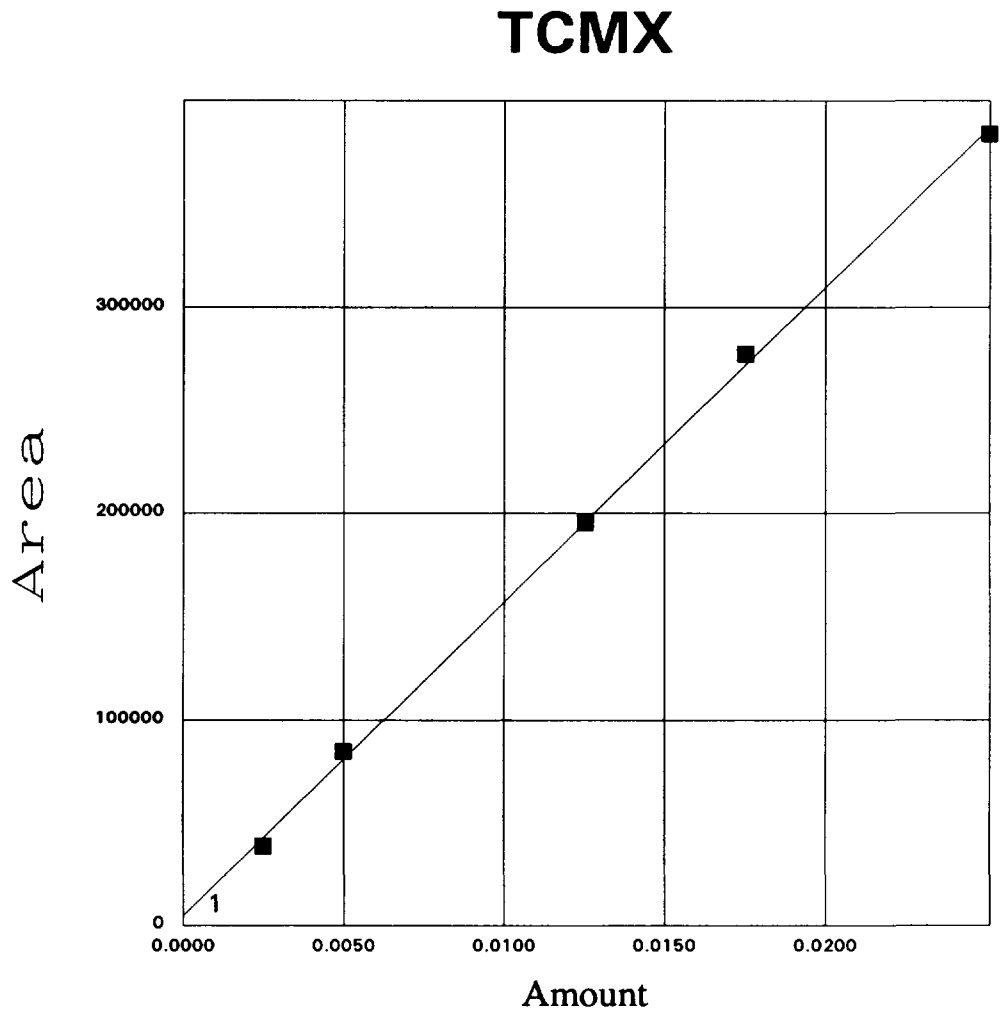
Calibration Curve = (6460.455078) + (14655265.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002215 | 0.000285 | 11.408 | 38919.000000 | 43098.621094 | -4179.621094 | -10.739 |
| 2 | 0.005000 | 0.005238 | -0.000238 | -4.766 | 83229.000000 | 79736.789063 | 3492.210938 | 4.196 |
| 3 | 0.012500 | 0.012461 | 0.000039 | 0.313 | 189077.562500 | 189651.281250 | -573.718750 | -0.303 |
| 4 | 0.017500 | 0.017785 | -0.000285 | -1.631 | 267110.062500 | 262927.593750 | 4182.468750 | 1.566 |
| 5 | 0.025000 | 0.024801 | 0.000199 | 0.797 | 369920.750000 | 372842.125000 | -2921.375000 | -0.790 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/18/94 Time: 01:47 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999186
Calibration Curve = (5049.145996) + (15297843.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/18/94 Time: 01:47 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999186

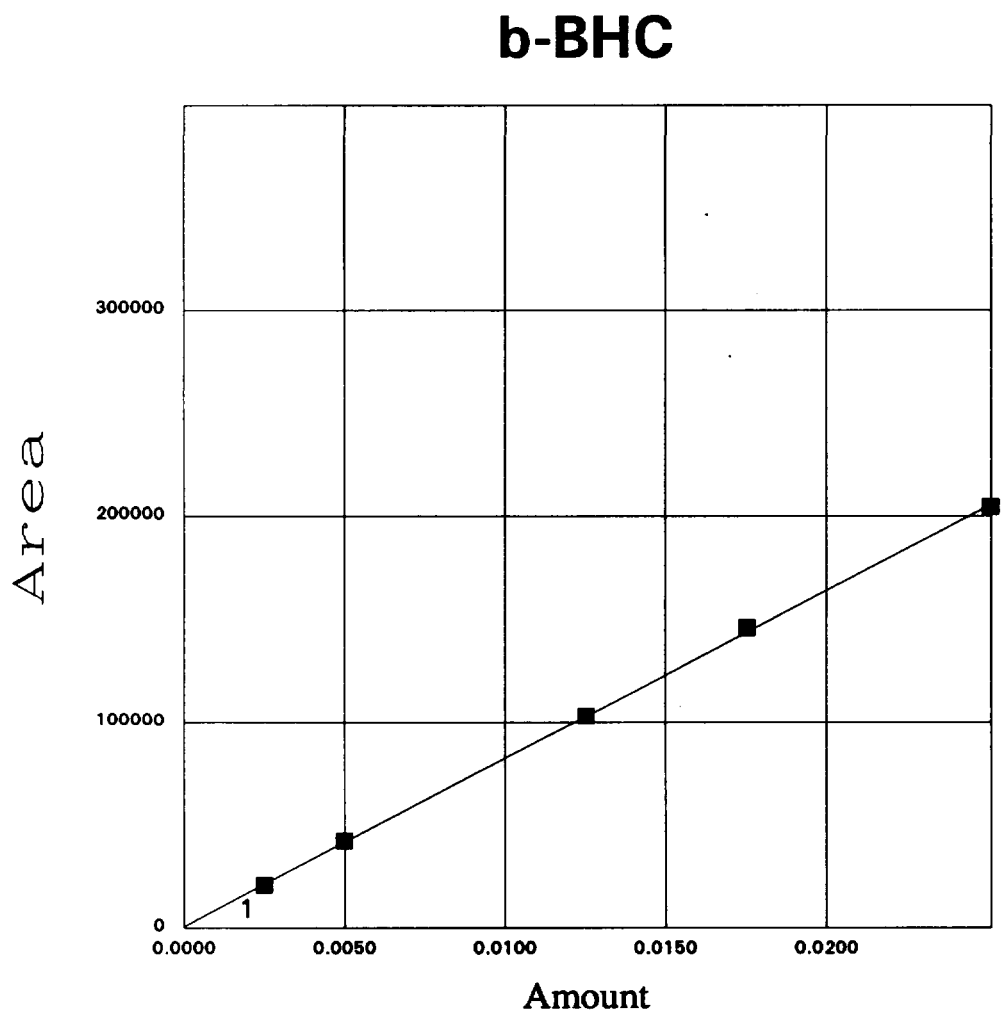
Calibration Curve = (5049.145996) + (15297843.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002214 | 0.000286 | 11.431 | 38922.000000 | 43293.757813 | -4371.757813 | -11.232 |
| 2 | 0.005000 | 0.005232 | -0.000232 | -4.645 | 85091.000000 | 81538.367188 | 3552.632813 | 4.175 |
| 3 | 0.012500 | 0.012460 | 0.000040 | 0.322 | 195656.000000 | 196272.203125 | -616.203125 | -0.315 |
| 4 | 0.017500 | 0.017805 | -0.000305 | -1.744 | 277430.000000 | 272761.406250 | 4668.593750 | 1.683 |
| 5 | 0.025000 | 0.024789 | 0.000211 | 0.845 | 384262.000000 | 387495.250000 | -3233.250000 | -0.841 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:16 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999752
Calibration Curve = (1072.378662) + (8186577.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:16 PM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999752

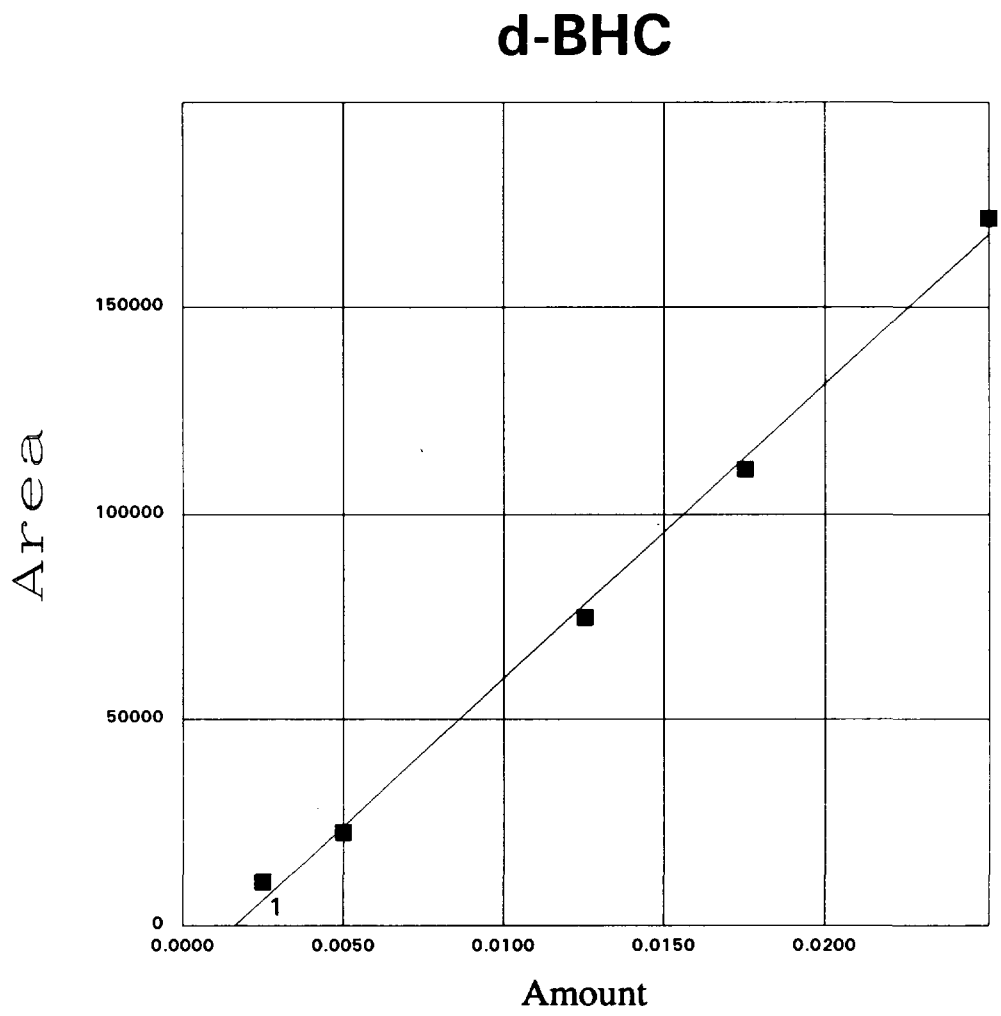
Calibration Curve = (1072.378662) + (8186577.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002391 | 0.000110 | 4.382 | 20642.000000 | 21538.822266 | -896.822266 | -4.345 |
| 2 | 0.005000 | 0.005045 | -0.000045 | -0.894 | 42371.000000 | 42005.265625 | 365.734375 | 0.863 |
| 3 | 0.012500 | 0.012495 | 0.000005 | 0.044 | 103360.000000 | 103404.601563 | -44.601563 | -0.043 |
| 4 | 0.017500 | 0.017719 | -0.000219 | -1.249 | 146127.000000 | 144337.484375 | 1789.515625 | 1.225 |
| 5 | 0.025000 | 0.024852 | 0.000148 | 0.593 | 204523.000000 | 205736.828125 | -1213.828125 | -0.594 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:16 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996647
Calibration Curve = (-11526.219727) + (7180929.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:16 PM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.996647

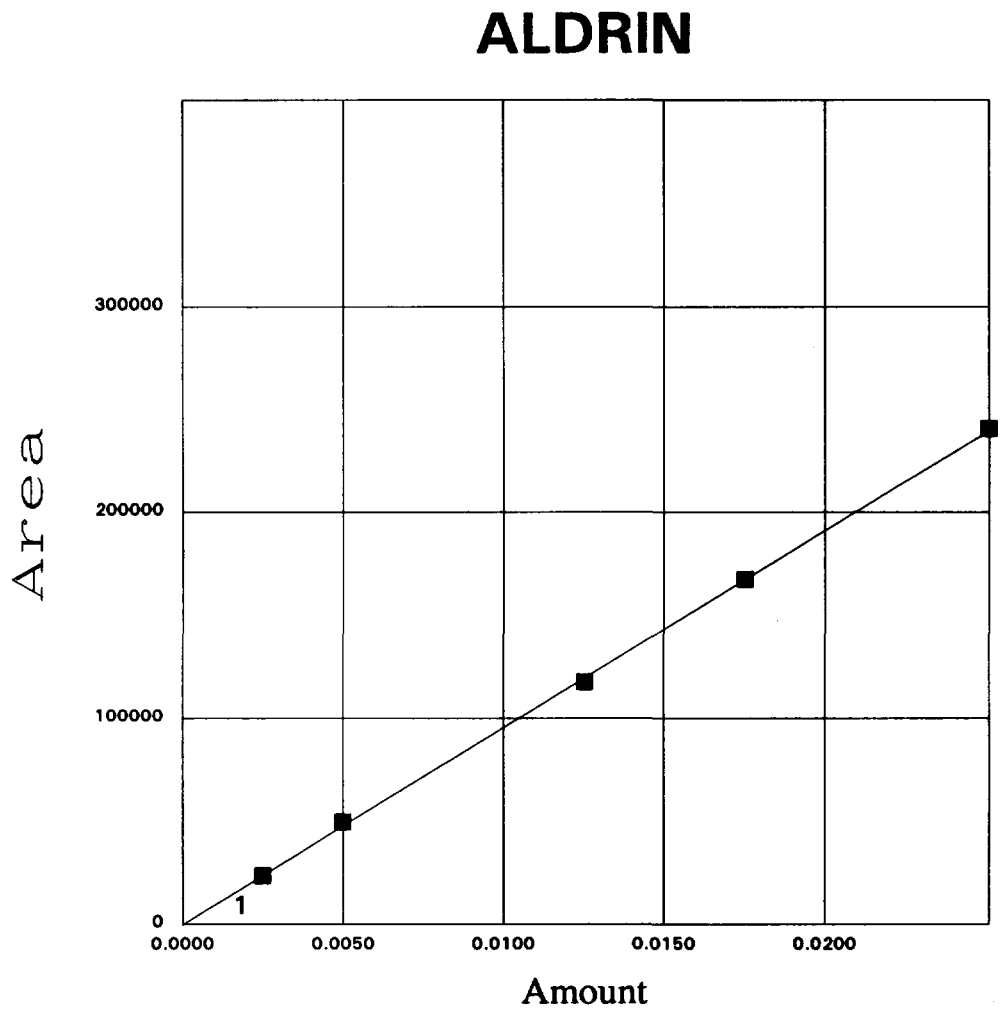
Calibration Curve = (-11526.219727) + (7180929.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.003112 | -0.000612 | -24.464 | 10818.000000 | 6426.104004 | 4391.895996 | 40.598 |
| 2 | 0.005000 | 0.004779 | 0.000221 | 4.416 | 22793.000000 | 24378.427734 | -1585.427734 | -6.956 |
| 3 | 0.012500 | 0.012018 | 0.000483 | 3.860 | 74770.500000 | 78235.398438 | -3464.898438 | -4.634 |
| 4 | 0.017500 | 0.017058 | 0.000442 | 2.525 | 110967.000000 | 114140.039063 | -3173.039063 | -2.859 |
| 5 | 0.025000 | 0.025534 | -0.000534 | -2.134 | 171828.500000 | 167997.015625 | 3831.484375 | 2.230 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:16 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999762
Calibration Curve = (-12.625048) + (9599673.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:16 PM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 : First Order Polynomial Fit**

**Weighting Factor = 1.0 (No Weighting)** $r^2 = 0.999762$

Calibration Curve = (-12.625048) + (9599673.000000)X

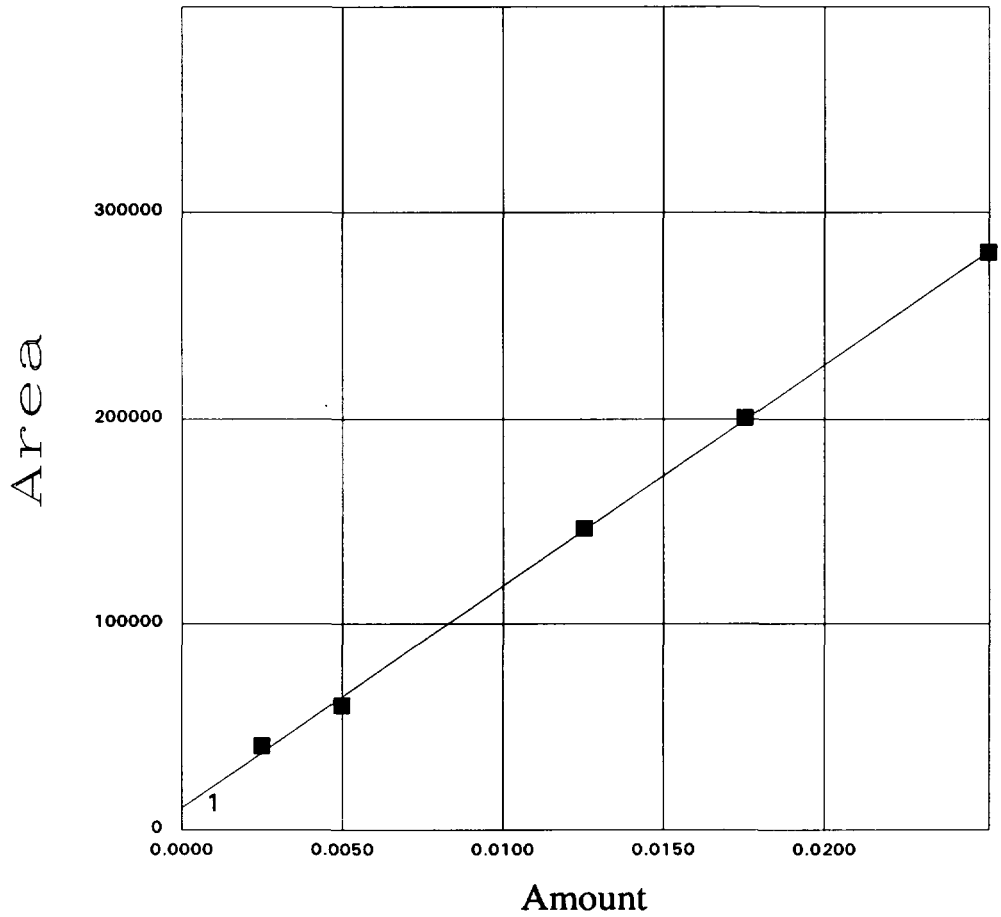
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002486 | 0.000014 | 0.565 | 23851.000000 | 23986.558594 | -135.558594 | -0.568 |
| 2 | 0.005000 | 0.005160 | -0.000160 | -3.203 | 49523.000000 | 47985.742188 | 1537.257813 | 3.104 |
| 3 | 0.012500 | 0.012293 | 0.000207 | 1.659 | 117992.500000 | 119983.296875 | -1990.796875 | -1.687 |
| 4 | 0.017500 | 0.017461 | 0.000039 | 0.223 | 167607.000000 | 167981.656250 | -374.656250 | -0.224 |
| 5 | 0.025000 | 0.025100 | -0.000100 | -0.402 | 240943.000000 | 239979.218750 | 963.781250 | 0.400 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999180
Calibration Curve = (11111.973633) + (10797153.000000)X

# HEPT EPOXIDE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999180

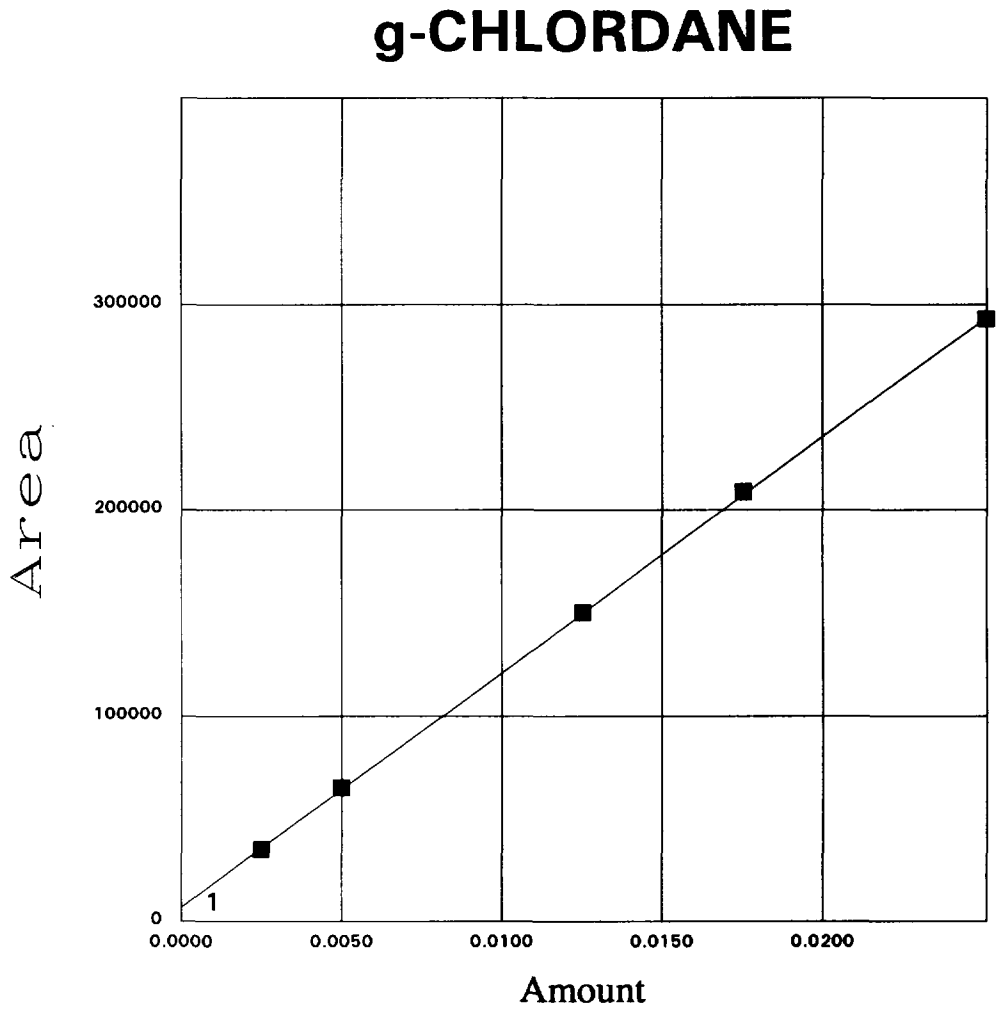
Calibration Curve = (11111.973633) + (10797153.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002798 | -0.000298 | -11.922 | 41323.000000 | 38104.859375 | 3218.140625 | 7.788 |
| 2 | 0.005000 | 0.004584 | 0.000416 | 8.320 | 60606.000000 | 65097.742188 | -4491.742188 | -7.411 |
| 3 | 0.012500 | 0.012581 | -0.000081 | -0.644 | 146945.843750 | 146076.390625 | 869.453125 | 0.592 |
| 4 | 0.017500 | 0.017581 | -0.000081 | -0.463 | 200936.656250 | 200062.156250 | 874.500000 | 0.435 |
| 5 | 0.025000 | 0.024956 | 0.000044 | 0.174 | 280570.500000 | 281040.812500 | -470.312500 | -0.168 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999935
Calibration Curve = (7119.771484) + (11471170.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999935

Calibration Curve = (7119.771484) + (11471170.000000)X

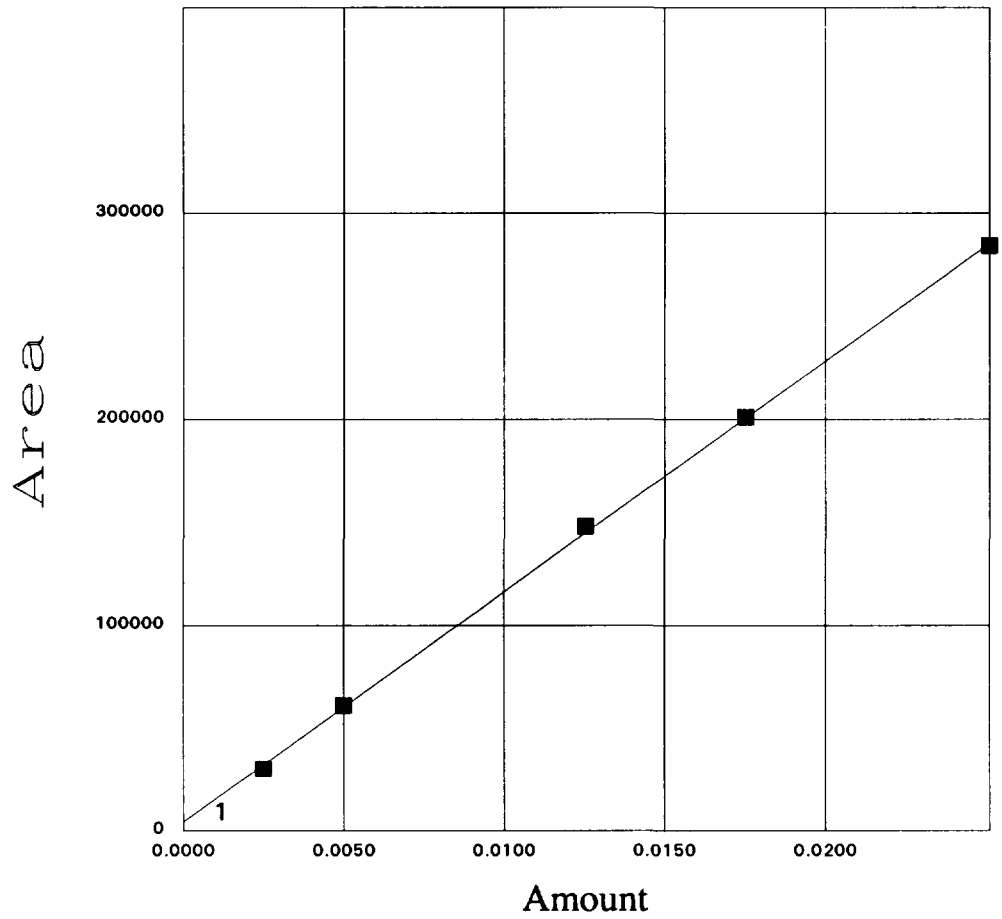
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002415 | 0.000085 | 3.392 | 34825.000000 | 35797.699219 | -972.699219 | -2.793 |
| 2 | 0.005000 | 0.005043 | -0.000043 | -0.853 | 64965.000000 | 64475.625000 | 489.375000 | 0.753 |
| 3 | 0.012500 | 0.012537 | -0.000037 | -0.298 | 150936.500000 | 150509.406250 | 427.093750 | 0.283 |
| 4 | 0.017500 | 0.017579 | -0.000079 | -0.449 | 208766.500000 | 207865.250000 | 901.250000 | 0.432 |
| 5 | 0.025000 | 0.024926 | 0.000074 | 0.295 | 293054.000000 | 293899.062500 | -845.062500 | -0.288 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999637
Calibration Curve = (4644.865234) + (11236182.000000)X

# a-CHLORDANE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

## Data Lists With Calculated Values For Each Fit:

**Curve #1 : First Order Polynomial Fit**
**Weighting Factor = 1.0 (No Weighting)** $r^2 = 0.999637$

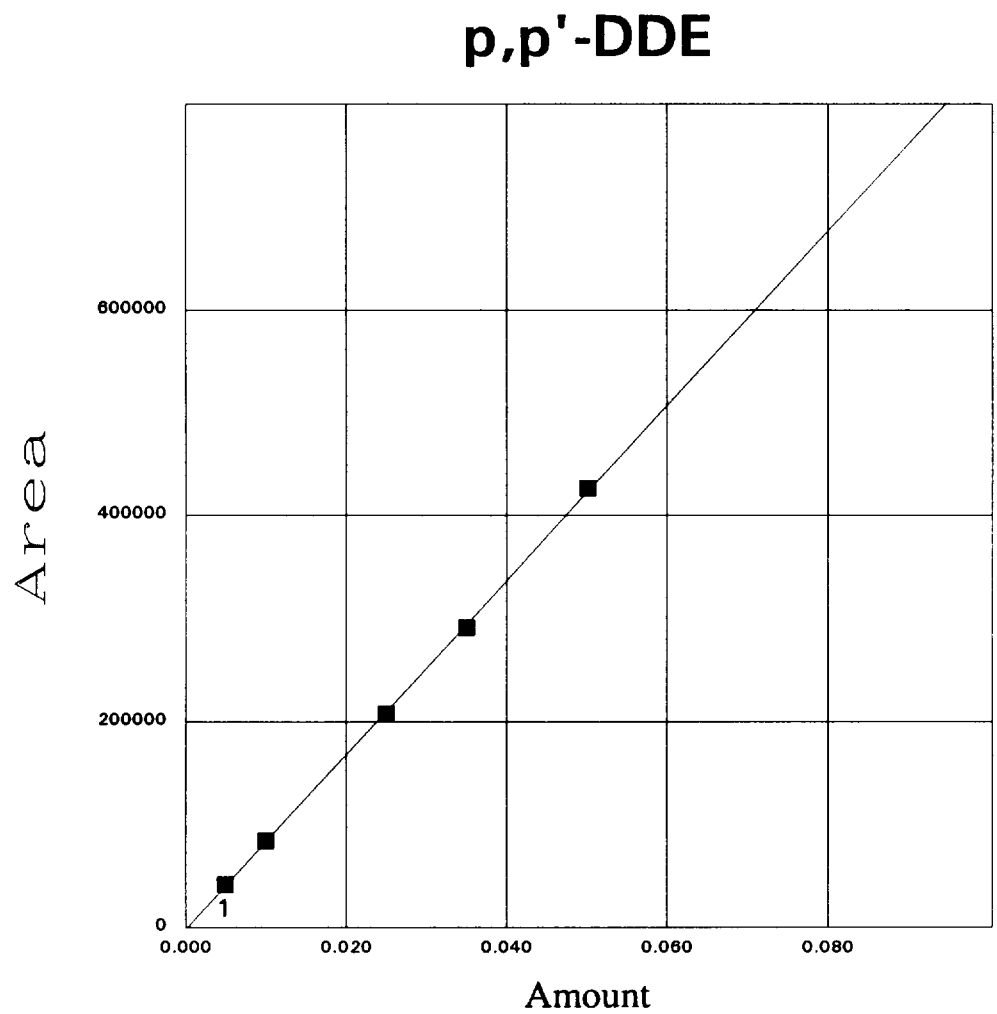
Calibration Curve = (4644.865234) + (11236182.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002314 | 0.000187 | 7.459 | 30640.000000 | 32735.322266 | -2095.322266 | -6.839 |
| 2 | 0.005000 | 0.005041 | -0.000041 | -0.827 | 61290.500000 | 60825.777344 | 464.722656 | 0.758 |
| 3 | 0.012500 | 0.012764 | -0.000264 | -2.111 | 148062.156250 | 145097.156250 | 2965.000000 | 2.003 |
| 4 | 0.017500 | 0.017509 | -0.000009 | -0.053 | 201383.093750 | 201278.046875 | 105.046875 | 0.052 |
| 5 | 0.025000 | 0.024872 | 0.000128 | 0.512 | 284110.000000 | 285549.437500 | -1439.437500 | -0.507 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999717
Calibration Curve = (-1960.662964) + (8506980.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999717

Calibration Curve = (-1960.662964) + (8506980.000000)X

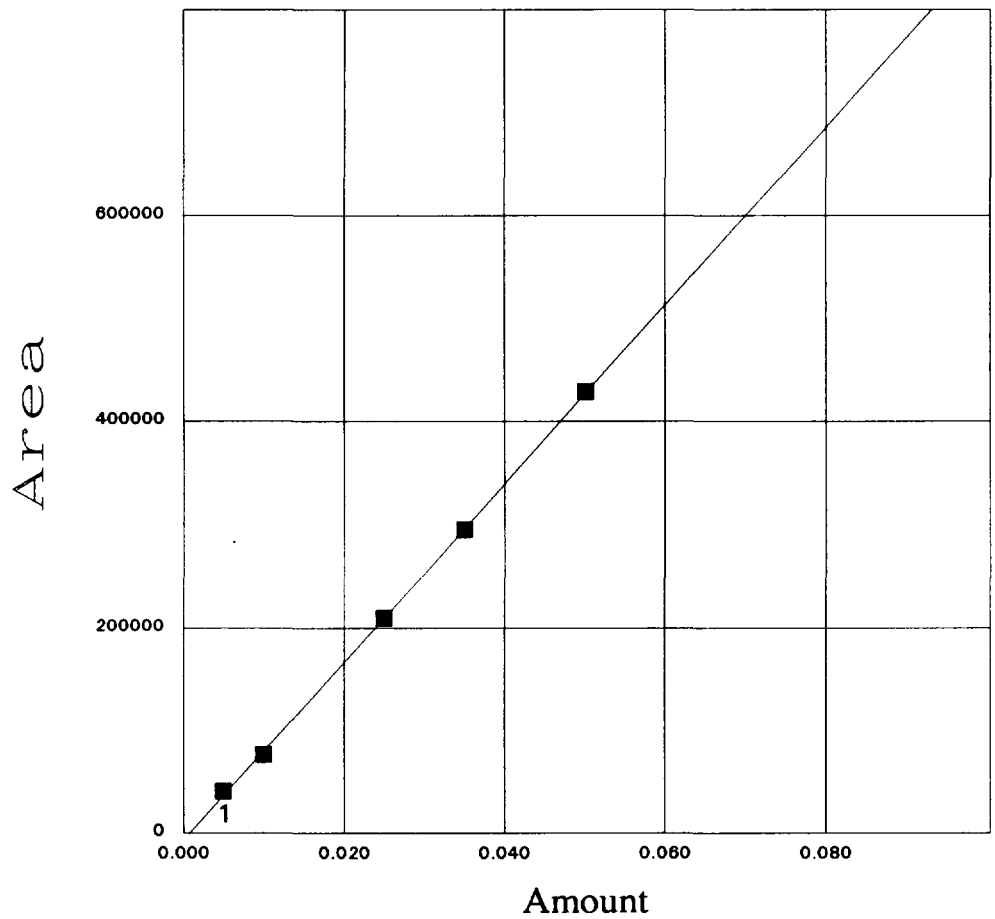
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005185 | -0.000185 | -3.704 | 42149.593750 | 40574.238281 | 1575.355469 | 3.738 |
| 2 | 0.010000 | 0.010077 | -0.000077 | -0.766 | 83761.000000 | 83109.140625 | 651.859375 | 0.778 |
| 3 | 0.025000 | 0.024792 | 0.000208 | 0.834 | 208940.937500 | 210713.859375 | -1772.921875 | -0.849 |
| 4 | 0.035000 | 0.034588 | 0.000413 | 1.179 | 292274.125000 | 295783.625000 | -3509.500000 | -1.201 |
| 5 | 0.050000 | 0.050359 | -0.000359 | -0.718 | 426443.562500 | 423388.375000 | 3055.187500 | 0.716 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999687
Calibration Curve = (-6279.090820) + (8681503.000000)X

# ENDO II



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:17 PM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999687

Calibration Curve = (-6279.090820) + (8681503.000000)X

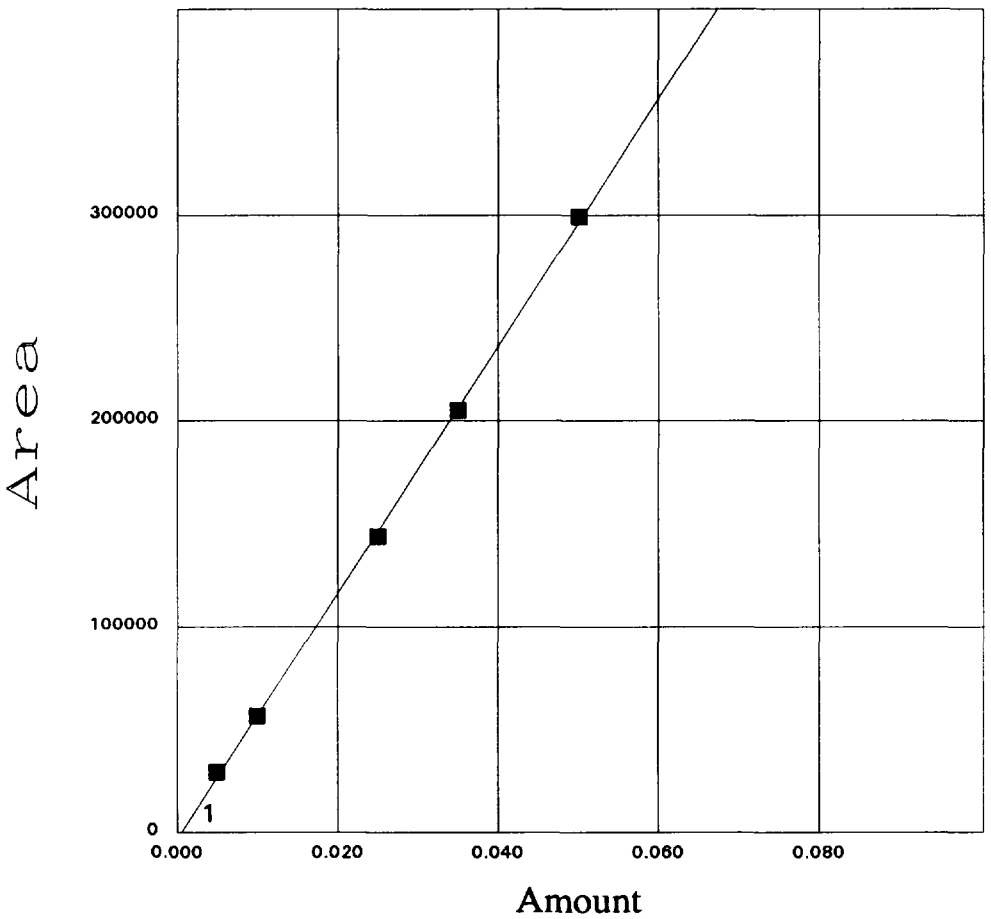
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005431 | -0.000431 | -8.623 | 40871.500000 | 37128.425781 | 3743.074219 | 9.158 |
| 2 | 0.010000 | 0.009569 | 0.000431 | 4.308 | 76796.000000 | 80535.945313 | -3739.945313 | -4.870 |
| 3 | 0.025000 | 0.025013 | -0.000013 | -0.052 | 210871.000000 | 210758.500000 | 112.500000 | 0.053 |
| 4 | 0.035000 | 0.034834 | 0.000166 | 0.475 | 296130.000000 | 297573.500000 | -1443.500000 | -0.488 |
| 5 | 0.050000 | 0.050153 | -0.000153 | -0.306 | 429124.000000 | 427796.093750 | 1327.906250 | 0.309 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:18 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999586
Calibration Curve = (-3006.540283) + (5998460.000000)X

# END SULFATE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:18 PM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 : First Order Polynomial Fit**

**Weighting Factor = 1.0 (No Weighting)** $r^2 = 0.999586$

Calibration Curve = (-3006.540283) + (5998460.000000)X

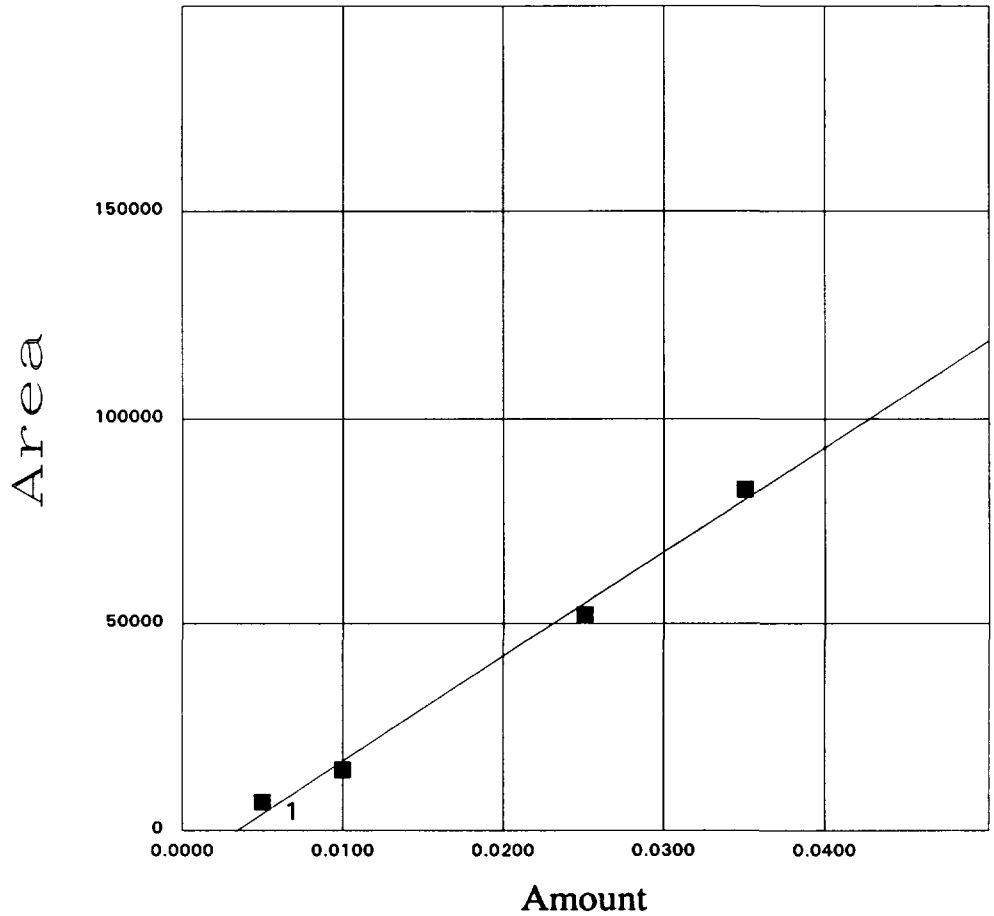
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.005395 | -0.000395 | -7.901 | 29355.500000 | 26985.761719 | 2369.738281 | 8.073 |
| 2 | 0.010000 | 0.009921 | 0.000079 | 0.789 | 56505.000000 | 56978.062500 | -473.062500 | -0.837 |
| 3 | 0.025000 | 0.024583 | 0.000418 | 1.670 | 144450.500000 | 146954.968750 | -2504.468750 | -1.734 |
| 4 | 0.035000 | 0.034721 | 0.000279 | 0.797 | 205266.000000 | 206939.562500 | -1673.562500 | -0.815 |
| 5 | 0.050000 | 0.050380 | -0.000380 | -0.761 | 299197.875000 | 296916.500000 | 2281.375000 | 0.763 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:18 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.993103
Calibration Curve = (-8591.177734) + (2549356.000000)X

# ENDRIN ALD



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:18 PM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.993103

Calibration Curve = (-8591.177734) + (2549356.000000)X

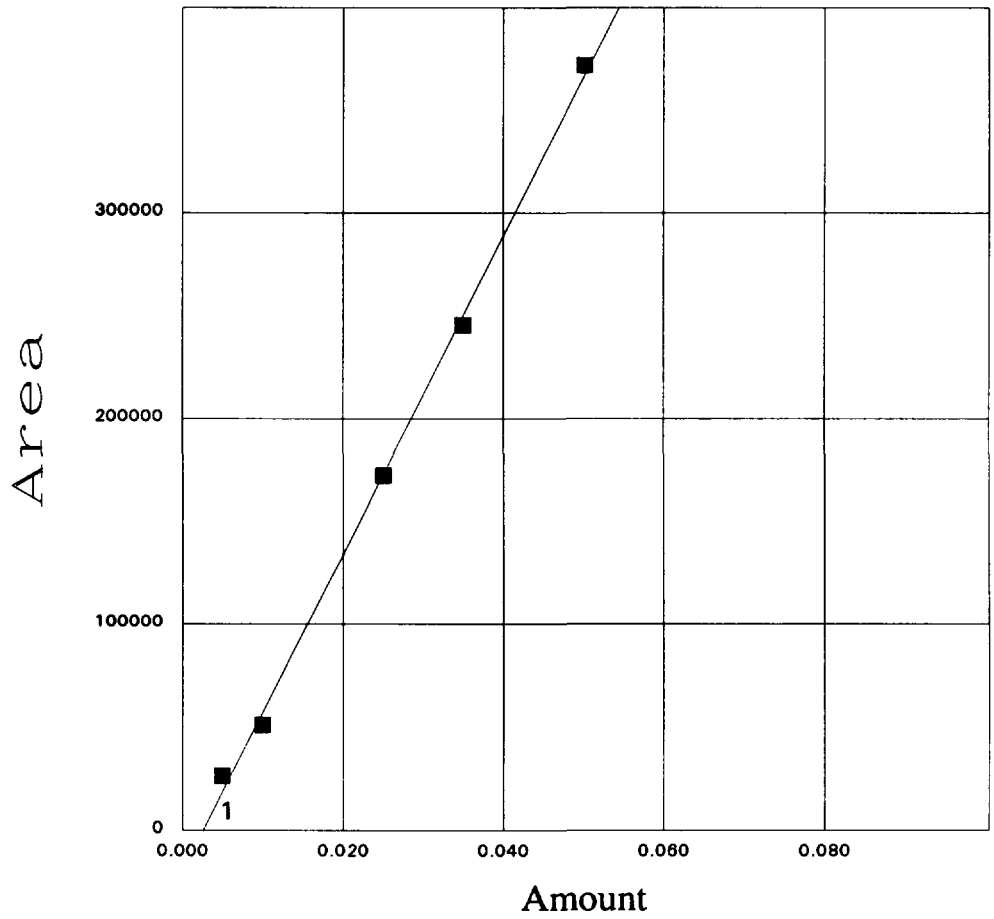
| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.006089 | -0.001089 | -21.781 | 6932.000000 | 4155.603027 | 2776.396973 | 40.052 |
| 2 | 0.010000 | 0.009138 | 0.000862 | 8.619 | 14705.000000 | 16902.384766 | -2197.384766 | -14.943 |
| 3 | 0.025000 | 0.023888 | 0.001112 | 4.449 | 52307.000000 | 55142.726563 | -2835.726563 | -5.421 |
| 4 | 0.035000 | 0.035885 | -0.000885 | -2.529 | 82893.000000 | 80636.281250 | 2256.718750 | 2.722 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:18 PM

**Curve Parameters:**

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998131
Calibration Curve = (-20280.044922) + (7749924.000000)X

# END KETONE



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:18 PM

Data Lists With Calculated Values For Each Fit:
Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.998131

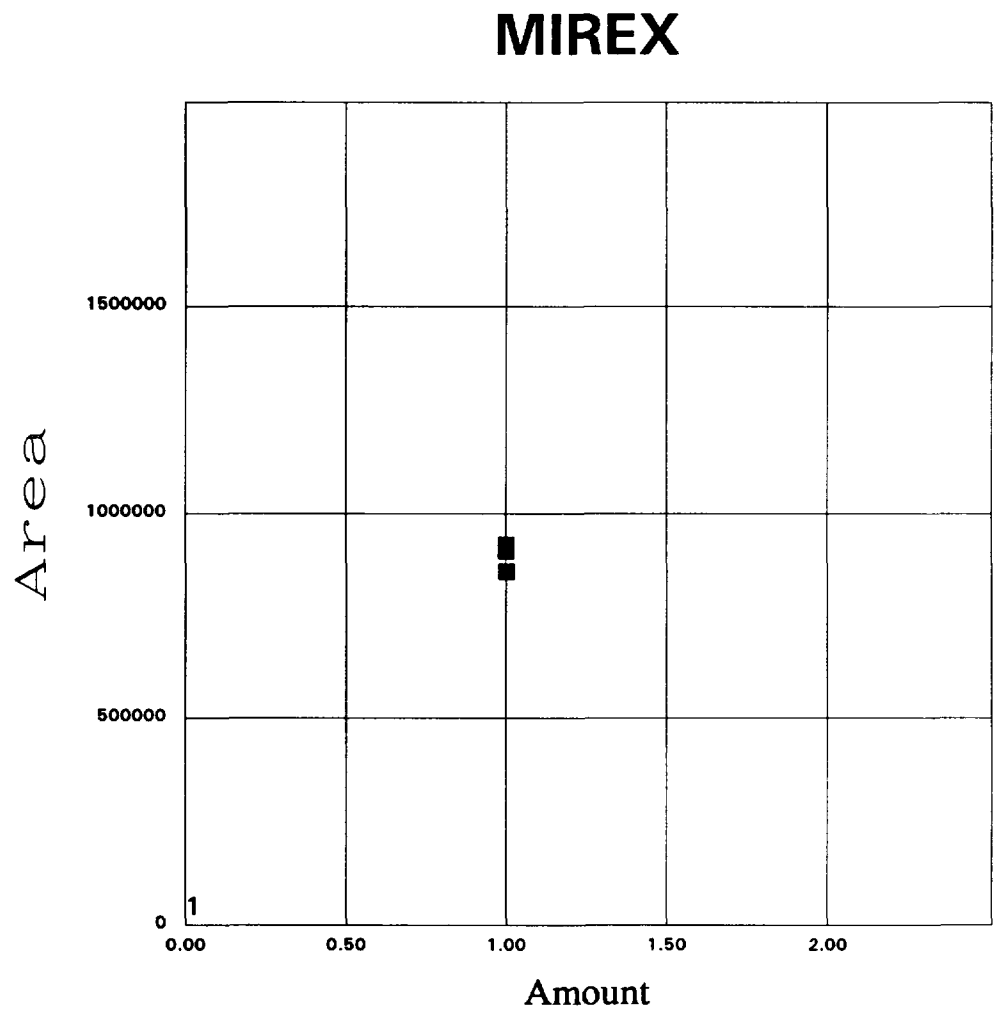
Calibration Curve = (-20280.044922) + (7749924.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.005000 | 0.006002 | -0.001002 | -20.030 | 26231.000000 | 18469.578125 | 7761.421875 | 29.589 |
| 2 | 0.010000 | 0.009200 | 0.000800 | 8.003 | 51017.000000 | 57219.199219 | -6202.199219 | -12.157 |
| 3 | 0.025000 | 0.024905 | 0.000095 | 0.379 | 172734.437500 | 173468.078125 | -733.640625 | -0.425 |
| 4 | 0.035000 | 0.034287 | 0.000713 | 2.036 | 245444.937500 | 250967.296875 | -5522.359375 | -2.250 |
| 5 | 0.050000 | 0.050606 | -0.000606 | -1.212 | 371912.937500 | 367216.187500 | 4696.750000 | 1.263 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:18 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000
Calibration Curve = (0.000000) + (0.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:19 PM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 :** First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.000000

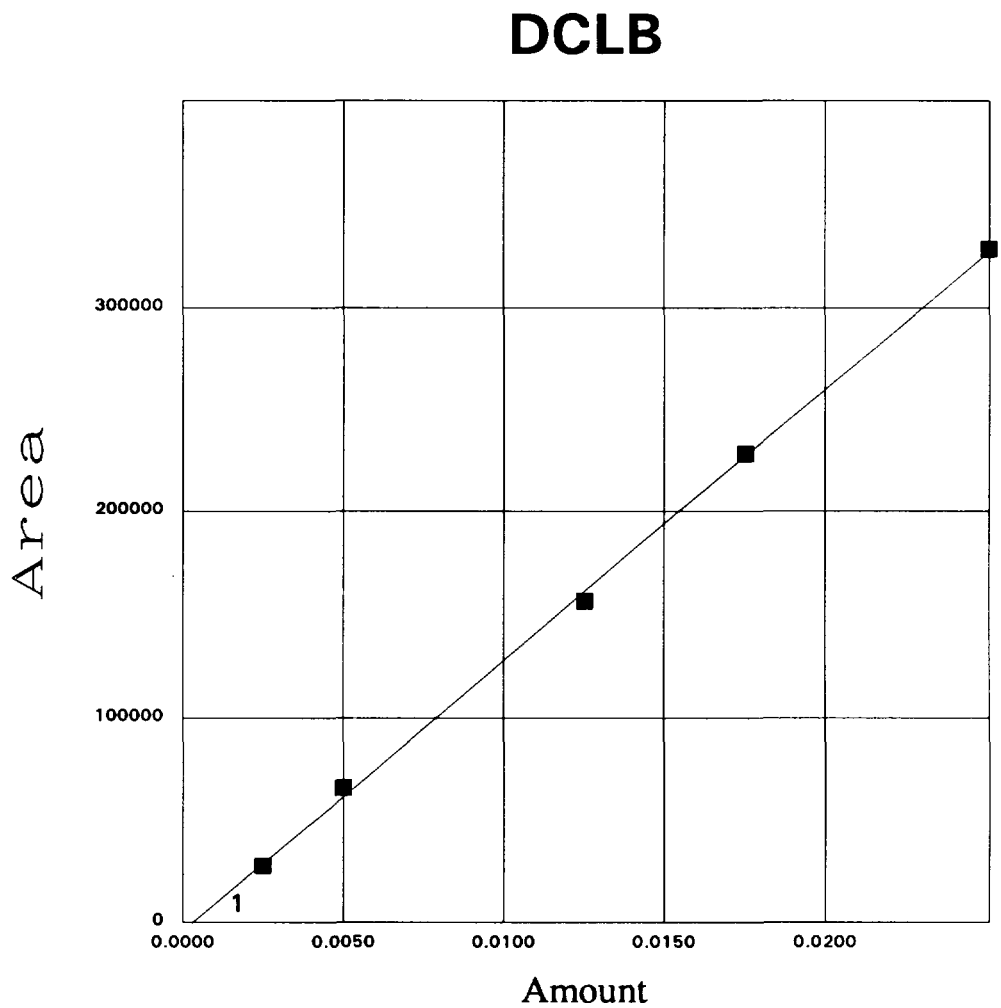
**Calibration Curve = (0.000000) + (0.000000)X**

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 1.000000 | ---------- | ---------- | ------- | 858445.000000 | 0.000000 | 858445.000000 | 100.000 |
| 2 | 1.000000 | ---------- | ---------- | ------- | 923203.000000 | 0.000000 | 923203.000000 | 100.000 |
| 3 | 1.000000 | ---------- | ---------- | ------- | 923959.000000 | 0.000000 | 923959.000000 | 100.000 |
| 4 | 1.000000 | ---------- | ---------- | ------- | 914342.000000 | 0.000000 | 914342.000000 | 100.000 |
| 5 | 1.000000 | ---------- | ---------- | ------- | 909407.000000 | 0.000000 | 909407.000000 | 100.000 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:19 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999207
Calibration Curve = (-3991.372803) + (13245325.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:19 PM

**Data Lists With Calculated Values For Each Fit:**

**Curve #1 :** First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2 = 0.999207$

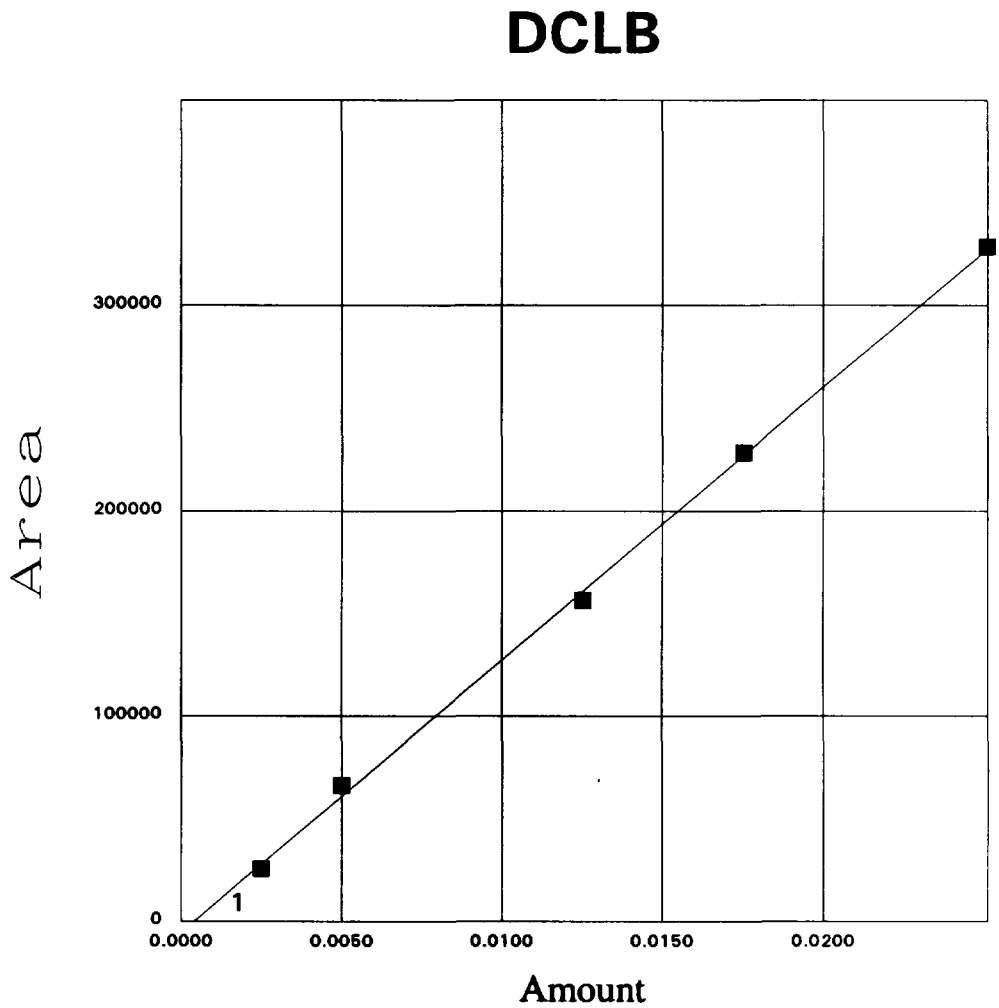
Calibration Curve = (-3991.372803) + (13245325.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002392 | 0.000108 | 4.309 | 27695.000000 | 29121.941406 | -1426.941406 | -5.152 |
| 2 | 0.005000 | 0.005332 | -0.000332 | -6.644 | 66635.000000 | 62235.257813 | 4399.742188 | 6.603 |
| 3 | 0.012500 | 0.012133 | 0.000367 | 2.936 | 156714.000000 | 161575.203125 | -4861.203125 | -3.102 |
| 4 | 0.017500 | 0.017549 | -0.000049 | -0.281 | 228452.000000 | 227801.812500 | 650.187500 | 0.285 |
| 5 | 0.025000 | 0.025094 | -0.000094 | -0.374 | 328380.000000 | 327141.781250 | 1238.218750 | 0.377 |

CALPLOT Output For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:40 PM

## Curve Parameters:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999085
Calibration Curve = (-5130.402344) + (13304495.000000)X



CALPLOT Data Lists For Sample File: "C:\2700\DATA1\2PESTB.SMP"
Date: 10/14/94 Time: 02:41 PM

## Data Lists With Calculated Values For Each Fit:

Curve #1 : First Order Polynomial Fit
Weighting Factor = 1.0 (No Weighting) $r^2$ = 0.999085

Calibration Curve = (-5130.402344) + (13304495.000000)X

| Level Name | Observed X-Value | Calculated X-Value | Delta | %Diff. | Observed Y-Value | Calculated Y-Value | Delta | %Diff. |
|---|---|---|---|---|---|---|---|---|
| 1 | 0.002500 | 0.002317 | 0.000183 | 7.314 | 25698.000000 | 28130.837891 | -2432.837891 | -9.467 |
| 2 | 0.005000 | 0.005394 | -0.000394 | -7.881 | 66635.000000 | 61392.078125 | 5242.921875 | 7.868 |
| 3 | 0.012500 | 0.012165 | 0.000335 | 2.683 | 156714.000000 | 161175.796875 | -4461.796875 | -2.847 |
| 4 | 0.017500 | 0.017557 | -0.000057 | -0.324 | 228452.000000 | 227698.265625 | 753.734375 | 0.330 |
| 5 | 0.025000 | 0.025068 | -0.000068 | -0.270 | 328380.000000 | 327482.000000 | 898.000000 | 0.274 |

Software Version: 3.1 <2A23>
Sample Name : MB92594 Time : 10/11/94 01:47 PM
Sample Number: 15 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 10:52 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD015.raw
Result File : C:\2700\DATA1\1STD015.rst PRIMARY COLUMN
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.75 | TCMX | 0.0325 | 56368 | 6059 | TCMX | 8.6688e6 |
| 3 | 28.70 | DCLB | 0.0544 | 94231 | 6911 | DCLB | 8.6573e6 |
| | | | 0.0869 | 150600 | 12970 | | 1.7326e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 9.475 |
| d-BHC | 10.321 |
| ALDRIN | 10.853 |
| HEPT.EPOXIDE | 12.173 |
| g-CHLORDANE | 12.578 |
| a-CHLORDANE | 12.990 |
| p,p'-DDE | 13.606 |
| ENDO II | 15.481 |
| ENDRIN ALD | 16.509 |
| END SULFATE | 16.928 |

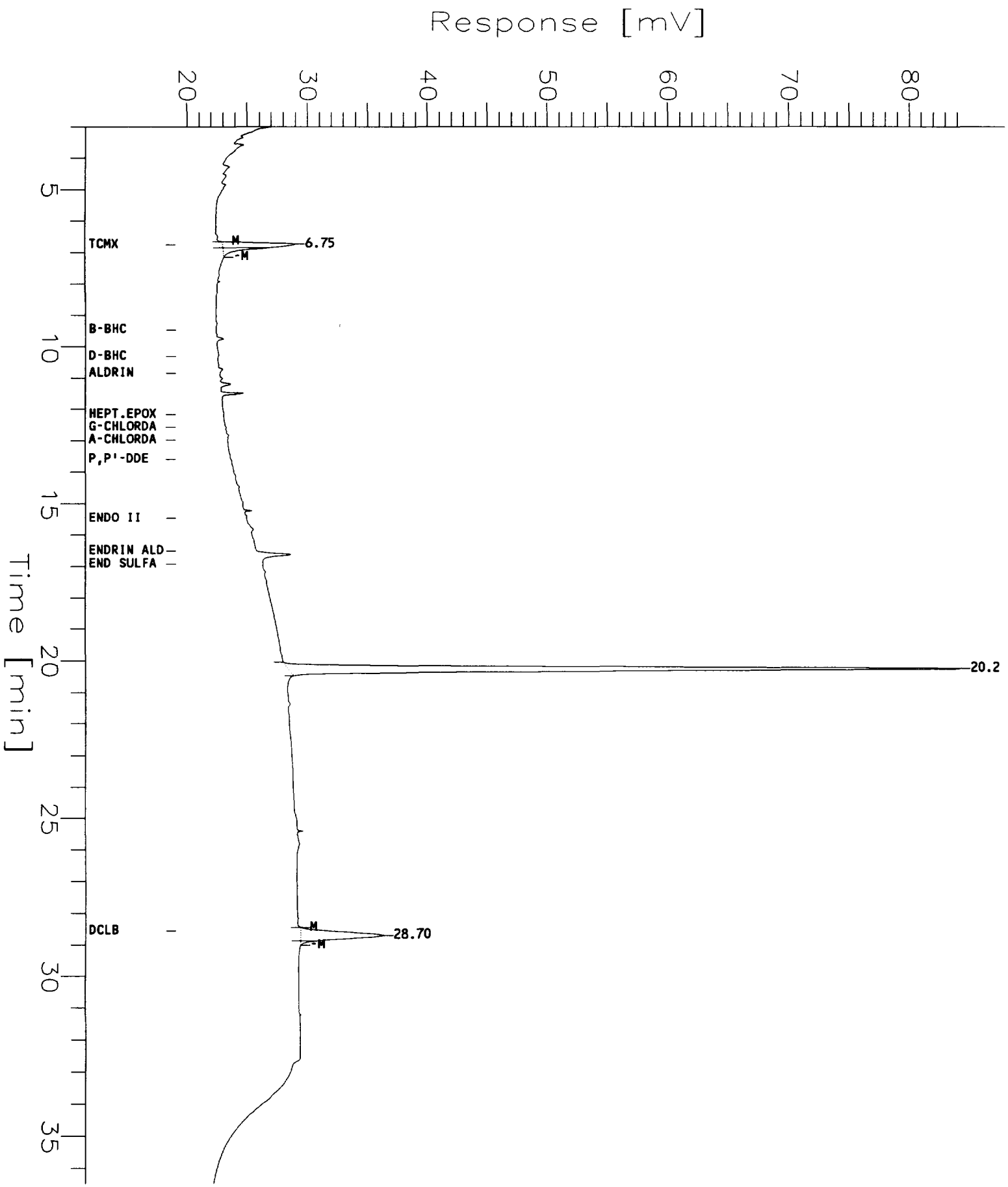
Report Stored in ASCII File: C:\2700\DATA1\1STD015.TX0

# Chromatogram

Sample Name : MB92594
FileName : C:\2700\DATA1\1STD015.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 19 mV

Sample #: 15
Date : 10/11/94 01:47 PM
Low Point : 19.09 mV High Point : 84.32 mV
Plot Scale: 65 mV





Software Version: 3.1 <2A23>
Sample Name : MB 92594 Time : 10/11/94 01:59 PM
Sample Number: 20 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 02:47 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD020.raw
Result File : C:\2700\DATA1\1STD020.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.78 | TCMX | 0.0402 | 69703 | 6941 | TCMX | 8.6688e6 |
| 3 | 28.66 | DCLB | 0.0595 | 102998 | 7292 | DCLB | 8.6595e6 |
| | | | 0.0997 | 172701 | 14232 | | 1.7328e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 9.475 |
| d-BHC | 10.321 |
| ALDRIN | 10.853 |
| HEPT.EPOXIDE | 12.173 |
| g-CHLORDANE | 12.578 |
| a-CHLORDANE | 12.990 |
| p,p'-DDE | 13.606 |
| ENDO II | 15.481 |
| ENDRIN ALD | 16.509 |
| END SULFATE | 16.928 |

Report Stored in ASCII File: C:\2700\DATA1\1STD020.TX0

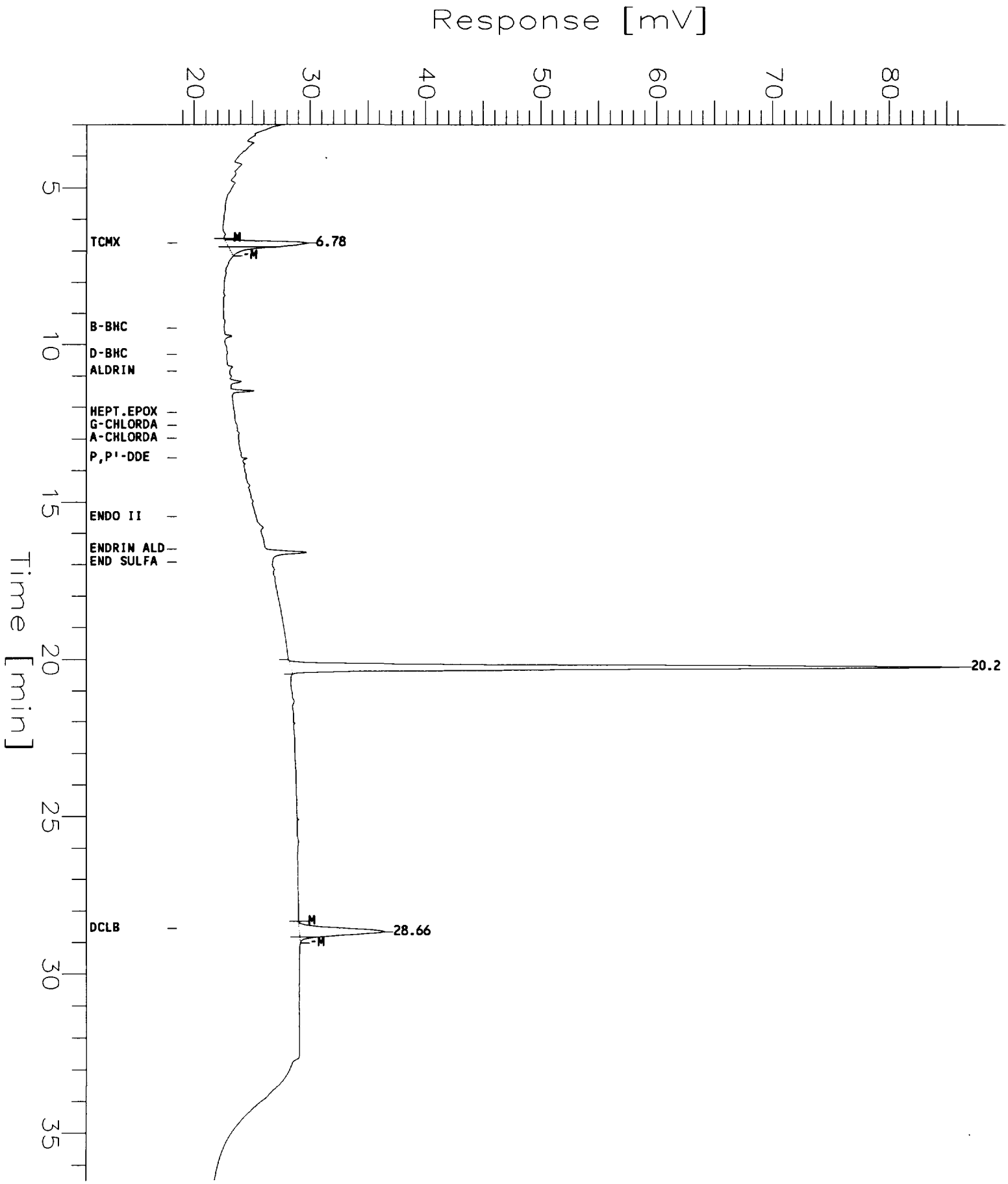
# Chromatogram

Sample Name : MB 92594
FileName : C:\2700\DATA1\1STD020.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 19 mV

Sample #: 20
Date : 10/11/94 02:00 PM
Low Point : 18.54 mV
Plot Scale: 68 mV



High Point : 86.34 mV



Software Version: 3.1 <2A23>
Sample Name : MB 92594 Time : 10/11/94 02:25 PM
Sample Number: 16 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 11:29 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD016.raw SECONDARY COLUM
Result File : C:\2700\DATA1\2STD016.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.52 | TCMX | 0.0485 | 149994 | 18095 | MIREX | 1.5465e7 |
| 2 | 10.93 | ALDRIN | 0.1128 | 7695 | 1837 | MIREX | 3.4114e5 |
| 3 | 11.32 | HEPT EPOXIDE | 0.0033 | 6229 | 1796 | MIREX | 9.5802e6 |
| 6 | 20.09 | MIREX | 3.4425 | 623695 | 88747 | MIREX | 9.0587e5 |
| 7 | 28.62 | DCLB | 0.0542 | 138880 | 11329 | MIREX | 1.2801e7 |
| | | | 3.6613 | 926493 | 121805 | | 3.9094e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.872 |
| d-BHC | 9.498 |
| g-CHLORDANE | 12.349 |
| a-CHLORDANE | 12.928 |
| p,p'-DDE | 13.308 |
| ENDO II | 13.693 |
| END SULFATE | 14.751 |
| ENDRIN ALD | 15.241 |
| END KETONE | 17.511 |

Report Stored in ASCII File: C:\2700\DATA1\2STD016.TX0

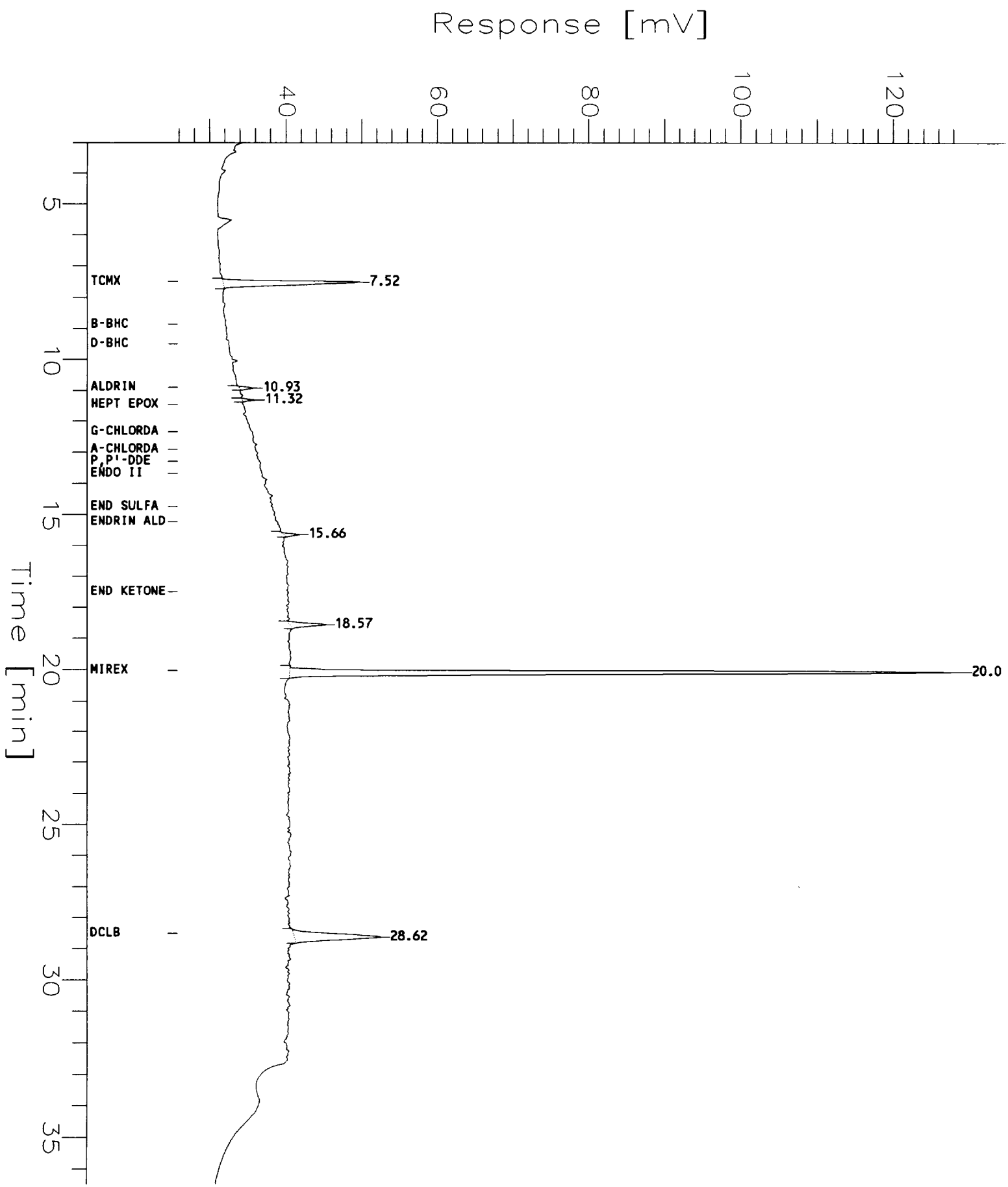
# Chromatogram

Sample Name : MB 92594
FileName : C:\2700\DATA1\2STD016.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 26 mV

Sample #: 16
Date : 10/11/94 02:25 PM
Low Point : 25.81 mV
Plot Scale: 103 mV



High Point : 129.24 mV



Software Version: 3.1 <2A23>
Sample Name : MB 92594 Time : 10/11/94 03:51 PM
Sample Number: 21 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 03:25 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD021.raw
Result File : C:\2700\DATA1\2STD021.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.52 | TCMX | 0.0523 | 161894 | 19181 | MIREX | 1.5479e7 |
| 2 | 10.93 | ALDRIN | 0.1122 | 8032 | 1881 | MIREX | 3.5779e5 |
| 3 | 11.32 | HEPT EPOXIDE | 0.0053 | 10215 | 2664 | MIREX | 9.5878e6 |
| 6 | 20.07 | MIREX | 4.0312 | 730349 | 93667 | MIREX | 9.0587e5 |
| 7 | 28.60 | DCLB | 0.0629 | 162080 | 13146 | MIREX | 1.2876e7 |
| | | | 4.2640 | 1072570 | 130538 | | 3.9207e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.872 |
| d-BHC | 9.498 |
| g-CHLORDANE | 12.349 |
| a-CHLORDANE | 12.928 |
| p,p'-DDE | 13.308 |
| ENDO II | 13.693 |
| END SULFATE | 14.751 |
| ENDRIN ALD | 15.241 |
| END KETONE | 17.511 |

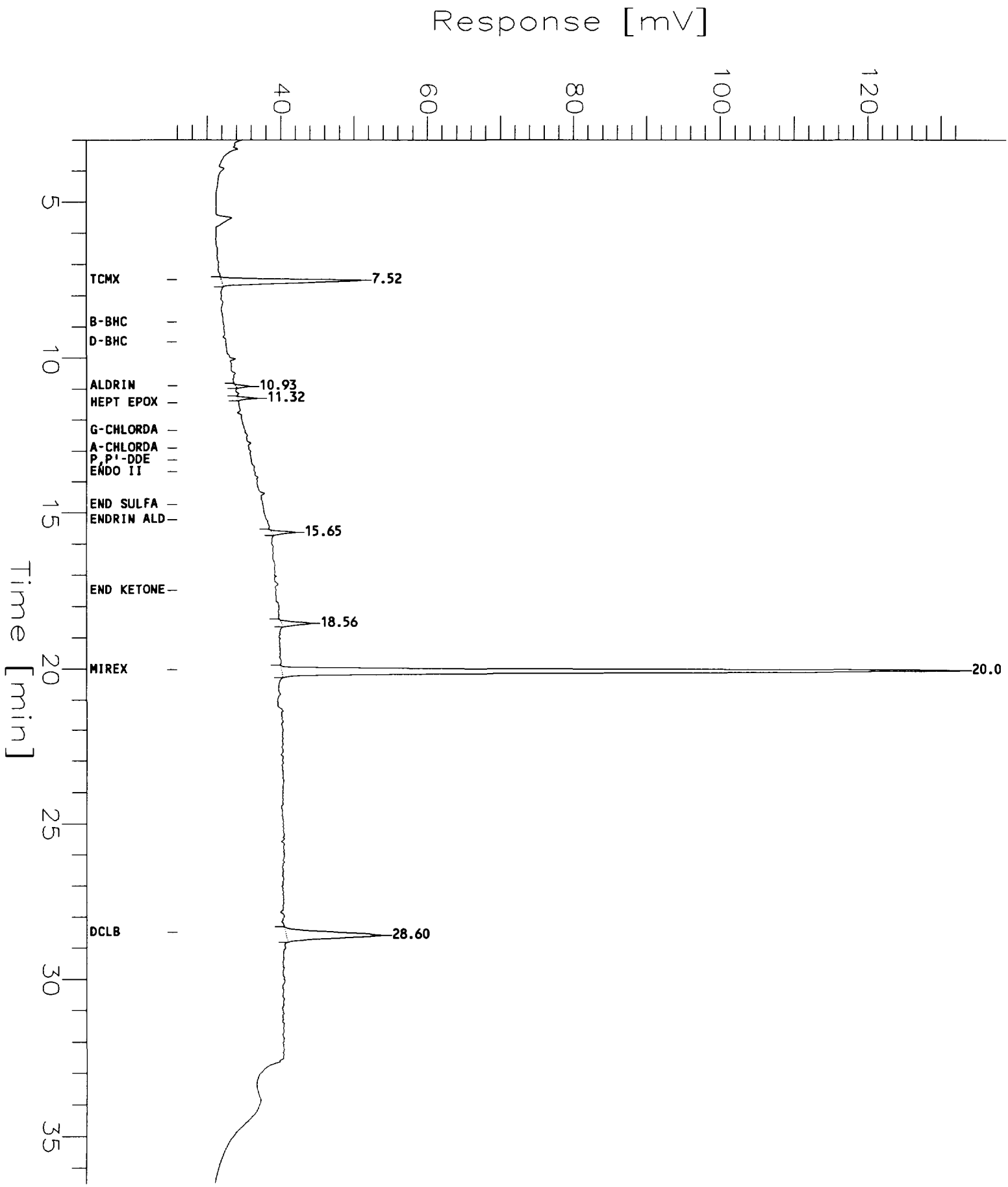
Report Stored in ASCII File: C:\2700\DATA1\2STD021.TX0

# Chromatogram

Sample Name : MB 92594
FileName : C:\2700\DATA1\2STD021.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 26 mV

Sample #: 21
Date : 10/11/94 03:51 PM
Low Point : 25.89 mV High Point : 133.01 mV
Plot Scale: 107 mV





Software Version: 3.1 <2A23>
Sample Name : 94ZB19S01 Time : 10/11/94 01:32 PM
Sample Number: 16 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 11:29 AM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD016.raw
Result File : C:\2700\DATA1\1STD016.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

PRIMARY COLUMN

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.78 | TCMX | 0.0772 | 133868 | 11843 | TCMX | 8.6688e6 |
| 5 | 15.70 | ENDO II | 0.7567 | 1107226 | 111711 | ENDO II | 7.3159e6 |
| 6 | 16.60 | ENDRIN ALD | 0.0158 | 18042 | 3311 | ENDRIN A | 5.6942e6 |
| 8 | 28.67 | DCLB | 0.0927 | 160726 | 11716 | DCLB | 8.6678e6 |
| | | | 0.9425 | 1419862 | 138580 | | 3.0346e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 9.475 |
| d-BHC | 10.321 |
| ALDRIN | 10.853 |
| HEPT.EPOXIDE | 12.173 |
| g-CHLORDANE | 12.578 |
| a-CHLORDANE | 12.990 |
| p,p'-DDE | 13.606 |
| END SULFATE | 16.928 |

Report Stored in ASCII File: C:\2700\DATA1\1STD016.TX0

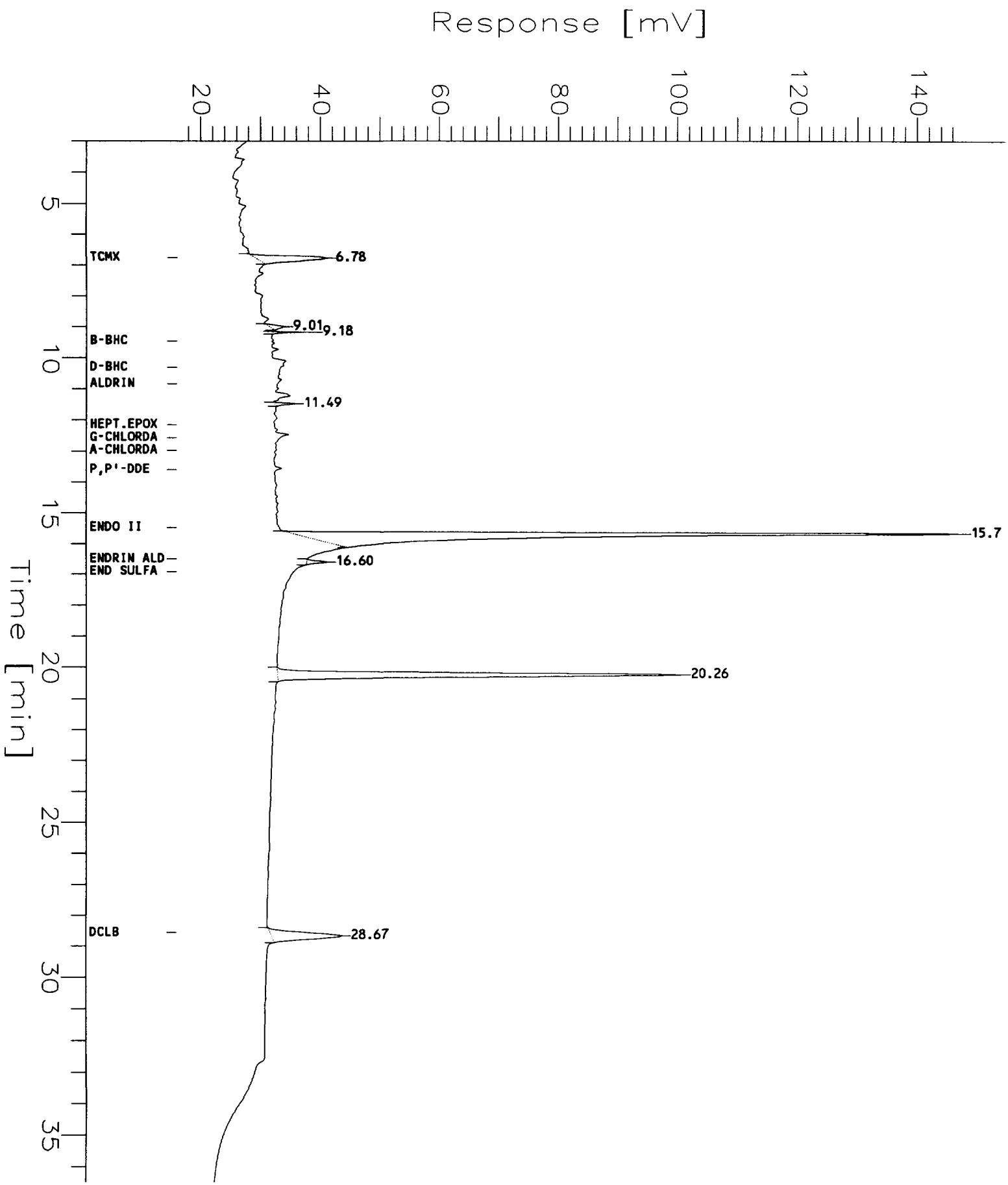
# Chromatogram

Sample Name : 94ZB19S01
FileName : C:\2700\DATA1\1STD016.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 16 mV

Sample #: 16
Date : 10/11/94 01:32 PM
Low Point : 16.01 mV
Plot Scale: 131 mV



High Point : 147.46 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S01 Time : 10/11/94 01:50 PM
Sample Number: 21 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 03:25 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD021.raw
Result File : C:\2700\DATA1\1STD021.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.77 | TCMX | 0.0808 | 140069 | 13123 | TCMX | 8.6688e6 |
| 4 | 15.70 | ENDO II | 0.8124 | 1188563 | 112397 | ENDO II | 7.3148e6 |
| 5 | 16.60 | ENDRIN ALD | 0.0216 | 23911 | 4364 | ENDRIN A | 5.5374e6 |
| 7 | 28.65 | DCLB | 0.0918 | 159045 | 11967 | DCLB | 8.6676e6 |
| | | | 1.0066 | 1511588 | 141851 | | 3.0188e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 9.475 |
| d-BHC | 10.321 |
| ALDRIN | 10.853 |
| HEPT.EPOXIDE | 12.173 |
| g-CHLORDANE | 12.578 |
| a-CHLORDANE | 12.990 |
| p,p'-DDE | 13.606 |
| END SULFATE | 16.928 |

Report Stored in ASCII File: C:\2700\DATA1\1STD021.TX0

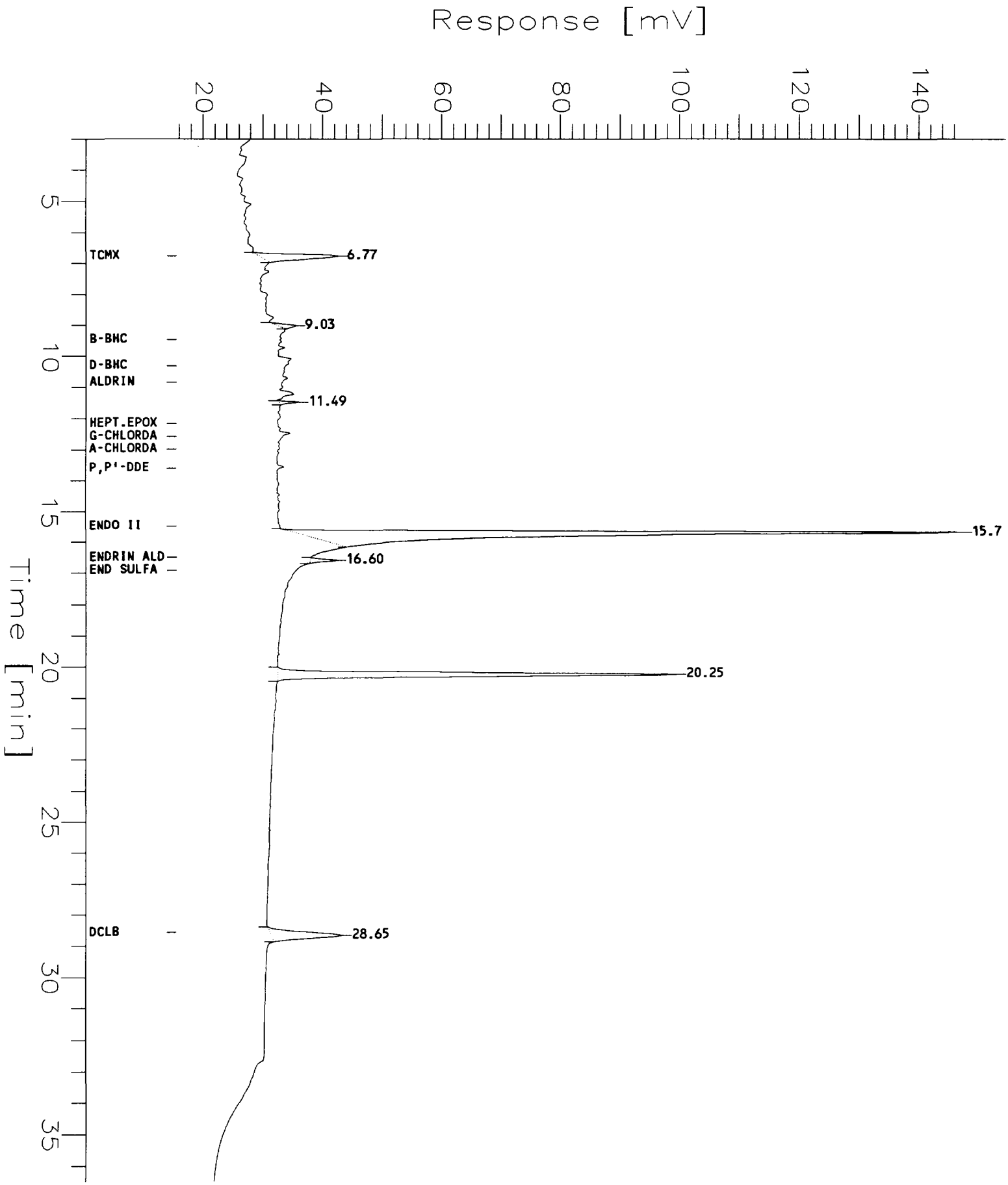
# Chromatogram

Sample Name : 94ZB19S01
FileName : C:\2700\DATA1\1STD021.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 16 mV

Sample #: 21
Date : 10/11/94 01:50 PM
Low Point : 15.54 mV
Plot Scale: 132 mV



High Point : 147.30 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S01 Time : 10/11/94 04:03 PM
Sample Number: 17 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 12:07 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD017.raw
Result File : C:\2700\DATA1\2STD017.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc SECONDARY COLUM
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 7.52 | TCMX | 0.0818 | 254272 | 30201 | MIREX | 1.5543e7 |
| 5 | 9.01 | b-BHC | 0.0110 | 19147 | 2997 | MIREX | 8.6722e6 |
| 9 | 10.93 | ALDRIN | 0.0967 | 17755 | 3594 | MIREX | 9.1766e5 |
| 10 | 11.32 | HEPT EPOXIDE | 0.0098 | 18789 | 4712 | MIREX | 9.5932e6 |
| 16 | 20.08 | MIREX | 4.3832 | 794113 | 102842 | MIREX | 9.0587e5 |
| 17 | 28.59 | DCLB | 0.1010 | 263699 | 20284 | MIREX | 1.3052e7 |
| | | | 4.6835 | 1367774 | 164629 | | 4.8684e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.498 |
| g-CHLORDANE | 12.349 |
| a-CHLORDANE | 12.928 |
| p,p'-DDE | 13.308 |
| ENDO II | 13.693 |
| END SULFATE | 14.751 |
| ENDRIN ALD | 15.241 |
| END KETONE | 17.511 |

Report Stored in ASCII File: C:\2700\DATA1\2STD017.TX0

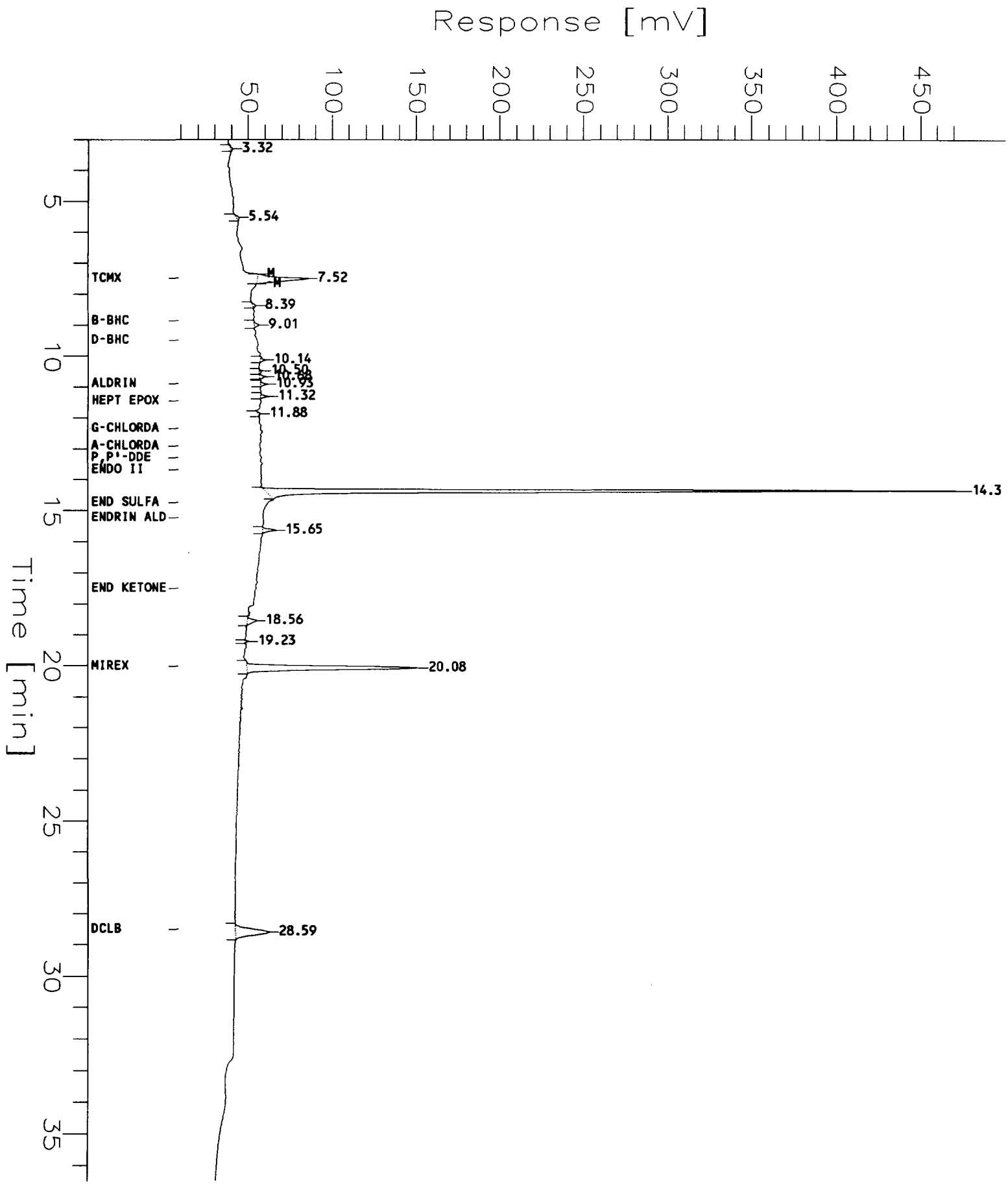
# Chromatogram

Sample Name : 94ZB19S01
FileName : C:\2700\DATA1\2STD017.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 9 mV

Sample #: 17
Date : 10/11/94 04:03 PM
Low Point : 8.65 mV
Plot Scale: 467 mV



High Point : 475.41 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S01 Time : 10/11/94 04:06 PM
Sample Number: 22 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 04:02 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD022.raw
Result File : C:\2700\DATA1\2STD022.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 3 | 7.52 | TCMX | 0.0792 | 246080 | 29734 | MIREX | 1.5539e7 |
| 4 | 9.00 | b-BHC | 0.0133 | 22765 | 3532 | MIREX | 8.5912e6 |
| 7 | 10.68 | ALDRIN | 0.0977 | 17173 | 3722 | MIREX | 8.7914e5 |
| 9 | 11.31 | HEPT EPOXIDE | 0.0096 | 18456 | 4688 | MIREX | 9.5931e6 |
| 14 | 20.07 | MIREX | 4.7225 | 855596 | 107187 | MIREX | 9.0587e5 |
| 15 | 28.57 | DCLB | 0.1086 | 283871 | 22147 | MIREX | 1.3072e7 |
| | | | 5.0308 | 1443940 | 171009 | | 4.8581e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.498 |
| g-CHLORDANE | 12.349 |
| a-CHLORDANE | 12.928 |
| p,p'-DDE | 13.308 |
| ENDO II | 13.693 |
| END SULFATE | 14.751 |
| ENDRIN ALD | 15.241 |
| END KETONE | 17.511 |

Report Stored in ASCII File: C:\2700\DATA1\2STD022.TXO

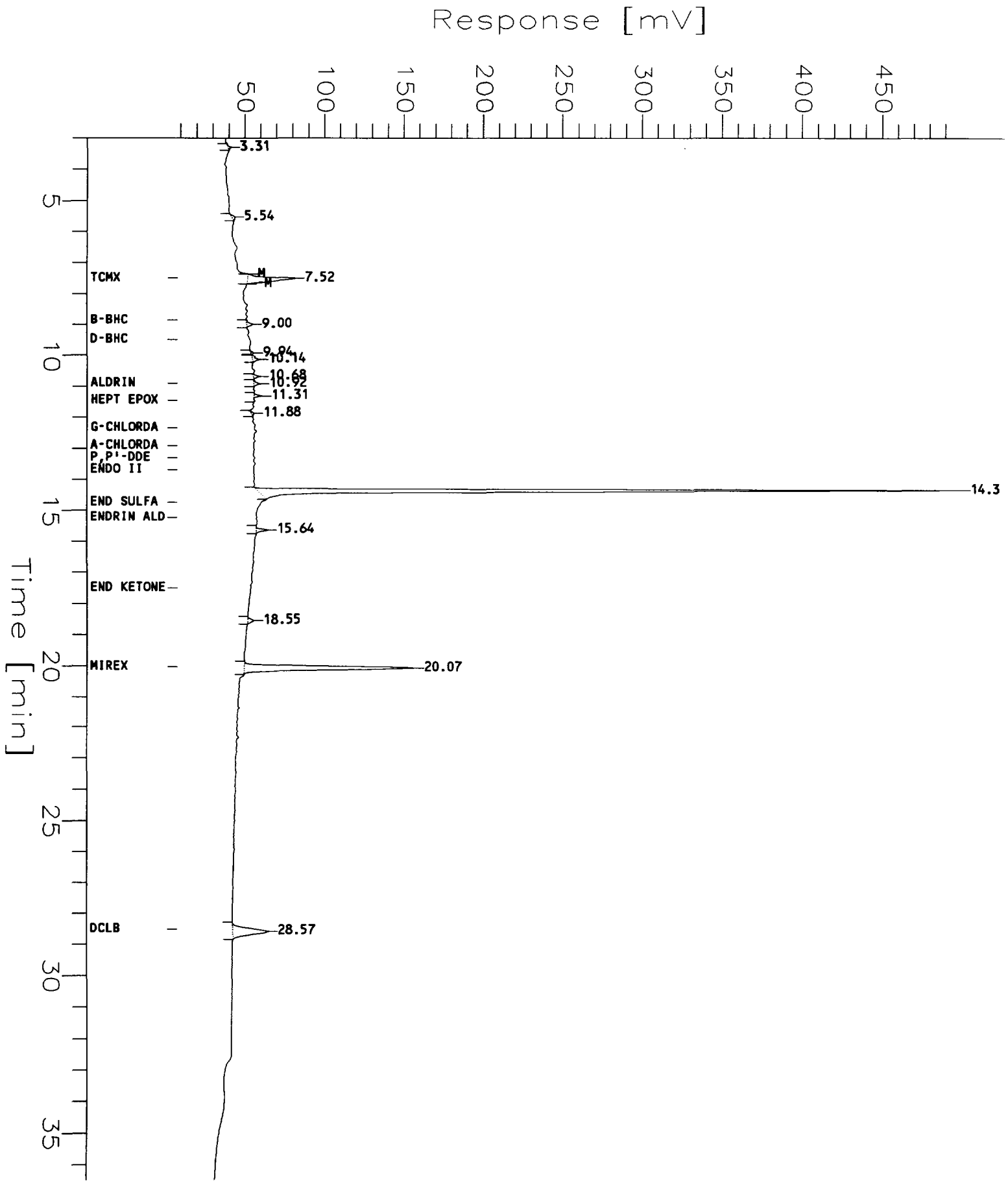
# Chromatogram

Sample Name : 94ZB19S01
FileName : C:\2700\DATA1\2STD022.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 8 mV

Sample #: 22
Date : 10/11/94 04:06 PM
Low Point : 7.73 mV
Plot Scale: 492 mV



High Point : 499.62 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 10/11/94 01:41 PM
Sample Number: 17 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 12:07 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD017.raw
Result File : C:\2700\DATA1\1STD017.rst PRIMARY COLUMN
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.79 | TCMX | 0.0350 | 60635 | 5666 | TCMX | 8.6688e6 |
| 2 | 9.31 | b-BHC | 0.0226 | 22486 | 4088 | b-BHC | 4.9856e6 |
| 3 | 16.61 | ENDRIN ALD | 0.0723 | 75662 | 11794 | ENDRIN A | 5.2344e6 |
| 5 | 28.66 | DCLB | 0.0736 | 127569 | 9549 | DCLB | 8.6639e6 |
| | | | 0.2034 | 286352 | 31096 | | 2.7552e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 10.321 |
| ALDRIN | 10.853 |
| HEPT.EPOXIDE | 12.173 |
| g-CHLORDANE | 12.578 |
| a-CHLORDANE | 12.990 |
| p,p'-DDE | 13.606 |
| ENDO II | 15.481 |
| END SULFATE | 16.928 |

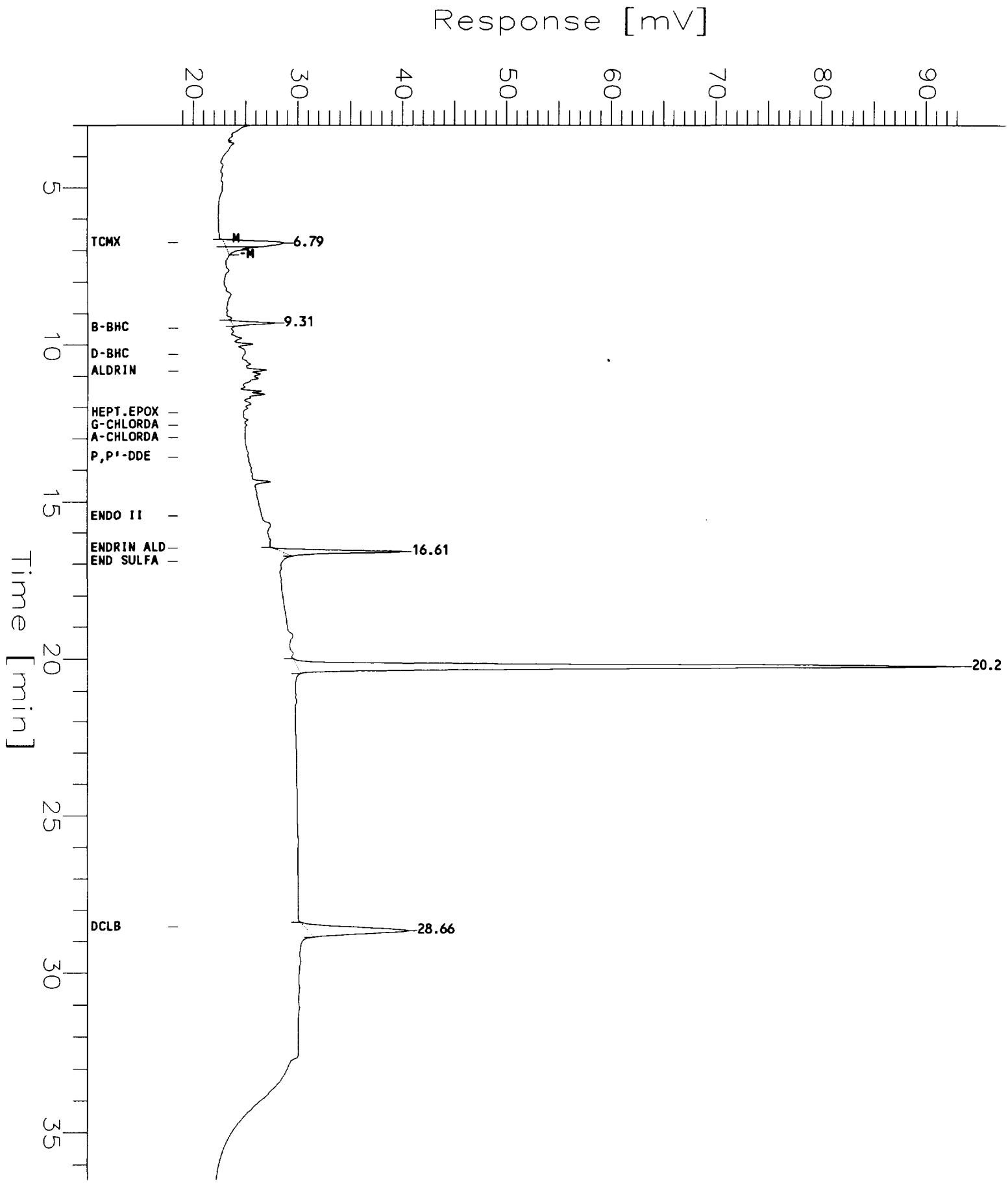
Report Stored in ASCII File: C:\2700\DATA1\1STD017.TXO

# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA1\1STD017.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 19 mV

Sample #: 17
Date : 10/11/94 01:41 PM
Low Point : 18.56 mV High Point : 93.51 mV
Plot Scale: 75 mV





Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 10/11/94 02:05 PM
Sample Number: 22 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 04:02 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD022.raw
Result File : C:\2700\DATA1\1STD022.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.78 | TCMX | 0.0313 | 54334 | 5452 | TCMX | 8.6688e6 |
| 2 | 9.31 | b-BHC | 0.0221 | 21986 | 3972 | b-BHC | 4.9856e6 |
| 3 | 16.60 | ENDRIN ALD | 0.1009 | 104878 | 16408 | ENDRIN A | 5.1978e6 |
| 5 | 28.65 | DCLB | 0.0759 | 131459 | 9752 | DCLB | 8.6645e6 |
| | | | 0.2301 | 312657 | 35583 | | 2.7516e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 10.321 |
| ALDRIN | 10.853 |
| HEPT.EPOXIDE | 12.173 |
| g-CHLORDANE | 12.578 |
| a-CHLORDANE | 12.990 |
| p,p'-DDE | 13.606 |
| ENDO II | 15.481 |
| END SULFATE | 16.928 |

Report Stored in ASCII File: C:\2700\DATA1\1STD022.TX0

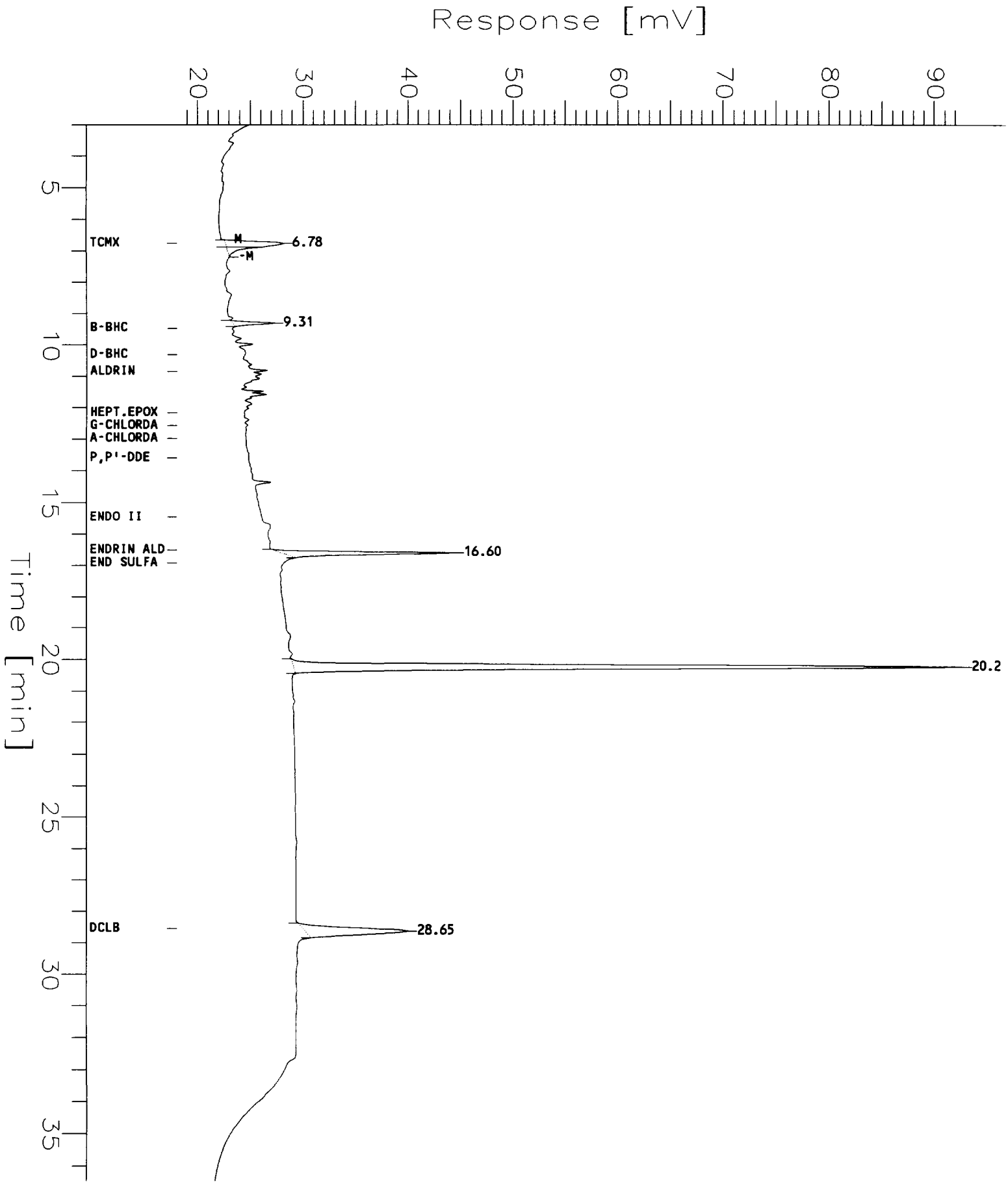
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA1\1STD022.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 18 mV

Sample #: 22
Date : 10/11/94 02:05 PM
Low Point : 18.04 mV
Plot Scale: 75 mV



High Point : 92.68 mV



Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 10/11/94 02:26 PM
Sample Number: 18 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 12:44 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD018.raw SECONDARY COLUMN
Result File : C:\2700\DATA1\2STD018.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.52 | TCMX | 0.0489 | 151239 | 17818 | MIREX | 1.5467e7 |
| 4 | 9.69 | d-BHC | 0.0233 | 21895 | 4307 | MIREX | 4.7043e6 |
| 9 | 10.98 | ALDRIN | 0.0898 | 22128 | 3941 | MIREX | 1.2325e6 |
| 12 | 11.46 | HEPT EPOXIDE | 0.0087 | 16732 | 3471 | MIREX | 9.5924e6 |
| 17 | 20.08 | MIREX | 4.2353 | 767327 | 104109 | MIREX | 9.0587e5 |
| 18 | 28.60 | DCLB | 0.0910 | 236875 | 18130 | MIREX | 1.3020e7 |
| | | | 4.4969 | 1216196 | 151776 | | 4.4922e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.872 |
| g-CHLORDANE | 12.349 |
| a-CHLORDANE | 12.928 |
| p,p'-DDE | 13.308 |
| ENDO II | 13.693 |
| END SULFATE | 14.751 |
| ENDRIN ALD | 15.241 |
| END KETONE | 17.511 |

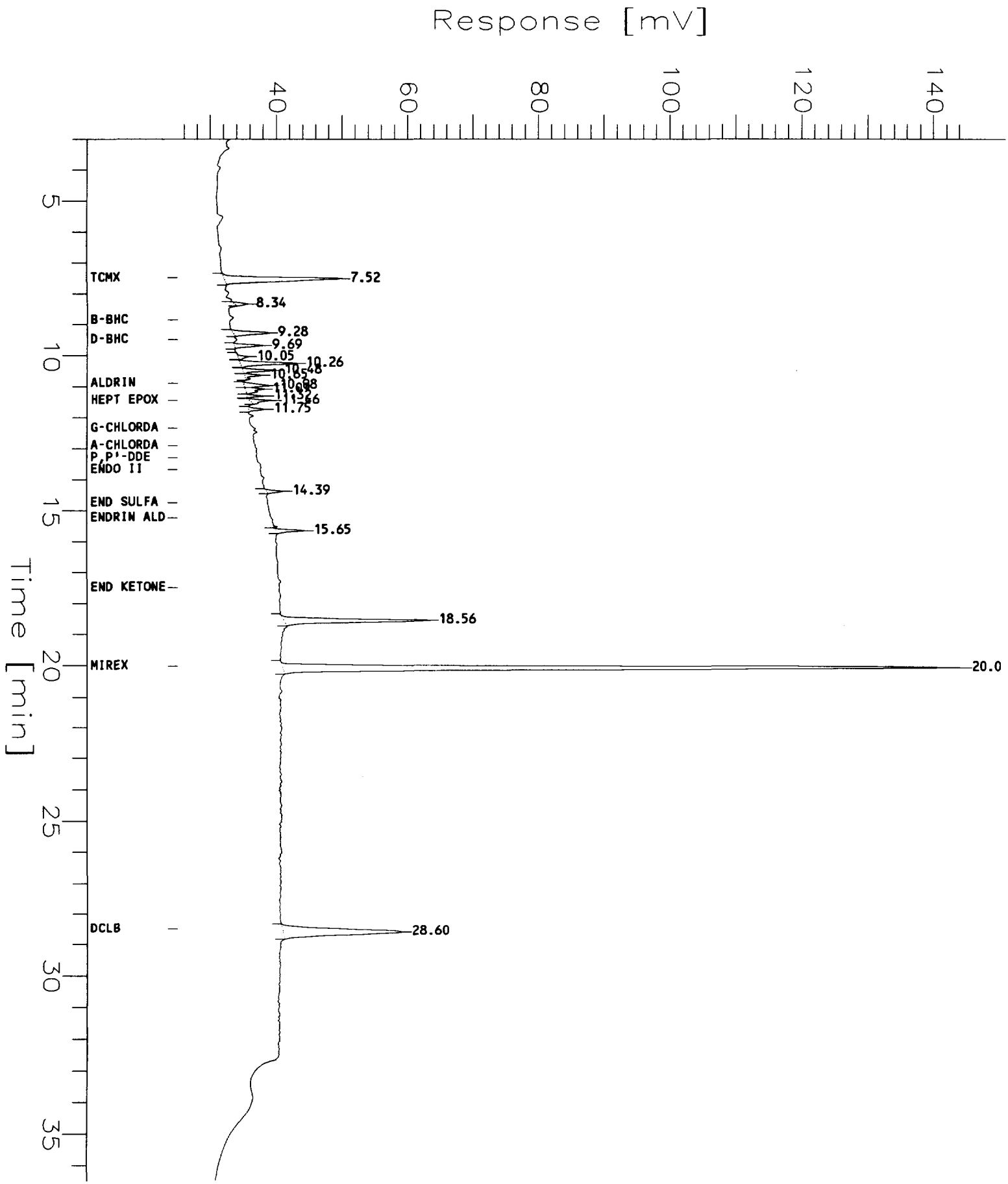
Report Stored in ASCII File: C:\2700\DATA1\2STD018.TX0

# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA1\2STD018.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 25 mV

Sample #: 18
Date : 10/11/94 02:26 PM
Low Point : 25.00 mV High Point : 144.44 mV
Plot Scale: 119 mV





Software Version: 3.1 <2A23>
Sample Name : 94ZB19S05 Time : 10/11/94 04:08 PM
Sample Number: 23 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 04:39 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD023.raw
Result File : C:\2700\DATA1\2STD023.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.51 | TCMX | 0.0473 | 146138 | 18918 | MIREX | 1.5460e7 |
| 4 | 9.68 | d-BHC | 0.0236 | 22379 | 4397 | MIREX | 4.7397e6 |
| 9 | 10.98 | ALDRIN | 0.0891 | 22524 | 3989 | MIREX | 1.2634e6 |
| 12 | 11.46 | HEPT EPOXIDE | 0.0078 | 14945 | 3344 | MIREX | 9.5915e6 |
| 17 | 20.07 | MIREX | 4.6222 | 837421 | 106376 | MIREX | 9.0587e5 |
| 18 | 28.56 | DCLB | 0.0935 | 243741 | 18128 | MIREX | 1.3029e7 |
| | | | 4.8835 | 1287148 | 155152 | | 4.4990e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| b-BHC | 8.872 |
| g-CHLORDANE | 12.349 |
| a-CHLORDANE | 12.928 |
| p,p'-DDE | 13.308 |
| ENDO II | 13.693 |
| END SULFATE | 14.751 |
| ENDRIN ALD | 15.241 |
| END KETONE | 17.511 |

Report Stored in ASCII File: C:\2700\DATA1\2STD023.TXO

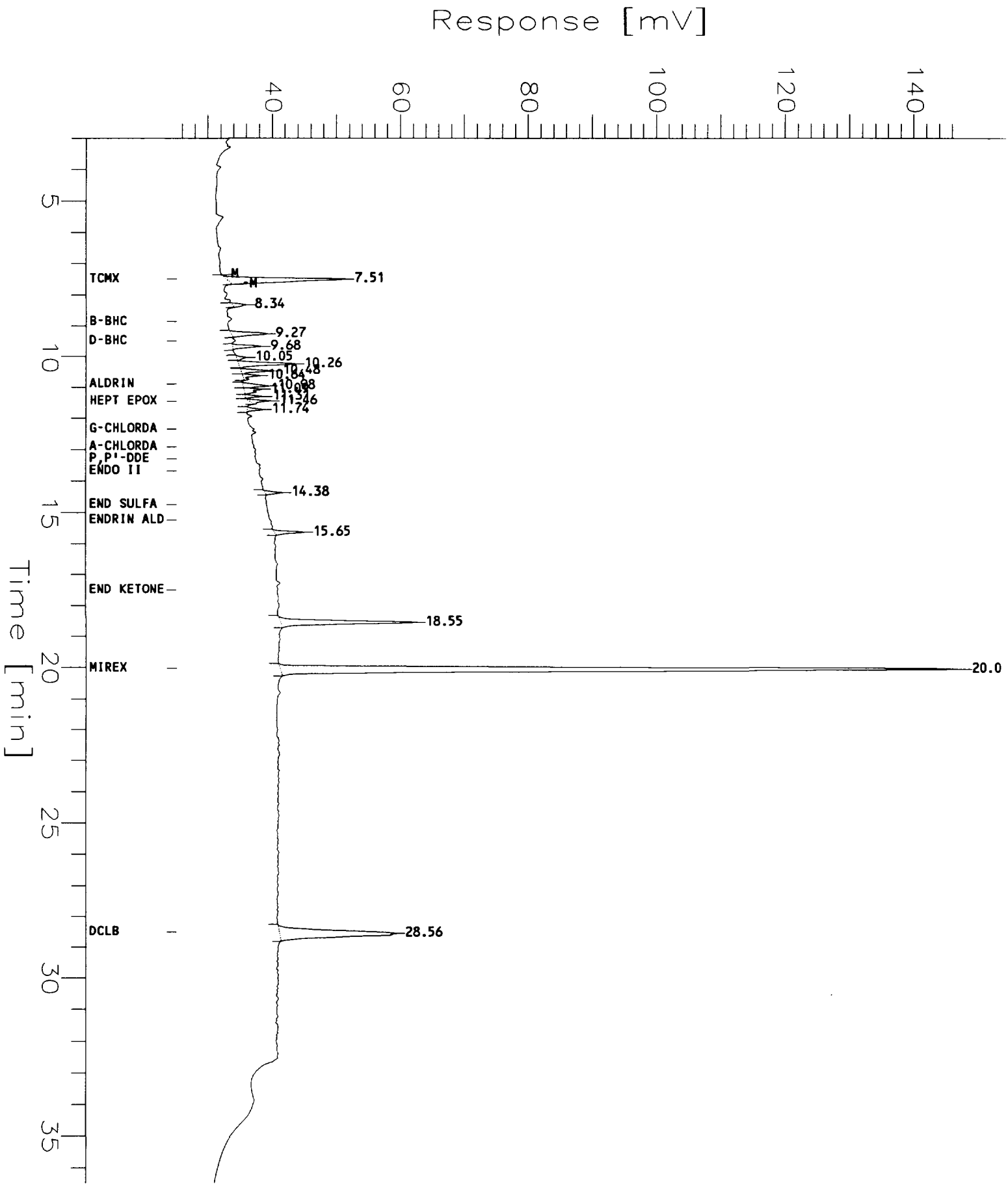
# Chromatogram

Sample Name : 94ZB19S05
FileName : C:\2700\DATA1\2STD023.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 25 mV

Sample #: 23
Date : 10/11/94 04:08 PM
Low Point : 25.13 mV
Plot Scale: 123 mV



High Point : 147.66 mV



Software Version: 3.1 <2A23>
Sample Name : PE PR713 Time : 10/11/94 02:01 PM
Sample Number: 18 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 12:44 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD018.raw
Result File : C:\2700\DATA1\1STD018.rst PRIMARY COLUMN
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.81 | TCMX | 0.0589 | 102105 | 8989 | TCMX | 8.6688e6 |
| 2 | 9.36 | b-BHC | 0.1077 | 107431 | 21084 | b-BHC | 4.9856e6 |
| 3 | 10.87 | ALDRIN | 0.0344 | 60843 | 11526 | ALDRIN | 8.8460e6 |
| 4 | 13.63 | p,p'-DDE | 0.0527 | 65434 | 13848 | p,p'-DDE | 6.2053e6 |
| 7 | 15.71 | ENDO II | 1.1025 | 1612049 | 115353 | ENDO II | 7.3110e6 |
| 8 | 16.96 | END SULFATE | 0.0407 | 39293 | 7220 | END SULF | 4.8237e6 |
| 11 | 28.66 | DCLB | 0.0267 | 46089 | 3584 | DCLB | 8.6311e6 |
| | | | 1.4237 | 2033244 | 181604 | | 4.9471e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 10.321 |
| HEPT.EPOXIDE | 12.173 |
| g-CHLORDANE | 12.578 |
| a-CHLORDANE | 12.990 |
| ENDRIN ALD | 16.509 |

Report Stored in ASCII File: C:\2700\DATA1\1STD018.TX0

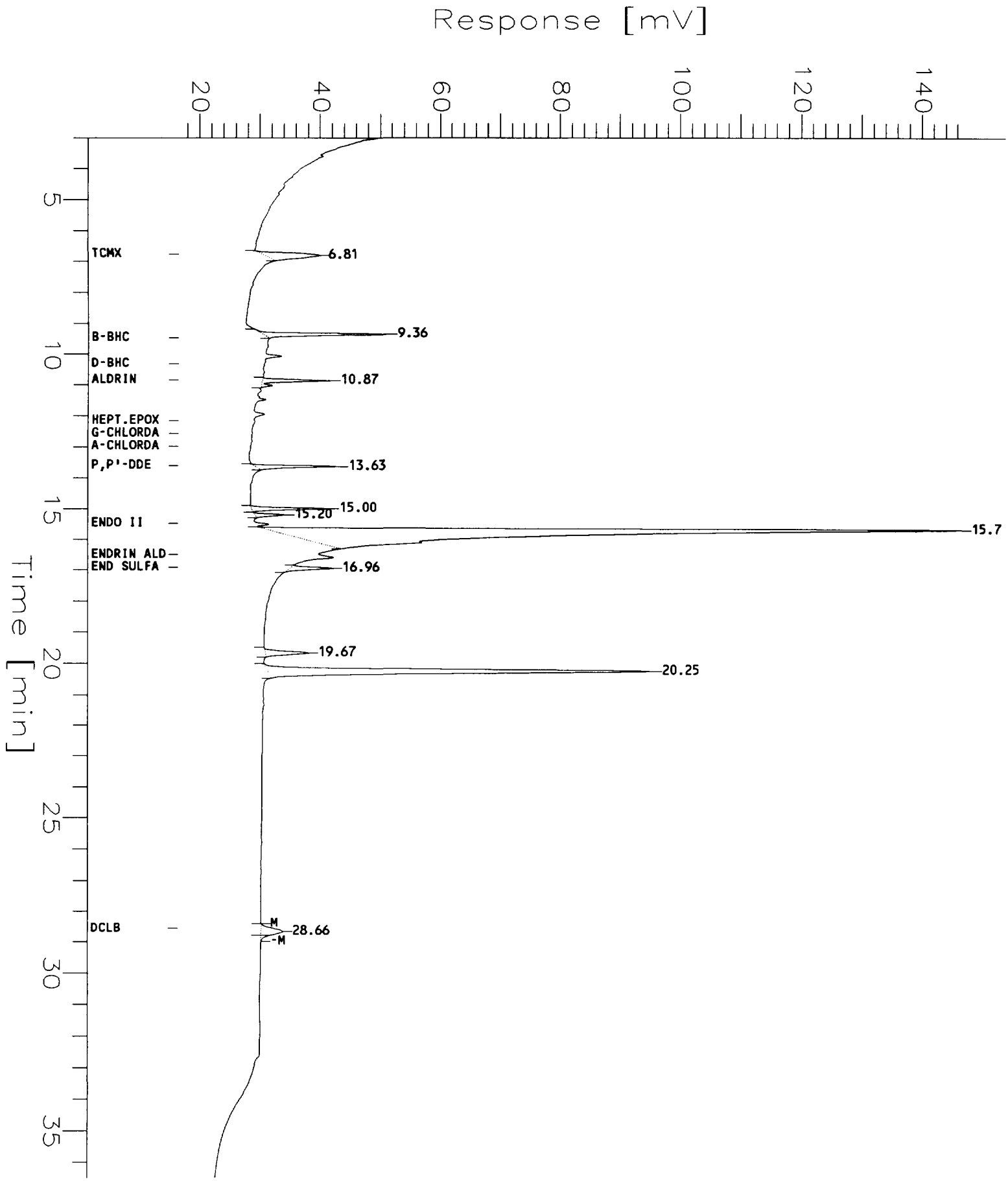
# Chromatogram

Sample Name : PE PR713
FileName : C:\2700\DATA1\1STD018.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 16 mV

Sample #: 18
Date : 10/11/94 02:01 PM
Low Point : 16.44 mV
Plot Scale: 130 mV



High Point : 146.66 mV



Software Version: 3.1 <2A23>
Sample Name : PE PR713 Time : 10/11/94 02:12 PM
Sample Number: 23 Study :
Operator : KM

Instrument : HP5890GC5 Channel : A A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 04:39 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1STD023.raw
Result File : C:\2700\DATA1\1STD023.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\1STD.prc
Sample File : C:\2700\DATA1\1PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-608 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 6.79 | TCMX | 0.0633 | 109684 | 8590 | TCMX | 8.6688e6 |
| 2 | 9.35 | b-BHC | 0.0977 | 97375 | 19055 | b-BHC | 4.9856e6 |
| 3 | 10.87 | ALDRIN | 0.0270 | 46950 | 10220 | ALDRIN | 8.6851e6 |
| 4 | 13.63 | p,p'-DDE | 0.0492 | 61018 | 12660 | p,p'-DDE | 6.2053e6 |
| 7 | 15.71 | ENDO II | 1.1661 | 1705006 | 111588 | ENDO II | 7.3104e6 |
| 8 | 16.95 | END SULFATE | 0.0404 | 38905 | 7175 | END SULF | 4.8161e6 |
| 11 | 28.64 | DCLB | 0.0161 | 27605 | 2689 | DCLB | 8.5970e6 |
| | | | 1.4597 | 2086543 | 171977 | | 4.9268e7 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 10.321 |
| HEPT.EPOXIDE | 12.173 |
| g-CHLORDANE | 12.578 |
| a-CHLORDANE | 12.990 |
| ENDRIN ALD | 16.509 |

Report Stored in ASCII File: C:\2700\DATA1\1STD023.TX0

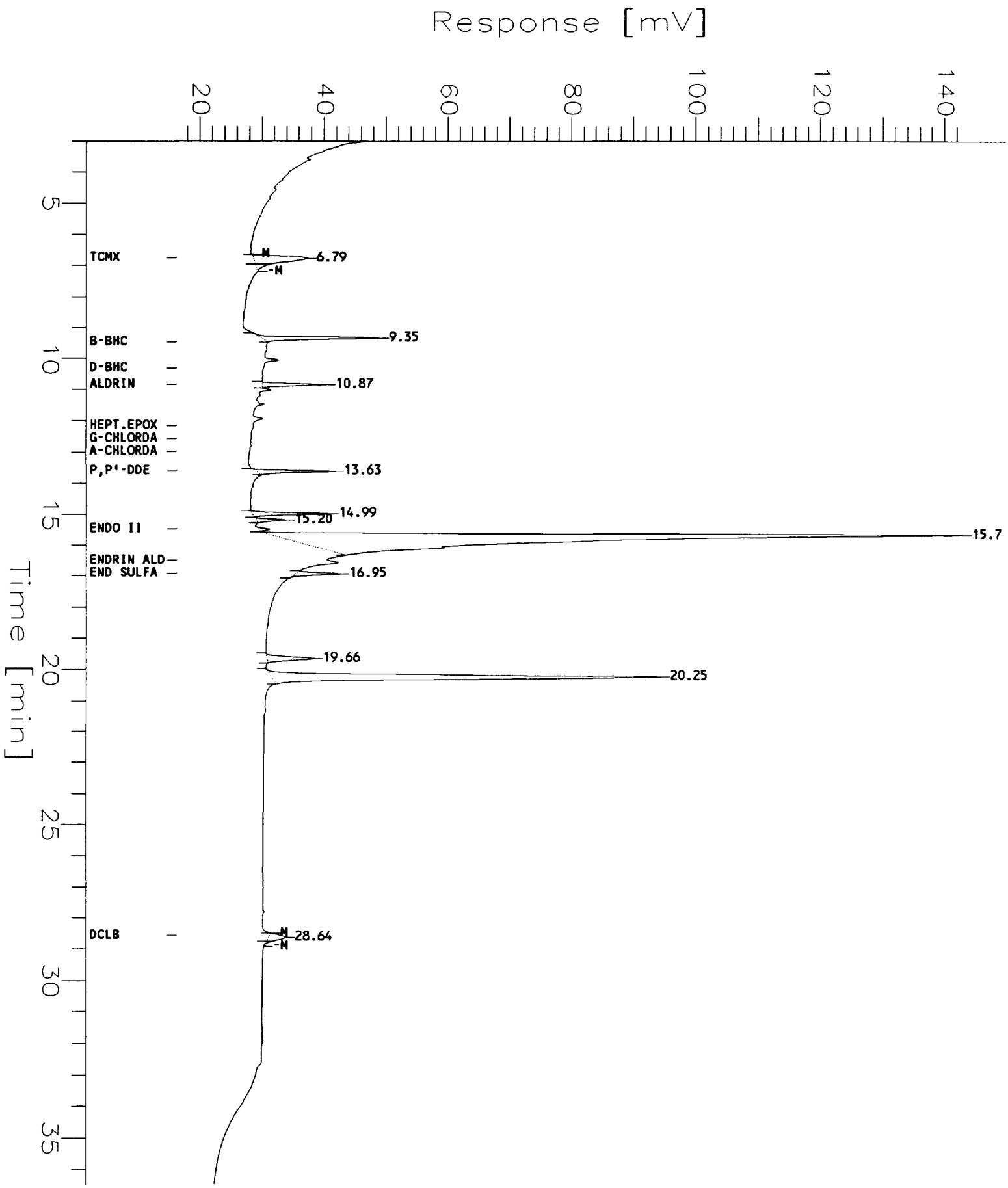
# Chromatogram

Sample Name : PE PR713
FileName : C:\2700\DATA1\1STD023.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 16 mV

Sample #: 23
Date : 10/11/94 02:12 PM
Low Point : 16.33 mV
Plot Scale: 127 mV



High Point : 142.89 mV



Software Version: 3.1 <2A23>
Sample Name : PE PR713 Time : 10/11/94 02:26 PM
Sample Number: 19 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 01:22 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD019.raw SECONDARY COLUM
Result File : C:\2700\DATA1\2STD019.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.53 | TCMX | 0.0954 | 296916 | 36170 | MIREX | 1.5559e7 |
| 2 | 9.08 | b-BHC | 0.0933 | 153870 | 29120 | MIREX | 8.2440e6 |
| 5 | 10.77 | ALDRIN | 0.0945 | 19168 | 5000 | MIREX | 1.0143e6 |
| 8 | 11.48 | HEPT EPOXIDE | 0.0361 | 69354 | 16641 | MIREX | 9.5979e6 |
| 9 | 12.24 | g-CHLORDANE | 0.0006 | 12358 | 2879 | MIREX | 1.0708e8 |
| 10 | 13.72 | ENDO II | 0.0852 | 142921 | 33203 | MIREX | 8.3918e6 |
| 12 | 14.56 | END SULFATE | 0.1478 | 250291 | 38459 | MIREX | 8.4690e6 |
| 16 | 17.72 | END KETONE | 0.0695 | 87411 | 14650 | MIREX | 6.2904e6 |
| 18 | 20.07 | MIREX | 4.5272 | 820218 | 109050 | MIREX | 9.0587e5 |
| 19 | 28.59 | DCLB | 0.0292 | 72158 | 6167 | MIREX | 1.2337e7 |
| | | | 5.1788 | 1924664 | 291340 | | 1.7789e8 |

Missing Component Report

| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.498 |
| a-CHLORDANE | 12.928 |
| p,p'-DDE | 13.308 |
| ENDRIN ALD | 15.241 |

Report Stored in ASCII File: C:\2700\DATA1\2STD019.TXO

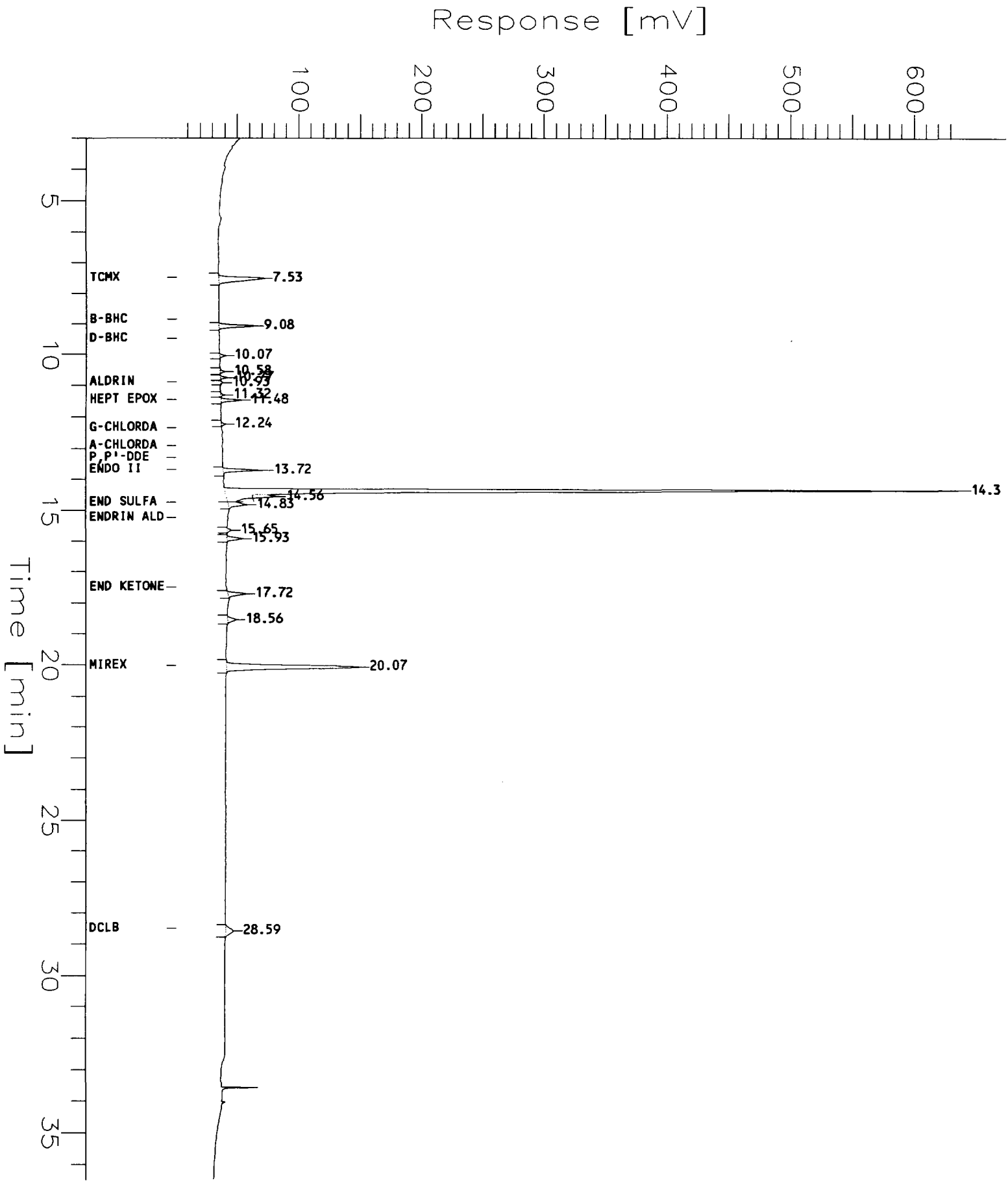
# Chromatogram

Sample Name : PE PR713
FileName : C:\2700\DATA1\2STD019.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 1 mV

Sample #: 19
Date : 10/11/94 02:26 PM
Low Point : 1.02 mV
Plot Scale: 639 mV



High Point : 639.56 mV



Software Version: 3.1 <2A23>
Sample Name : PE PR713 Time : 10/11/94 04:20 PM
Sample Number: 24 Study :
Operator : KM

Instrument : HP5890GC5 Channel : B A/D mV Range : 1000
AutoSampler : HP 7673A
Rack/Vial : 0/0

Interface Serial # : 7261921446 Data Acquisition Time: 10/7/94 05:16 PM
Delay Time : 3.00 min.
End Time : 36.50 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\2STD024.raw
Result File : C:\2700\DATA1\2STD024.rst
Instrument File: C:\2700\DATA1\1STD.ins
Process File : C:\2700\DATA1\2STD.prc
Sample File : C:\2700\DATA1\2PESTB.smp
Sequence File : c:\2700\data1\1std.seq

Inj. Volume : 1 ul Area Reject : 1000.00
Sample Amount : 1.0000 Dilution Factor : 5.00

**EXTERNAL STANDARD TABLE**

DB-5 COLUMN

| PEAK # | RET TIME | COMPOUND NAME | CONC in [ug/ML] | AREA | HEIGHT | REFR PEAK | Area/ Amount |
|---|---|---|---|---|---|---|---|
| 1 | 7.52 | TCMX | 0.0916 | 284932 | 35798 | MIREX | 1.5555e7 |
| 2 | 9.07 | b-BHC | 0.0950 | 156597 | 29417 | MIREX | 8.2430e6 |
| 5 | 10.76 | ALDRIN | 0.0966 | 17848 | 4578 | MIREX | 9.2389e5 |
| 7 | 11.47 | HEPT EPOXIDE | 0.0367 | 70479 | 16792 | MIREX | 9.5979e6 |
| 8 | 12.22 | g-CHLORDANE | 0.0013 | 13831 | 3179 | MIREX | 5.4922e7 |
| 9 | 13.70 | ENDO II | 0.0851 | 142886 | 33450 | MIREX | 8.3918e6 |
| 11 | 14.55 | END SULFATE | 0.1532 | 259731 | 39727 | MIREX | 8.4765e6 |
| 15 | 17.70 | END KETONE | 0.0796 | 103072 | 17032 | MIREX | 6.4757e6 |
| 17 | 20.05 | MIREX | 0.0000 | 821803 | 111230 | MIREX | ------- |
| 18 | 28.52 | DCLB | 0.0280 | 68841 | 6217 | MIREX | 1.2293e7 |
| | | | 0.6671 | 1940020 | 297420 | | 1.2487e8 |

Missing Component Report

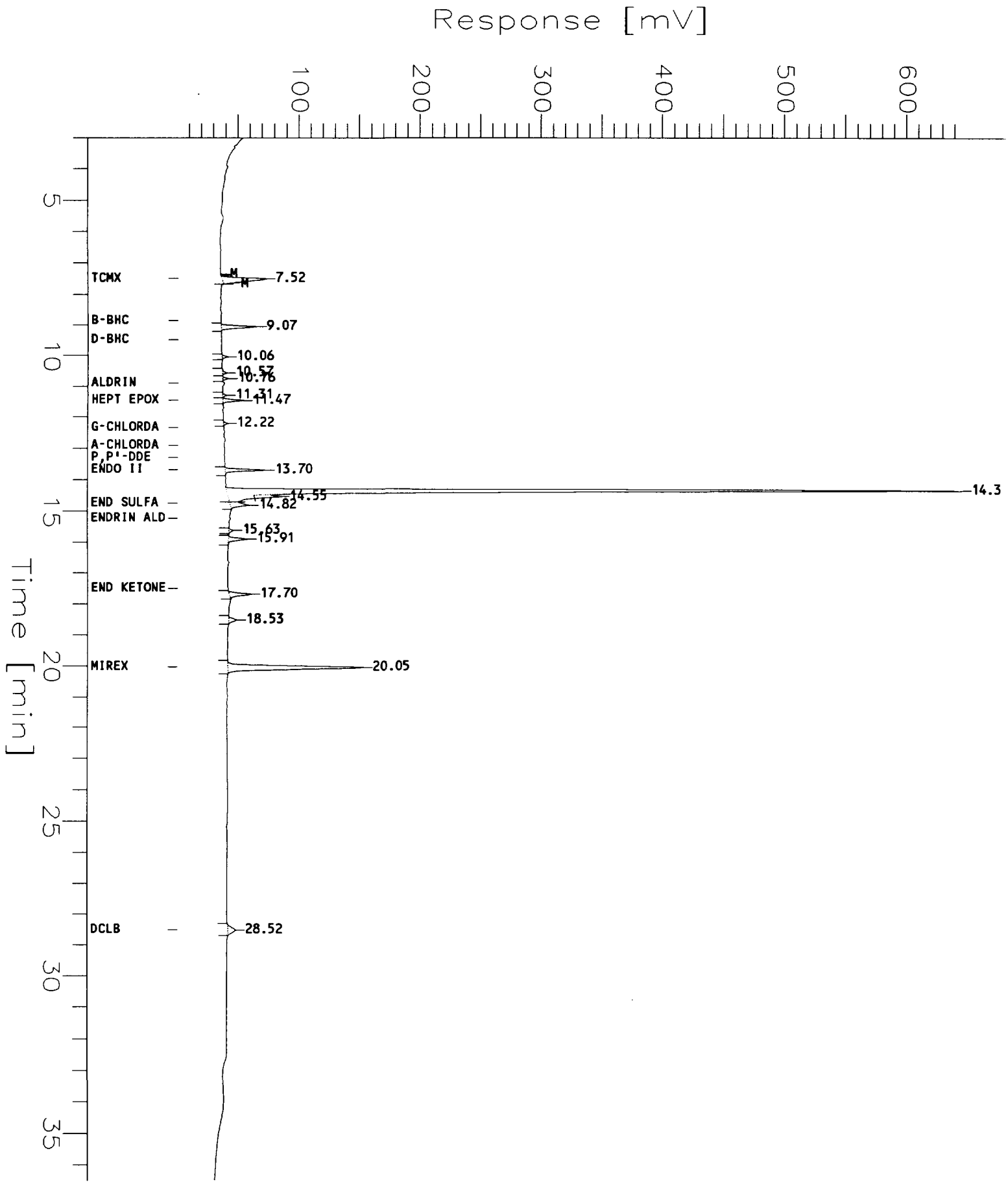
| Component | Expected Retention (Sample File) |
|---|---|
| d-BHC | 9.498 |
| a-CHLORDANE | 12.928 |
| p,p'-DDE | 13.308 |
| ENDRIN ALD | 15.241 |

Report Stored in ASCII File: C:\2700\DATA1\2STD024.TXO

# Chromatogram

Sample Name : PE PR713
FileName : C:\2700\DATA1\2STD024.raw
Start Time : 3.00 min End Time : 36.50 min
Scale Factor: 1 Plot Offset: 1 mV

Sample #: 24
Date : 10/11/94 04:20 PM
Low Point : 0.74 mV
Plot Scale: 645 mV



High Point : 646.02 mV