
AIR

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The file name refers to the reference number, the AP42 chapter and section. The file name "ref02_c01s02.pdf" would mean the reference is from AP42 chapter 1 section 2. The reference may be from a previous version of the section and no longer cited. The primary source should always be checked.

Final Report

Hot Mix Asphalt Plants Truck Loading and Silo Filling Manual Methods Testing

Asphalt Plant C Los Angeles, California

Volume 7 of 8



FINAL REPORT

**HOT MIX ASPHALT PLANTS
TRUCK LOADING AND SILO FILLING
MANUAL METHODS TESTING
ASPHALT PLANT C, LOS ANGELES, CALIFORNIA**

**VOLUME 7 OF 8
APPENDIX G.4**

**EPA Contract No. 68-D-98-004
Work Assignment No. 3-02**

Prepared for:

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May 2000

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TABLE OF CONTENTS

| <u>VOLUME 1</u> | <u>Page</u> |
|--|-------------|
| 1.0 INTRODUCTION | 1-1 |
| 2.0 SUMMARY OF TEST RESULTS | 2-1 |
| 2.1 OVERVIEW | 2-1 |
| 2.2 TREATMENT OF NON-DETECTS AND ESTIMATES | 2-2 |
| 2.3 TUNNEL EXHAUST DUCT | 2-2 |
| 2.4 SILO EXHAUST DUCT RESULTS | 2-12 |
| 2.5 PM AND MCEM DEPOSITION ESTIMATES | 2-15 |
| 2.6 METEOROLOGICAL STATION RESULTS | 2-15 |
| 3.0 PROCESS DESCRIPTION | 3-1 |
| 3.1 COORDINATION BETWEEN TESTING AND PROCESS OPERATIONS | 3-3 |
| 3.2 PROCESS MONITORING DURING TESTING | 3-3 |
| 3.3 PROCESS SAMPLES | 3-4 |
| 3.4 VELOCITY OF AIR ACROSS TOP OF TRANSPORT TRUCKS DURING LOAD-OUT | 3-5 |
| 4.0 SAMPLING LOCATIONS | 4-1 |
| 4.1 TUNNEL EXHAUST DUCT | 4-1 |
| 4.2 SILO EXHAUST DUCT | 4-1 |
| 5.0 SAMPLING AND ANALYTICAL PROCEDURES | 5-1 |
| 5.1 LOCATION OF MEASUREMENT SITES AND SAMPLE/VELOCITY TRAVERSE POINTS | 5-1 |
| 5.2 DETERMINATION OF EXHAUST GAS VOLUMETRIC FLOW RATE | 5-1 |
| 5.3 DETERMINATION OF EXHAUST GAS DRY MOLECULAR WEIGHT | 5-3 |
| 5.4 DETERMINATION OF EXHAUST GAS MOISTURE CONTENT | 5-3 |

TABLE OF CONTENTS (CONTINUED)

| <u>VOLUME 1 (CONTINUED)</u> | <u>Page</u> |
|---|-------------|
| 5.5 DETERMINATION OF PM AND MCEM | 5-3 |
| 5.6 DETERMINATION OF VOHAPs | 5-3 |
| 5.7 DETERMINATION OF SVOHAPs | 5-7 |
| 5.8 DETERMINATION OF WIND SPEED, WIND DIRECTION, AMBIENT TEMPERATURE, AND AMBIENT HUMIDITY | 5-7 |
| 5.9 ESTIMATE OF PM AND MCEM ON THE CEILING OF THE LOAD-OUT TUNNEL DOWNSTREAM OF SILO NO. 5 | 5-7 |
| 5.10 ESTIMATE OF PM AND MCEM DEPOSITION ON THE INSIDE WALLS OF THE SILO NO. 2 EXHAUST PLENUM | 5-9 |
| 5.11 ESTIMATE OF PM AND MCEM DEPOSITION ON THE INSIDE WALLS OF THE SILO EXHAUST DUCT | 5-9 |
| 5.12 ESTIMATE OF PM AND MCEM DEPOSITION ON THE INSIDE WALLS OF THE TUNNEL EXHAUST DUCT | 5-10 |
| 6.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROCEDURES AND RESULTS | 6-1 |
| 6.1 CALIBRATION AND PREPARATION OF APPARATUS | 6-1 |
| 6.2 REAGENTS AND GLASSWARE PREPARATION | 6-2 |
| 6.3 ON-SITE SAMPLING | 6-3 |
| 6.4 SAMPLE RECOVERY | 6-4 |
| 6.5 LABORATORY ANALYTICAL QA/QC PROCEDURES | 6-5 |
| 6.6 QA COORDINATOR FIELD AUDIT | 6-7 |
| APPENDIX A - TEST RESULTS AND CALCULATIONS | 1 |
| A.1 TED TEST RESULTS | 3 |
| A.2 SED TEST RESULTS | 101 |
| A.3 EXAMPLE CALCULATIONS | 195 |
| A.4 PARTICULATE DEPOSITION DATA | 204 |
| A.5 CAPTURE EFFICIENCY CALCULATIONS | 211 |
| <u>VOLUME 2</u> | |
| APPENDIX B - PROCESS DATA | 1 |
| B.1 PRODUCTION RECORDS FOR 7/24/98 THROUGH 7/28/98 | 3 |
| B.2 PRODUCT STORAGE RECORDS FOR 7/25/98 THROUGH 7/28/98 | 9 |

TABLE OF CONTENTS (CONTINUED)

VOLUME 2 (CONTINUED)

APPENDIX B - PROCESS DATA (CONTINUED)

| | | |
|------|--|-----|
| B.3 | LOAD-OUT RECORDS USED IN TED EMISSION CALCULATIONS | 19 |
| B.4 | LOAD-OUT RECORDS FOR 6/18/98 THROUGH 7/26/98 | 33 |
| B.5 | LOAD-OUT RECORDS FOR 7/24/98 THROUGH 7/28/98 | 44 |
| B.6 | SILO NO. 2 LOAD-IN RECORDS USED IN SED EMISSION CALCULATIONS | 68 |
| B.7 | ASPHALT TEMPERATURES AT LOAD-OUT | 90 |
| B.8 | MASS CHANGE RESULTS FROM ASTM TESTS PERFORMED ON ASPHALT CEMENT SAMPLES | 93 |
| B.9 | VELOCITY OF AIR ACROSS TOP OF TRANSPORT TRUCKS DURING LOAD-OUT | 100 |
| B.10 | METALS ANALYSIS OF PROCESS SAMPLES | 104 |

VOLUME 3

APPENDIX C - FIELD DATA

| | | |
|-----|-------------------------------|-----|
| C.1 | TED FIELD DATA | 2 |
| C.2 | SED FIELD DATA | 59 |
| C.3 | METEOROLOGICAL STATION DATA | 89 |
| C.4 | ON-SITE GC/MS REPORT AND DATA | 118 |

APPENDIX D - QA/QC DATA

APPENDIX E - PROJECT PARTICIPANTS

APPENDIX F - TEST METHODS

| | |
|-----|--------------------|
| F.1 | EPA METHOD 1 |
| F.2 | EPA METHOD 1A |
| F.3 | EPA METHOD 2 |
| F.4 | EPA METHOD 4 |
| F.5 | EPA METHOD 18 |
| F.6 | EPA METHOD 315 |
| F.7 | SW-846 METHOD 0010 |
| F.8 | SW-846 METHOD 0030 |

TABLE OF CONTENTS (CONCLUDED)

VOLUME 4

| | |
|--|----|
| APPENDIX G - ANALYTICAL DATA | 1 |
| G.1 PM AND MCEM DATA | 1a |
| G.2 PAH/SVOHAPS CASE NARRATIVE AND PAH DATA | 1k |

VOLUME 5

| | |
|--|-----|
| APPENDIX G - ANALYTICAL DATA (CONTINUED) | 659 |
| G.3 SVOHAPS DATA | 659 |

VOLUME 6

| | |
|--|------|
| APPENDIX G - ANALYTICAL DATA (CONTINUED) | 1248 |
| G.3 SVOHAPS DATA (CONCLUDED) | 1248 |

VOLUME 7

| | |
|--|----|
| APPENDIX G - ANALYTICAL DATA (CONTINUED) | 1a |
| G.4 VOHAPS DATA | 1c |

VOLUME 8

| | |
|--|-----|
| APPENDIX G - ANALYTICAL DATA (CONCLUDED) | 1a |
| G.4 VOHAPS DATA (CONCLUDED) | 1c |
| G.5 EPA METHOD 18 REPORT AND DATA | 260 |

LIST OF TABLES

| | | <u>Page</u> |
|------------|--|-------------|
| Table 1.1 | Test Log Tunnel Exhaust Duct, Asphalt Plant C - California | 1-4 |
| Table 1.2 | Test Log Silo Exhaust Duct, Asphalt Plant C - California | 1-5 |
| Table 2.1 | Summary of Results, Production Emissions for PM, MCEM, PAH, SVOHAP and VOHAP, Asphalt Plant C, California - July 1998 | 2-3 |
| Table 2.2 | Summary of Results, Average PM and MCEM Emissions, Asphalt Plant C, California - July 1998 | 2-4 |
| Table 2.3 | Summary of Results, Average PAH and SVOHAP Emissions, Asphalt Plant C, California - July 1998 | 2-5 |
| Table 2.4 | Summary of Results, Average VOHAP Emissions, Asphalt Plant C, California - July 1998 | 2-6 |
| Table 2.5 | Summary of Results, PAHS, SVOHAPS, & VOHAPS Average Emissions, Silo Exhaust Duct - Asphalt Plant C, California, July 1998 | 2-7 |
| Table 2.6 | PM and MCEM Emissions Sampling and Exhaust Gas Parameters Normal Operations, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-16 |
| Table 2.7 | PM and MCEM Exhaust Gas Concentrations and Emission Rates, Normal Operations, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-17 |
| Table 2.8 | PAHs and Semi-Volatile Organics Emissions Sampling and Exhaust Gas Parameters, Normal Operations, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-18 |
| Table 2.9 | PAHs Exhaust Gas Concentrations and Emission Rates, Normal Operations Tunnel Exhaust Duct, Asphalt Plant C - California | 2-19 |
| Table 2.10 | Semi-Volatile Organics Exhaust Gas Concentrations and Emission Rates, Normal Operations, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-21 |
| Table 2.11 | Volatile Organics - SW-846 Method 0030 Emissions Sampling and Exhaust Gas Parameters, Normal Operations, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-30 |
| Table 2.12 | Volatile Organics - SW-846 Method 0030 Exhaust Gas Concentrations and Emission Rates, Normal Operation, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-31 |
| Table 2.13 | Volatile Organics - EPA Method 18 Emissions Sampling and Exhaust Gas Parameters, Normal Operations, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-36 |
| Table 2.14 | Volatile Organics - EPA Method 18 Exhaust Gas Concentrations and Emission Rates, Normal Operations, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-37 |
| Table 2.15 | On-Site GC/MS Volatile Organics Exhaust Gas Concentrations and Emission Rates with Vost (SW-846 Method 0030) and EPA Method 18 Comparison, Tunnel Exhaust Duct, Asphalt Plant C - California 7/24/98 | 2-38 |
| Table 2.16 | PM and MCEM Emissions Sampling and Exhaust Gas Parameters, Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-39 |

LIST OF TABLES (CONTINUED)

| | | <u>Page</u> |
|------------|--|-------------|
| Table 2.17 | PM and MCEM Exhaust Gas Concentrations and Emission Rates, Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-40 |
| Table 2.18 | PAHs and Semi-Volatile Organics Emissions Sampling and Exhaust Gas Parameters Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-41 |
| Table 2.19 | PAHs Exhaust Gas Concentrations and Emission Rates, Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-42 |
| Table 2.20 | Semi-Volatile Organics Exhaust Gas Concentrations and Emission Rates, Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-44 |
| Table 2.21 | Volatile Organics - SW-846 Method 0030 Emissions Sampling and Exhaust Gas Parameters, Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-53 |
| Table 2.22 | Volatile Organics - SW-846 Method 0030 Exhaust Gas Concentrations and Emission Rates, Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-54 |
| Table 2.23 | Volatile Organics - EPA Method 18 Emissions Sampling and Exhaust Gas Parameters, Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-59 |
| Table 2.24 | Volatile Organics - EPA Method 18 Exhaust Gas Concentrations and Emission Rates, Background Condition, Tunnel Exhaust Duct, Asphalt Plant C - California | 2-60 |
| Table 2.25 | Sample Log Silo Exhaust Duct, Asphalt Plant C - California | 2-61 |
| Table 2.26 | PM and MCEM Emissions Sampling and Exhaust Gas Parameters, Silo Exhaust Duct, Asphalt Plant C - California | 2-62 |
| Table 2.27 | PM and MCEM Exhaust Gas Concentrations and Emission Rates, Silo Exhaust Duct, Asphalt Plant C - California | 2-63 |
| Table 2.28 | PAHs and Semi-Volatile Organics Emissions Sampling and Exhaust Gas Parameters, Silo Exhaust Duct, Asphalt Plant C - California | 2-64 |
| Table 2.29 | PAHs Exhaust Gas Concentrations and Emission Rates, Silo Exhaust Duct, Asphalt Plant C - California | 2-65 |
| Table 2.30 | Semi-Volatile Organics Exhaust Gas Concentrations and Emission Rates, Silo Exhaust Duct, Asphalt Plant C - California | 2-67 |
| Table 2.31 | Volatile Organics - SW-846 Method 0030 Emissions Sampling and Exhaust Gas Parameters, Silo Exhaust Duct, Asphalt Plant C - California | 2-76 |
| Table 2.32 | Volatile Organics - SW-846 Method 0030 Exhaust Gas Concentrations and Emission Rates, Silo Exhaust Duct, Asphalt Plant C - California | 2-77 |
| Table 2.33 | On-Site GC/MS Volatile Organics Exhaust Gas Concentrations and Emission Rates with Vost (SW-846 Method 0030) Comparison, Silo Exhaust Duct, Asphalt Plant C - California 7/25/98 | 2-82 |
| Table 2.34 | PM and MCEM Deposition Estimates, Asphalt Plant C - California | 2-83 |

LIST OF TABLES (CONCLUDED)

| | <u>Page</u> |
|------------|--|
| Table 2.35 | Meteorological Data Summary, Asphalt Plant C - California 2-84 |
| Table 3.1 | Load-out Data Used in TED Emission Calculations 3-6 |
| Table 3.2 | Load-in Data for Silo No. 2 Used in SED Emission Calculations 3-7 |
| Table 3.3 | Asphalt Temperatures at Load-out, Asphalt Plant C, California 3-8 |
| Table 3.4 | Mass Change of Asphalt, Asphalt Plant C, California 3-9 |
| Table 3.5 | Results of Metals Analyses of Asphalt Samples, Asphalt Plant C, California 3-10 |
| Table 3.6 | Air Velocity Over Transport Trucks During Load-out, Asphalt Plant C, California 3-11 |
| Table 5.1 | Summary of Sampling and Analytical Methods, Asphalt Plant C, California 5-2 |
| Table 6.1 | Summary of Temperature Sensor Calibration Data 6-8 |
| Table 6.2 | Summary of Pitot Tube Dimensional Data 6-9 |
| Table 6.3 | Summary of Dry Gas Meter and Orifice Calibration Data 6-10 |
| Table 6.4 | Summary of EPA Method 315 and SW-846 Method 0010 Field Sampling QA/QC Data 6-11 |
| Table 6.5 | Summary of EPA Method 315 Blank Sample Catches 6-12 |
| Table 6.6 | SW-846 Method 0010 PAHs Field and Laboratory Blanks Results, Tunnel Exhaust Duct 6-13 |
| Table 6.7 | SW-846 Method 0010 PAHs Field and Laboratory Blanks Results, Silo Exhaust Duct 6-14 |
| Table 6.8 | SW-846 Method 0010 PAHs Surrogate Recovery Results, Tunnel Exhaust Duct 6-15 |
| Table 6.9 | SW-846 Method 0010 Semi-Volatile Surrogate Recovery Results Tunnel Exhaust Duct 6-16 |
| Table 6.10 | SW-846 Method 0010 PAHs Surrogate Recovery Results, Silo Exhaust Duct 6-17 |
| Table 6.11 | SW-846 Method 0010 Semi-Volatile Surrogate Recovery Results Silo Exhaust Duct 6-18 |
| Table 6.12 | SW-846 Method 0030 Field and Laboratory Blanks Results Tunnel Exhaust Duct 6-19 |
| Table 6.13 | SW-846 Method 0030 Laboratory Blank Results, Silo Exhaust Duct 6-20 |
| Table 6.14 | SW-846 Method 0030 Surrogate Recovery Results Tunnel Exhaust Duct 6-21 |
| Table 6.15 | SW-846 Method 0030 Surrogate Recovery Results Silo Exhaust Duct 6-22 |

LIST OF FIGURES

| | <u>Page</u> |
|------------|--|
| Figure 1.1 | Project Organization - US EPA Hot Mix Asphalt Load-out Operation, Asphalt Plant C, California 1-6 |
| Figure 2.1 | Load-out Tunnel and MET Station Location and Average Wind Direction 2-85 |
| Figure 3.1 | Process Flow Schematic, Asphalt Plant C, California 3-2 |
| Figure 3.2 | Velocity Measurement Locations and Dimensions of Transport Trucks . . . 3-12 |
| Figure 4.1 | Tunnel Exhaust Duct Sampling Locations, Asphalt Plant C, California 4-2 |
| Figure 4.2 | Tunnel Exhaust Duct Traverse Point Locations, Asphalt Plant C, California 4-3 |
| Figure 4.3 | Silo Exhaust Duct Sampling Locations, Asphalt Plant C, California 4-4 |
| Figure 4.4 | Silo Exhaust Duct Traverse Point Locations, Asphalt Plant C, California . . 4-5 |
| Figure 5.1 | EPA Method 315 Sampling Train Schematic 5-4 |
| Figure 5.2 | SW-846 Method 0030 Sampling Train Schematic 5-6 |
| Figure 5.3 | SW-846 Method 0010 Sampling Train Schematic 5-8 |
| Figure 5.4 | Location of TED Deposition Test Plates T ₁ , T ₂ , and T ₃ 5-11 |

GLOSSARY OF TERMS

ASTM – American Society for Testing and Materials
CEMS – Continuous Emissions Monitoring System
CTS – Calibration Transfer Standard
EMC – Emissions Measurement Center
EMAD – Emission Monitoring and Analysis Division
ESP – Electrostatic Precipitator
FID – Flame Ionization Detector
FTIR – Fourier Transform Infrared Spectroscopy
HAP – Hazardous Air Pollutant
MCEM – Methylene Chloride Extractable Matter
MRI – Midwest Research Institute
PES – Pacific Environmental Services
PM – Particulate Matter
PTE – Permanent Total Enclosure
RAP – Recycled Asphalt
RTFOT – Rolling Thin Film Oven Test
SED – Silo Exhaust Duct

GLOSSARY OF TERMS (CONTINUED)

SMTG – Source Measurement Technology Group
SVOHAP – Semi-Volatile Organic Hazardous Air Pollutant
TED – Tunnel Emissions Duct
TFOT – Thin Film Oven Test
THC – Total Hydrocarbons
VOHAP – Volatile Organic Hazardous Air Pollutant
VOST – Volatile Organic Sampling Train

VOLUME 7

APPENDIX **G**

ANALYTICAL DATA (CONTINUED)

G.4 VOHAPS DATA

APPENDIX G.4
VOHAPS DATA

(a)


TRIANGLE LABS**CASE NARRATIVE**

**Analysis of Samples for the Presence of
Volatile Analytes by
High-Resolution Gas Chromatography / Low-Resolution Mass Spectrometry**

METHOD 8260

Date : August 24, 1998
Client ID : Pacific Environmental Services
TLI Project Number : 46297

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Objective: Analysis of four VOST tube pairs (T-V-1-1-A&-B, T-V-1-2-A&-B, T-V-1-3-A&-B, T-V-1-4-A&-B) for a client specified list of volatile compounds, using Method 8260.

Method:

Eight VOST tube pairs were received at Triangle Laboratories, Inc. on July 25, 1998 on ice at 6°C in good condition. The samples were stored in a refrigerator at 4°C prior to analysis. The VOST tube sample pairs were analyzed according to the guidelines of Methods 8260 and 5040.

* {Per client request, the compounds **1,3-butadiene**, vinyl bromide, methyl-t-butylether (MTBE), **n-hexane**, **1,2-epoxybutane**, **iso-octane**, and ethyl acrylate were additional target compounds. A one point calibration was analyzed for these additional compounds and the resulting response factor used for **quantitation**.} The internal standards and **surrogate** standards were added in the amount of 0.25 micrograms (**ug**) immediately prior to analysis by **GC/MS**. The internal standards are pentafluorobenzene, **1,4-difluorobenzene**, and **chlorobenzene-d₃** and **1,4-dichlorobenzene-d₄**. The surrogate standards reported are dibromofluoromethane, **toluene-d₈**, and **4-bromofluorobenzene**. The results reported relate only to the items tested.

The **GC/MS** analysis conditions are listed below:

| | |
|---------------------|-----------------|
| Purge and trap: | Tekmar LSC-2000 |
| Purge: | 11 min. |
| Desorb Temperature: | 250 c |
| Desorb Time: | 4 min. |

GC Conditions:

| | |
|---------|---|
| Column: | 30 m x .53 mm x 0.3μ J&W DB624 |
| | 0 C hold .5 min, 10 C/min to 45C, 6 C/min to 90C, hold 1.5 min, 50 C/min to 200C. |

MS Conditions:

| | |
|-------------|--------------------------------|
| Instrument: | VG-TRIO-1 Lab Base data system |
| Scan: | 35-350 amu at .6s/scan |
| Interface: | Jet Separator, 200 C |

Report:

Enclosed with the case narrative are copies of **the** sample identification index, the project summary sheets, client paperwork, sample log-in sheets, and log book pages. A sample identification index **summarizes** the client sample name, TLI sample number, and analytical file name for each sample and blank. The project summary lists the amounts for detected analytes in gray. The estimated detection limits will be listed in parentheses when the target analytes are not detected.

The data are reported as quantitation reports, chromatograms. interim reports, and spectra of detected target. The quantitation report header lists the TLI project number, analysis method,

instrument sample tile name, client sample name, client project number, TLI sample number, calibration tile, date received, and analysis date. The response factors used for all calculations are from the calibration file listed in the header. All initial and continuing calibration data are located in the back of the data package. The amount is reported in total ug for the VOST tubes. The retention time (RT) will be listed for all internal standards and analytes which are detected. If a target analyte is not detected, it will be flagged with a "U" and a detection limit will be listed. Estimated detection limits are calculated for all analytes which were not found in the samples by using an area of 2000. The estimated detection limits reported are the average detection limits achievable over time on an instrument type. The actual detection limit for a given compound on a given day may vary from the estimate reported. The quantitation limit for all analytes is half of the low point of the initial calibration. Below this point the calibration cannot be considered to be linear. Any amount reported at a level below the quantitation limit will be flagged with a "J" and should be considered estimated. If any compounds are found at a level above the upper calibration range, the analyte will be flagged with an "E" and the amounts reported should be considered estimated. If any target analytes found in the laboratory blanks are detected in the associated samples, they will be flagged with a "B" on each sample topsheet. All analytes are quantitated against the internal standard preceding them on the target analyte list. Surrogate standards are quantitated against the internal standard with the matching internal standard reference number. For example, toluene-d₈ has 2 in the IS Ref column and would be quantitated against the internal standard which has IS2 listed in the flag column. If an internal standard area is above or below the quality control limits as defined by the continuing calibration, it will be flagged with "High" or "Low" in the flag column.

RESULTS ARE POTENTIALLY BIASED HIGH

Results:

The VOST tube pairs were analyzed ten days outside the fourteen day sampling to analysis holding time. The VOST tubes were analyzed separately per client request.

The surrogate percent recoveries met all quality control criteria for all sample and blank analyses with the exception of samples T-V-1-1-A and T-V-1-2-A. ACCEPTABLE RANGE 50 - 150 %
162 % 170 %

The area for internal standard met quality control criteria for all sample and blank analyses with the exception of sample T-V-1-3-B. In this sample the area of pentafluorobenzene was high in comparison to the one point calibration standard.

Sample T-V-1-2-A was analyzed one minute outside the instrument's twelve hour tune time criteria. NO IMPACT ON RESULTS (ONE MINUTE OVER 720 MINUTE WINDOW)

No data was collected for sample T-V-1-4-A, due to GC oven shutting off and not ramping, during the acquisition.

The laboratory blanks contained several target analytes at amounts below the quantitation limit. The target analytes in the laboratory blank should not be considered as truly present in the native samples unless found at a level at least five times the amount found in the associated blank. In the event that the amount of a target analyte found in the samples is twenty times the amount found in the associated blank, the contribution from the blank can be considered negligible.

Sample Calculations:

$$\text{Response Factor (RF)} = \frac{[\text{area analyte}] \times (\text{amt IS})}{(\text{area IS}) \times (\text{amt analyte})}$$

$$\text{Amount (ug)} = \frac{(\text{area analyte in sample}) \times (\text{amt IS})}{(\text{area IS}) \times (\text{avg ical RF})}$$

Where:

amt IS = amount of internal standard = 0.25 ug

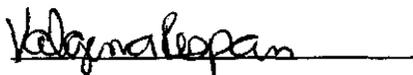
ical = initial calibration

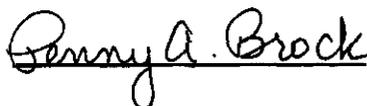
The data in this package has been judged to be valid according to the guidelines of Methods 8260 and 5040 except as noted above. Should you have any questions, please feel free to contact our Project Scientist, Deb. Smith, at (919) 544-5729, ext. 267.

For Triangle Laboratories, Inc.,

Report Preparation:

Quality Control:





Valgena Respass
Report Preparation Chemist

Penny A. Brock
Report Preparation Chemist

The total number of pages in this data package is 203

Triangle Laboratories, Inc.
Sample Identification Index for Project: 46297

| Client Id: | TLL Id: | File Name: |
|-------------------|----------------|-------------------|
| T-V-I-1-AT | 214-1-6A | FX883 |
| T-V-I-I-B TC | 214-1-6B | FX879 |
| T-V-1-2-A T | 214-1-7A | FX895 |
| T-V-1-2-B TC | 214-1-78 | FX880 |
| T-V-1-3-A T | 214-1-8A | HW713 |
| T-V-1-3-B TC | 214-1-88 | FX882 |
| T-V-1-4-B TC | 214-1-9B | FX881 |
| VOSTBLK081798 | VOSTBLK08179 | FX878 |
| VOSTBLK081898 | VOSTBLK08189 | FX894 |
| VOSTBLK081998 | VOSTBLK08199 | HW705 |

Triangle Laboratories, Inc.
Project Summary for Project 46297

| Client ID: | T-V-1-1-A | T-V-1-1-B | T-V-1-2-A | T-V-1-2-B | T-V-1-3-A |
|---------------------------------|-----------|-----------|-----------|-----------|-----------|
| | T | T C | T | T C | T |
| Filename : | FX883 | FX879 | FX895 | FX880 | HW713 |
| TLI Id : | 214-1-6A | 214-1-6B | 214-1-7A | 214-1-7B | 214-1-8A |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| Chloromethane | (0.001) | 0.075 | (0.001) | 0.060 | (0.001) |
| Vinyl Chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromomethane | (0.001) | 0.056 | 0.007 | 0.068 | 0.005 |
| Chloroethane | (0.001) | (0.001) | (0.001) | (0.001) | 0.007 |
| Trichlorofluoromethane | 0.008 | (0.001) | (0.001) | (0.001) | 0.009 |
| 1,1-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Methylene chloride <i>FIELD</i> | 0.303 | 0.153 | 0.078 | 0.248 | 0.058 |
| trans-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chloroform | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,1-Trichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Iodomethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Carbon disulfide | 0.015 | (0.001) | 0.013 | 0.004 | 0.012 |
| Acetone | 0.137 | (0.004) | 0.204 | 0.039 | 0.589 |
| Allyl chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Acrylonitrile | (0.015) | (0.016) | (0.017) | (0.015) | (0.003) |
| Vinyl acetate | (0.002) | (0.002) | (0.002) | (0.002) | (0.001) |
| 2-Butanone | 0.061 | (0.004) | (0.004) | (0.004) | 0.509 |
| Carbon tetrachloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Benzene | 0.106 | (0.001) | 0.129 | (0.001) | 0.516 |
| 1,2-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dichloropropane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromodichloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Toluene | 0.360 | 0.020 | 0.377 | 0.059 | 0.455 |
| trans-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,2-Trichloroethane | (0.001) | (0.002) | (0.002) | (0.001) | (0.001) |
| Methyl methacrylate | (0.005) | (0.006) | (0.006) | (0.006) | (0.001) |
| 4-Methyl-2-pentanone | (0.004) | (0.004) | (0.005) | (0.004) | (0.001) |
| Tetrachloroethene | (0.001) | (0.001) | 0.054 | (0.001) | 0.038 |
| Dibromochloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dibromoethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chlorobenzene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |

Triangle Laboratories, Inc.
Project Summary for Project 46297

| | | | | | |
|------------|-----------|-----------|-----------|-----------|-----------|
| Client ID: | T-V-1-1-A | T-V-1-1-B | T-V-1-2-A | T-V-1-2-B | T-V-1-3-A |
| | T | TC | T | TC | T |
| Filename : | FX883 | FX879 | FX895 | FX880 | HW713 |
| TLI Id : | 214-1-6A | 214-1-6B | 214-1-7A | 214-1-7B | 214-1-8A |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |

| | | | | | |
|---------------------------|---------|---------|---------|---------|---------|
| Ethylbenzene | 0.137 | (0.001) | 0.128 | (0.001) | 0.105 |
| m-/p-Xylene | 0.720 | (0.001) | 0.677 | 0.001 | 0.758 |
| o-Xylene | 0.251 | (0.001) | 0.235 | (0.001) | 0.181 |
| Styrene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromoform | (0.002) | (0.003) | (0.003) | (0.003) | (0.001) |
| 2-Hexanone | (0.005) | (0.006) | (0.006) | (0.006) | (0.001) |
| Cumene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,2,2-Tetrachloroethane | (0.002) | (0.003) | (0.002) | (0.002) | (0.001) |

7

7

Triangle Laboratories, Inc.
Project summary for Project 46297

| | | | | | |
|------------|-----------|-----------|--------------|--------------|--------------|
| Client ID: | T-V-1-3-B | T-V-1-4-B | VOSTBLK081 | VOSTBLK081 | VOSTBLK081 |
| | TC | TC | 798 | 898 | 998 |
| Filename : | FX882 | FX881 | FX878 | FX894 | HW705 |
| TLI Id : | 214-I-88 | 214-I-98 | VOSTBLK08179 | VOSTBLK08189 | VOSTBLKD8199 |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |

| Chloromethane | 0.083 | 0.073 | (0.001) | (0.001) | 0.003 |
|---------------------------|---------|---------|---------|---------|---------|
| Vinyl Chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromomethane | 0.109 | 0.045 | (0.001) | (0.001) | (0.001) |
| Chloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichlorofluoromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Methylene chloride | 0.026 | 0.048 | (0.001) | (0.001) | 0.002 |
| trans-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chloroform | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,1-Trichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Iodomethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Carbon disulfide | 0.006 | (0.001) | (0.001) | (0.001) | (0.001) |
| Acetone | 0.077 | 0.092 | (0.004) | (0.006) | (0.004) |
| Allyl chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Acrylonitrile | (0.016) | (0.016) | (0.016) | (0.021) | (0.006) |
| Vinyl acetate | (0.002) | (0.002) | (0.002) | (0.002) | (0.001) |
| 2-Butanone | (0.004) | (0.004) | (0.004) | (0.005) | (0.003) |
| Carbon tetrachloride | (0.001) | (0.001) | (0.001) | (0.031) | (0.001) |
| Benzene | (0.001) | (0.001) | 0.013 | 0.023 | (0.001) |
| 1,2-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dichloropropane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromodichloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Toluene | 0.005 | 0.017 | 0.005 | 0.008 | 0.003 |
| trans-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.002) | (0.001) |
| 1,1,2-Trichloroethane | (0.002) | (0.002) | (0.001) | (0.002) | (0.001) |
| Methyl methacrylate | (0.006) | (0.006) | (0.006) | (0.007) | (0.002) |
| 4-Methyl-2-pentanone | (0.005) | (0.005) | (0.004) | (0.006) | (0.001) |
| Tetrachloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Dibromochloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dibromoethane | (0.002) | (0.001) | (0.001) | (0.002) | (0.001) |
| Chlorobenzene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |

() - Estimated Detection Limit Page 3

Triangle Laboratories, Inc.
Project Summary for Project 46297

| Client ID: | T-V-1-3-B TC | T-V-1-4-B TC | VOSTBLK081 798 | VOSTBLK081 898 | VOSTBLK081 998 |
|---------------------------|-----------------|-----------------|-------------------|-------------------|-------------------|
| Filename : | FX882 | FX881 | FX878 | FX894 | HW705 |
| TLI Id : | 214-1-88 | 214-1-9B | VOSTBLK08179 | VOSTBLK08189 | VOSTBLK08199 |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| Ethylbenzene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| m-/p-Xylene | (0.001) | (0.001) | (0.001) | (0.001) | 0.001 |
| o-Xylene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Styrene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromoform | (0.003) | (0.002) | (0.003) | (0.004) | (0.001) |
| 2-Hexanone | (0.006) | (0.006) | (0.006) | (0.008) | (0.002) |
| Cumene | (0.001) | (0.001) | (0.001) | (0.001) | 0.001 |
| 1,1,2,2-Tetrachloroethane | (0.003) | (0.002) | (0.003) | (0.004) | (0.001) |

Triangle Laboratories, Inc.
Project Summary for Project 46297

| Client ID: | T-V-1-1-A | T-V-1-1-B | T-V-1-2-A | T-V-1-2-B | T-V-1-3-A |
|-----------------|-----------|-----------|-----------|-----------|-----------|
| | TC | TC | T | TC | T |
| Filename : | FX883 | FX879 | FX895 | FX880 | Hw713 |
| TLI Id : | 214-1-6A | 214-1-68 | 214-1-7A | 214-1-78 | 214-1-8A |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| 1,3-Butadiene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Vinyl bromide | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| MTBE | (0.001) | (0.001) | (0.001) | (0.001) | 0.019 |
| n-Hexane | 0.127 | 0.001 | 0.147 | 0.001 | 0.111 |
| 1,2-Epoxybutane | (0.010) | (0.011) | (0.015) | (0.010) | (0.011) |
| Iso-Octane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Ethyl acrylate | (0.002) | (0.003) | (0.004) | (0.002) | (0.001) |

Triangle Laboratories, Inc.
Project **Summary** for Project **46297**

| Client ID: | T-V-I-3-B | T-V-I-4-B | VOSTBLK081 | VOSTBLK081 | VOSTBLK081 |
|------------------------|----------------|-----------------|----------------|----------------|----------------|
| | TC | TC | 798 | 898 | 998 |
| Filename : | FX882 | FX881 | FX878 | FX894 | HW705 |
| TLI Id : | 214-I-88 | 214-1-9B | VOSTBLK08179 | VOSTBLK08189 | VOSTBLK08199 |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| 1,3-Butadiene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Vinyl bromide | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| MTBE | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| n-Hexane | 0.001 | 0.004 | (0.001) | (0.001) | 0.001 |
| 1,2-Epoxybutane | (0.011) | (0.011) | (0.011) | (0.020) | (0.017) |
| Iso-Octane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Ethyl acrylate | (0.003) | (0.003) | (0.002) | (0.004) | (0.001) |



FRANKLIN COUNTY

TRIANGLE LABORATORIES, INC.

LIST OF CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

American Association for Laboratory Accreditation. Accreditation pending. Certificate Number 0226-01. Accreditation for technical competence in Environmental Testing. (Including Waste Water, Sol/Haz Waste, Pulp/Paper, and Air Matrices) Parameters are AOX/TOX, and Dioxin/Furan. Method 1613 for Drinking Water. **Currently re-applying.**

State of Alabama, Department of Environmental Management. Expires December 31, 1998. Laboratory I.D. # 40950. Dioxin in drinking water.

State of Alaska, Department of Environmental Conservation. Expires December 21, 1998. Certificate number OS-006-98. Dioxin in drinking water.

State of Arizona, Department of Health Services. Expires May 26, 1998. Certificate #AZ0423. Drinking Water for Dioxin, Dioxin in WW and S/H Waste. **Currently applying for renewal.**

State of Arkansas, Department of Pollution Control and Ecology. Expires February 19, 1999. Pulp/paper, soil, water, and Hazardous Waste for Dioxin/Furan; AOX/TOX, Volatiles, Semi-volatiles, and Metals.

State of California, Department of Health Services. Expires August 31, 1999. Certificate #1922. Selected Metals in Waste Water; Volatiles, Semi-volatiles, and Dioxin/furan in WW and Sol/Haz Waste. Dioxin in drinking water.

State of Connecticut, Department of Health Services. Expires September 30, 1999. Registration # PH-0117. Dioxin in drinking water.

Delaware Health and Social Services. Expires December 31, 1998. Certificate #NC 140. Dioxin in drinking water.

Florida Department of Health and Rehabilitative Services. Expires June 30, 1998. Dioxin in SDW. Drinking Water ID HRS# 87424. Pending new certificate.

Hawaii Department of Health. Expires March 1, 1999. Dioxin in drinking water. "Accepted" status for regulatory purposes.

Idaho Department of Health and Welfare. Expires December 31, 1998. Dioxin in drinking water.

State of Kansas, Department of Health and Environment. Expires January 31, 1999. Method 1613 for drinking water. ID #'s - Drinking water and/or pollution control - E-10215. Solid or Hazardous Waste - E-101209.

Commonwealth of Kentucky, Department for Environmental Protection. Expires December 31, 1998. ID#90060. Dioxin in drinking water.

Maryland Department of Health and Mental Hygiene. Expires September 30, 1998. Certification #235 Drinking water by Method 1613A. Currently applying for renewal.

State of Michigan, Department of Public Health. Expires June 30, 1999. Drinking water by Method 1613. Current certification is extended, based on New York certificate renewal.

Mississippi State Department of Health. No expiration date. Dioxin in drinking water.

Montana Department of Health and Environmental Services. Expires December 31, 1998. Dioxin in drinking water.

State of New Jersey, Department of Environmental Protection and Energy. Expires June 30, 1998. Extended until July 31, 1998 per letter dated May 29, 1998. ID #67851. BNAs and Volatiles. Dioxin in drinking water. Currently applying for renewal.

State of New Mexico, Environment Department. Still certified, awaiting information from A2LA Dioxin in drinking water.

New York State Department of Health. Received updated certificates. ID #11026. Environmental Analyses of potable water, non-potable Water, Solid and Hazardous Waste. Method 1613 in DW.

State of North Carolina, Department of Environment Health and Natural Resources Expires. August 31, 1998. Certificate # 37751. Dioxin in drinking water.

State of North Carolina, Department of Environment, Health, and Natural Resources, Division of Environmental Management. Expires December 31, 2000. Certificate # 485. Metals, pesticides & PCBs, semi-volatiles and volatiles; TCLP.

North Dakota State Department of Health and Consolidated Laboratories. Expires December 31, 1998. Certificate # R-076. Effective October 4, 1993. Dioxin in drinking water.

Oklahoma Department of Environmental Quality. Expires August 31, 1998. Laboratory #9612. Dioxin by 1613A, 8290 and 8280. Submitted renewal application 7/1.

State of South Carolina, Department of Health and Environmental Control. Expires June 30, 1998. Extended August 31, 1999. Certificate number #99040001 (drinking water). Expires August 31, 1999. Certificate number #99040002 (other parameters). Dioxin/Furans, BNA, Volatiles, and PCBs/pesticides under Clean Water Act, 2,3,7,8-TCDD for Drinking Water, and Organic extractables for Solid and Hazardous Waste.

State of Tennessee. Department of Environment and Conservation. Expires February 5, 1999. ID #02992. Method 1613 Drinking water only.

U.S. Department of Agriculture Soil Permit. Expires September 30, 2001. Permit No. S-3790. Under the authority of the Federal Plant Pest Act, permission is granted to receive foreign soil samples for use in laboratory analysis.

U.S. Army Corps of Engineers. Expires October 19, 1999. Validated to perform analyses for the Fort Belvoir, VA (Contract Number DACA31-97-D-0029), Vint Hill Farms Station, Vint Hill, VA (Contract Number DACA31-95-D-0083), and Selma Pressure Treating Superfund Site, Selma, CA (Contract number DACW45-94-D-0054).

U.S. EPA Region V. Expires November 14, 1999. Dioxin in drinking water.

U.S. EPA Region VIII, for the State of Wyoming. Expires November 12, 1998. Dioxin in drinking water.

State of Utah, Department of Health. Expires May 30, 2000. Certificate Number E-166. Certification for the following parameters: Semi-Volatiles and Volatiles under RCRA; Volatiles under Clean Water Act; Dioxin/furans by Method 8280; Drinking water for Dioxin by Method 1613; Metals including Mercury and Microwave Digestion.

Commonwealth of Virginia, Department of General Services, Division of Consolidated Laboratory Services. Expires June 30, 1999. ID # 00341. Dioxin in drinking water.

State of Washington, Department of Ecology. Expires September 11, 1998. Lab Accreditation Number C067. Scope of Accreditation applies to water analyses for

Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans, BNA Extr (Semivolatile) Organics and Purgeable (Volatile) Organics.

State of Washington, Department of Health. Expires April 30, 1999. Dioxin in drinking water. Lab I.D. 129.

State of West Virginia, Department of Health. Expires December 31, 1998. Certificate No. 9923(C). Dioxin in drinking water.

State of Wisconsin, Department of Natural Resources. Expires August 31, 1998. Laboratory ID Number 999869530. Certification for the following categories of Organics: Purgeable, Base/Neutral, Acid, PCBs, and Dioxin. Expires November 14, 1999. Laboratory ID 999869530. Dioxin in drinking water.

PHARMACEUTICAL

Drug Enforcement Agency (DEA). Expires November 30, 1998. Registration number RT01195835. Controlled substance registration for schedules 1,2,3,3N,4,5.

N.C. Department of Human Resources. Expires October 31, 1998. Registration number NC-PT 0000 0031. North Carolina controlled substances registration. Application submitted for renewal.

Food & Drug Administration (FDA) Registration. Expires June 1998. ID #'s 001500 1053481. Annual registration of drug establishment.

OTHER

Clinical Laboratory Improvement Amendments (CLIA) Registration. Expires May 30, 1999. ID # 34D0705123. Department of Health & Human Services, Health Care Financing Administration.

U.S. EPA Large Quantity Hazardous Waste Generator. No expiration date. EPA ID #NCD982156879. Permit indicates that the laboratory is a large generator of hazardous waste.

North Carolina General License for Radiation Protection. No expiration date. No License. 032-875-OG. The general license applies only to radioactive material contained in devices which have been manufactured and labeled in accordance with specific requirements.

TRIANGLE LABS

DOCUMENT
CONTROL

Triangle Laboratories, Inc.
801 Capitola Drive
Durham, NC 27713-4411
919-544-5729

P.O. Box 13485
Research Triangle Park, NC 27709-3485
Fax # 919-544-5491



PACIFIC ENVIRONMENTAL SERVICES, INC.

Sample Chain of Custody Record

Central Park West
5001 South Miami Boulevard, P.O. Box 12077
Research Triangle Park, North Carolina 27709-2077
(919) 941-0333 FAX: (919) 941-0234

| Sample Identification | Collection | | Sample Name | Number of Containers | Analytical Request | | Comments |
|---|------------|------|--------------------|----------------------|--------------------------------|---------------------------------------|----------------|
| | Date | Time | | | Vol. % of Spills det. EP | | |
| S-V-1-1-A | 7/24/98 | | Silo 2 Run 1 Set1 | 1 | X | | Tenax |
| S-V-1-1-B | 7/24/98 | | Silo 2 Run 1 Set1 | 1 | X | | Tenax/Charcoal |
| S-V-1-2-A | 7/24/98 | | Silo 2 Run 1 Set2 | 1 | X | | Tenax |
| S-V-1-2-B | 7/24/98 | | Silo 2 Run 1 Set2 | 1 | X | | Tenax/Charcoal |
| S-V-1-3-A | 7/24/98 | | Silo 2 Run 1 Set3 | 1 | X | | Tenax |
| S-V-1-3-B | 7/24/98 | | Silo 2 Run 1 Set3 | 1 | X | | Tenax/Charcoal |
| S-V-1-4-A | 7/24/98 | | Silo 2 Run 1 Set4 | 1 | X | | Tenax |
| S-V-1-4-B | 7/24/98 | | Silo 2 Run 1 Set4 | 1 | X | | Tenax/Charcoal |
| T-V-1-1-A | 7/24/98 | | Tunnel Run 1 Set 1 | 1 | X | | Tenax |
| T-V-1-1-B | 7/24/98 | | Tunnel Run 1 Set 1 | 1 | X | | Tenax/Charcoal |
| T-V-1-2-A | 7/24/98 | | Tunnel Run 1 Set 2 | 1 | X | | Tenax |
| T-V-1-2-B | 7/24/98 | | Tunnel Run 1 Set 2 | 1 | X | | Tenax/Charcoal |
| T-V-1-3-A | 7/24/98 | | Tunnel Run 1 Set 3 | 1 | X | | Tenax |
| T-V-1-3-B | 7/24/98 | | Tunnel Run 1 Set 3 | 1 | X | | Tenax/Charcoal |
| T-V-1-4-A | 7/24/98 | | Tunnel Run 1 Set 4 | 1 | X | | Tenax |
| T-V-1-4-B | 7/24/98 | | Tunnel Run 1 Set 4 | 1 | X | | Tenax/Charcoal |
| Relinquished by: <i>Neil A. Bennett</i> | | | | | | | |
| Date: 7/24/98 | | | | Time: 4:57 | | Received by: | |
| Date: 7/25/98 | | | | Time: 10:10 | | Received for Lab by: <i>Greg Blum</i> | |

Custody Seal : Absent
 Chain of Custody : Present
 Sample Tags : Absent
 Sample Tag Numbers: Not Listed on Chain of Custody
 SMO Forms : N/A

TRIANGLE LABORATORIES, INC. -- LOG IN RECORD/CHAIN OF CUSTODY
 Sample Seals: Absent
 Container: Intact

COPY
07/25/98

TUI Project Number 46297
 Client: PES03 - Pacific Environmental Services
 Date Received 07/25/98
 Carrier and Number Fedex/
 By *[Signature]*
 Page 1 of 1

| TLI Number | Client Sample ID | Matrix | To LAB Date/Init | To STORAGE Date/Init | DISPOSED Date/Init |
|------------|-------------------------|--------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|--------------------|
| 214-1-1A | S-V-1-1-A | | | | | | | | | | |
| 214-1-1B | S-V-1-1-B | | | | | | | | | | |
| 214-1-2A | S-V-1-2-A | | | | | | | | | | |
| 214-1-2B | S-V-1-2-B | | | | | | | | | | |
| 214-1-3A | S-V-1-3-A | | | | | | | | | | |
| 214-1-3B | S-V-1-3-B | | | | | | | | | | |
| 214-1-4A | S-V-1-4-A | | | | | | | | | | |
| 214-1-4B | S-V-1-4-B | | | | | | | | | | |
| 214-1-5A | S-V-1-3-A (Typed Label) | | | | | | | | | | |
| 214-1-5B | S-V-1-3-B (Typed Label) | | | | | | | | | | |
| 214-1-6A | T-V-1-1-A | | | | | | | | | | |
| 214-1-6B | T-V-1-1-B | | | | | | | | | | |
| 214-1-7A | T-V-1-2-A | | | | | | | | | | |
| 214-1-7B | T-V-1-2-B | | | | | | | | | | |

Receiving Remarks: 2 set of samples labelled S-V-1-3-A & S-V-1-3-B arrived. ID'S were hand printed on 1 set and Typed on the other.

Archive Remarks:

Custody Seal : Absent
 Chain of Custody : Present
 Sample Tags : Absent
 Sample Tag Numbers: Not Listed on Chain of Custody
 SMO Forms : N/A

TLI Project Number 46297
 Client: PES03 - Pacific Environmental Services

Date Received 07/25/98 By *[Signature]*
 Carrier and Number Fedex/

| TLI Number | Client Sample ID | Matrix | To LAB | | To STORAGE | | To LAB | | To STORAGE | | To LAB | | To STORAGE | | To LAB | | To STORAGE | | DISPOSED | |
|------------|------------------|--------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|-----------|----------|--|
| | | | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | Date/Init | | |
| 214-1-8A | T-V-1-3-A | R03 | TENAX | | | | | | | | | | | | | | | | | |
| 214-1-8B | T-V-1-3-B | R03 | TENAX/CHAR | | | | | | | | | | | | | | | | | |
| 214-1-9A | T-V-1-4-A | R03 | TENAX | | | | | | | | | | | | | | | | | |
| 214-1-9B | T-V-1-4-B | R03 | TENAX/CHAR | | | | | | | | | | | | | | | | | |

Receiving Remarks: 2 set of samples labelled S-V-1-3-A & S-V-1-3-B arrived. ID'S were hand printed on 1 set and typed on the other.
 Archive Remarks:

Triangle Laboratories, Inc.
Run Log

| | | | | | | |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
| D6624 | 6252663 | 8260 | V0A | V0A3 | 8260B | |

| | | | | |
|--------------|--------------|---------------------------------|---------------------------------|---------|
| Standards | | Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | Analyte |
| VS4-92-3 | VS4-92-2 | VS4-92-2 | VS4-92-2 | |
| exp. 8/22/98 | exp. 8/22/98 | exp. 8/22/98 | exp. 8/22/98 | |

Extract / Sample volume _____ µL mL
 Signature: *Henry E. Spence* Date: *8/14*

| Date** | Time** | Project | Sample # | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|---------|------------------------------|-----------------|----------|-----|---------------|---------|------|-------------|
| 8/2/98 | 13:39 | --- | 2nd VS4-92-3 exp 8/12/98 | REFB | FX850 | n/a | LG 8/13/98 | | LG | |
| 8/13/98 | 00:01 | --- | 2nd VS4-92-3 exp 8/12/98 | REFB | FX851 | n/a | LG 8/13/98 | | LG | |
| 8/13/98 | 00:40 | --- | 10nd VS4-93-1 exp 8/22/98 | VOSTD01U T/TC | FX852 | n/a | LG 8/13/98 | | LG | |
| 8/13/98 | 1:25 | --- | 10nd VS4-93-1 exp 8/22/98 | VOSTD01U T/TC | FX853 | n/a | LG 8/13/98 | | LG | Scal pt. |
| 8/13/98 | 3:02 | --- | 10nd VS4-93-2 exp 8/22/98 | VOSTD02S T/TC | FX854 | n/a | LG 8/13/98 | | LG | Scal pt. |
| 8/13/98 | 3:50 | --- | 10nd VS4-93-3 exp 8/22/98 | VOSTD05U T/TC | FX855 | n/a | LG 8/13/98 | | LG | Scal pt. |
| 8/13/98 | 4:51 | --- | 10nd VS4-93-1 exp 8/22/98 | VOSTD00.75 T/TC | FX856 | n/a | LG 8/13/98 | | LG | Scal pt. |
| 8/13/98 | 5:34 | --- | 10nd VS4-94-1 exp 8/12/98 | VOSTD01.00 T/TC | FX857 | n/a | LG 8/13/98 | | LG | Scal pt. |
| 8/13/98 | | --- | 10nd VS4-92-2 exp 8/12/98 | VOSTBLK T/TC | FX858 | n/a | LG 8/13/98 | | LG | |
| 8/13/98 | | --- | 10nd VS4-94-1 exp 8/22/98 | VOSTD1.00 T/TC | FX859 | n/a | LG 8/13/98 | | LG | |

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| D6624 | 652663 | 8260 | LoA | LoA3 | 82608 | |

| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | Analyte |
|---------------------------------|---------------------------------|---------|
| V5-92-3 | V59-92-2 | |
| 49.82458 @ 25ug/L | 49.82458 @ 25ug/L | |

Standards
Extract / Sample volume _____ µL mL
Signature: *Lorey C. Spawell* 8/12/98
Date: 8/12/98

| Date** | Time** | Project | Sample# | Client ID | Filename | pH* | Operator/Date | Backup* | Prog | Comments*** |
|---------|--------|------------------------------|----------------------|-------------------------|----------|-----|---------------|---------|------|--|
| 8/17/98 | 08:58 | — | V5-92-3 49.82458 | BFB | EX870 | N/A | SL 8/11/98 | 1 | SL | only 95/175-1000 displayed raised multiplex 8/12/98 |
| 8/17/98 | 09:48 | — | V59-92-1 49.82458 | BFB | EX871 | N/A | SL 8/12/98 | 1 | SL | OK scan # 483 8/12/98 |
| 8/17/98 | 10:23 | — | V55-92-4 49.82458 | VOSTD0.25 TITC | EX872 | N/A | SL 8/11/98 | 1 | SL | LIBRARY 2.3 OK PER D. HANSEN 8/17/98 |
| 8/17/98 | 11:24 | — | V59-92-3 49.82458 | VOSTD0.10 TITC | EX873 | N/A | SL 8/12/98 | 1 | SL | ICL points not used |
| 8/17/98 | 12:07 | — | V59-93-1 49.82458 | VOSTD0.50 TITC | EX874 | N/A | SL 8/12/98 | 1 | SL | ICL points not used |
| 8/17/98 | 13:33 | — | V59-92-3 49.82458 | VOSTBLK | EX875 | N/A | MC 8/17/98 | 1 | MC | heated during purge cycle |
| 8/17/98 | 14:12 | 10.2 V59-90-2 49.82458 | V59-90-2 49.82458 | Additional VOSTD0.50 | EX876 | N/A | MC 8/17/98 | 1 | MC | single pr |
| 8/17/98 | 15:01 | — | V59-94-3 49.82458 | VOSTBLK TITC | EX877 | N/A | SL 8/17/98 | 1 | SL | |
| 8/17/98 | 15:51 | — | V59-94-3 49.82458 | VOSTBLK TITC | EX878 | N/A | MC 8/17/98 | 1 | MC | |
| 8/17/98 | 16:57 | 462977 | 214-1-68 | T-V-1-1-B | EX879 | N/A | YR 8/17/98 | 1 | MC | |

Triangle Laboratories, Inc.
Run Log

| | | | | | | |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
| DB624 | 60250623 | 8260 | NDA | NDA3 | 8260B | 8260BX |

| | | | | | | |
|---------------------------------|----------------------|---------------------------------|----------------------|---------|-------------------------------|----------------------|
| Internal / Surrogate / Recovery | | Internal / Surrogate / Recovery | | Analyte | Extract / Sample volume _____ | Circle unit µL mL |
| YS9-92-3 @ 25µg/ml | YS9-92-2 exp 8/22/98 | YS9-92-3 @ 25µg/ml | YS9-92-2 exp 8/22/98 | | | |

| Date** | Time** | Project | Sample# | Client ID | Filename | PH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|---------|---------------------------------|----------------|----------|-----|---------------|---------|------|----------------------|
| 8/19/98 | 1730 | 46097 | 214-1-7B | TV-1-2-B | EX880 | N/A | M817/98 | 6/8/98 | YR | |
| 8/19/98 | 1830 | 46097 | 214-1-9B | TV-1-4-B | EX881 | N/A | M817/98 | | YR | |
| 8/19/98 | 1917 | 46097 | 214-1-8B | TV-1-3-B | EX882 | N/A | M817/98 | | YR | |
| 8/19/98 | 1955 | 46097 | 214-1-6A | TV-1-1-A | EX883 | N/A | M817/98 | | YR | |
| 8/19/98 | 00:19 | — | 76nd US4-92-3 exp 8/18/98 | UBLK | EX884 | N/A | 16 8/18/98 | | LC | |
| 8/19/98 | 00:47 | — | 16nd US4-92-1 exp 8/18/98 | UBLK | EX885 | N/A | 16 8/18/98 | | LC | |
| 8/19/98 | 1:24 | — | 10nd US4-92-3 exp 8/18/98 | UBLK | EX886 | N/A | 16 8/18/98 | | LC | |
| 8/19/98 | 2:16 | — | 10nd US4-92-4 exp 8/18/98 | BEFB | EX887 | N/A | 16 8/18/98 | | LC | |
| 8/19/98 | 3:02 | — | 10nd US4-92-4 exp 8/18/98 | NOSTD0.25 T1TC | EX888 | N/A | 16 8/18/98 | | LC | take lead 16 8/18/98 |
| 8/19/98 | 3:52 | — | 10nd US4-92-4 exp 8/18/98 | NOSTD0.25 T1TC | EX889 | N/A | 16 8/18/98 | | LC | take lead 16 8/18/98 |

Signature _____ Date _____

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DB624 | 6252663 | 8260 | UOA | UOA3 | 8260B | |

| Standards | |
|---------------------------------|---------------------------------|
| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery |
| USA-423 avg spikes @ 25ug/L | USA-443 avg spikes @ 25ug/L |
| Analyte | Analyte |

Extract / Sample volume _____ µL mL
 Circle unit
 Signature Lenny Gault Date 8/16/98

| Date** | Time** | Project | Sample# | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|--------------------------------|--------------------------------|-----------------------------|----------|-----|---------------|---------|------|--|
| 8/16/98 | 4:44 | — | 10ul USA-44-3 avg spikes | VOSTBLK T/TC | FX890 | n/a | 16 8/16/98 | 8/16/98 | LC | |
| 8/16/98 | 5:26 | 10ul USA-40-2 avg spikes | 10ul USA-44-3 avg spikes | VOSTDOSO T/TC Additional | FX891 | n/a | 16 8/16/98 | | LC | |
| 8/16/98 | 7:03 | — | 10ul USA-44-3 avg spikes | VOSTBLK T/TC | FX892 | n/a | 16 8/16/98 | | LC | |
| 8/16/98 | 7:17 | — | 10ul USA-44-3 avg spikes | VOSTBLK T/TC | FX893 | n/a | 16 8/16/98 | | LC | |
| 8/16/98 | 12:46 | — | 10ul USA-44-3 avg spikes | VOSTBLK T/TC | FX894 | n/a | 16 8/16/98 | | LC | Had to replace fitting and line on eye valve |
| 8/16/98 | 14:17 | 46297 | 10ul USA-44-3 avg spikes | RT-V-1-2 A T | FX895 | n/a | 16 8/16/98 | 8/16/98 | LC | Check and instrument up analysis started 8:15 outside of spec time 8/16/98 |
| 8/16/98 | 23:59 | — | 10ul USA-44-3 avg spikes | VBLK | FX896 | n/a | 16 8/16/98 | 1 | LC | |
| 8/16/98 | 1:15 | — | 10ul USA-44-1 avg spikes | USTD200 | FX897 | n/a | 16 8/16/98 | | LC | |
| 8/16/98 | 1:46 | — | 2ul USA-42-3 avg spikes | RFB | FX898 | n/a | 16 8/16/98 | | LC | |
| 8/16/98 | 3:35 | — | 10ul USA-42-4 avg spikes | VOSTD025 T/TC | FX900 | n/a | 16 8/16/98 | | LC | Sensitivity low Low |

Triangle Laboratories, Inc.
Run Log

| | | | | | | |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
| DB624 | 3274056 | 8260 | USA | V043 | 8260B | 8266X |

Standards

| | | |
|------------------------------------|------------------------------------|---------|
| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | Analyte |
| V55-92-3 app. 8/21/98 @ 25ug/ml | V55-92-2 app. 8/21/98 @ 25ug/ml | |

Extract / Sample volume _____ µL _____ mL

Signature: *Barry C. Spindel* Date: *8/19/98*

| Date** | Time** | Project | Sample # | Client ID | Filenam | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|---------|-----------------------------------|-----------------|---------|-----|---------------|-------------|------|-------------|
| 8/19/98 | 01:57 | — | 2.00 V55-92-3 app. 8/21/98 | BE-B | HW549 | N/A | JL 8/19/98 | 16 slurk | JL | |
| 8/19/98 | 02:26 | — | 10.00 V55-92-4 app. 8/22/98 | VOSTD.10 TITC | HW550 | N/A | JL 8/19/98 | | JL | |
| 8/19/98 | 03:17 | — | 16.00 V55-92-4 app. 8/22/98 | VOSTD.10 TITC | HW551 | N/A | JL 8/19/98 | | JL | |
| 8/19/98 | 03:52 | — | 16.00 V55-93-1 app. 8/21/98 | VOSTD.0.25 TITC | HW552 | N/A | JL 8/19/98 | | JL | |
| 8/19/98 | 04:23 | — | 16.00 V55-93-2 app. 8/21/98 | VOSTD.0.50 TITC | HW553 | N/A | JL 8/19/98 | | JL | |
| 8/19/98 | 04:55 | — | 16.00 V55-93-3 app. 8/21/98 | VOSTD.0.75 TITC | HW554 | N/A | JL 8/19/98 | | JL | |
| 8/19/98 | 05:27 | — | 16.00 V55-94-1 app. 8/22/98 | VOSTD.1.00 TITC | HW555 | N/A | JL 8/19/98 | | JL | |
| 8/19/98 | 06:01 | — | 16.00 V55-92-2 app. 8/18/98 | Blank | HW556 | N/A | JL 8/19/98 | | JL | |
| 8/19/98 | 06:40 | — | 16.00 V55-90-2 app. 8/18/98 | VOSTD.50 TITC | HW557 | N/A | JL 8/19/98 | | JL | single pt. |
| 8/19/98 | 07:49 | — | 16.00 V55-92-2 app. 8/22/98 | VOSTBIR TITC | HW558 | N/A | JL 8/19/98 | 16 slurk | JL | |

• Volatile Data Only

• Transcribed Data

• Dated Signature/Initials Required

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DH624 | 3274050 | 8200 | VOA | VOA3 | F2608 | |

| Standards | | Analyte |
|-----------------------------------|-----------------------------------|---------|
| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | |
| VS-92-2 exp. 8/24/98 @ 25ug/ml | VS-94-3 exp. 8/26/98 @ 25ug/ml | |

Extract / Sample volume _____ µL mL
 Signature Larry C. Knappell 8/11/98
 Date

| Date** | Time** | Project | Sample# | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|---------|---------------------------------|-------------------|----------|-----|---------------|------------|------|--|
| 8/10/98 | 10:47 | 46415A | 215-14-8A | Con1-MU030-TX-R2C | HW658 | N/A | JL 8/11/98 | BT 8/11/98 | SL | moisture from T66 BT |
| 8/10/98 | 12:22 | — | N/A VS-94-3 exp. 8/26/98 | VOSTBLK T/Tc | HW659 | N/A | JL 8/11/98 | BT 8/11/98 | SL | |
| 8/10/98 | 13:45 | 46415A | 215-14-5B | Con1-MU030-TX-R2D | HW700 | N/A | JL 8/11/98 | BT 8/11/98 | SL | Active analysis moisture from T66 BT |
| 8/10/98 | 14:25 | 46415A | 215-15-5A | Con1-MU030-TX-R2D | HW701 | N/A | JL 8/11/98 | BT 8/11/98 | SL | Active analysis moisture from T66 BT |
| 8/10/98 | 00:47 | — | 321-02-3 exp. 8/26/98 | BFB | HW702 | N/A | JL 8/11/98 | BT 8/11/98 | SL | |
| 8/10/98 | 1:18 | — | 1001 VS-94-3 exp. 8/26/98 | VOSTDO.25 T/Tc | HW703 | N/A | JL 8/11/98 | BT 8/11/98 | SL | |
| 8/10/98 | 1:57 | — | 1001 VS-94-3 exp. 8/26/98 | VOSTBLK T/Tc | HW704 | N/A | JL 8/11/98 | BT 8/11/98 | SL | |
| 8/10/98 | 2:36 | — | 1001 VS-94-3 exp. 8/26/98 | VOSTBLK T/Tc | HW705 | N/A | JL 8/11/98 | BT 8/11/98 | SL | |
| 8/10/98 | 3:58 | 46415A | 215-14-2 exp. 8/26/98 | LCS T/Tc | HW706 | N/A | JL 8/11/98 | BT 8/11/98 | SL | |
| 8/10/98 | | 46415A | 1001 VS-94-3 exp. 8/26/98 | LCSN T/Tc | HW707 | N/A | JL 8/11/98 | BT 8/11/98 | SL | old wet Agurice BT |

• Volatile Data Only

** Transcribed Data

*** Dated Signature/Initials Required

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| 08624 | 3274056 | 8260 | V04 | V043 | 8260B | |

| Internal / Surrogate / Recovery | | Internal / Surrogate / Recovery | | Analyte |
|---------------------------------|----------------------|---------------------------------|----------------------|---------|
| v24-a2-3 | exp spikes @ 25ug/ml | v24-a1-3 | exp spikes @ 25ug/ml | |

Standards
Extract / Sample volume _____ µl mL
Signature Jimmy Cell Date 8/19/98

| Date** | Time** | Project | Sample# | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|-----------------------------------|--------------------------------|--------------|----------|-----|---------------|---------|------|--|
| 8/19/98 | 5:20 | 1004 v24-a1-2 exp spikes | 1004 v24-a1-3 exp spikes | Additional 5 | HW208 | n/a | LG 8/19/98 | LG | LG | |
| 8/19/98 | 6:27 | 524-442 exp spikes | 1004 v24-a1-3 exp spikes | LSD | HW209 | n/a | LG 8/19/98 | LG | LG | |
| 8/19/98 | 07:17 | 524-542 v24-a1-2 exp. v235K | 1004 v24-a1-3 exp. v235K | LCSID | HW710 | n/a | AL 8/19/98 | AL | AL | |
| 8/19/98 | 08:14 | — | 1004 v24-a1-3 exp. v235K | Volatile | HW711 | n/a | AL 8/19/98 | AL | AL | |
| 8/19/98 | 08:55 | — | 1004 v24-a1-3 exp. v235K | Volatile | HW712 | n/a | AL 8/19/98 | AL | AL | |
| 8/19/98 | 10:06 | 46257 | Q14-1-8A | T-V-1-3-A | HW713 | n/a | AL 8/19/98 | AL | AL | |
| 8/19/98 | 10:56 | 46257 | 214-1-9A | T-V-1-4-A | HW714 | n/a | AL 8/19/98 | AL | AL | acquisition default no peaks for IS sample det + to instrument |

SAMPLE
DATA

Pacific Environmental Services

Project Number: 46297
 Sample File: FX883

Method 8260 VOST
 Sample ID: T-V-1-1-A T

Client Project: Hotmix
 FLI ID: 214-1-6A

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.008 | J | 2.03 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.015 | J | 2.77 | | 0.05 |
| Acetone | 0.137 | | 2.82 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.303 | | 3.26 | | 0.05 |
| Acrylonitrile | | U | | 0.015 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | 0.061 | | 4.75 | | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.106 | B | 5.52 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 17:46 08/24/1998

Pacific Environmental Services

Project Number: 46297

Sample File: FX883

Method 8260 VOST

Sample ID: T-V-1-1-A T

Client Project: Hotmix

TLI ID: 214-1-6A

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed: 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.005 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.004 | 0.05 |
| Toluene | 0.360 | B | 8.09 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.35 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.005 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.137 | | 10.68 | | 0.05 |
| m-/p-Xylene | 0.720 | | 10.92 | | 0.10 |
| o-Xylene | 0.251 | | 11.63 | | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.73 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.002 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capicola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 17:46 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX883

Method 8260 VOST
Sample ID: T-V-1-1-A T

Client Project: Hotmix
TLI ID: 214-1-6A

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed : 08/17/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.231 | 5.18 | 1 | 92 |
| Toluene-d ₈ | 0.339 | 8.00 | 2 | 136 |
| 4-Bromofluorobenzene | 0.404 | 12.65 | 2 | 162 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
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Savar v3.7
Printed: 17:46 08/24/1998

Pacific Environmental Services

Project Number: 46297

Sample File: FX883

Method 8260 VOST
Sample ID: T-V-1-1-A TC

Client Project: Hotmix

TLI ID: 214-1-6A

Date Received: 07/25/98

Response File: ICALF817

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | 0.127 | J | 3.88 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.010 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.002 | 0.25 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

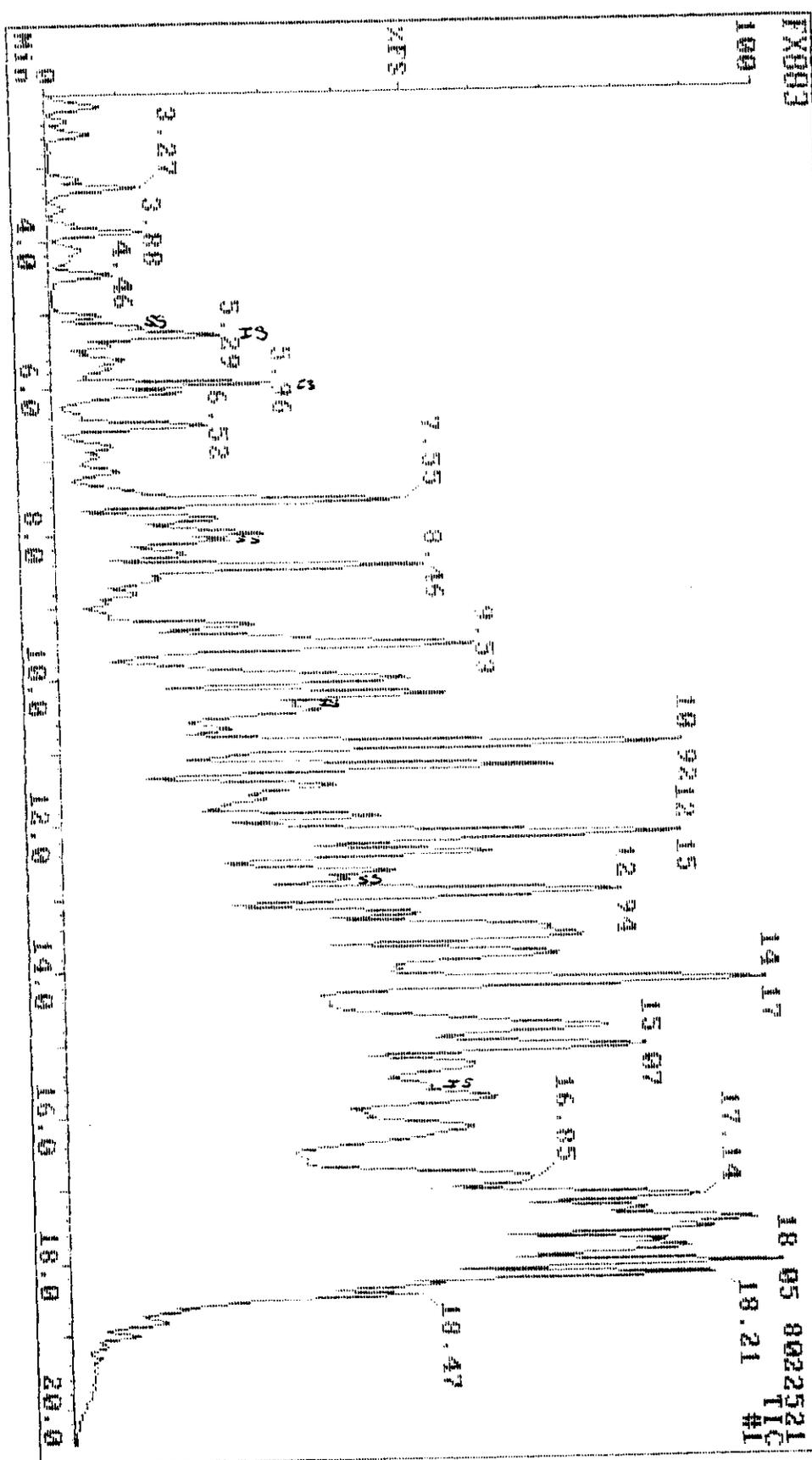
801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 18:00 08/24/1998

17-Aug-98 19:55 Triangle Laboratories, Inc. (919) 544-5729
Sample: T-0-1-1-A T 214-1-64 TLM6297 Instrument F



Data Review: *MR*
Date: 8/19/98

| No. | MAT | FDR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|--------------------|---------|------------------|-----|---------------------------------|
| 1 | 92 | 54 | 93 | 1 | 2755456 | bb | 5.301 | 163 | Pentafluorobenzene |
| 2 | 100 | 80 | 93 | 0 | 3023020 | bv | 6.071 | 114 | 1,4-Difluorobenzene |
| 3 | 81 | 54 | 76 | 0 | 2569344 | bv | 10.351 | 117 | Chlorobenzene-d5 |
| 4 | 57 | 15 | 77 | 2 | 1465753 | bv | 15.732 | 162 | 1,4-Dichlorobenzene-d4 |
| 5 | 93 | 50 | 99 | 0 | 1083228 | bb | 5.181 | 113 | Dibromofluoromethane |
| 6 | 95 | 68 | 87 | 1 | 4134235 | bv | 8.001 | 98 | Toluene-d8 |
| 7 | 61 | 56 | 61 | 0 | 1659809 | vv | 12.651 | 95 | 4-Bromo fluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | Dichlorodifluoromethane |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 50 | Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | Vinyl Chloride |
| 11 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 | Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 64 | Chloroethane |
| 13 | 73 | 40 | 85 | -2 | 62552 | Hb | 2.030 | 101 | Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 96 | 1,1-Dichloroethane |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 142 | Iodomethane |
| 16 | 78 | 51 | 73 | 0 | 141760 | bb | 2.770 | 76 | Carbon disulfide |
| 17 | 85 | 47 | 92 | -1 | 70390 | A | 2.830 | 43 | Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Methyl methacrylate |
| 19 | 20 | 91 | 86 | -1 | 70907 | bv | 2.240 | 44 | diethylamine-d10 |
| 20 | 29 | 12 | 39 | -4 | 70907 | A | 2.240 | 53 | acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 26 | trans-1,2-Dichloroethane |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 65 | 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 45 | Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 77 | 2,2-Dichloropropane |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 96 | cis-1,2-Dichloroethane |
| 26 | 59 | 44 | 53 | 2 | 33804 | A | 4.751 | 43 | 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 | Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Bromochloromethane |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 | Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,1-Dichloropropene |
| 32 | 100 | 91 | 99 | 0 | 1253466 | bv | 5.521 | 78 | Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 130 | Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,2-Dichloropropane |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 93 | Dibromomethane |
| 37 | 47 | 45 | 56 | -11 | 1400114 | A | 4.801 | 41 | Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | cis-1,3-Dichloropropene |
| 40 | 34 | 15 | 47 | 5 | 718320 | A | 8.011 | 43 | 4-methyl-2-pentanone |
| 41 | 100 | 87 | 98 | 0 | 3128788 | vv | 8.091 | 92 | Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,3-Dichloropropene |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,2-Trichloroethane |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 69 | Ethyl methacrylate |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 164 | Tetrachloroethane |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | 1,3-Dichloropropane |
| 47 | 42 | 24 | 64 | -10 | 2213356 | vv | 7.251 | 43 | 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 129 | Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 107 | 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | Chlorobenzene |

~~70907~~ m8/19/98
~~70907~~ 3.262
 TP

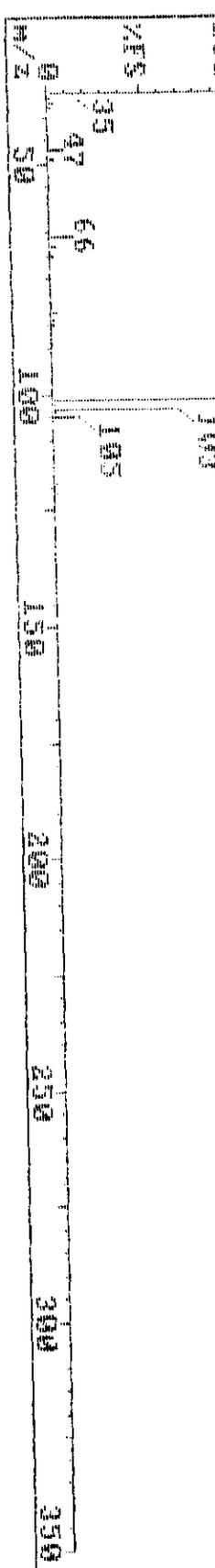
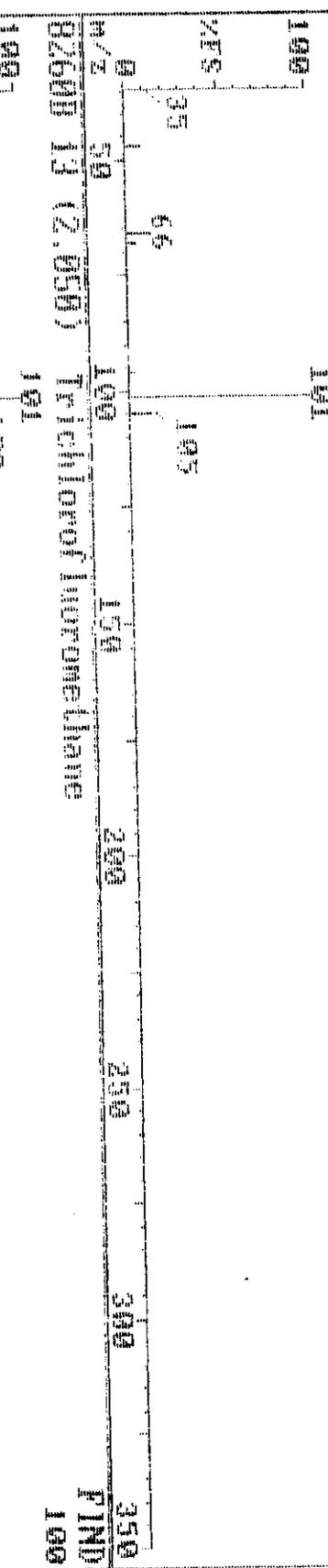
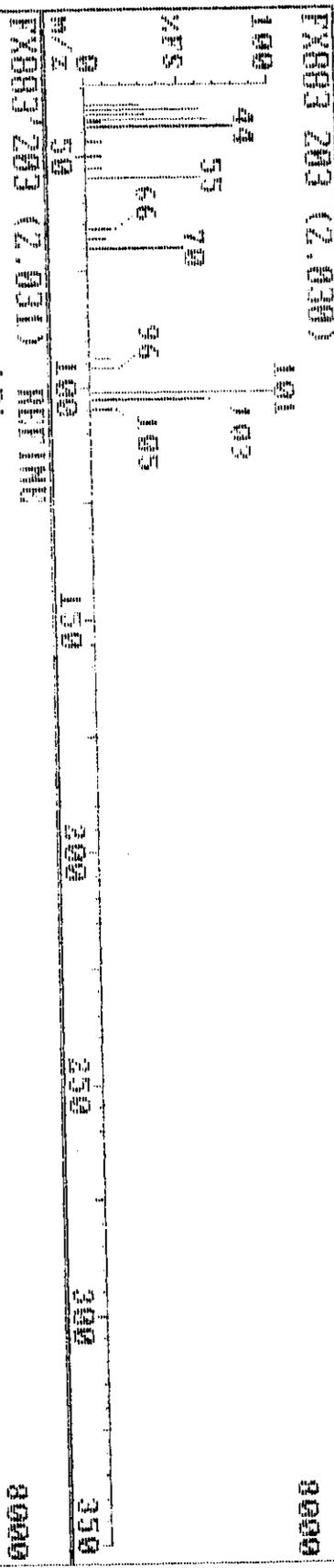
Data Review: *ML*
 Date: 8/19/98

| No. | MAT | FOR | REV | DEL | LA | Area | P | Flags | RT | QM | Name |
|-----|-----|-----|-----|-----|----------|------|---|-------|--------|-----|-----------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 131 | 1,1,1,2-Tetrachloroethane |
| 52 | 87 | 55 | 86 | 0 | 86.1070 | bv | | | 10.681 | 106 | Ethylbenzene |
| 53 | 97 | 66 | 89 | 0 | 556.5136 | vv | | | 10.921 | 106 | m-/p-Xylene |
| 54 | 92 | 61 | 89 | 0 | 16.19648 | bv | | | 11.651 | 106 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 173 | Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 85 | 1,1,2,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 75 | 1,3,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 120 | n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 75 | trans-1,4-Dichloro-2-butene |
| 63 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 126 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 126 | 4-Chlorotoluene |
| 65 | 40 | 46 | 92 | -24 | 9975965 | vv | | | 13.571 | 105 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 119 | tert-butylbenzene |
| 67 | 90 | 51 | 93 | 0 | 10394200 | vv | | | 14.302 | 105 | 1,2,4-Trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 105 | sec-butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 119 | p-lymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 146 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 91 | Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 91 | n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 75 | 1,2-Dibromo-3-chloropropane |
| 76 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 180 | 1,2,4-Trichlorobenzene |
| 77 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 225 | Hexachlorobutadiene |
| 78 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 128 | Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | | | 0.000 | 180 | 1,2,3-Trichlorobenzene |

| No. | MAT | FOR | REV | Delta | Area | P.L.Flags | RT | QM | Name | |
|-----|-----|-----|-----|-------|-------------------|---------------|------------------|---------------|------------------------|----------------------------|
| 1 | 92 | 54 | 93 | 1 | 2785456 | bb | 5.301 | 168 | Pentafluorobenzene | |
| 2 | 100 | 80 | 93 | 0 | 3023020 | bv | 6.071 | 114 | 1,4-Difluorobenzene | |
| 3 | 81 | 54 | 76 | -1 | 2569544 | bv | 10.351 | 117 | Chlorobenzene-d5 | |
| 4 | 58 | 15 | 77 | 0 | 1463755 | bv | 15.732 | 152 | 1,4-Dichlorobenzene-d4 | |
| 5 | 93 | 50 | 99 | 0 | 1083228 | bb | 5.181 | 113 | Dibromofluoromethane | |
| 6 | 97 | 68 | 87 | 0 | 4184235 | bv | 8.001 | 98 | Toluene-d8 | |
| 7 | 59 | 36 | 61 | -1 | 1659809 | vv | 12.751 | 95 | 4-Bromofluorobenzene | |
| 8 | 65 | 41 | 72 | 5 | 51285 | bb | 1.270 | FP | 39 | 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | | 106 | Vinyl bromide |
| 10 | 68 | 50 | 59 | 0 | 1206 | A | 3.500 | FP | 73 | MTBE |
| 11 | 100 | 95 | 99 | 0 | 1917848 | bv | 5.880 | 57 | n-Hexane | |
| 12 | 54 | 40 | 57 | 7 | 251279 | bv | 4.400 | FP | 42 | 1,2-Epoxybutane |
| 13 | 61 | 43 | 54 | 0 | 357612 | A | 3.791 | FP | 57 | Is-Octane |
| 14 | 43 | 28 | 70 | -13 | 275235 | bb | 4.001 | FP | 35 | Ethyl acrylate |

M 8/19/98

17-Aug-98 19:55 Triumbe Laboratories, Inc. (919) 544-5729 Instrument F
 Sample: 1-U-1-1-1 T 214-1-60 TM46237



17-Aug-98 19:55

Triangie Laboratories, Inc. (919) 544-5729

Sample: T-U-1-1-0 T 214-1-60 T1146297

Instrument P

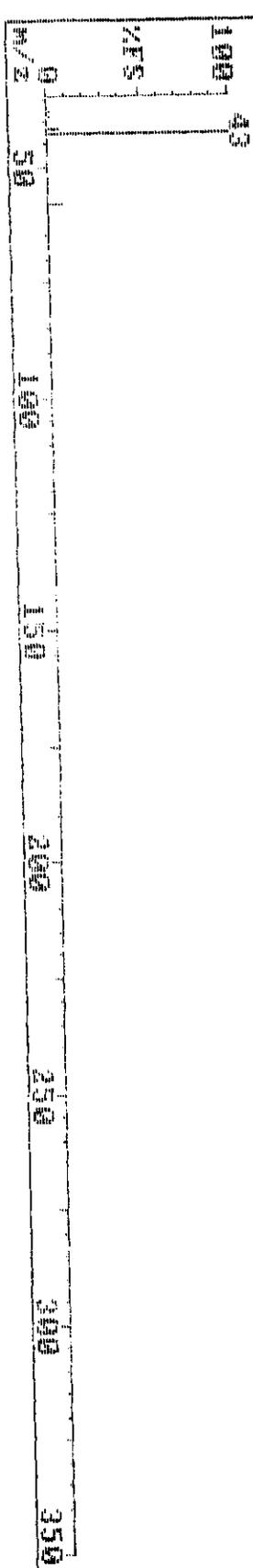
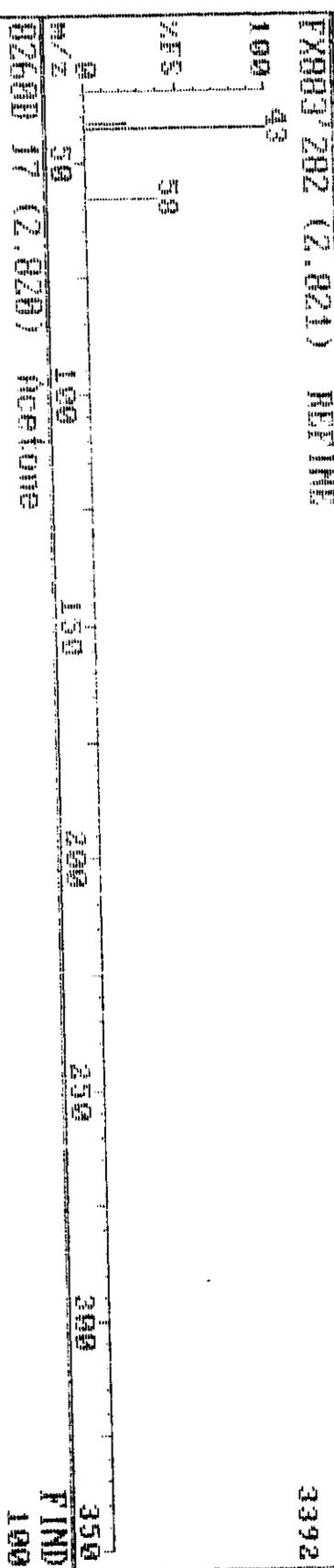
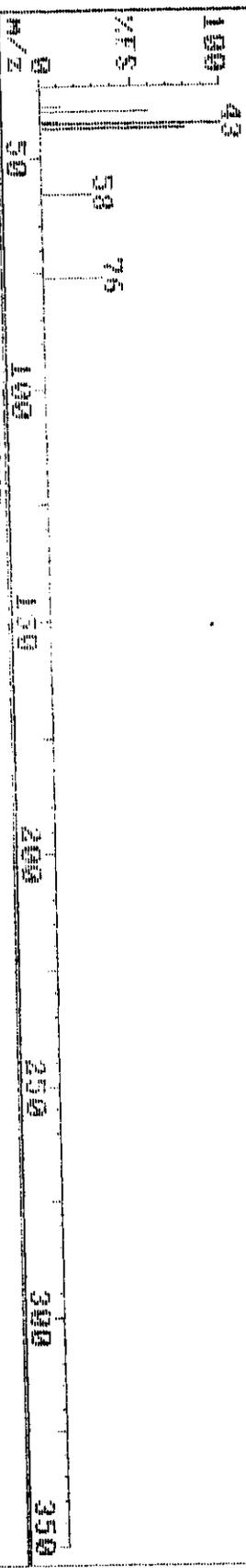
EX083 277 (2.770)



17-Aug-98 19:55 Triangle Laboratories, Inc. (919) 544-5729 Instrument F

Sample: 1-U-1-1-A 1 214-1-00 11/14/97

FX003 282 (2.820) 6080



17-Aug-98 19:55

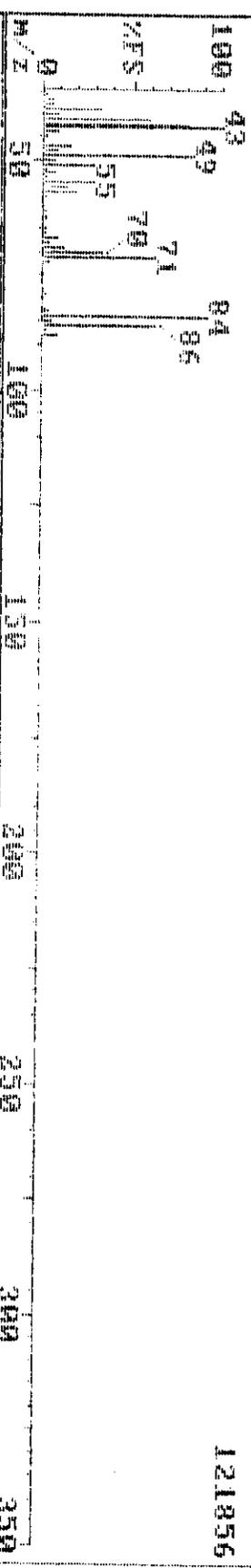
Triangulo Laboratories, Inc. (919) 544-5729

Sample: T-U-1-1-A T 214-1-60 MH4297

Instrument F

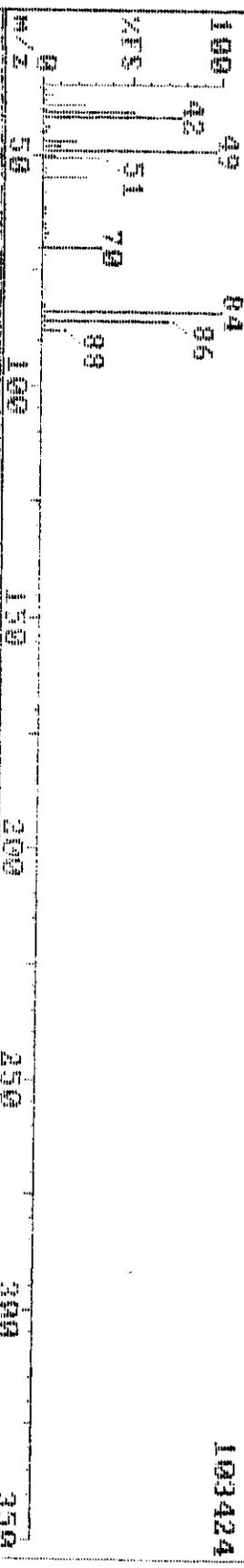
FM09 326 (3.260)

121856



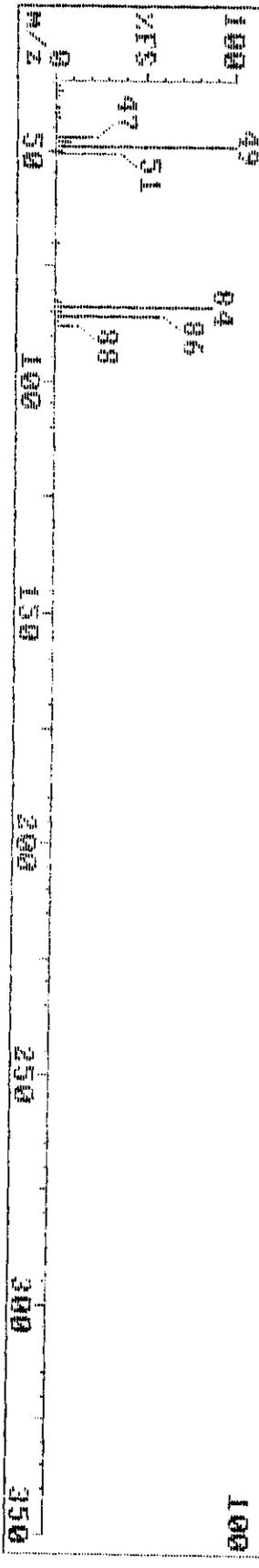
FM09 326 (3.261) REFINE

103424

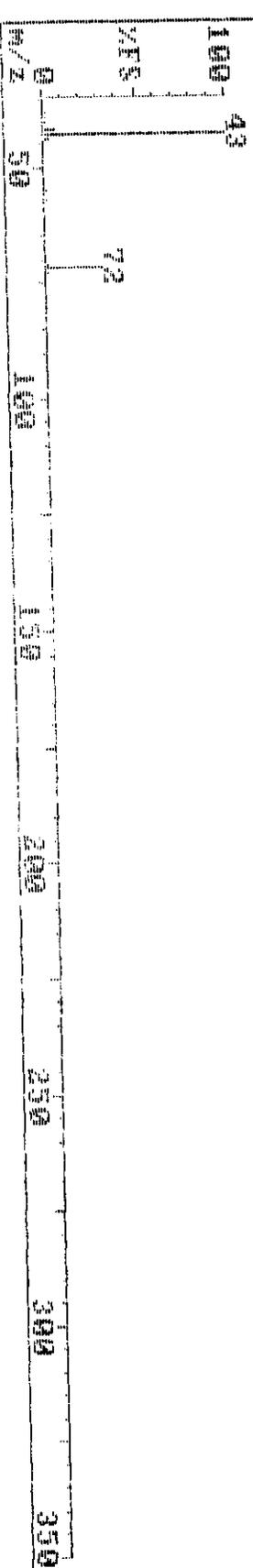
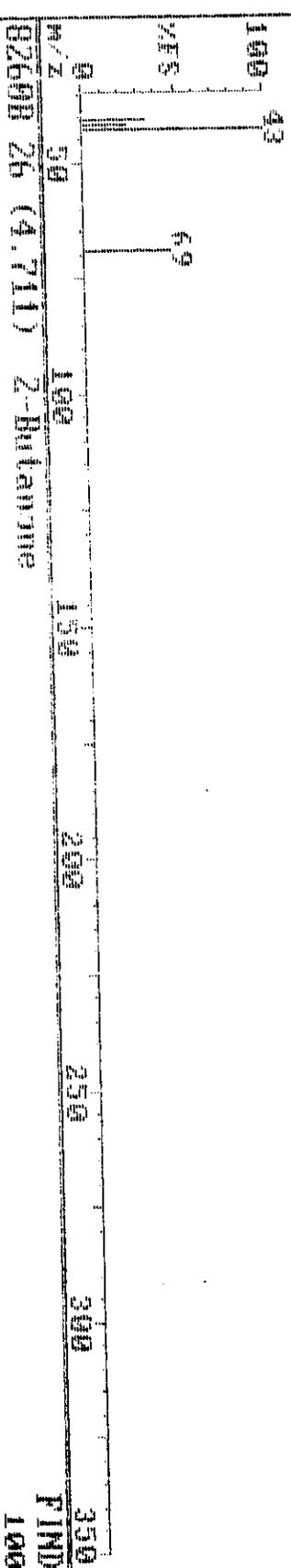
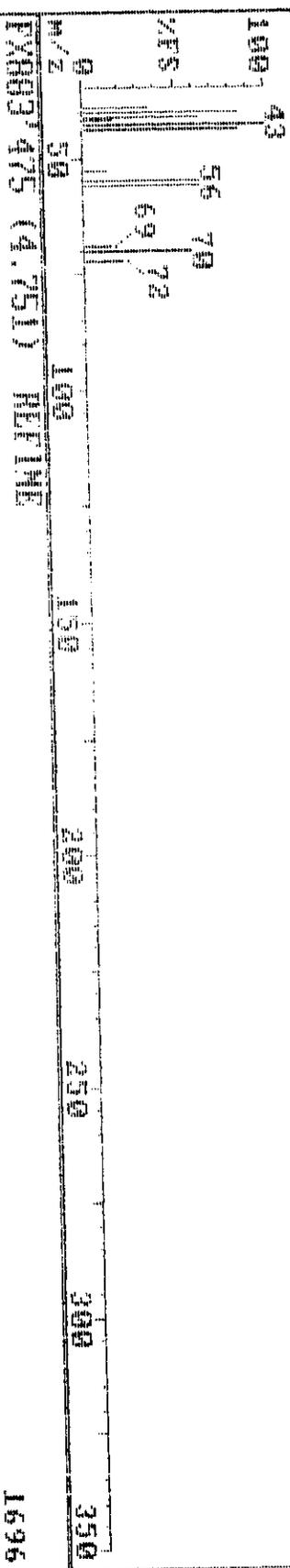


02600 19 (3.260) Methylene chloride

FOUND 100



17-Aug-98 19:55 Triangle Laboratories, Inc. (919) 544-5729 Instrument F
 Sample: T-U-1-1-A T 214-1-0 T114627
 FX093 475 (4.751) 4352



17-Aug-90 19:55

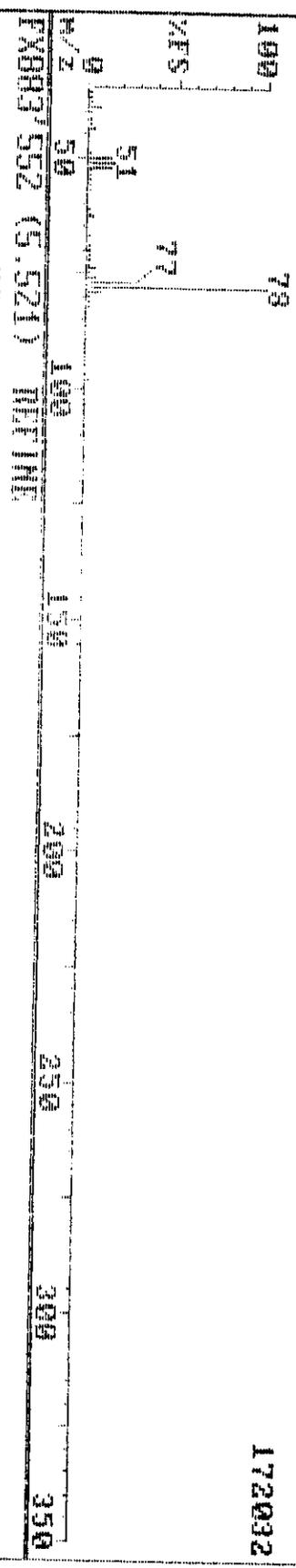
Triunfo Laboratories, Inc. (919) 544-5729

Sample: T-U-1-A 1 214-1-A T1146797

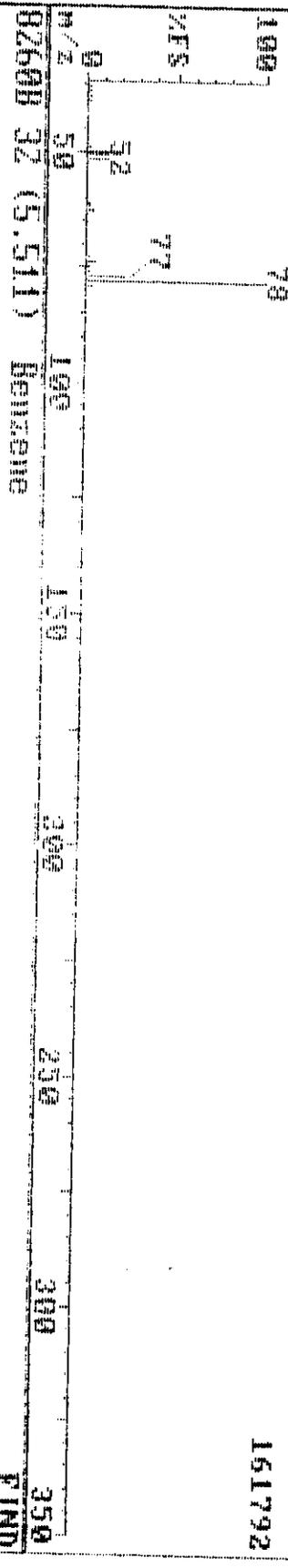
Instrument F

FY803 552 (5.521)

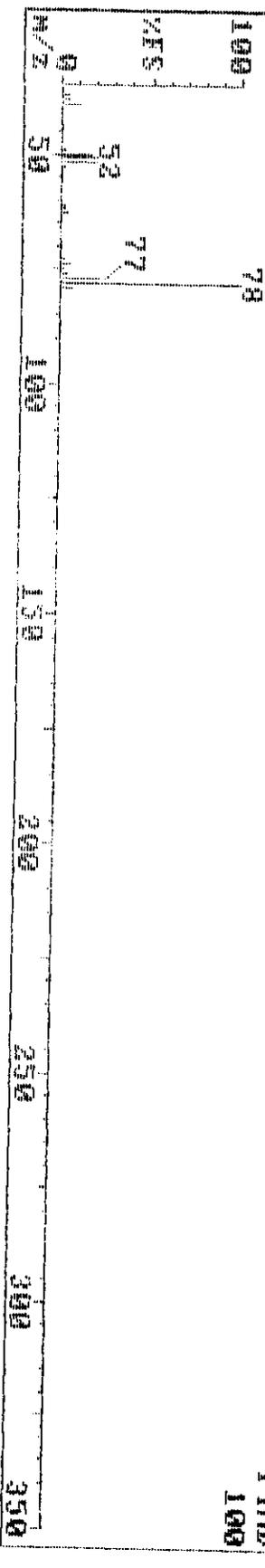
172032



161792



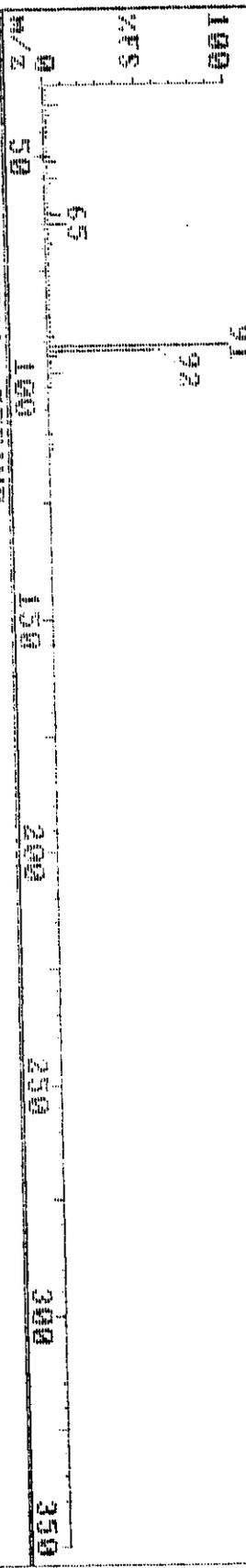
FIND 100



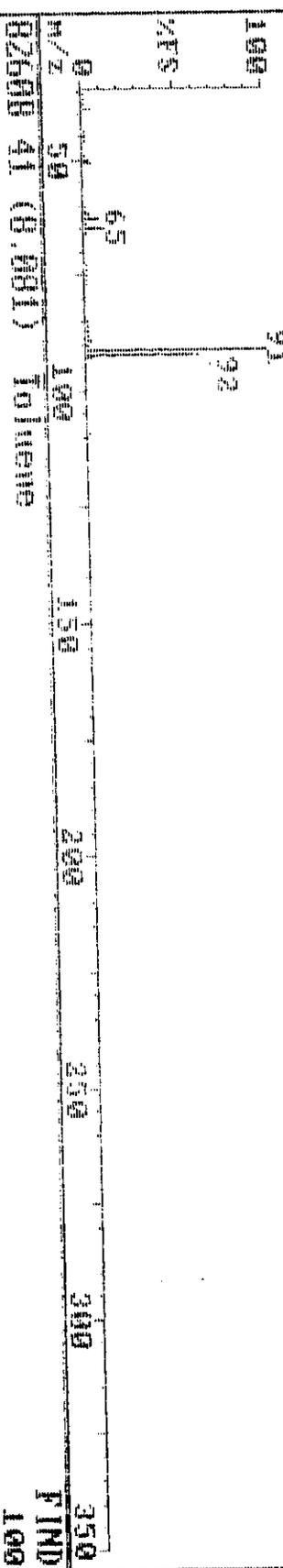
17-Aug-98 19:55 Triango Laboratories, Inc. (919) 544-5729 Instrument F

Sample: T-0-1-1-A T 214-1-6A T144297

EX083 009 (0.891) 6922224



EX083 009 (0.891) REFINE 630784



02600 41 (0.101) Toluene FIND 100

17-Aug-98 19:55

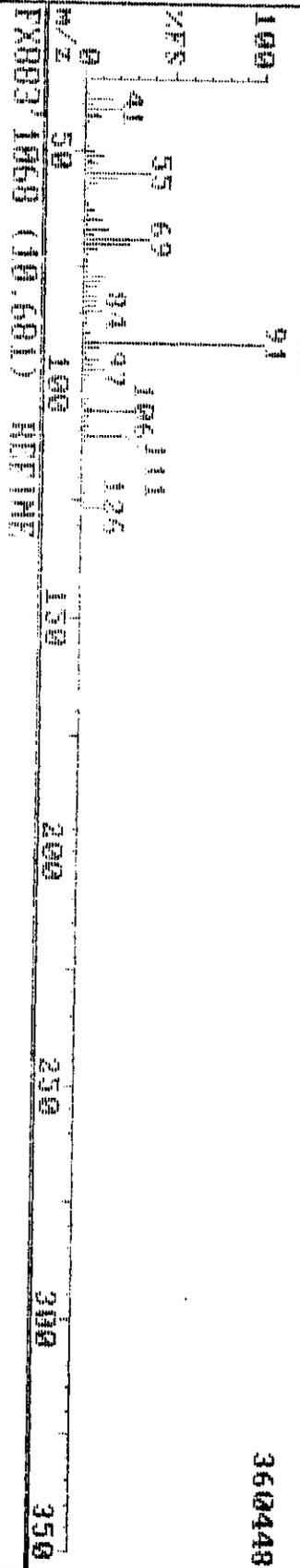
Triunfo Laboratories, Inc. (919) 544-5729

Sample: T-4-1-1-A T 244-1-64 T1144297

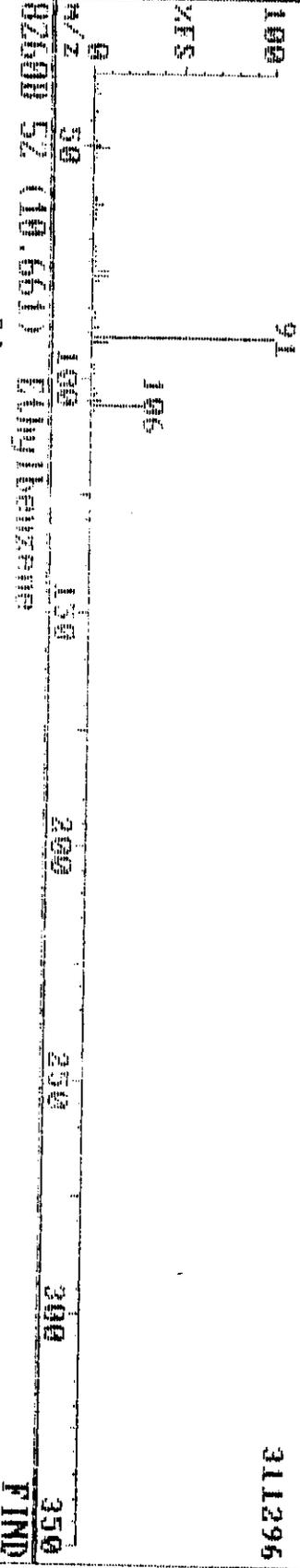
Instrument: F

FX803 1660 (10.601)

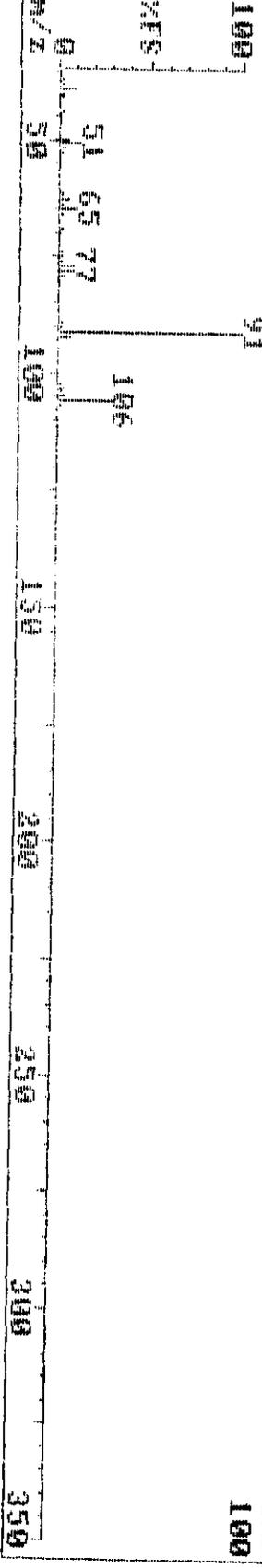
360448



311295



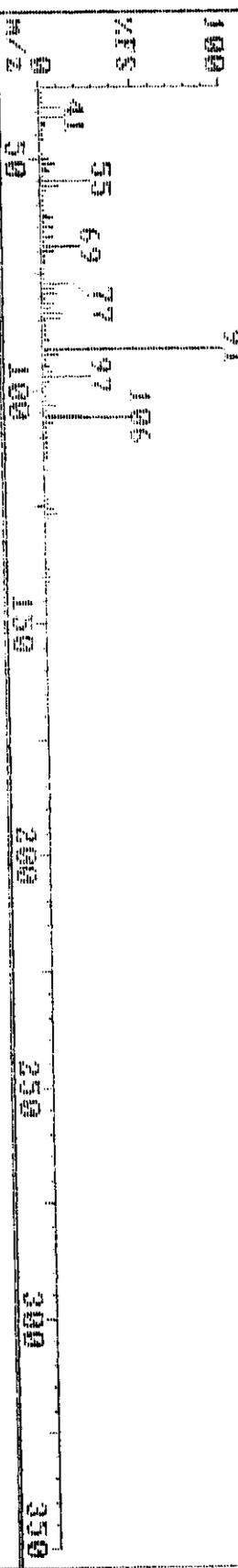
FIND 100



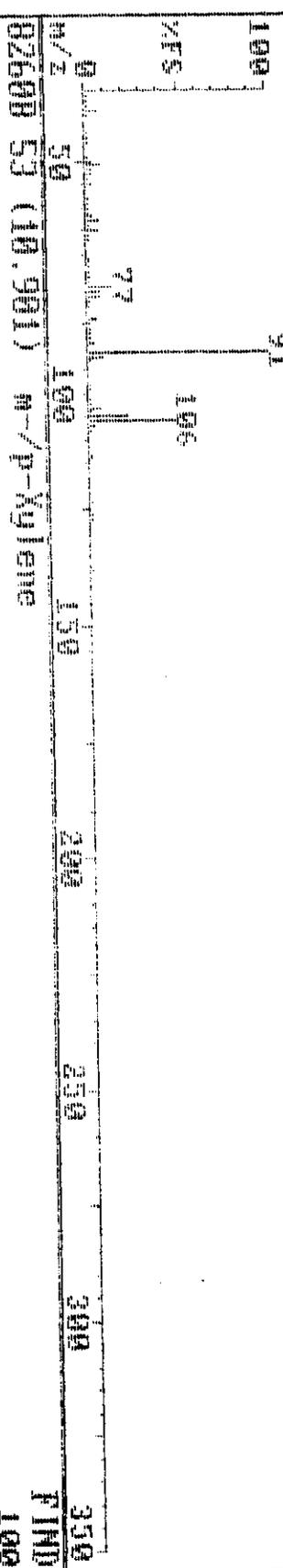
17-Aug-98 19:55 Triangle Laboratories, Inc. (919) 544-5729 Instrument F

Sample: T-U-1-1-A 1 214-1-00 T1146297

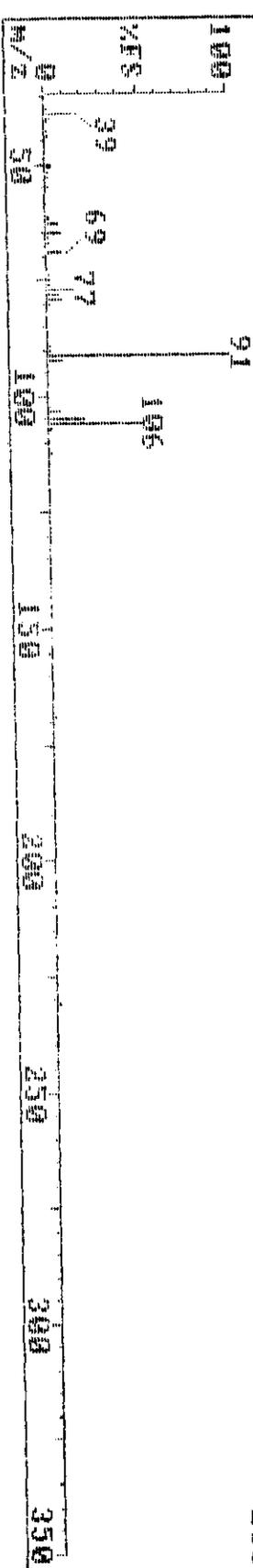
PX083 1092 (10.921) 1458176



1277952



FIND 100



17-Aug-98 19:55

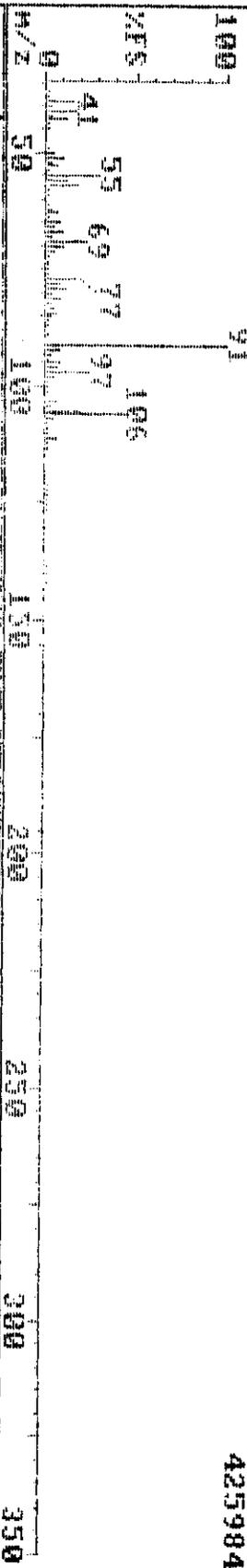
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-4-1-1-A T 214-1-6A BU146297

Instrument F

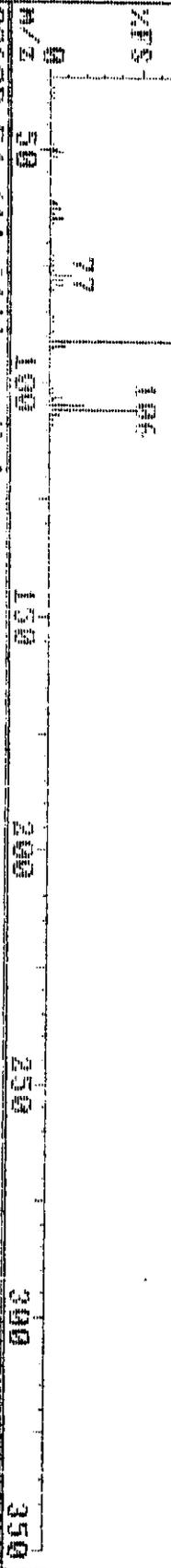
PX803 163 (11.631)

425984



PX803 163 (11.631) REFERENCE

364544



BZ600 54 (11.611) O-xylene

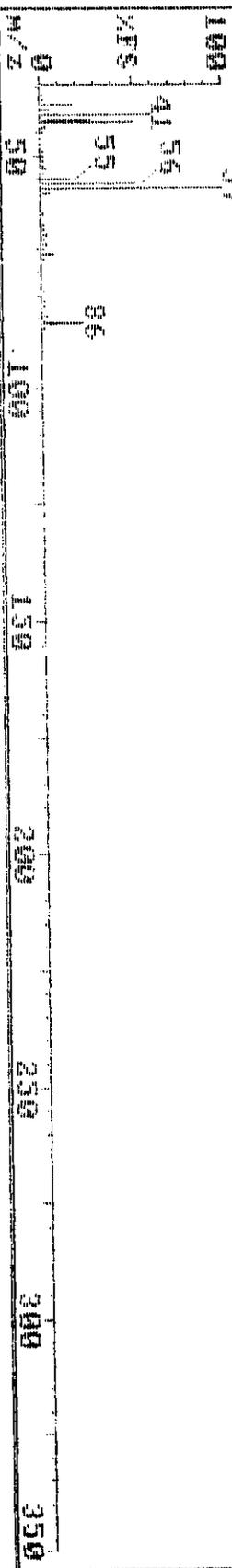
FTND 100



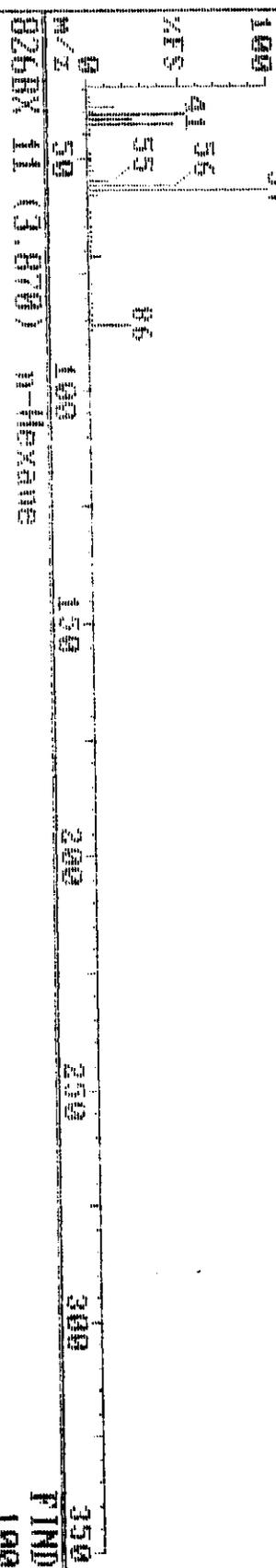
17-Aug-90 10:55 Triangle Laboratories, Inc. (919) 544-5729 Instrument F

Sample: 1-U-1-1-A 1 24-1-60 1144297

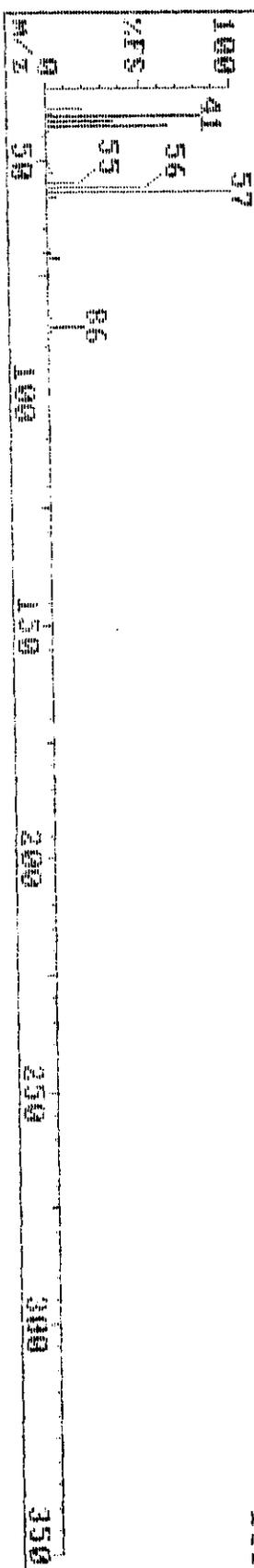
FX003 300 (3.000) 266240



249856



FIND 100



Pacific Environmental Services

Project Number: 46297

Sample File: FX879

Method 8260 VOST
Sample ID: T-V-1-1-B TC

Client Project: Hotmix
TLI ID: 214-1-6B

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | 0.075 | | 1.08 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.056 | | 1.65 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | | U | | 0.001 | 0.05 |
| Allyl chloride | | U | | 0.004 | 0.05 |
| Methylene chloride | 0.153 | | 3.27 | 0.001 | 0.05 |
| Acrylonitrile | | U | | 0.016 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | 0.05 |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | | U | | 0.001 | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX879

Method 8260 VOST
Sample ID: T-V-1-1-B TC

Client Project: Hotmix
TLI ID: 214-1-6B

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.004 | 0.05 |
| Toluene | 0.020 | BJ | 8.09 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.002 | 0.05 |
| Chlorobenzene-d ₃ | | IS 3 | 10.35 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.006 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.003 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.71 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.003 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46297

Sample File: FX879

Method 8260 VOST
Sample ID: T-V-1-1-B TC

Client Project: Hotmix

TLI ID: 214-1-6B

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed: 08/17/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.249 | 5.18 | 1 | 100 |
| Toluene-d ₈ | 0.305 | 8.00 | 2 | 122 |
| 4-Bromofluorobenzene | 0.282 | 12.65 | 2 | 113 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
 Sample File: FX879

Method 8260 VOST
 Sample ID: T-V-1-1-B TC

Client Project: Hotmix
 TLI ID: 214-1-6B

Date Received: 07/25/98

Response File: ICALF817

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | 0.001 | J | 3.90 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.011 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.003 | 0.25 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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 Printed: 18:00 08/24/1998

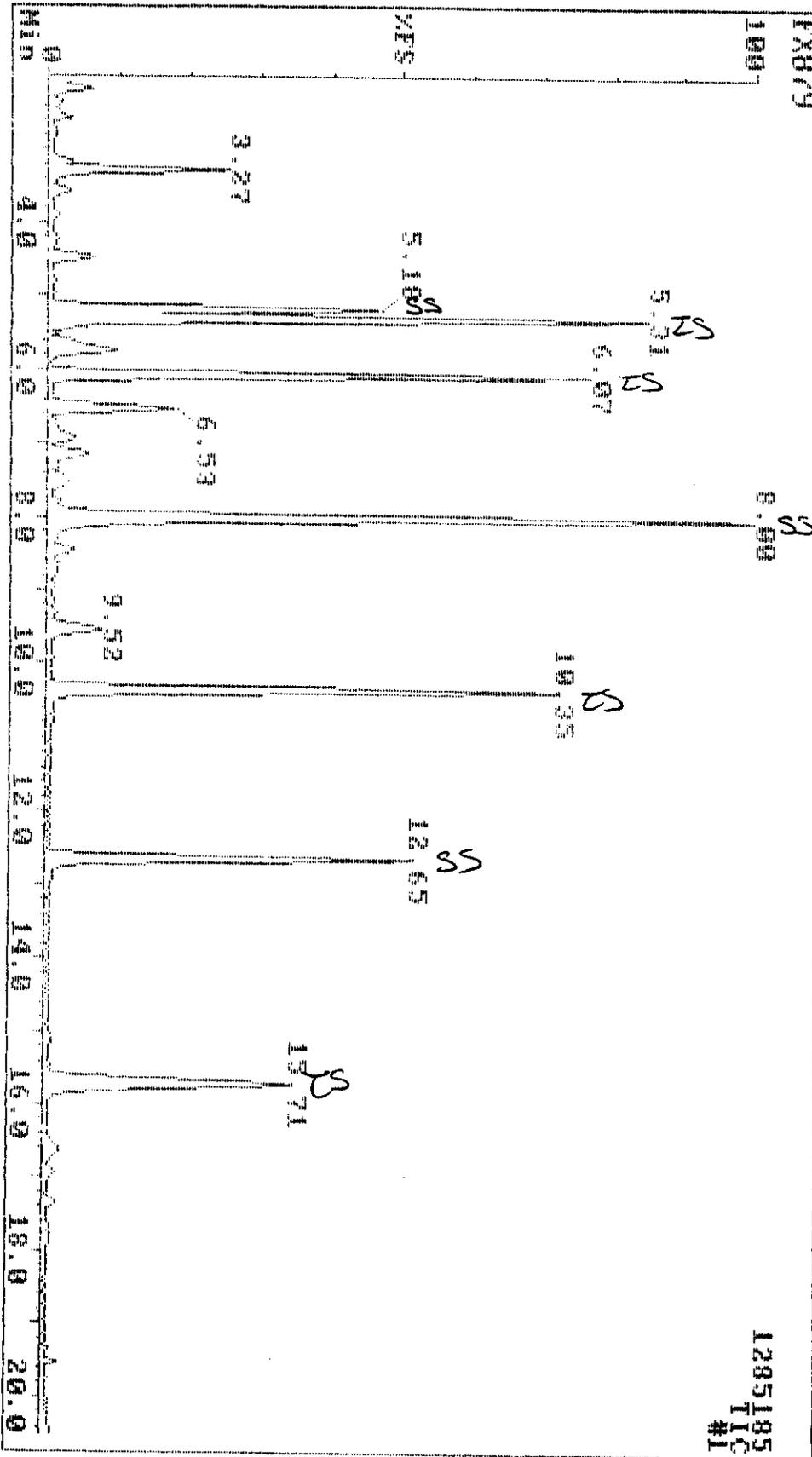
17-Aug-98 16:47

Triangle Laboratories, Inc.

(919) 544-5729

Sample: T-V-1-1-B IC 214-1-50 T1146297

Instrument F



Data Review: *M*
Date: 8/19/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name | |
|-----|-----|-----|-----|-------|------------------|---------------|------------------|---------------|---------------------------|----------------------|
| 1 | 100 | 78 | 99 | 1 | 2574448 | bb | 5.501 | 163 | Pentafluorobenzene | |
| 2 | 100 | 97 | 99 | 0 | 2726140 | bv | 6.071 | 114 | 1,4-Difluorobenzene | |
| 3 | 100 | 95 | 95 | 0 | 2355716 | bv | 10.551 | 117 | Chlorobenzene-d5 | |
| 4 | 100 | 76 | 100 | 0 | 860176 | bv | 15.712 | 150 | 1,4-Dichlorobenzene-d4 | |
| 5 | 100 | 84 | 99 | 0 | 1077964 | bv | 5.183 | 115 | Dibromofluoromethane | |
| 6 | 100 | 91 | 97 | 1 | 3394004 | bv | 3.001 | 98 | Toluene-d8 | |
| 7 | 100 | 91 | 93 | 0 | 1044408 | bv | 12.651 | 95 | 4-Bromofluorobenzene | |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 88 | Dichlorodifluoromethane | |
| 9 | 97 | 77 | 82 | 1 | 263316 | A | 1.080 | 50 | Chloromethane | |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | Vinyl Chloride | |
| 11 | 86 | 62 | 86 | 3 | 101590 | bv | 1.650 | 94 | Bromomethane | |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 64 | Chloroethane | |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 101 | Trichlorofluoromethane | |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 90 | 1,1-Dichloroethane | |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 140 | Iodomethane | |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 70 | Carbon Chloride | |
| 17 | 59 | 12 | 85 | 2 | 12400 | A | 2.525 | FP | 43 | Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Allyl Chloride | |
| 19 | 100 | 76 | 82 | 0 | 572588 | bv | 3.270 | 54 | Methylene Chloride | |
| 20 | 7 | 7 | 7 | -7 | 1597 | A | 7.574 | FP | 55 | Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 26 | trans-1,2-Dichloroethene | |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 60 | 1,1-Dichloroethane | |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 40 | Vinyl Acetate | |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 71 | 2,2-Dichloropropane | |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 28 | cis-1,2-Dichloroethene | |
| 26 | 21 | 13 | 13 | 4 | 4472 | A | 4.771 | FP | 13 | 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 25 | Chloroform | |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Bromochloromethane | |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,1-Trichloroethane | |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 | Carbon Tetrachloride | |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,1-Dichloropropene | |
| 32 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 78 | Benzene | |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | 1,2-Dichloroethane | |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 130 | Trichloroethene | |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 65 | 1,2-Dichloropropane | |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 23 | Dibromomethane | |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Methyl methacrylate | |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | Bromodichloromethane | |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | cis-1,3-Dichloropropene | |
| 40 | 36 | 4 | 61 | 5 | 21340 | bv | 3.911 | FP | 43 | 4-Methyl-2-pentanone |
| 41 | 100 | 74 | 92 | 0 | 158852 | bb | 8.091 | 92 | Toluene | |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,3-Dichloropropene | |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,2-Trichloroethane | |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 69 | Ethyl methacrylate | |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 164 | Tetrachloroethene | |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | 1,3-Dichloropropane | |
| 47 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 | 2-Hexanone | |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 129 | Dibromochloromethane | |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 107 | 1,2-Dibromoethane | |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | Chlorobenzene | |

Data Review: JM
Date: 8/19/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|-------|---------|--------|-----|-----------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L31 | 1,1,1,2-Tetrachloroethane |
| 52 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Ethylbenzene |
| 53 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 173 | Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 33 | 1,1,1,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 120 | n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,4-Dichloro-2-butene |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 4-Chlorotoluene |
| 65 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 119 | tert-Butylbenzene |
| 67 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,3,4-Trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 119 | p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2-Dibromo-3-chloropropane |
| 76 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 180 | 1,2,4-Trichlorobenzene |
| 77 | 78 | 50 | 87 | -4 | 18948 | bb | 19.522 | 205 | Hexachlorobutadiene |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 180 | 1,2,3-Trichlorobenzene |

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name | |
|-----|-----|-----|-----|-------|-------------------|---------------|------------------|-----|------------------------|-----------------|
| 1 | 100 | 78 | 99 | 1 | 2574448 | bb | 5.301 | 168 | Pentafluorobenzene | |
| 2 | 100 | 97 | 99 | 0 | 2726140 | bv | 6.071 | 114 | 1,4-Difluorobenzene | |
| 3 | 100 | 95 | 95 | -1 | 2355716 | bv | 10.351 | 117 | Chlorobenzene-d5 | |
| 4 | 100 | 76 | 100 | -2 | 860176 | bv | 15.712 | 152 | 1,4-Dichlorobenzene-d4 | |
| 5 | 100 | 84 | 99 | 0 | 1077964 | bv | 5.131 | 113 | Dibromofluoromethane | |
| 6 | 100 | 91 | 97 | 0 | 3394004 | bv | 8.001 | 98 | Toluene-d8 | |
| 7 | 100 | 91 | 93 | -1 | 1044408 | bv | 12.651 | 95 | 4-Bromofluorobenzene | |
| 8 | 57 | 33 | 66 | 5 | 26612 | vv | 1.370 | FP | 32 | 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | | 106 | Vinyl bromide |
| 10 | 57 | 40 | 55 | 4 | 8612 | a | 3.650 | FP | 73 | MTBE |
| 11 | 69 | 37 | 59 | 2 | 17896 | bb | 7.900 | | 57 | n-Hexane |
| 12 | 55 | 48 | 62 | 13 | 23100 | a | 4.170 | FP | 42 | 1,2-Epoxybutane |
| 13 | 64 | 47 | 57 | 1 | 51002 | a | 3.694 | FP | 57 | Iso-octane |
| 14 | 44 | 28 | 69 | -12 | 106764 | bb | 6.571 | FP | 55 | Ethyl acrylate |

WCS/19128

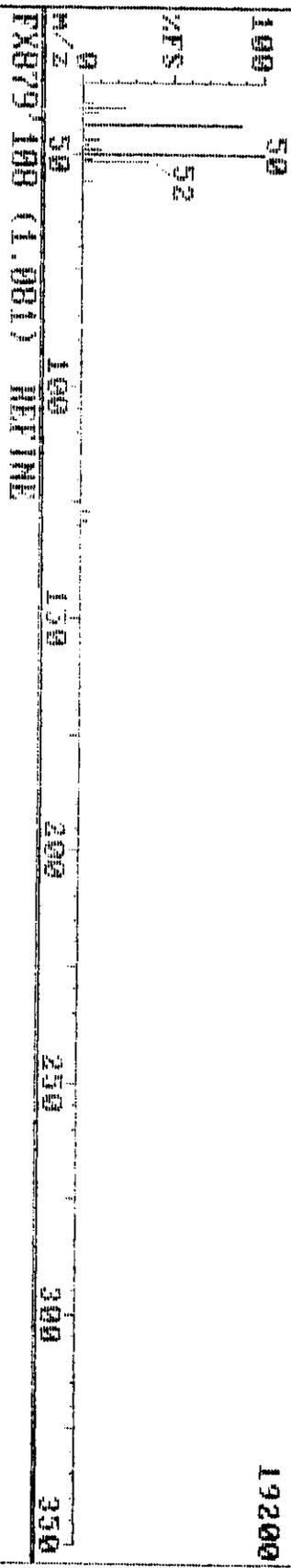
17-Aug-98 16:47

Triangle Laboratories, Inc. (919) 544-5729

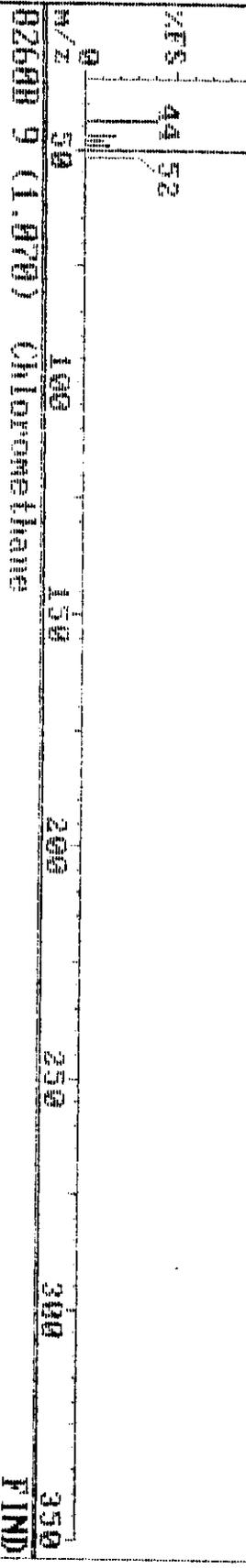
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Instrument F

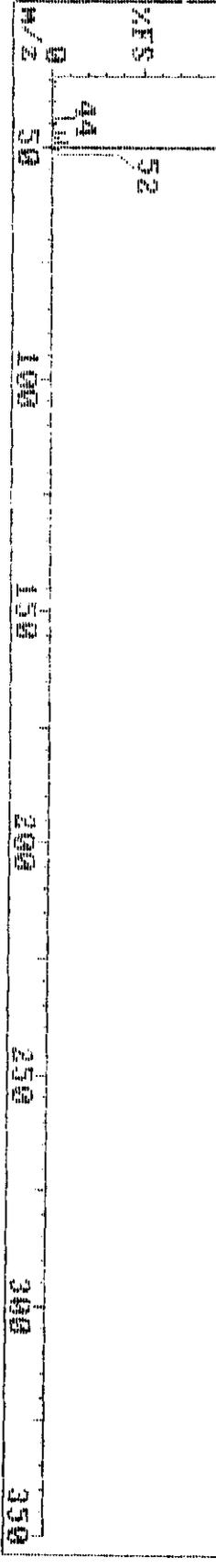
FX879 100 (1.000)



FX879 100 (1.001) HEPTANE 6720

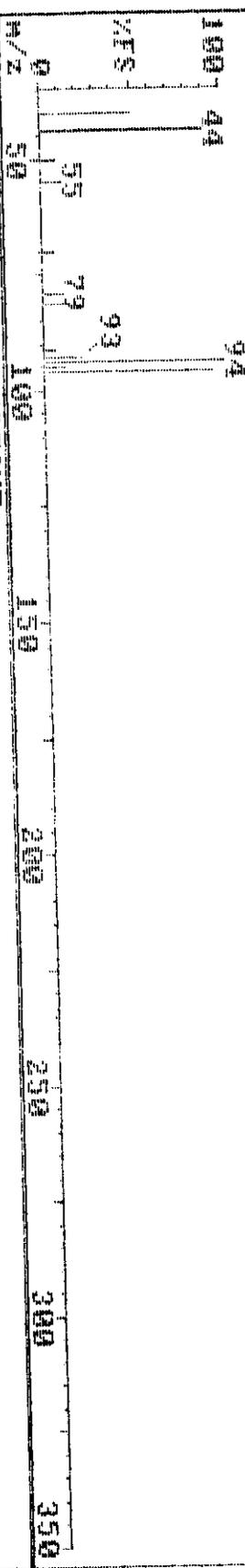


FX879 100 (1.002) CHLOROMETHANE FIND 100

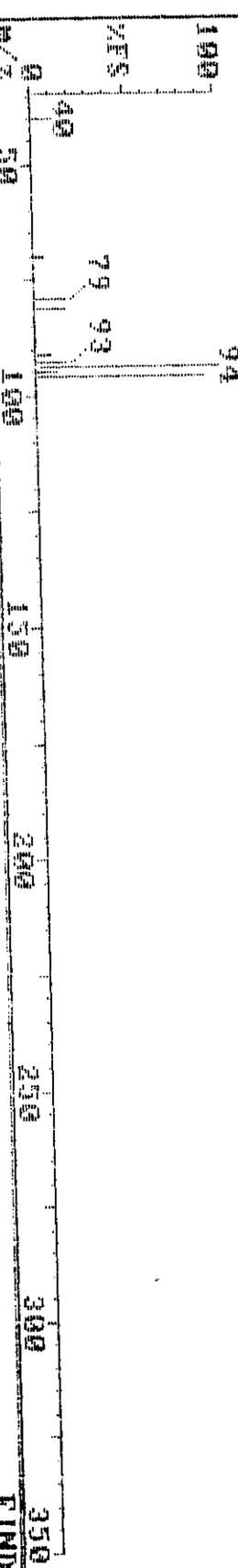


17-Aug-98 16:47 Triangle Laboratories, Inc. (919) 544-5729 Instrument F
 Sample: T-0-1-1-B IC 214-1-6B T11446297

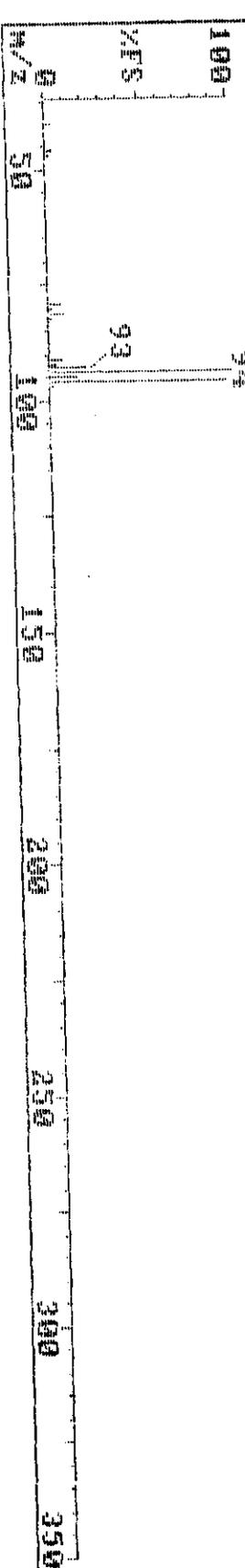
FX079 165 (1.650) 9600



FX079 165 (1.651) REFINE 7232



82608 11 (1.620) Bromomethane FIND 100



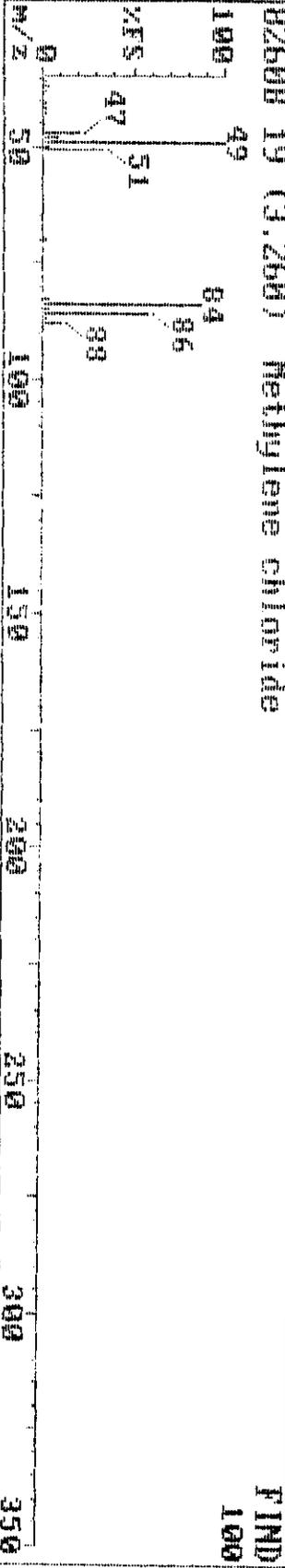
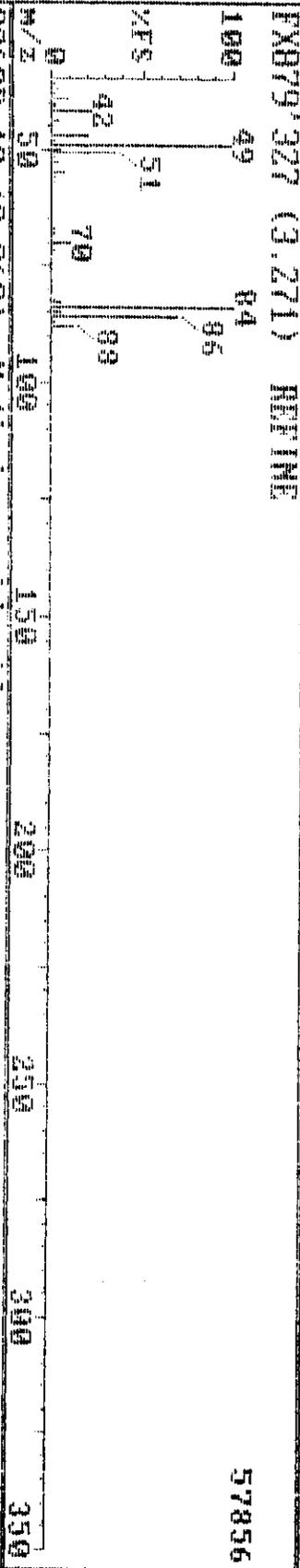
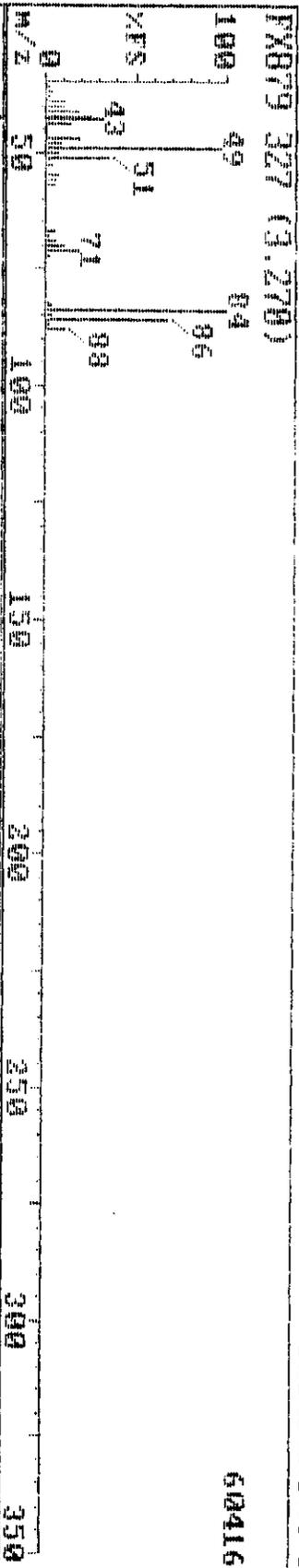
17-Aug-98 16:47

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Sample: T-U-1-B TO Z4-1-QD THH46297

Instrument F



60416

57856

FIND

100

17-Aug-98 16:47

Triangle Laboratories, Inc.

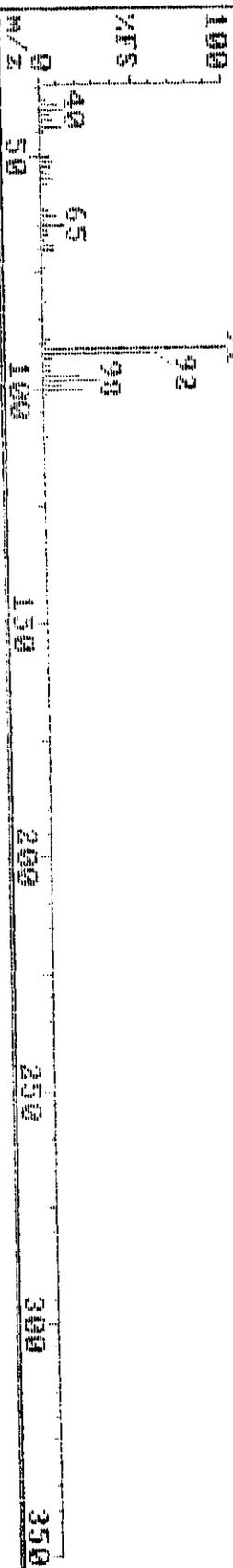
(919) 544-5729

Sample: T-U-1-1-B TO 24-1-GH 1146297

Instrument F

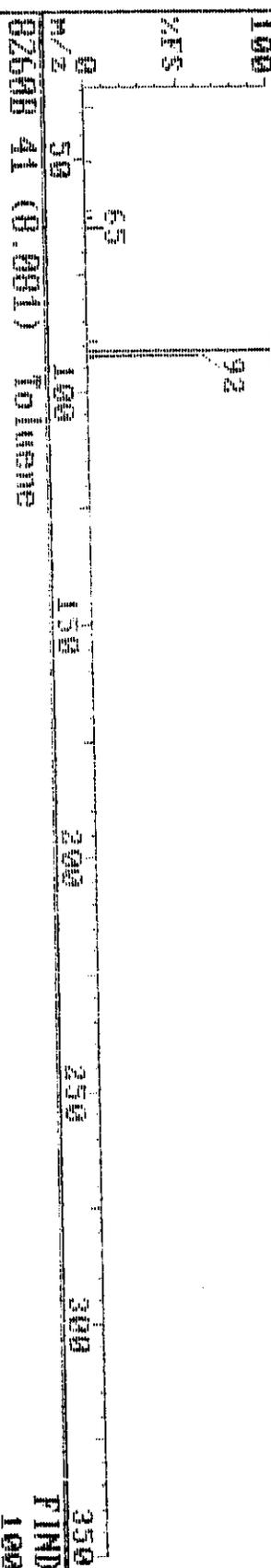
FX879 889 (0.091)

35072

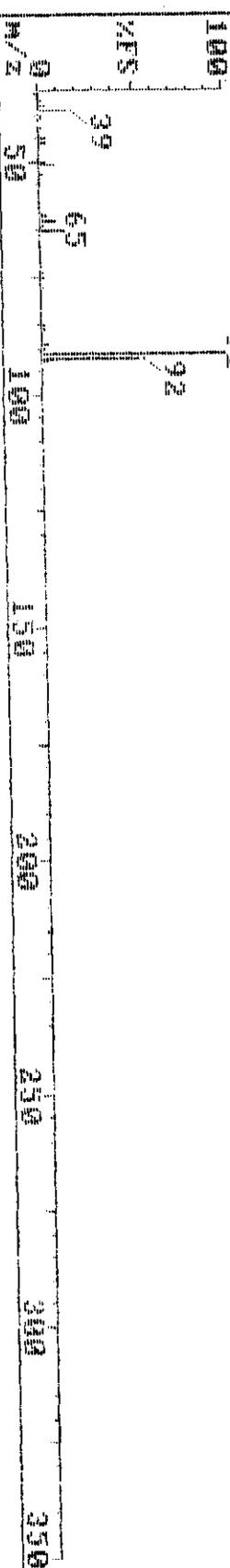


FX879 889 (0.091) HOLDING

30976



FIND 100



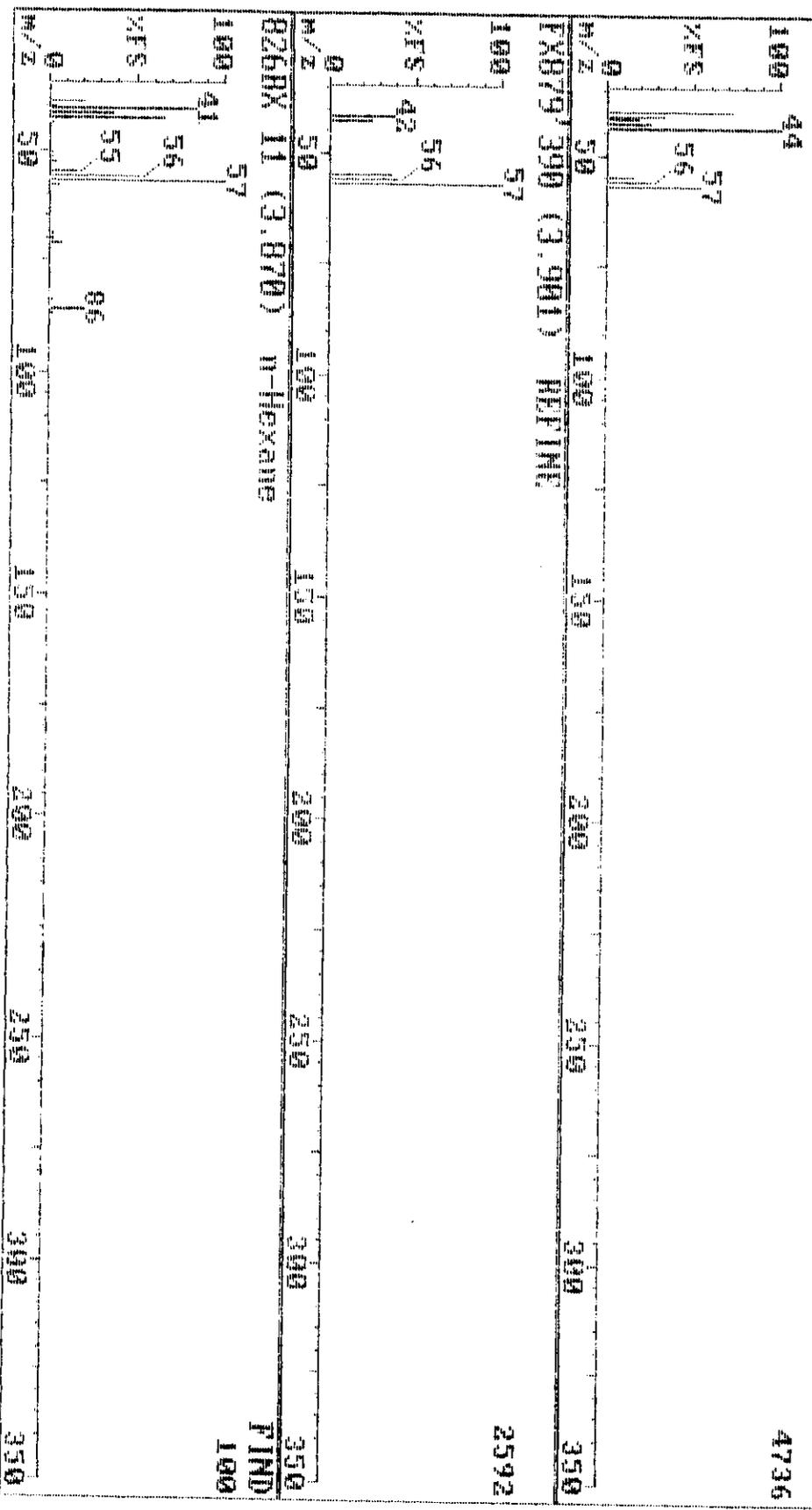
17-Aug-99 16:47

Triangle Laboratories, Inc. (919) 544-5723

Sample: T-U-1-1-B TC 214-1-58 TL146277

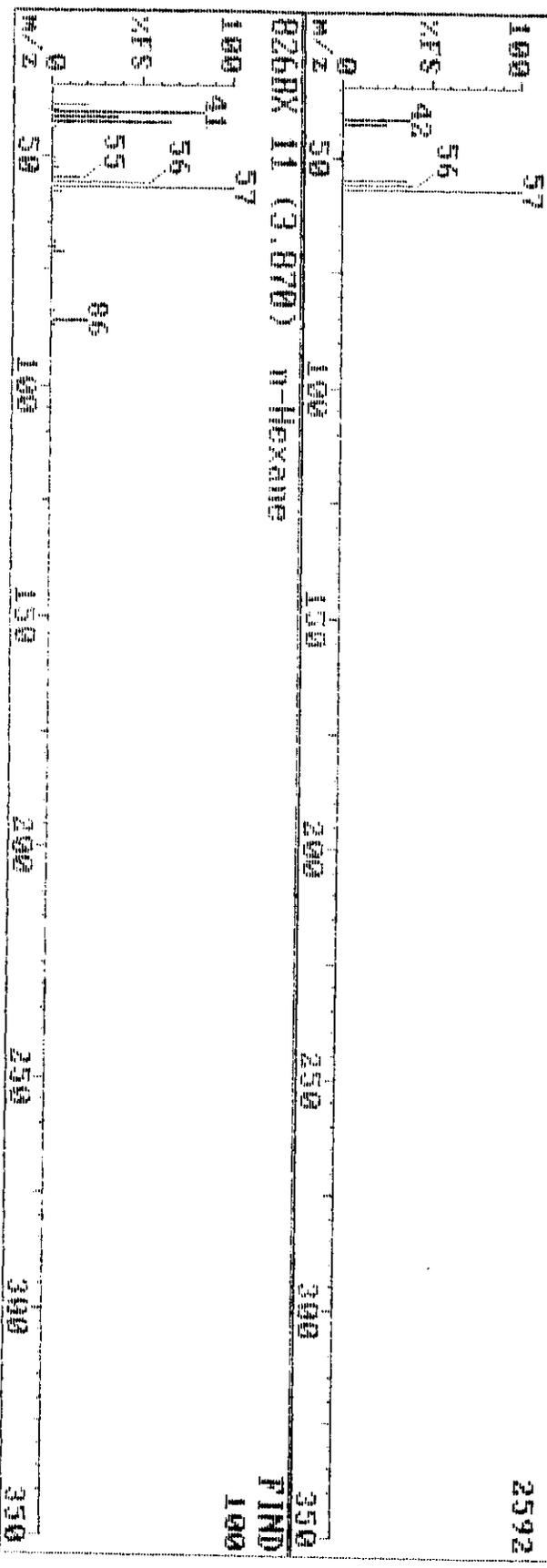
Instrument F

FX879 396 (3.960)



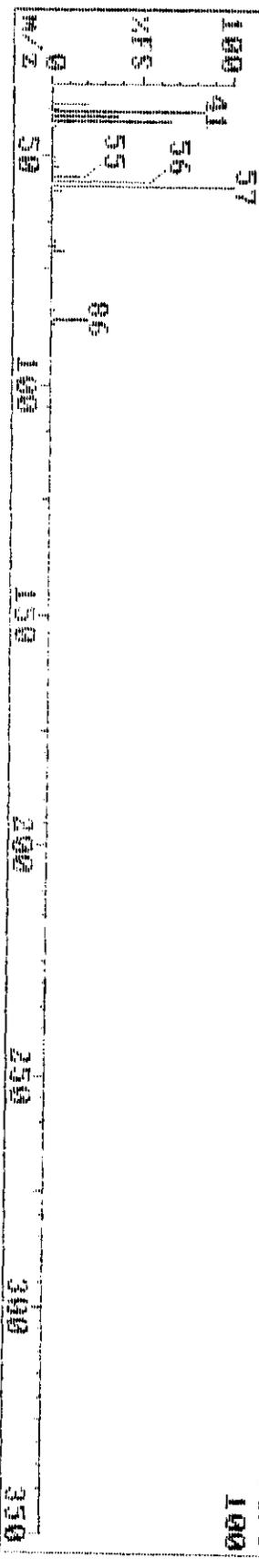
4736

FX879 390 (3.981) n-HEXANE



2592

QZBRX 11 (3.870) n-HEXANE



100

Pacific Environmental Services

Project Number: 46297
Sample File: FX895

Method 8260 VOST
Sample ID: T-V-1-2-A T

Client Project: Hotmix
TLI ID: 214-1-7A

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed : 08/18/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|----------------------|-------------|-----------|--------------------------|---------------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.007 | J | 1.61 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.013 | J | 2.78 | | 0.05 |
| Acetone | 0.204 | | 2.82 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.078 | | 3.27 | | 0.05 |
| Acrylonitrile | | U | | 0.017 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.129 | B | 5.52 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46297

Sample File: FX895

Method 8260 VOST

Sample ID: T-V-1-2-A T

Client Project: Hotmix

Date Received: 07/25/98

Response File: ICALF814

TLI ID: 214-1-7A

Date Analyzed : 08/18/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.005 | 0.05 |
| Toluene | 0.377 | B | 8.10 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.002 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.36 | | |
| Tetrachloroethene | 0.054 | | 8.93 | | 0.05 |
| 2-Hexanone | | U | | 0.006 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.128 | | 10.68 | | 0.05 |
| m-/p-Xylene | 0.677 | | 10.92 | | 0.10 |
| o-Xylene | 0.235 | | 11.64 | | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.003 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.77 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,1,2-Tetrachloroethane | | U | | 0.002 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 18:03 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX895

Method 8260 VOST
Sample ID: T-V-1-2-A T

Client Project: Hotmix
TLI ID: 214-1-7A

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed : 08/18/98

| Surrogate Summary | Amount (ng) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.229 | 5.18 | 1 | 92 |
| Toluene-d ₈ | 0.350 | 8.00 | 2 | 140 |
| 4-Bromofluorobenzene | 0.425 | 12.66 | 2 | 170 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7
Printed: 18:03 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX895

Method 8260 VOST
Sample ID: T-V-1-2-A T

Client Project: Hotmix
TLI ID: 214-1-7A

Date Received: 07/25/98

Response File: ICALF818

Date Analyzed : 08/18/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | 0.147 | J | 3.89 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.015 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.004 | 0.25 |

Reviewed by VR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

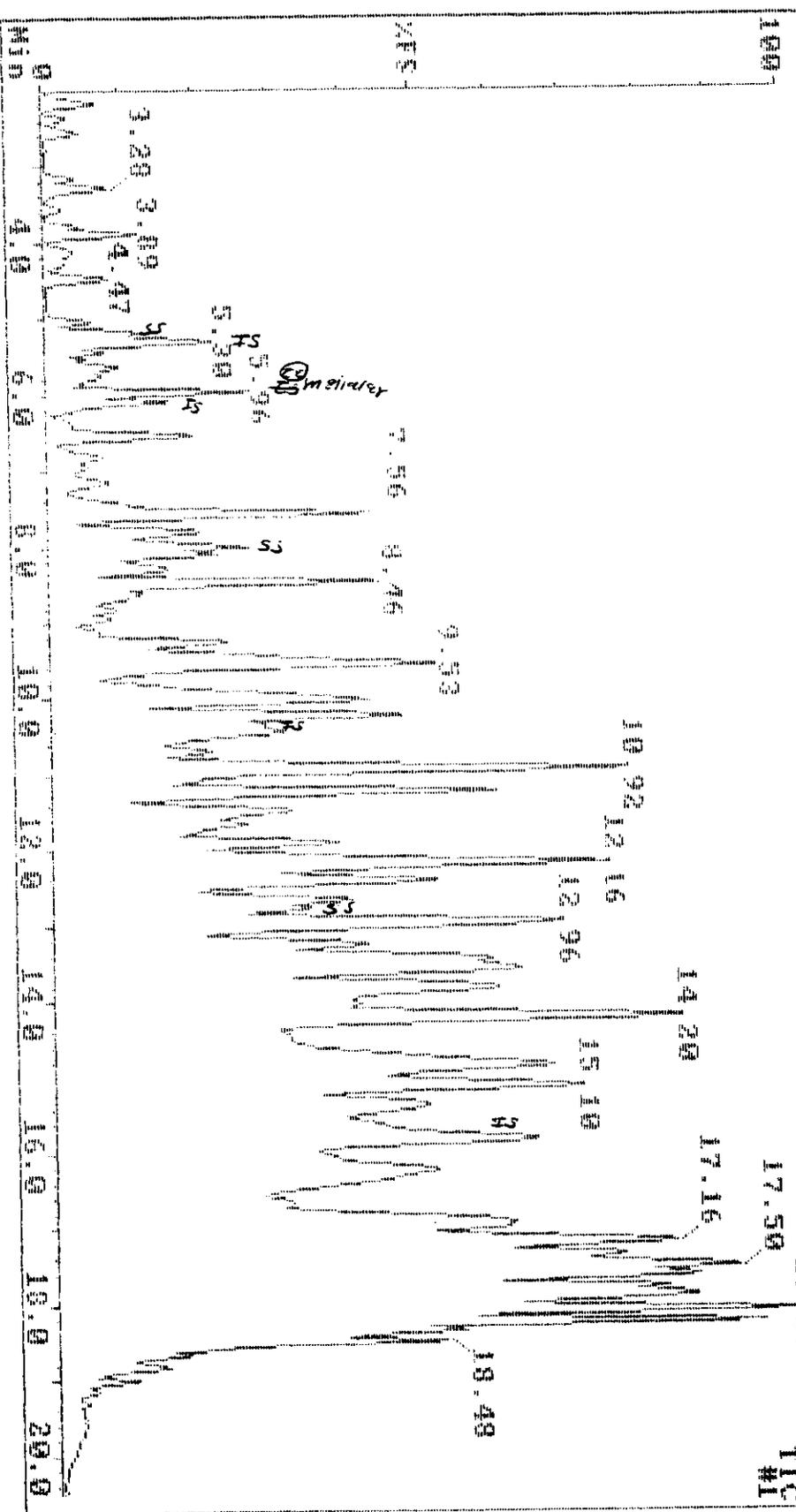
801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 18:00 08/24/1998

10-Aug-98 14:17
 Sample: T-4-1-2-A T 24-1-70 114077
 TX095
 TFWA Laboratories, Inc. (019) 544-5729
 Instrument T



| No. | MAT | FOR | REV | Delta | Area | P.L.F.Lags | RT | QM | Name | |
|-----|-----|-----|-----|-------|--------------------|---------------|------------------|---------------|-----------------------------|---------------------------------|
| 1 | 93 | 56 | 94 | 1 | 2483712 | bb | 5.301 | 168 | Pentafluorobenzene | |
| 2 | 100 | 85 | 95 | 0 | 2639904 | bv | 6.071 | 114 | 1,4-Difluorobenzene | |
| 3 | 85 | 57 | 79 | 1 | 2322196 | bv | 10.361 | 117 | Chlorobenzene-d3 | |
| 4 | 52 | 14 | 71 | 4 | 1211712 | bv | 15.772 | 152 | 1,4-Dichlorobenzene-d4 | |
| 5 | 93 | 49 | 99 | 0 | 956260 | bv | 5.131 | 113 | Dibromofluoromethane | |
| 6 | 96 | 70 | 88 | 1 | 3770672 | bv | 8.001 | 98 | Toluene-d8 | |
| 7 | 62 | 38 | 63 | 1 | 1325120 | vv | 12.861 | 95 | 4-Bromo fluorobenzene | |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | Trichloro difluoromethane | |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 50 | Chloromethane | |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 69 | Vinyl chloride | |
| 11 | 53 | 34 | 50 | -1 | 10595 | A | 1.510 | 24 | Bromomethane | |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 | Chloroethane | |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 101 | 1,1-Difluoroethane | |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 21 | 1,1-Dichloroethane | |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 42 | Acetone | |
| 16 | 67 | 40 | 74 | 1 | 112008 | bb | 2.700 | 26 | Carbon disulfide | |
| 17 | 97 | 63 | 92 | 0 | 94100 | vv | 2.820 | 43 | Acetone | |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 35 | Allyl chloride | |
| 19 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 34 | Methylenedichloride | |
| 20 | 30 | 17 | 29 | -5 | 181336 | FP | 1.510 | 53 | benzotrifluoride | |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 20 | trans-1,2-Dichloroethene | |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 65 | 1,1-Dichloroethane | |
| 23 | 0 | 3 | 0 | 0 | 0 | | 0.000 | 45 | Vinyl acetate | |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 71 | 2,2-dichloropropane | |
| 25 | 0 | 3 | 0 | 0 | 0 | | 0.000 | 26 | cis-1,2-Dichloroethane | |
| 26 | 79 | 2 | 70 | 1 | 36603 | bv | 1.510 | FP | 43 | 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 81 | Chloroform | |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Bromochloromethane | |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,1-Trichloroethane | |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 | Carbon tetrachloride | |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,1-Dichloropropene | |
| 32 | 100 | 92 | 99 | 0 | 1323264 | bv | 5.521 | 78 | Benzene | |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | 1,2-Dichloroethane | |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 130 | Trichloroethene | |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,2-Dichloropropane | |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 93 | Dibromomethane | |
| 37 | 47 | 15 | 56 | -11 | 951701 | A | 5.301 | FP | 41 | Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | Bromodichloromethane | |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | cis-1,3-Dichloropropene | |
| 40 | 35 | 32 | 68 | -19 | 1651408 | vv | 7.772 | FP | 43 | 4-Methyl-2-pentanone |
| 41 | 100 | 83 | 99 | 1 | 2860720 | vv | 8.101 | 22 | Toluene | |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,3-Dichloropropene | |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,2-Trichloroethane | |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 69 | Ethyl methacrylate | |
| 45 | 67 | 35 | 77 | -1 | 236300 | bb | 8.231 | 164 | Tetrachloroethene | |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | 1,3-Dichloropropane | |
| 47 | 42 | 24 | 64 | -10 | 1288872 | vv | 2.241 | FP | 43 | 2-Heptanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 129 | Dibromochloromethane | |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 107 | 1,2-Dibromoethane | |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | Chlorobenzene | |

Data Review: *MM*
 Date: 8/19/98

| No. | MAI | FOR | REV | Delta | Area | P.F.Lags | RT | QM | Name |
|-----|-----|-----|-----|-------|------------------|----------|------------------|-----|------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L31 | 1,1,1,2-Tetrachloroethane |
| 52 | 85 | 54 | 86 | -1 | 726255 | bv | 10.681 | L06 | Ethylbenzene |
| 53 | 96 | 67 | 90 | -1 | 4729632 | wv | 10.921 | L06 | m-p-Xylene |
| 54 | 92 | 67 | 89 | 0 | 1569024 | bv | 11.541 | L06 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L04 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L75 | Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L05 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | 1,1,1,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L56 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2,4-Trichloropropene |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L20 | m-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,2-Dichloroethane |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L26 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L06 | 4-Chlorotoluene |
| 65 | 38 | 43 | 92 | -25 | 3068411 | wv | 15.601 | L05 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L77 | tert-Butylbenzene |
| 67 | 87 | 52 | 94 | -9 | 9117632 | bv | 11.032 | L05 | 1,2,4-Trimethylbenzene |
| 68 | 39 | 19 | 56 | -2 | 11155 | | 0.000 | L05 | sec-Propylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L77 | p-Dimethyl |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L33 | 1,2-Dichloroethane |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L05 | 1,3-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 71 | trans-1,2-Dichloroethane |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 71 | trans-1,2-Dichloroethane |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L36 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2-Dichloro-5-Chloropropene |
| 76 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L60 | 1,2,4-Trichlorobenzene |
| 77 | 0 | 0 | 0 | 0 | 0 | | 0.000 | Z05 | Hexachlorocyclohexane |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L78 | Heptachloro |
| 79 | 0 | 0 | 0 | 0 | 0 | | 0.000 | L30 | 1,2,3-Trichlorobenzene |

YR 8119/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name | |
|-----|-----|-----|-----|-------|--------------------|---------------|------------------|---------------|------------------------|----------------------------|
| 1 | 93 | 56 | 94 | 1 | 2483712 | bb | 5.301 | 68 | Pentafluorobenzene | |
| 2 | 100 | 83 | 95 | 0 | 2639904 | bv | 6.071 | 114 | 1,4-DiFluorobenzene | |
| 3 | 85 | 57 | 79 | 0 | 2322196 | bv | 10.361 | 117 | Chlorobenzene-d5 | |
| 4 | 52 | 14 | 71 | 3 | 1311712 | bv | 15.772 | 132 | 1,4-Dichlorobenzene-d4 | |
| 5 | 93 | 49 | 99 | 0 | 956260 | bv | 5.181 | 113 | Dibromofluoromethane | |
| 6 | 99 | 70 | 88 | 0 | 3770622 | bv | 8.001 | 98 | Toluene-d8 | |
| 7 | 63 | 38 | 63 | 0 | 1525120 | vv | 12.661 | 95 | 4-Bromofluorobenzene | |
| 8 | 55 | 36 | 63 | 7 | 209250 | a | 1.140 | FP | 39 | 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 108 | Vinyl bromide | |
| 10 | 71 | 55 | 63 | 1 | 22270 | bb | 7.688 | FP | 73 | MTBE |
| 11 | 100 | 95 | 99 | 1 | 1696232 | bb | 7.890 | 57 | n-Hexane | |
| 12 | 59 | 45 | 64 | 3 | 217425 | bv | 4.471 | FP | 42 | 1,2-Epoxybutane |
| 13 | 62 | 45 | 57 | 2 | 253186 | a | 5.791 | FP | 57 | Isooctane |
| 14 | 43 | 28 | 70 | -13 | 1875922 | vb | 6.531 | FP | 55 | Ethyl acrylate |

VR 8/19/98

10 Aug-90 14:17

Triangle Laboratories, Inc.

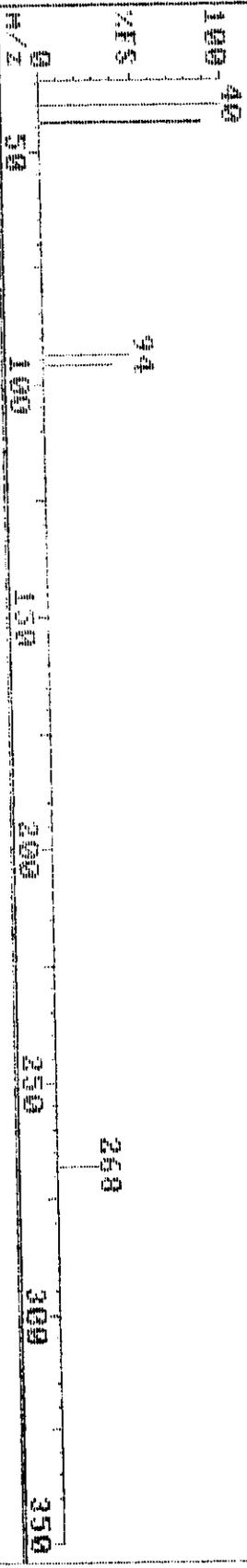
(919) 544-5729

Instrument F

Sample: T-U-1-2-A I 211-1-7A T1146297

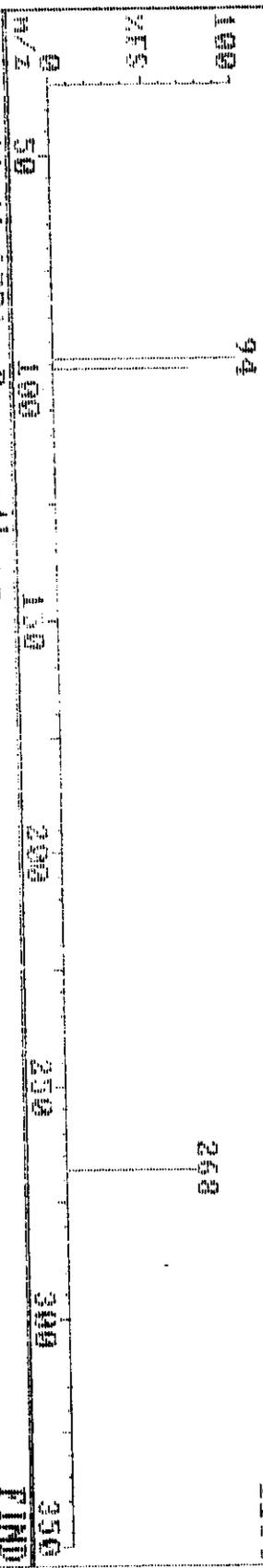
FX095 161 (1.610)

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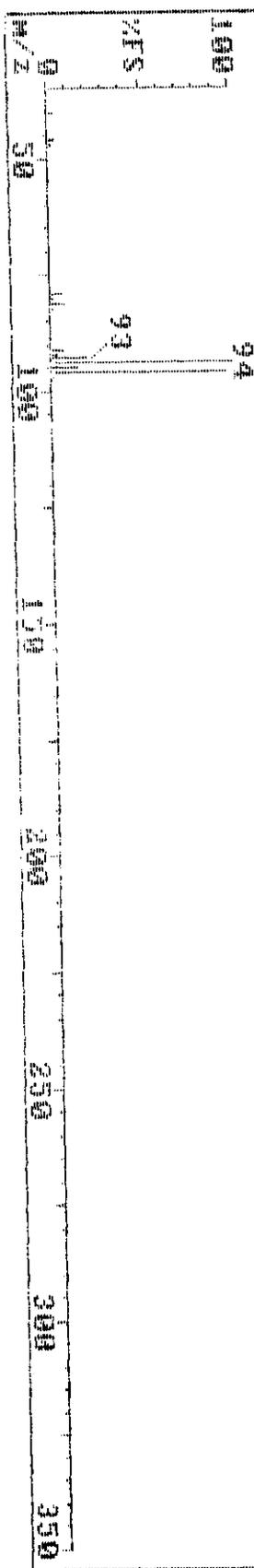
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1104



02600 11 (1.620) Bromomethane

FIND 100



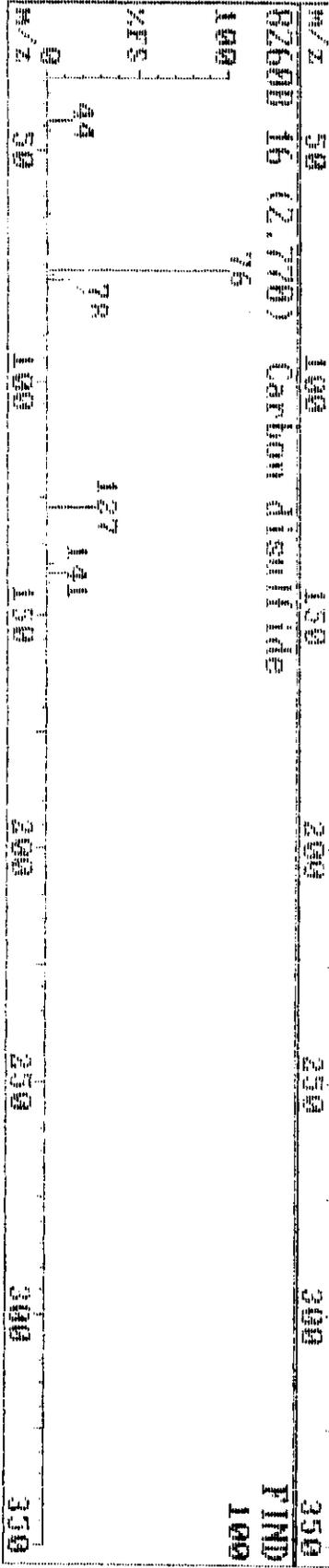
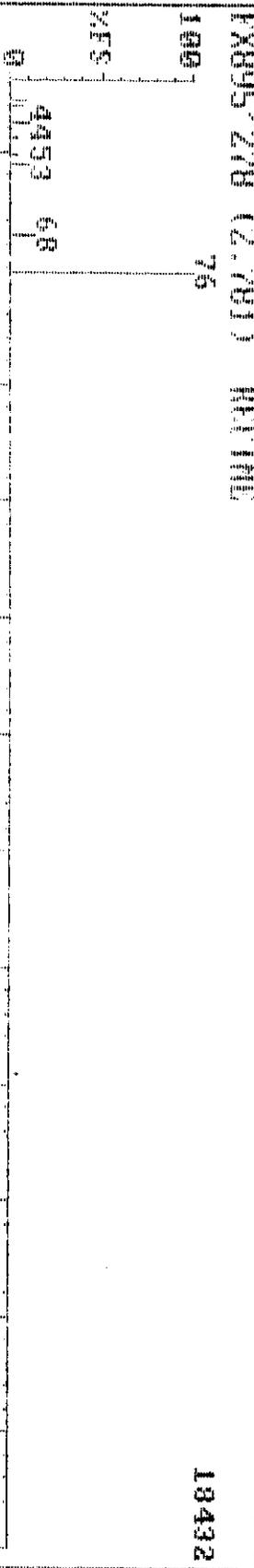
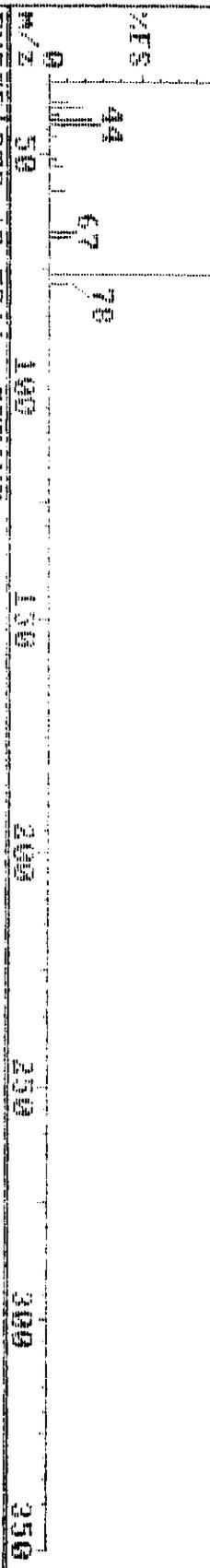
10-Aug-98 14:17

Triangle Laboratories, Inc.

(919) 544-5729

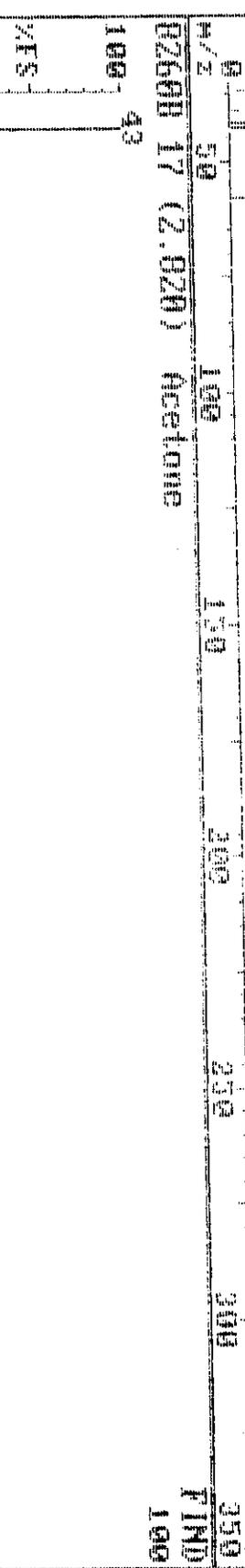
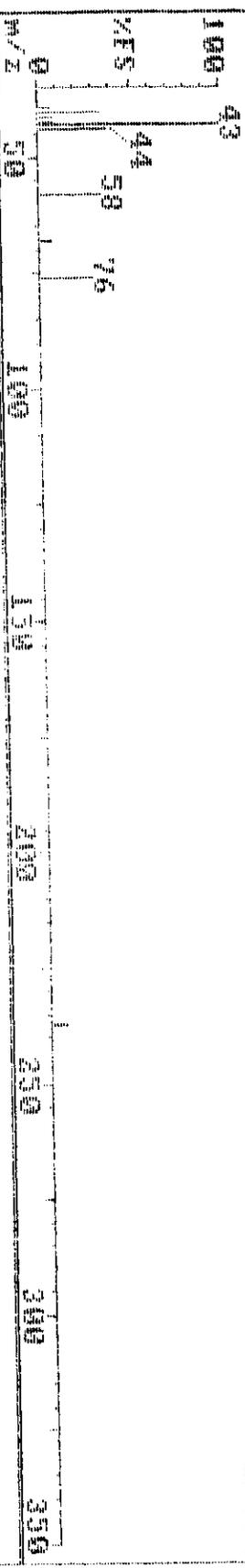
Sample: T-V-1-2-A I 214-1-7A T1146297

Instrument F



10-Aug-98 14:17 Triply Laboratories, Inc. (919) 544-5729 Instrument F
 Sample: T-U-1-2-A 1 214-1-70 THH0297

FX095 282 (2.820) 11264



8-Aug-98 14:17

Triangle Laboratories, Inc.

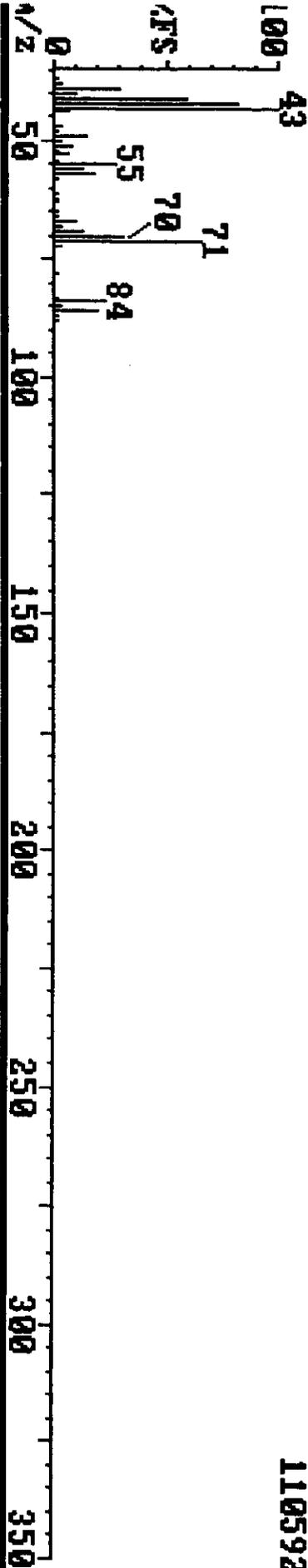
(919) 544-5729

Sample: T-U-1-2-A T 214-1-7A TL1#46297

Instrument F

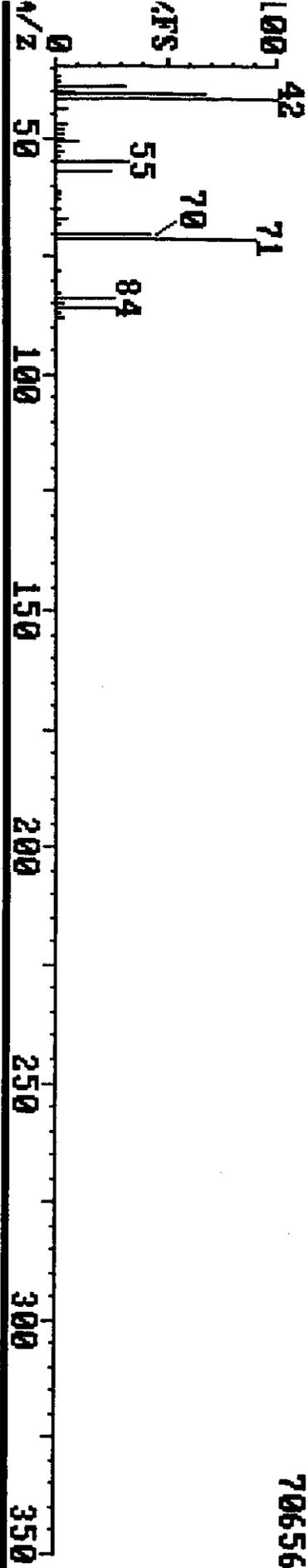
PX895 327 (3.270)

110592



PX895 327 (3.271) REFINE

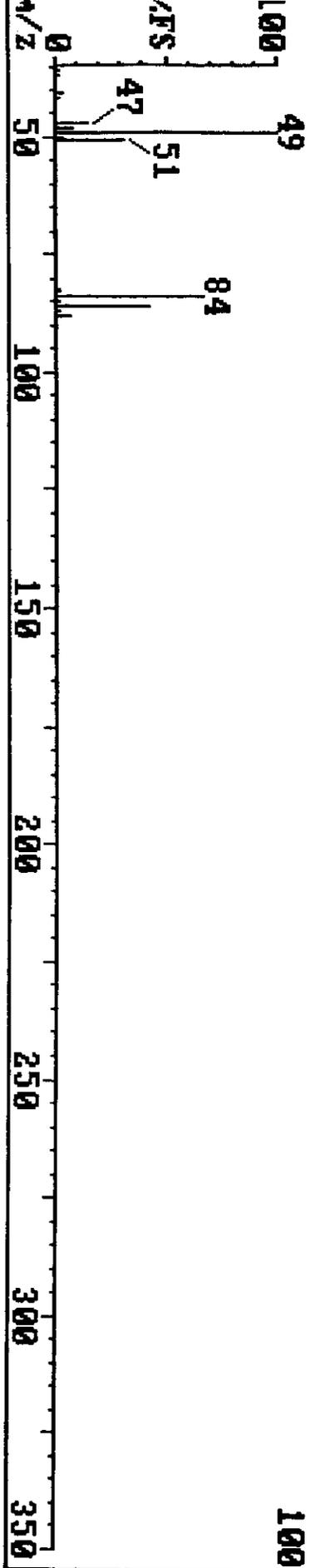
70656



MASTER 22 (3.590) Methylene chloride

FIND

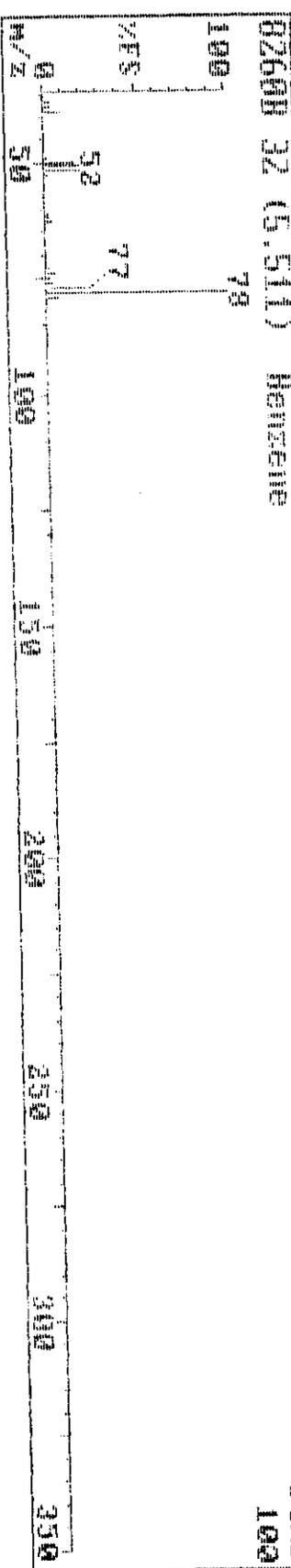
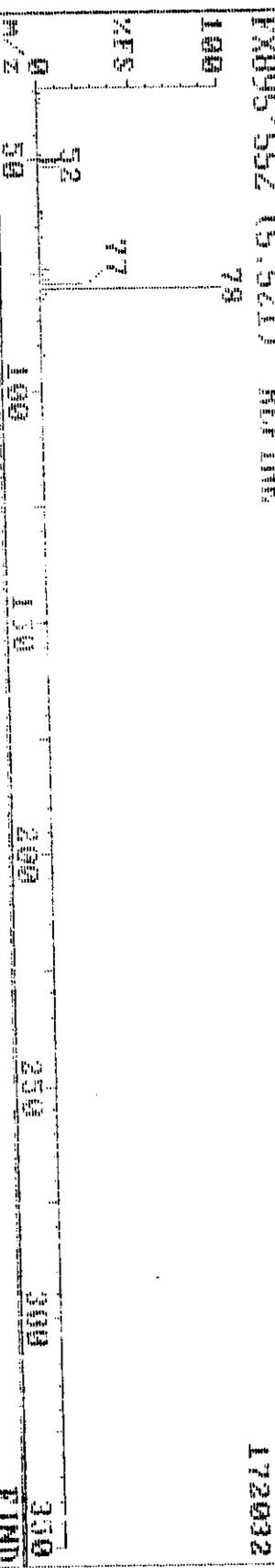
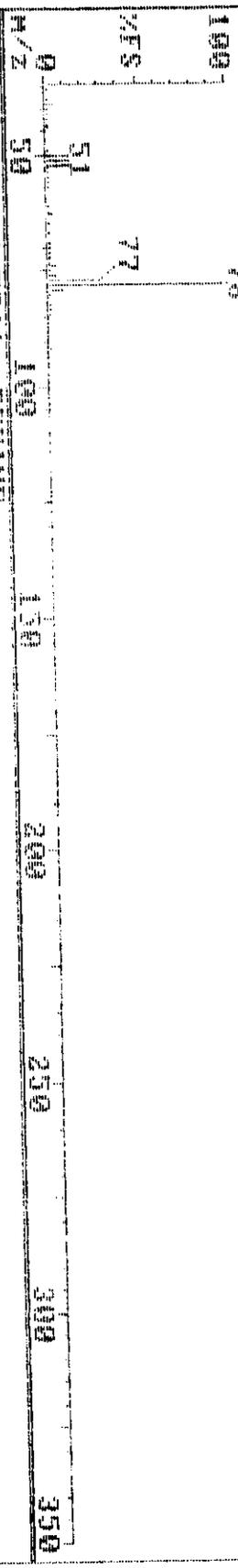
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10-Aug-98 14:17 Triang Laboratories, Inc. (919) 544-5729 Instrument F

Sample: 1-U-1-2-A 1 24-1-70 1146297

FX895 552 (5.521) 184320



10-Aug-98 14:17

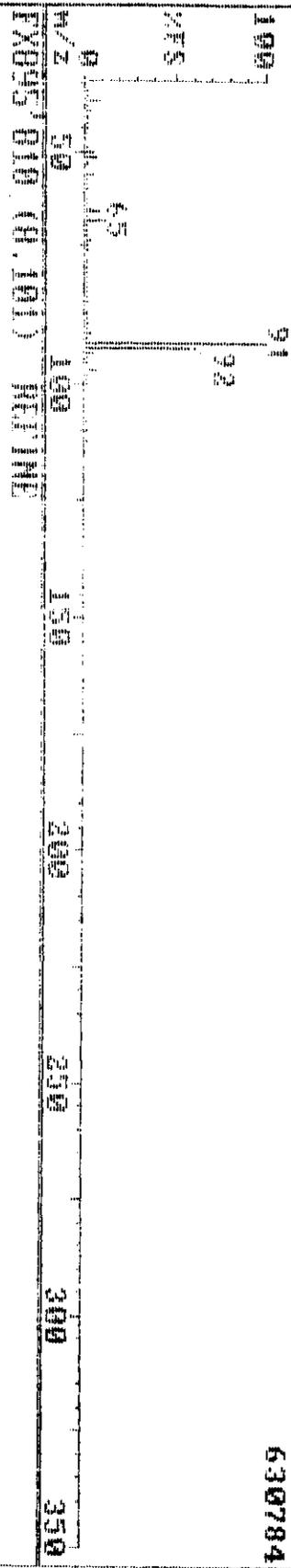
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-1-2-A I 214-L-M TLW46297

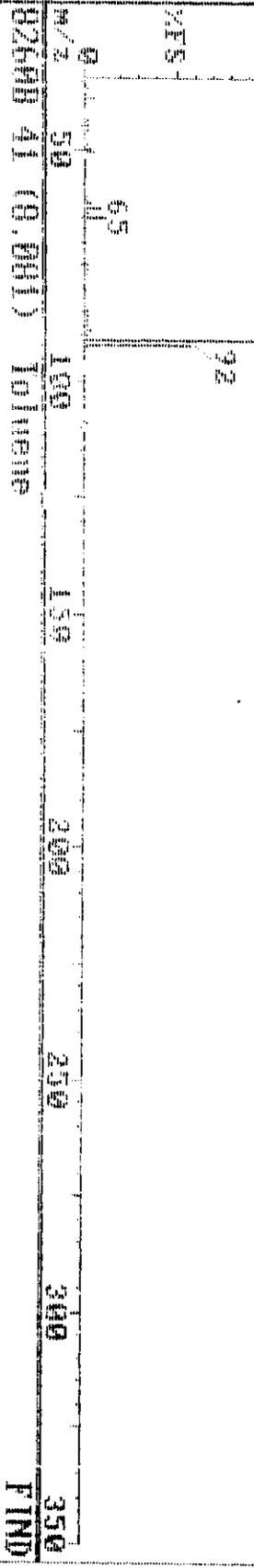
Instrument F

EX95 010 (0.10)

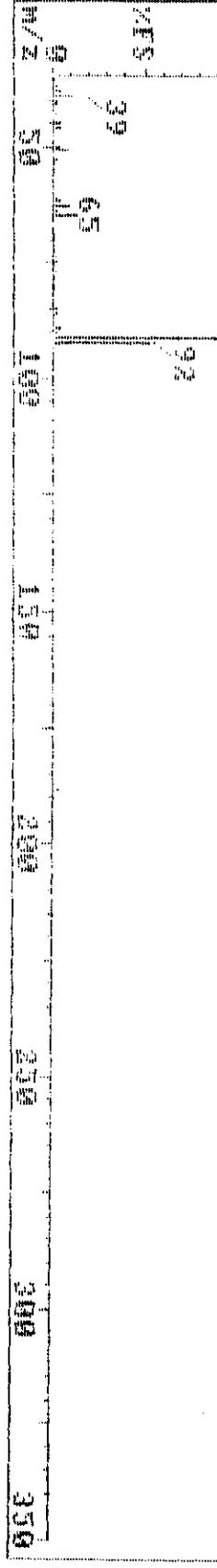
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577536



FTND
100



10-Aug-90 14:17

Triangle Laboratories, Inc.

(919) 544-5729

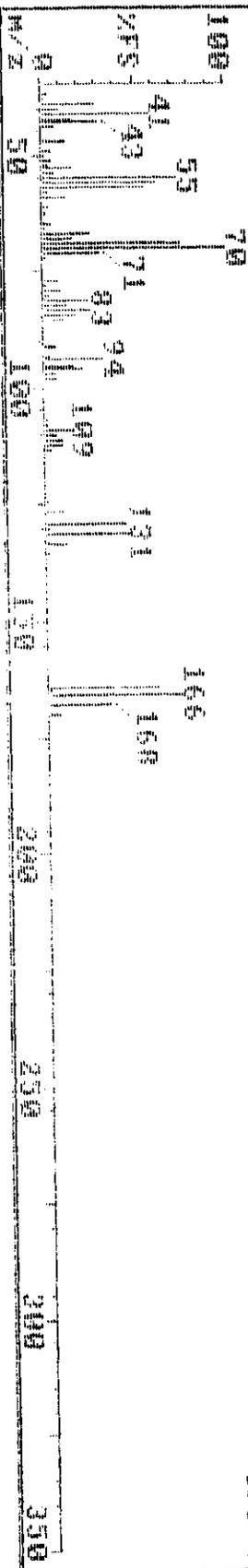
Sample: 14-1-2-A T

244-1-70 T1146297

Instrument F

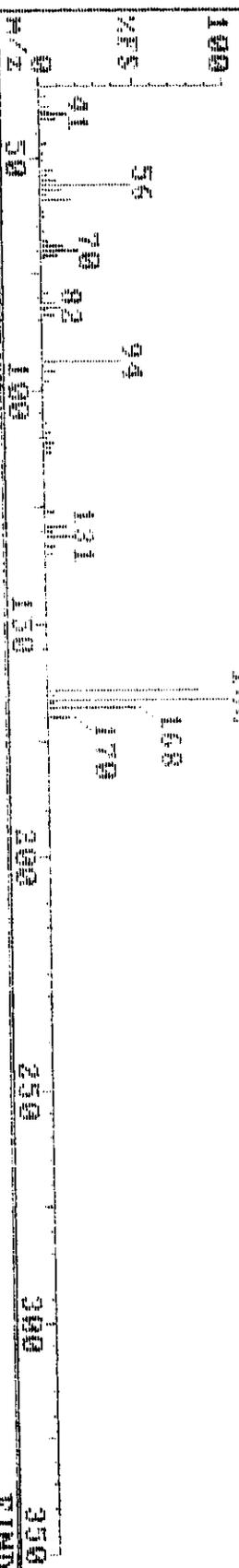
FX095 893 (8.931)

49664



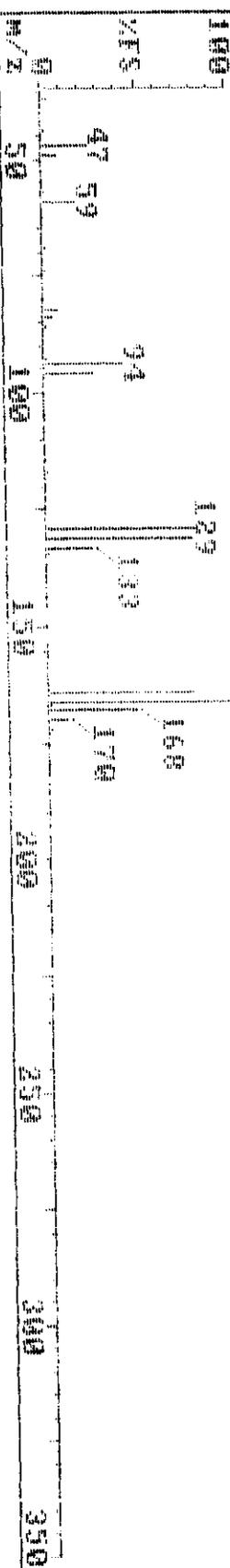
FX095 893 (8.931) REFERENCE

32512

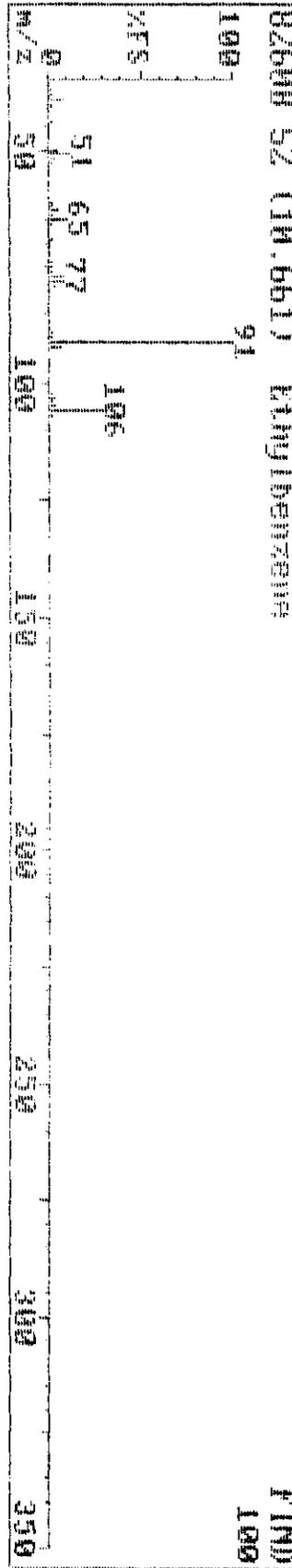
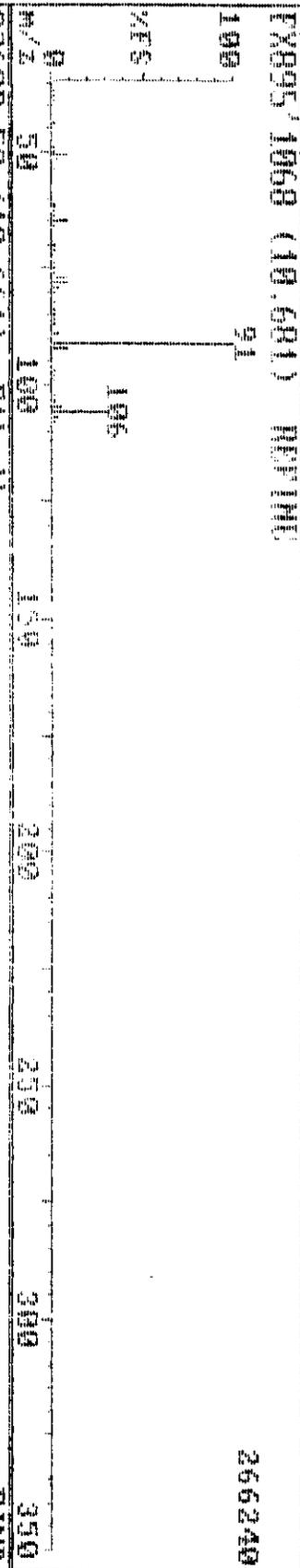
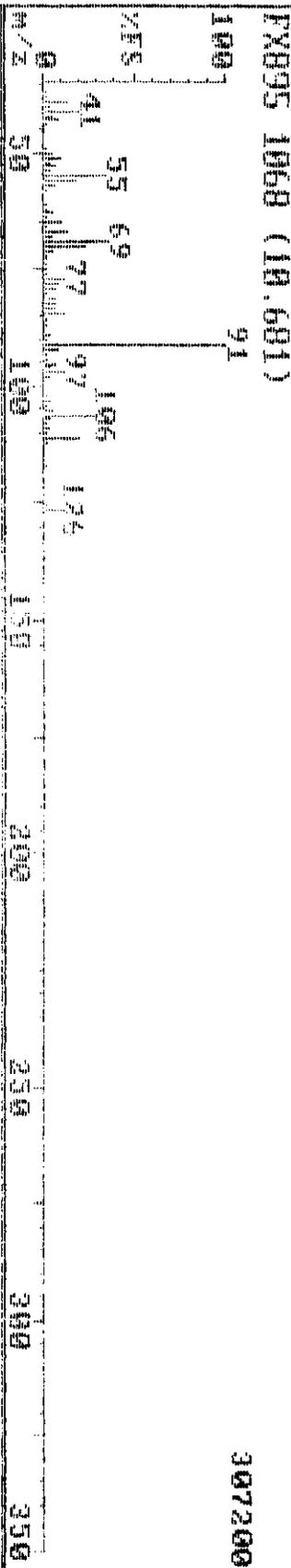


02600 45 (8.911) Tetradimorphane

FIND 100



18-Aug-98 14:17 Triowbe Laboratories, Inc. (919) 544-5729
 Sample: T-U-1-2-A 1 24-174 TMR0297 Instrument F



307200

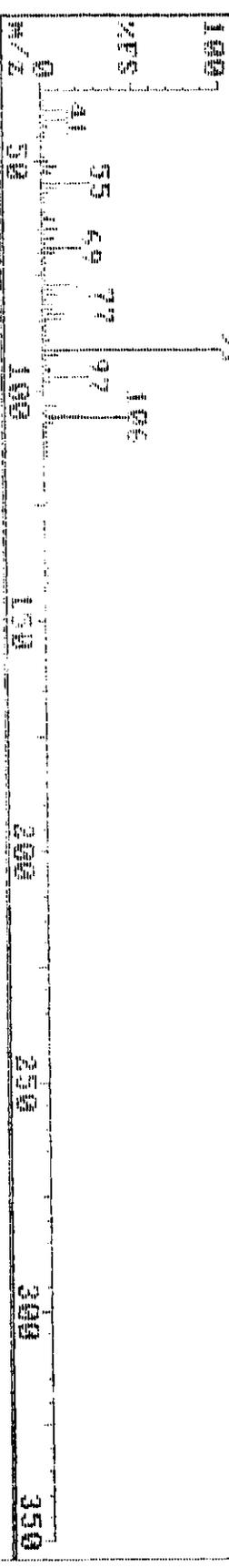
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FIND

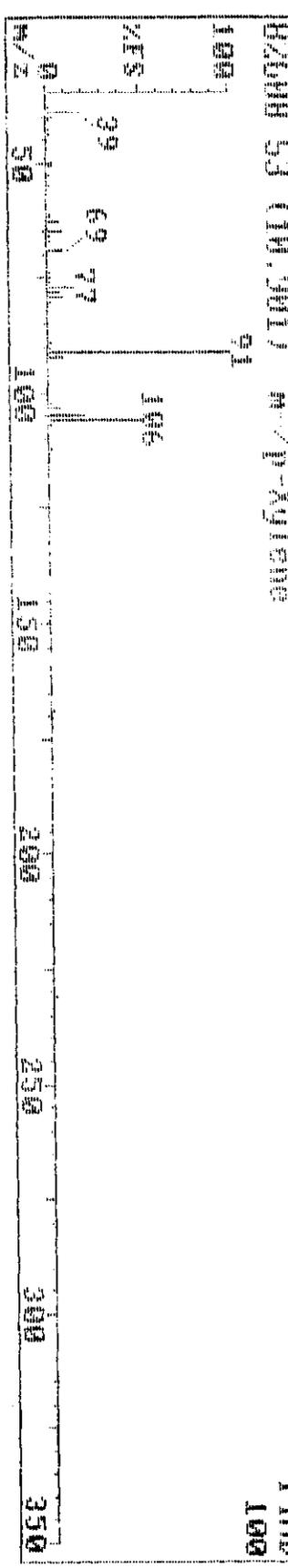
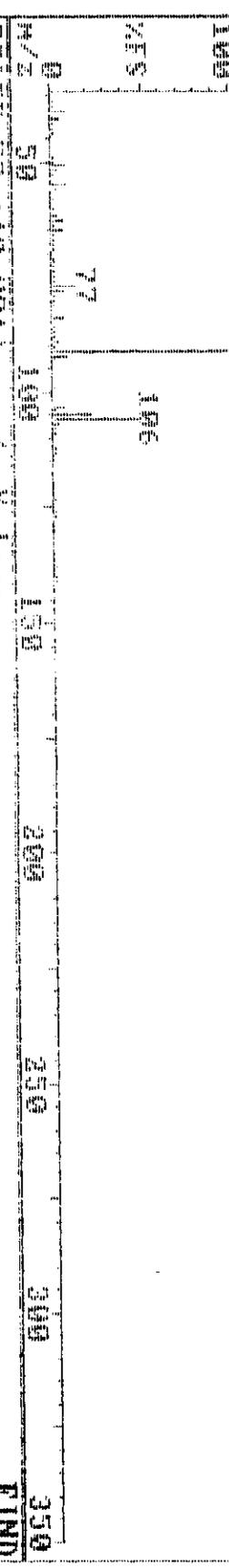
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10-Aug-98 14:17 Triang Laboratories, Inc. (919) 544-5729 Instrument F
 Sample: T-4-1-2-1 T 214.1070 11/14/2007

FX095 1092 (00.921) 91 1245184



FX095 1092 (00.921) 91 1097728



10-AUG-90 14:17

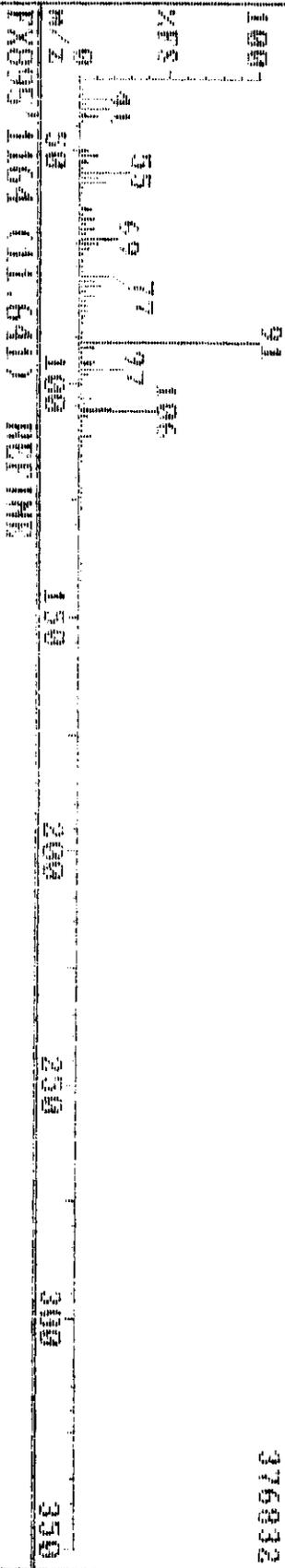
Trienvo Laboratories, Inc. (919) 54-5770

Sample: 10-1-2-A 1 24-170 1146207

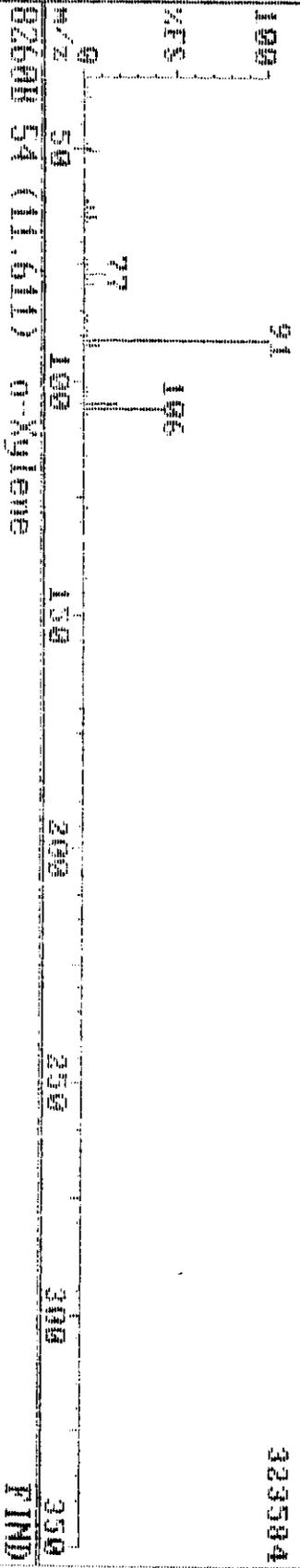
Instrument: F

EX95 164 (11.611)

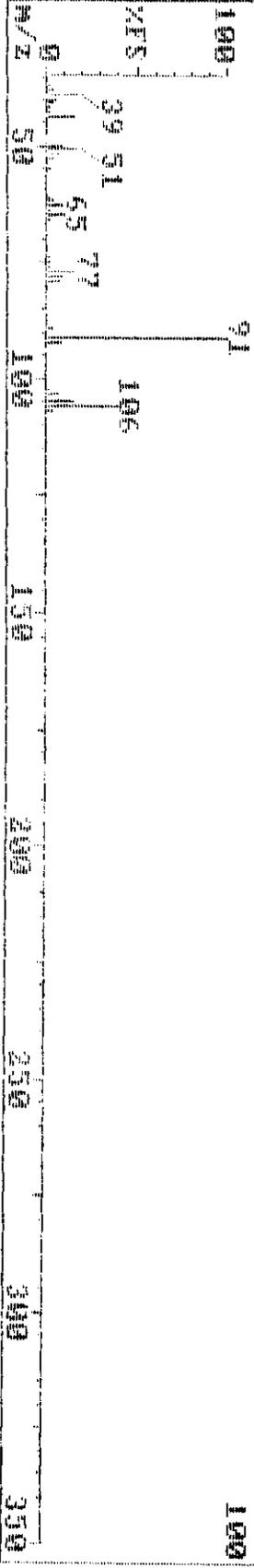
376932



323584



FIND 100



10-Aug-90 14:17

Tri-County Laboratories, Inc.

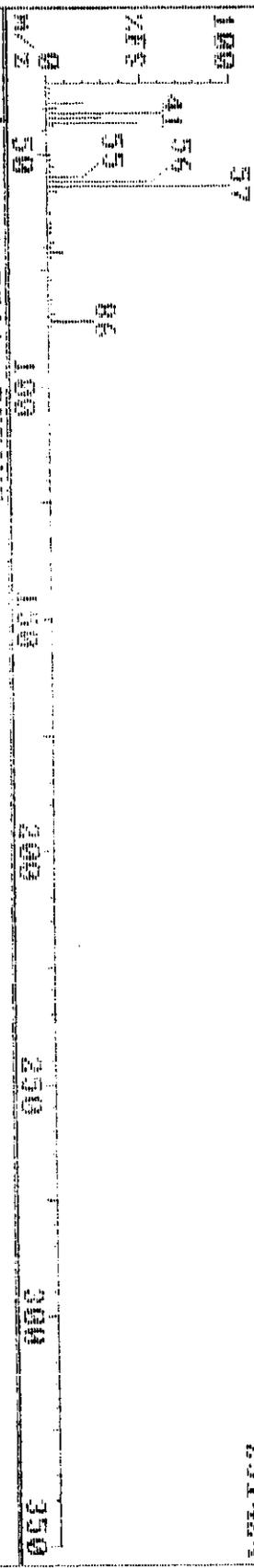
(910) 544-5729

Sample: T-U-1-2-A I 211-1-70 TIM0297

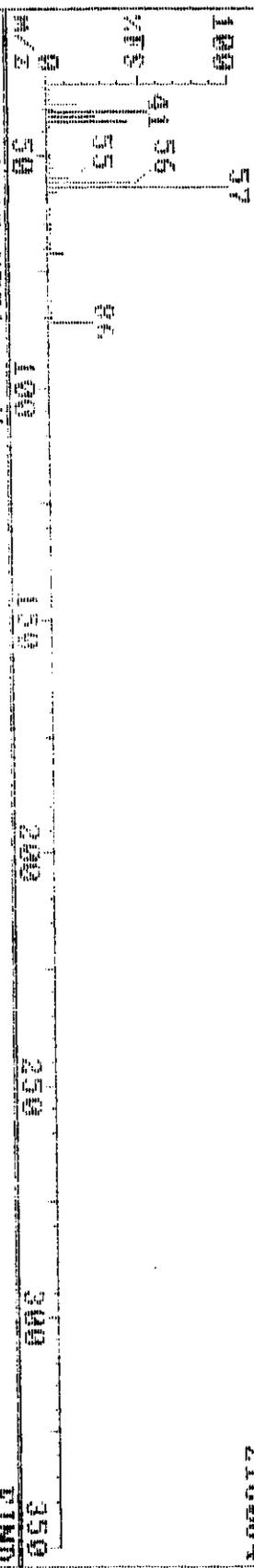
Instrument F

FX095 309 (3.890)

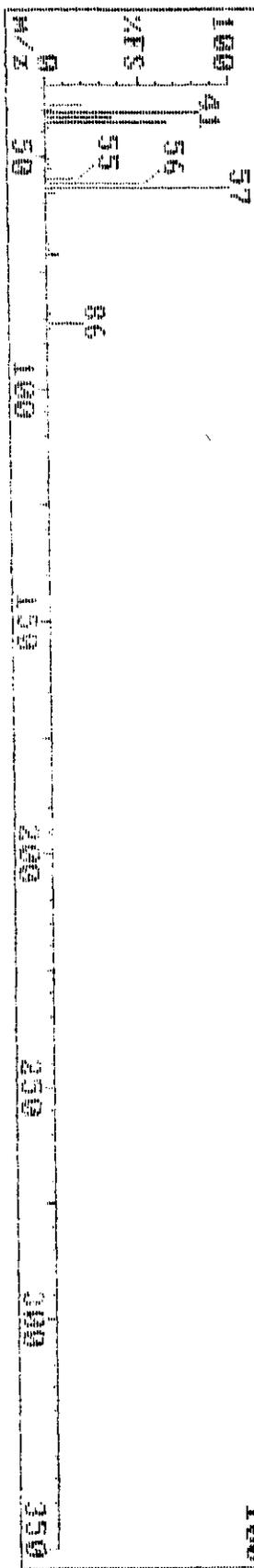
231424



216064



FIND 100



Pacific Environmental Services

Project Number: 46297

Sample File: FX880

Method 8260 VOST

Sample ID: T-V-1-2-B TC

Client Project: Hotmix

TLI ID: 214-1-7B

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed: 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|----------------------|-------------|-----------|--------------------------|---------------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | 0.080 | | 1.09 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.068 | | 1.65 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.004 | J | 2.78 | | 0.05 |
| Acetone | 0.039 | J | 2.86 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.248 | | 3.27 | | 0.05 |
| Acrylonitrile | | U | | 0.015 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | | U | | 0.001 | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

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Savar v3.7

Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX880

Method 8260 VOST
Sample ID: T-V-1-2-B TC

Client Project: Hofmix
TLI ID: 214-1-7B

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.004 | 0.05 |
| Toluene | 0.059 | B | 8.09 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.35 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.006 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | 0.001 | J | 10.91 | | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.003 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.71 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.002 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7
 Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX880

Method 8260 VOST
Sample ID: T-V-1-2-B TC

Client Project: Hotmix
TLI ID: 214-1-7B

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed: 08/17/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.246 | 5.18 | 1 | 98 |
| Toluene-d ₈ | 0.315 | 8.00 | 2 | 126 |
| 4-Bromofluorobenzene | 0.278 | 12.65 | 2 | 111 |

Reviewed by VR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7

Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
 Sample File: FX880

Method 8260 VOST
 Sample ID: T-V-1-2-B TC

| | | |
|--|-------------------------|-------------------------|
| Client Project: Hotmix TLI ID: 214-1-7B | Date Received: 07/25/98 | Response File: ICALF817 |
| | Date Analyzed: 08/17/98 | |

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | 0.001 | J | 3.90 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.010 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.002 | 0.25 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
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 Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7
 Printed: 18:00 08/24/1998

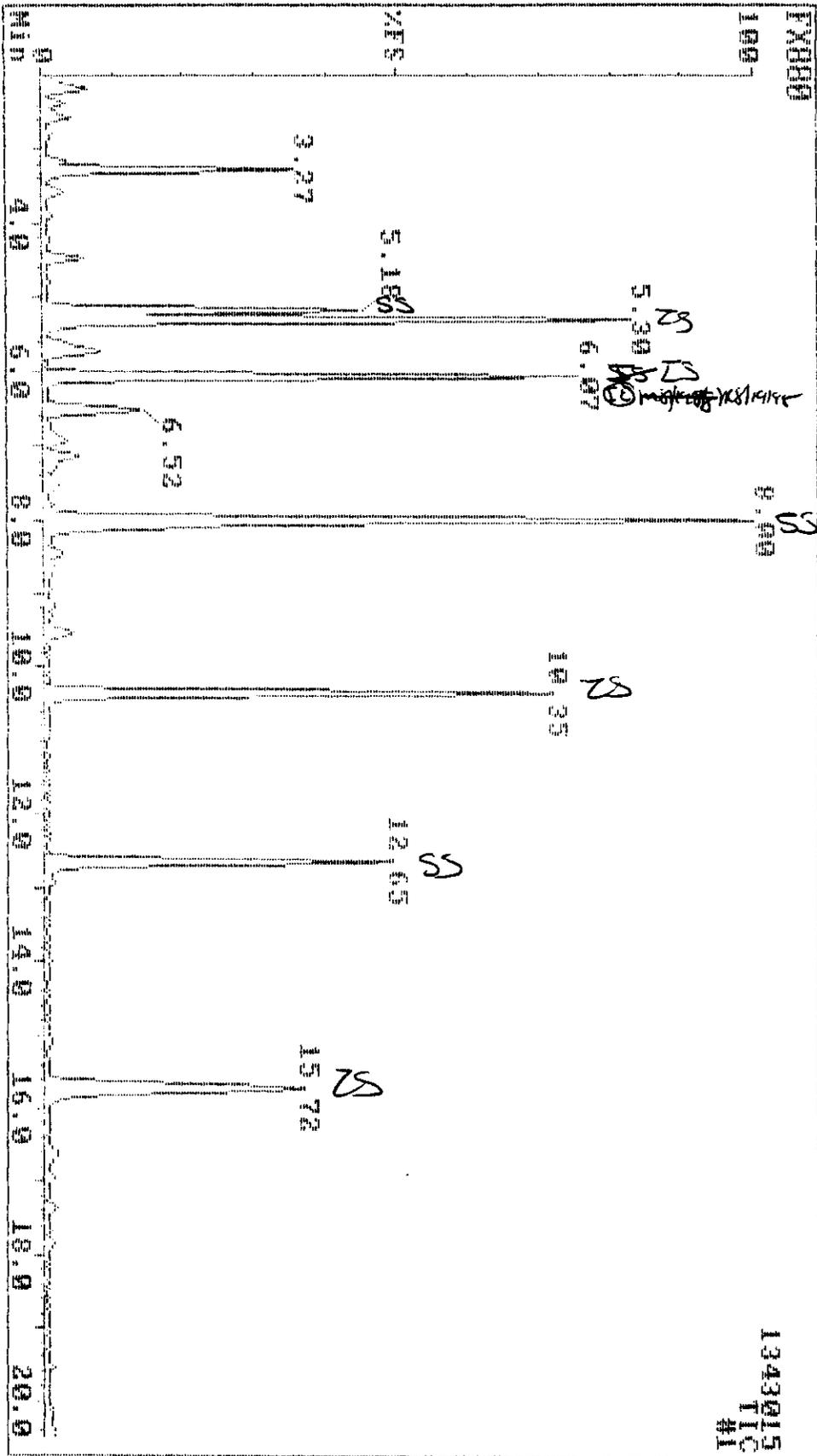
17 Aug 90 17:30

TriAnalyte Laboratories, Inc.

(919) 544-5729

Sample: T-U-4-2-B TO 214-1-78 11440297

Instrument F



1343015
TIC
#1

Data Review: *W*
Date: 8/19/88

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name | |
|-----|-----|-----|-----|-------|------------------|---------------|------------------|---------------|---------------------------|----------------------|
| 1 | 100 | 79 | 99 | 1 | 2703112 | bb | 5.301 | 168 | Pentafluorobenzene | |
| 2 | 100 | 97 | 99 | 0 | 2784596 | bv | 6.071 | 114 | 1,4-Difluorobenzene | |
| 3 | 100 | 95 | 95 | 0 | 2355776 | bv | 10.551 | 117 | Chlorobenzene-d5 | |
| 4 | 100 | 77 | 99 | 0 | 947784 | bv | 15.712 | 152 | 1,4-Dichlorobenzene-d4 | |
| 5 | 100 | 86 | 99 | 0 | 1120164 | bv | 5.181 | 113 | Dibromofluoromethane | |
| 6 | 100 | 91 | 97 | 1 | 3581752 | bv | 8.001 | 98 | Toluene-d8 | |
| 7 | 100 | 91 | 93 | 0 | 1052804 | bv | 12.651 | 95 | 4-Bromofluorobenzene | |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | Dichlorodifluoromethane | |
| 9 | 91 | 73 | 79 | 2 | 297728 | A | 1.090 | 50 | Chloromethane | |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | Vinyl Chloride | |
| 11 | 84 | 59 | 85 | 3 | 129598 | A | 1.630 | 94 | Bromomethane | |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 64 | Chloroethane | |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 101 | Trichlorofluoromethane | |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 96 | 1,1-Dichloroethane | |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 142 | Iodomethane | |
| 16 | 60 | 41 | 57 | 1 | 34728 | bb | 2.780 | 76 | Carbon disulfide | |
| 17 | 64 | 20 | 90 | 3 | 19264 | bv | 2.860 | 43 | Acetone | |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Silyl chloride | |
| 19 | 100 | 86 | 95 | 0 | 636016 | bb | 3.270 | 84 | Methylene chloride | |
| 20 | 7 | 2 | 10 | -4 | 1278 | bb | 3.590 | FP | 55 | Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 96 | trans-1,2-Dichloroethane | |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,1-Dichloroethane | |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 | Vinyl acetate | |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 77 | 2,2-Dichloropropane | |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 96 | cis-1,2-Dichloroethane | |
| 26 | 15 | 13 | 17 | 8 | 6436 | bb | 4.391 | FP | 43 | 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | Chloroform | |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Bromochloromethane | |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,1-Trichloroethane | |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 | Carbon tetrachloride | |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,1-Dichloropropene | |
| 32 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 78 | Benzene | |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | 1,2-Dichloroethane | |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 130 | Trichloroethene | |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,2-Dichloropropane | |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 93 | Dibromomethane | |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Methyl methacrylate | |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | Bromodichloromethane | |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | cis-1,3-Dichloropropene | |
| 40 | 39 | 4 | 62 | 3 | 14208 | bb | 7.271 | FP | 43 | 4-Methyl-2-pentanone |
| 41 | 100 | 88 | 98 | 0 | 473704 | bb | 8.091 | 92 | Toluene | |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,3-Dichloropropene | |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,2-Trichloroethane | |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 69 | Ethyl methacrylate | |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 164 | Tetrachloroethene | |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | 1,3-Dichloropropane | |
| 47 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 | 2-Hexanone | |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 129 | Dibromochloromethane | |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 107 | 1,2-Dibromoethane | |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | Chlorobenzene | |

Data Review: *YK*
 Date: *8/19/98*

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|-----------------|---------|-------------------|-----|-----------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 131 | 1,1,1,2-Tetrachloroethane |
| 52 | 20 | 34 | 34 | 23 | 3753 | A | 10.851 | 106 | Ethylbenzene |
| 53 | 0 | 0 | 0 | 0 | 10524 | A | 10.911 | 106 | m-/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 173 | Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | 1,1,2,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 120 | n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,4-Dichloro-2-butene |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 2-Chloro toluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 4-Chloro toluene |
| 65 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 119 | tert-Butylbenzene |
| 67 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,1,4-Trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 119 | propylene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | Benzene chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | m-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2-Dibromo-3-chloropropane |
| 76 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 180 | 1,2,4-Trichlorobenzene |
| 77 | 46 | 22 | 57 | -3 | 10468 | bb | 19.532 | 225 | Hexachlorobutadiene |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 138 | Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 180 | 1,2,3-Trichlorobenzene |

VR 8/19/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|-------------------|---------------|------------------|---------------|-------------------------------|
| 1 | 100 | 79 | 99 | 1 | 2703112 | bb | 5.301 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 99 | 0 | 2784596 | bv | 6.071 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 95 | 95 | -1 | 2355776 | bv | 10.351 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 77 | 99 | -2 | 947784 | bv | 15.712 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 86 | 99 | 0 | 1120164 | bv | 5.181 | 113 | Dibromofluoromethane |
| 6 | 100 | 91 | 97 | 0 | 3581752 | bv | 8.001 | 98 | Toluene-d8 |
| 7 | 100 | 91 | 93 | -1 | 1052804 | bv | 12.651 | 95 | 4-Bromofluorobenzene |
| 8 | 56 | 32 | 64 | 4 | 149996 | bb | 1.158 | FP | 39 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Vinyl bromide |
| 10 | 55 | 38 | 54 | 3 | 9092 | bv | 3.120 | 75 | MTBE FP |
| 11 | 76 | 62 | 62 | 2 | 12408 | bb | 3.900 | 57 | n-Hexane |
| 12 | 55 | 40 | 61 | 8 | 19828 | bb | 4.178 | FP | 42 1,2-Epoxybutane |
| 13 | 63 | 47 | 59 | 3 | 84596 | bv | 5.711 | FP | 57 Iso-Octane |
| 14 | 43 | 27 | 69 | 12 | 221956 | bb | 6.571 | FP | 55 Ethyl acrylate |

m8/19/98

17-Aug-98 17:30

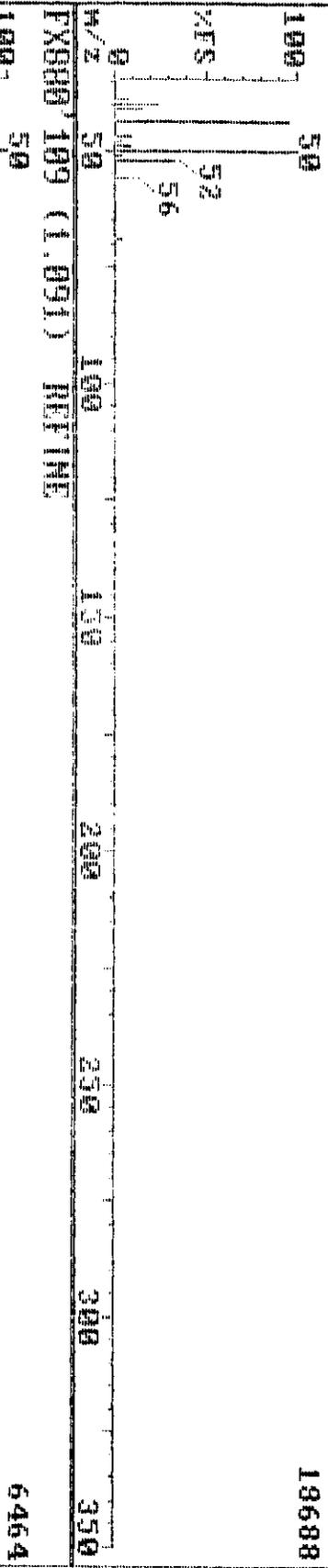
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-V-1-2-B TC 214-1-7F T1146297

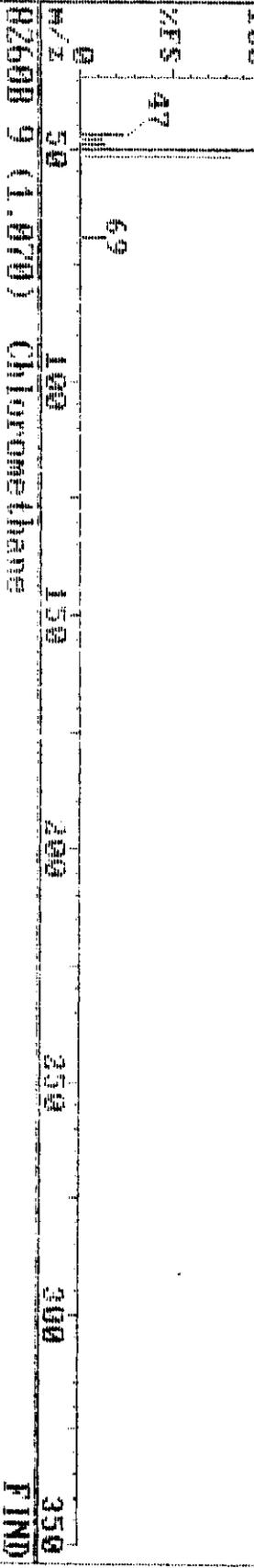
Instrument F

FX800 109 (1.090)

18688

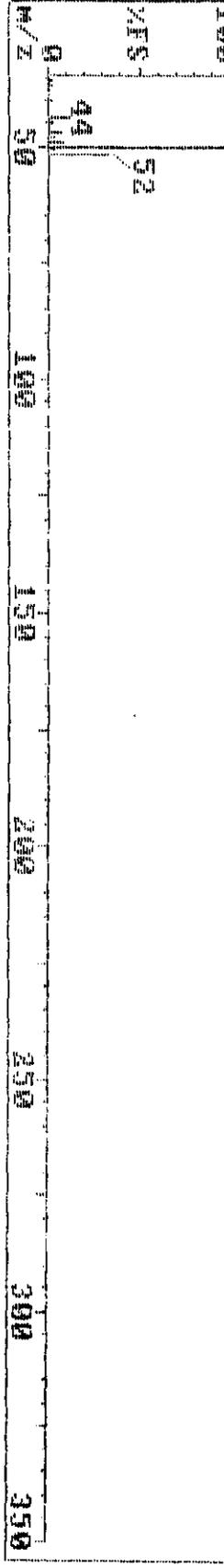


6464



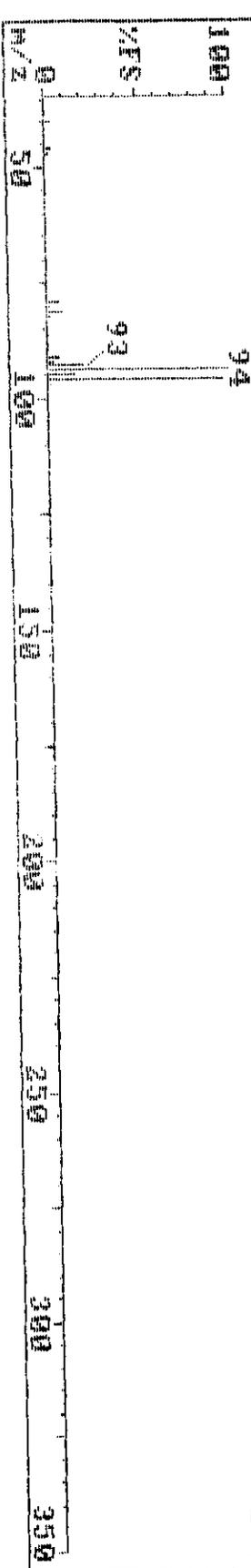
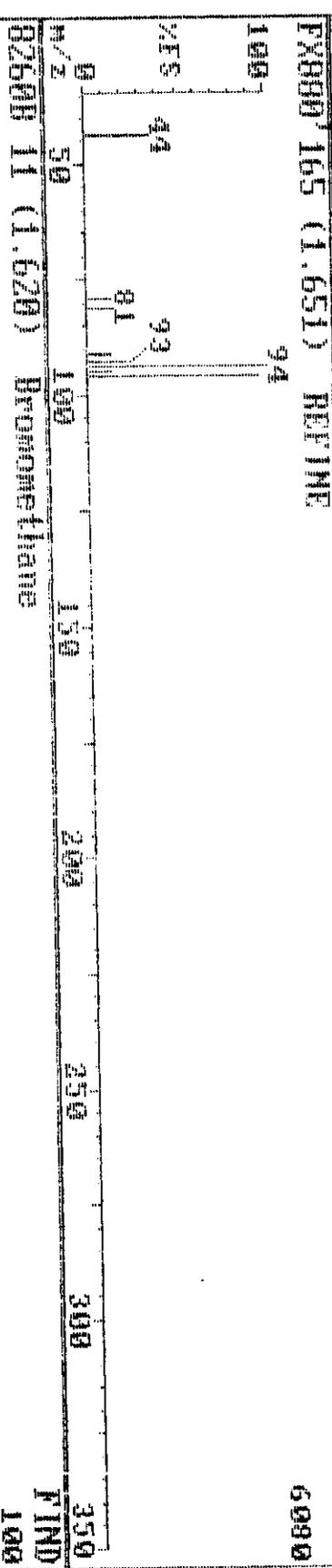
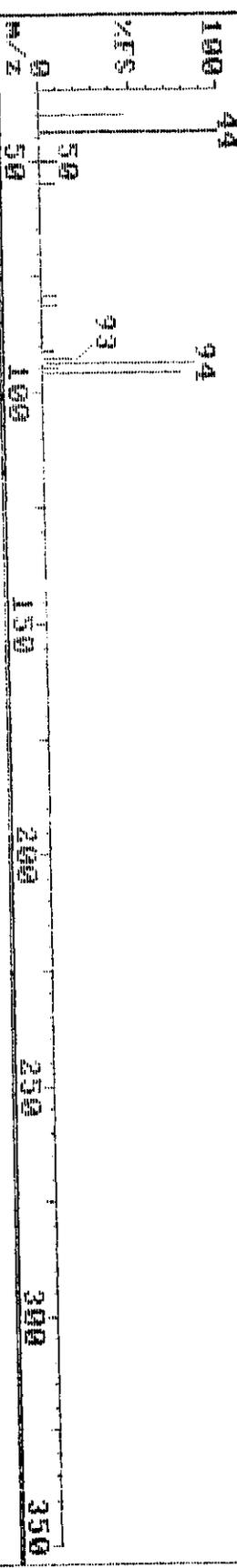
FIND

100



17-Aug-98 17:30 Triangle Laboratories, Inc. (919) 544-5729 Instrument F
 Sample: T-U-1-2-B TC 214-1-7B T.M.H.6297

PX800 165 (1.650) 9600



17-Aug-98 17:30

Triangle Laboratories, Inc. (919) 544-5729

Sample: T-V-1-2-B TC 24-1-70 TLW46297

Instrument P

FX800 278 (2.700)

100 44 76 7104

M/Z

0 50 100 150 200 250 300 350

FX800 278 (2.781) MEPMIC

100 76 6200

M/Z

0 50 100 150 200 250 300 350

B260H 16 (2.770) Carbon disulfide

100 76 FIND 100

M/Z

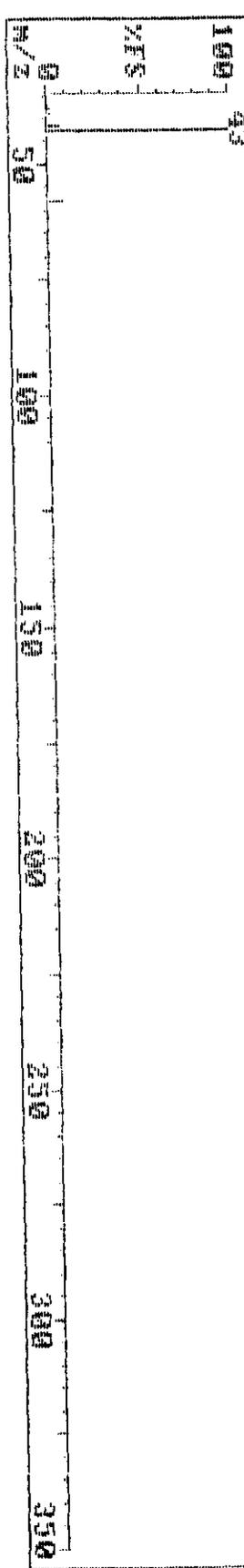
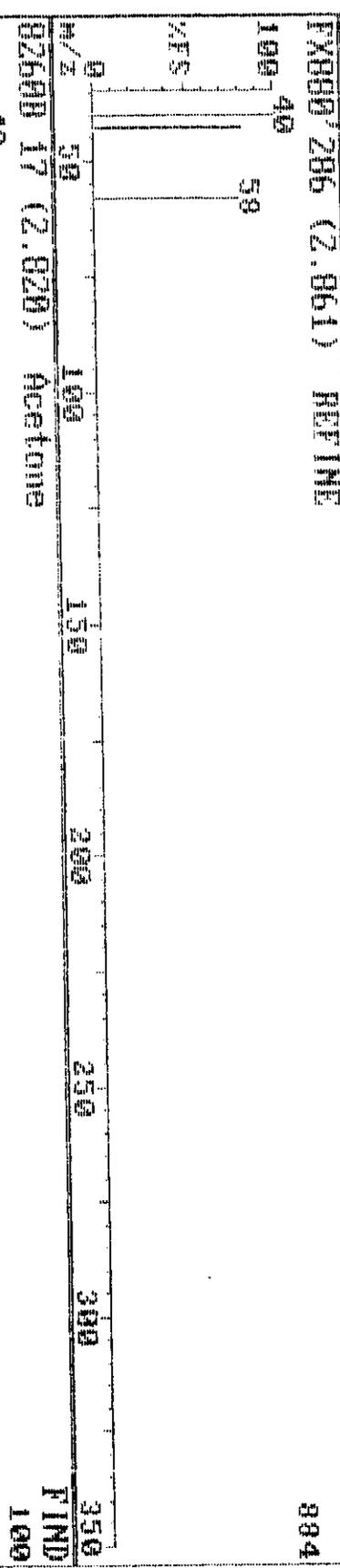
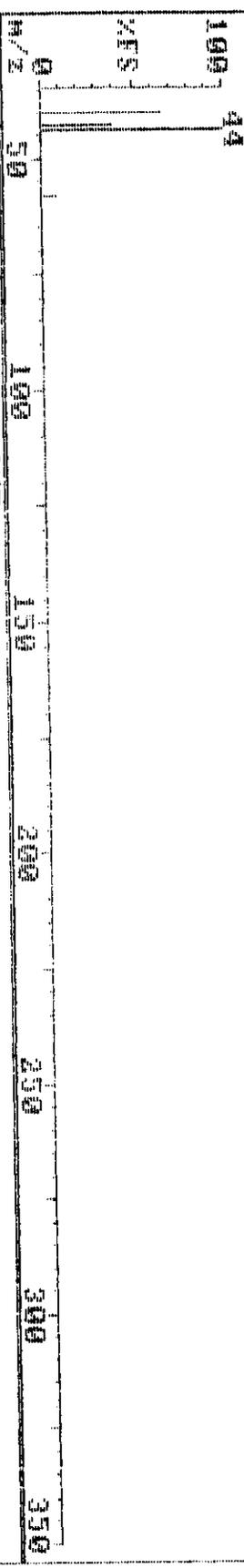
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44 76 127 141

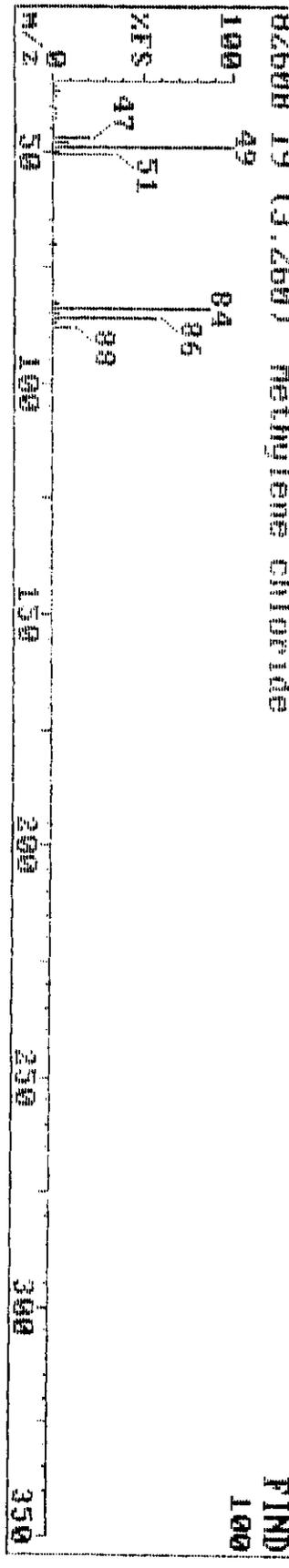
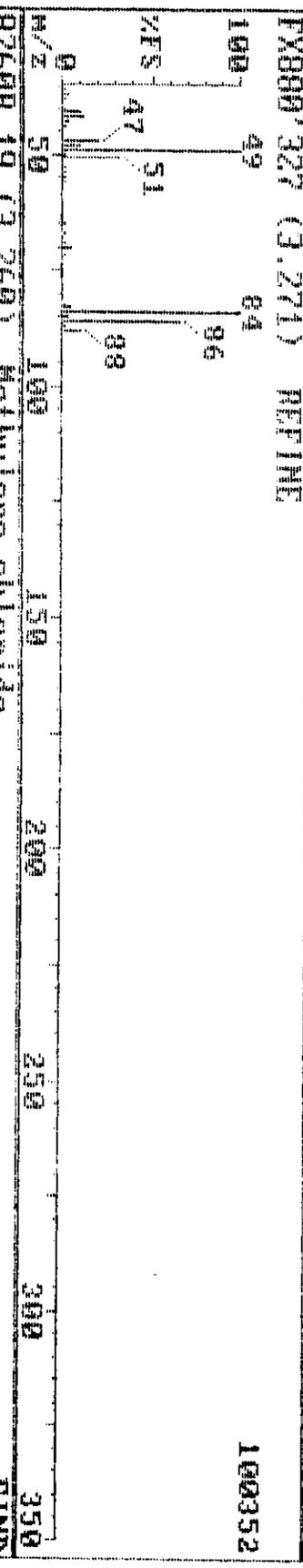
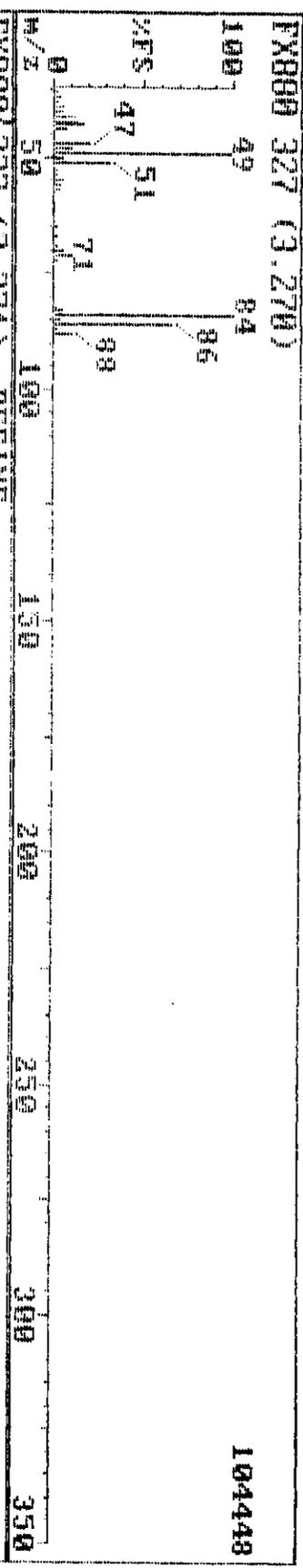
17-Aug-98 17:30 Triangle Laboratories, Inc. (919) 544-5729 Instrument F

Sample: T-U-1-2-B TC 214-1-7B TLH46297

FX880 206 (2.860) 5888

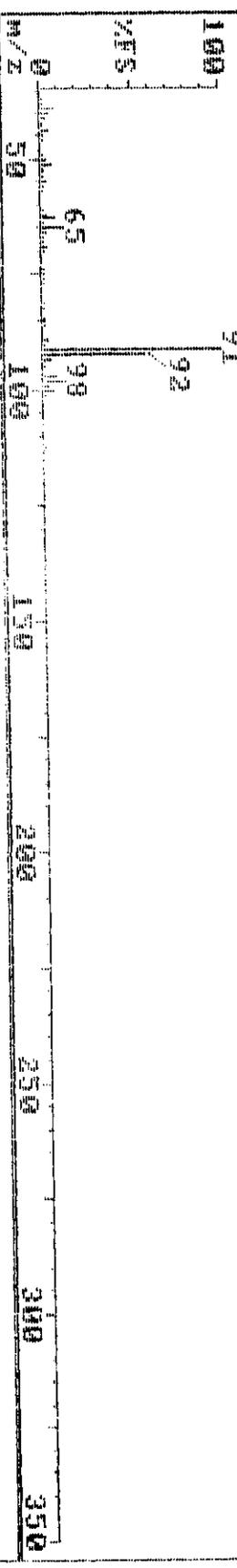


17-Aug-98 17:30 Triangle Laboratories, Inc. (919) 544-5729
Sample: T-U-1-2-B TO 214-1-7D T1146297 Instrument F

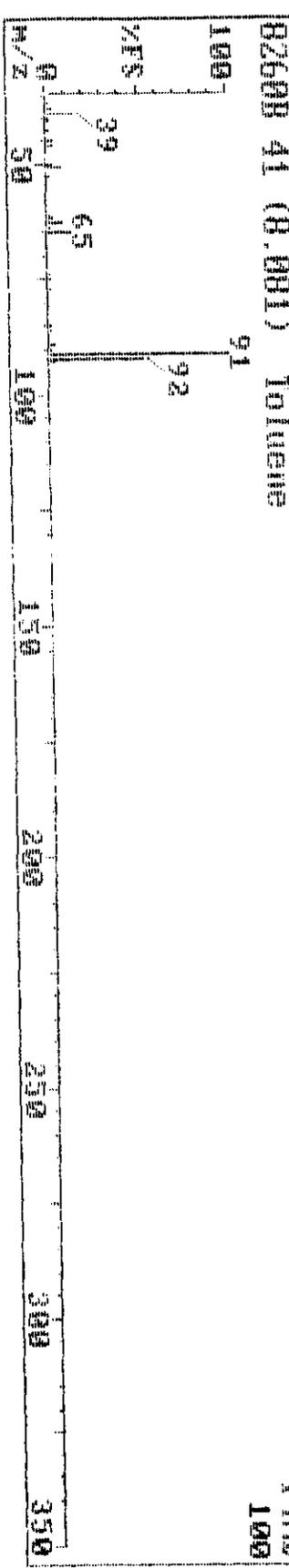
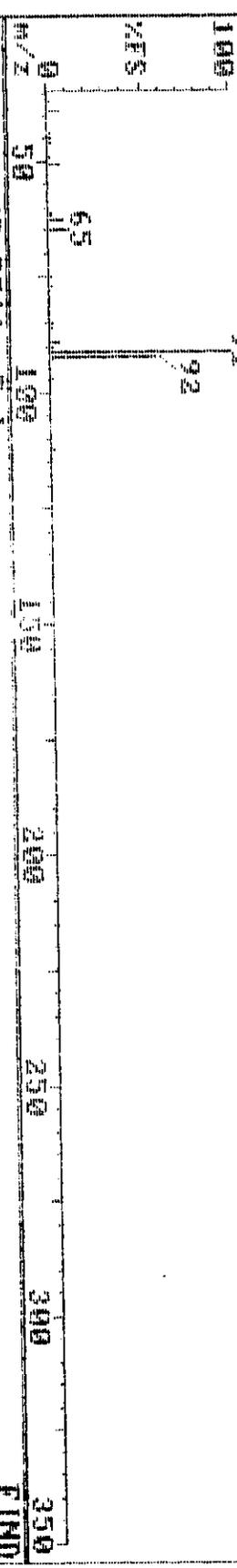


17-Aug-98 17:30 Triang Laboratories, Inc. (919) 544-5729 Instrument F
Sample: T-4-1-2-B TC 244-1-7D 11146297

FX000 009 (8.091) 103424



FX000 009 (8.091) Toluene 94208



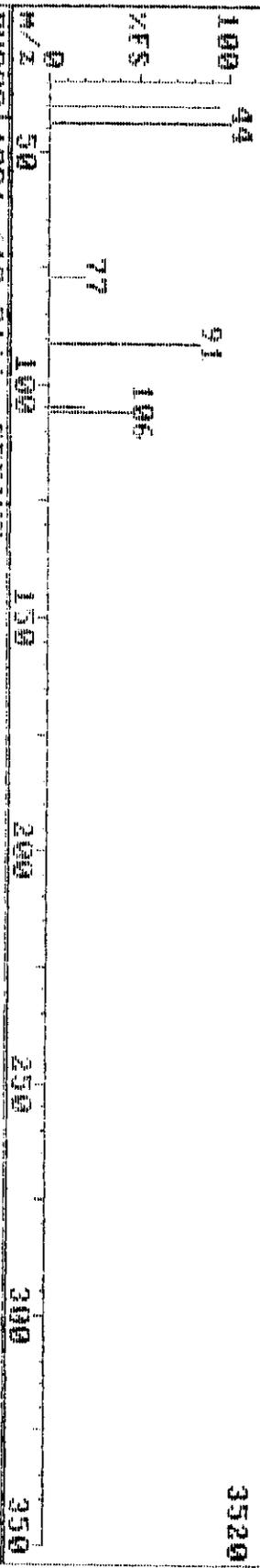
17-Aug-98 17:30

Triangulo Laboratories, Inc. (919) 544-5729

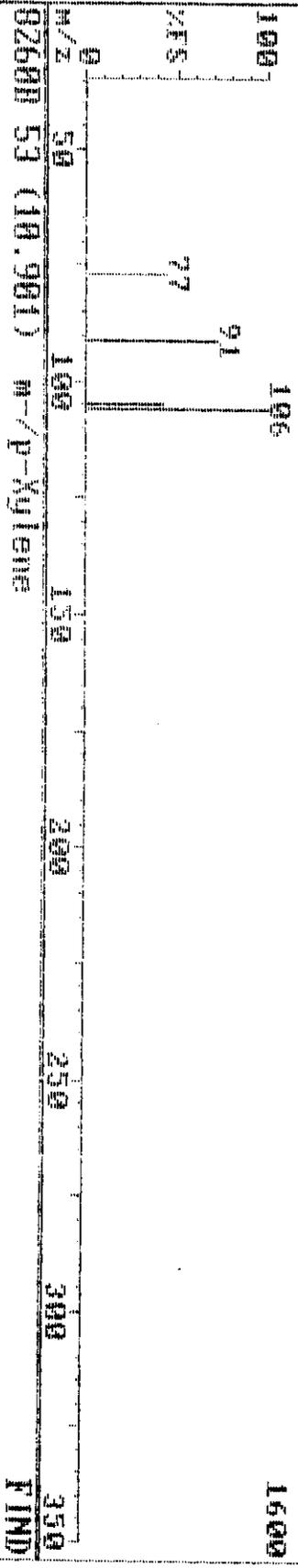
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Instrument F

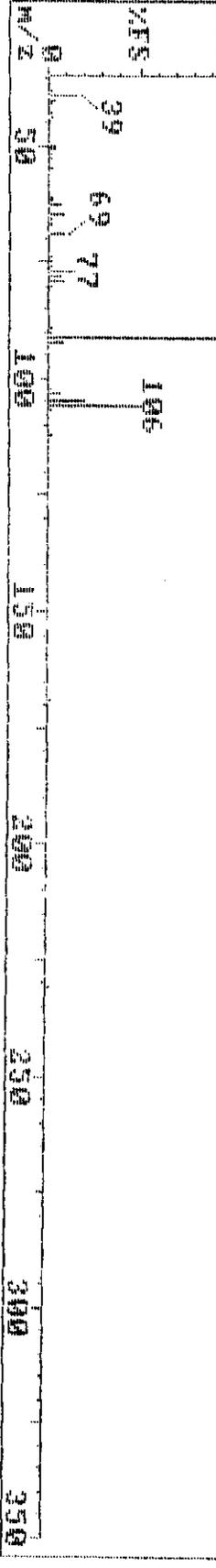
PX800 1091 (10.911)



PX800 1091 (10.911) REFINE



82600 53 (10.961) m-p-Xylene



FIND 100

17-Aug-98 17:30

TriAnaly Laboratories, Inc.

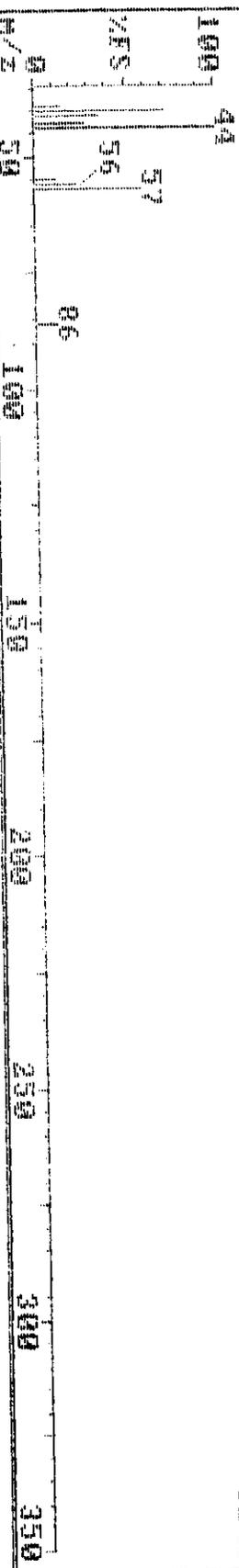
(919) 544-5729

Sample: 10-1-2-B TC 214-1-78 TL146297

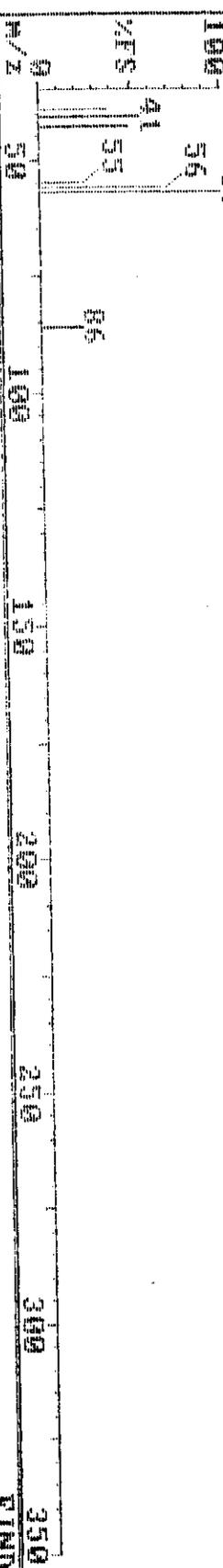
Instrument F

FX000 390 (3.900)

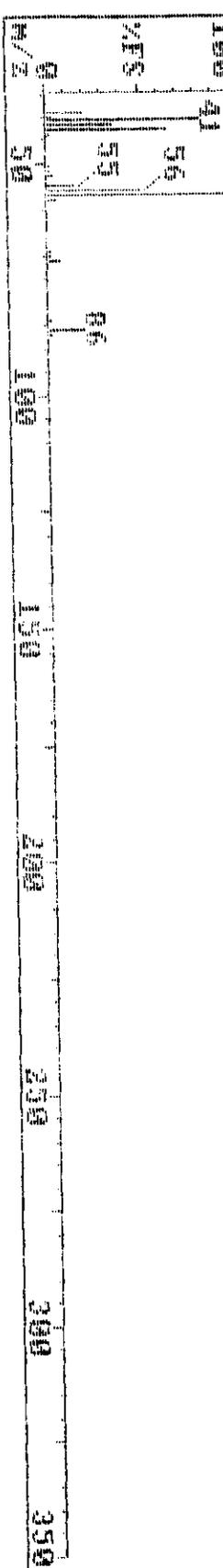
5248



FX000 390 (3.901) RETIME 3104



026BX 11 (3.870) n-Hexane FIND 100



Pacific Environmental Services

Project Number: 46297

Sample File: HW713

Method 8260 VOST

Sample ID: T-V-1-3-A T

Client Project: Hotmix

TLI ID: 214-1-8A

Date Received: 07/25/98

Response File: ICALH809

Date Analyzed: 08/19/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.05 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.005 | J | 1.47 | | 0.05 |
| Chloroethane | 0.007 | J | 1.59 | | 0.05 |
| Trichlorofluoromethane | 0.009 | J | 1.89 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.012 | J | 2.58 | | 0.05 |
| Acetone | 0.589 | | 2.73 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.058 | B | 3.06 | | 0.05 |
| Acrylonitrile | | U | | 0.003 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | 0.509 | | 4.52 | | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 5.78 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.516 | | 5.25 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

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Printed: 18:03 08/24/1998

Pacific Environmental Services

Project Number: 46297
 Sample File: HW713

Method 8260 VOST
 Sample ID: T-V-1-3-A T

Client Project: Hotmix
 TLI ID: 214-1-8A

Date Received: 07/25/98

Response File: ICAH809

Date Analyzed : 08/19/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.001 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.001 | 0.05 |
| Toluene | 0.455 | B | 7.76 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₄ | | IS 3 | 10.00 | | |
| Tetrachloroethene | 0.038 | J | 8.59 | | 0.05 |
| 2-Hexanone | | U | | 0.001 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.105 | | 10.33 | | 0.05 |
| m-/p-Xylene | 0.758 | B | 10.57 | | 0.10 |
| o-Xylene | 0.181 | | 11.28 | | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.001 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.18 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46297
Sample File: HW713

Method 8260 VOST
Sample ID: T-V-1-3-A T

Client Project: Hotmix
TLI ID: 214-1-8A

Date Received: 07/25/98

Response File: ICALH809

Date Analyzed : 08/19/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.258 | 4.92 | 1 | 103 |
| Toluene-d ₈ | 0.338 | 7.67 | 2 | 135 |
| 4-Bromofluorobenzene | 0.341 | 12.29 | 2 | 136 |

Reviewed by VR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 18:03 08/24/1998

Pacific Environmental Services

Project Number: 46297
 Sample File: HW713

Method 8260 VOST
 Sample ID: T-V-1-3-A T

Client Project: Hotmix
 TLI ID: 214-1-8A

Date Received: 07/25/98

Response File: ICALH819

Date Analyzed : 08/19/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|-----------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 High | 5.05 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.019 | J | 3.41 | | 0.25 |
| n-Hexane | 0.111 | BJ | 3.67 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.011 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 5.78 | | |
| Ethyl acrylate | | U | | 0.001 | 0.25 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

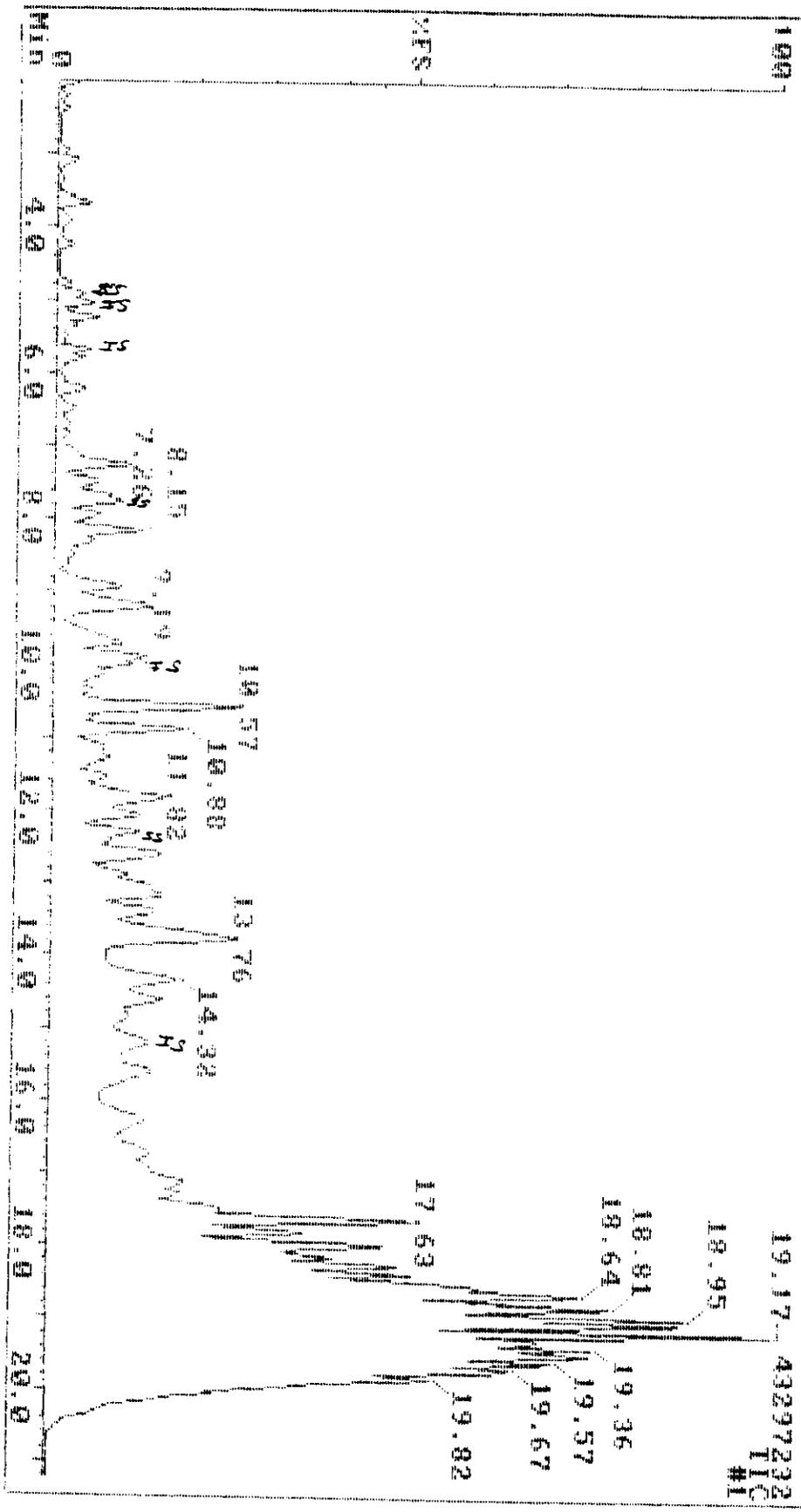
IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7
 Printed: 18:34 08/24/1998

98

00-19-99 10:06
 Sample: 10-1-30 1 2141160 10/14/97
 10713
 Instrument #1



| No. | MAT | FOR | REV | Delta | Area | P.F | Flags | RT | QM | Name | |
|-----|-----|-----|-----|-------|--------------------|---------------|-------|-------|-----|-----------------------------|----------------------|
| 1 | 99 | 64 | 96 | 1 | 5884232 | bu | | 5.05 | 168 | Pentafluorobenzene | |
| 2 | 100 | 79 | 9a | 0 | 5448160 | bv | | 5.78 | 114 | 1,4-Difluorobenzene | |
| 3 | 84 | 59 | 77 | 2 | 5510642 | bv | | 10.00 | 117 | Chlorobenzene-d5 | |
| 4 | 70 | 25 | 89 | 4 | 5201178 | bv | | 15.18 | 152 | 1,4-Dichlorobenzene-d4 | |
| 5 | 100 | 55 | 99 | 0 | 2133728 | bv | | 4.92 | 115 | Tribromofluoromethane | |
| 6 | 98 | 71 | 89 | 1 | 532635e | bb | | 7.67 | 98 | Octane-d8 | |
| 7 | 73 | 49 | 75 | 2 | 5534592 | vv | | 12.29 | 95 | 4-Bromofluorobenzene | |
| 8 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 85 | Dichlorodifluoromethane | |
| 9 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 50 | Chloromethane | |
| 10 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 62 | Vinyl Chloride | |
| 11 | 95 | 70 | 90 | -2 | 31540 | bb | | 1.47 | 94 | Bromomethane | |
| 12 | 61 | 32 | 71 | -3 | 29444 | bb | | 1.52 | 64 | Chloroethane | |
| 13 | 92 | 64 | 94 | -2 | 641896 | bb | | 1.89 | 101 | Trichlorofluoromethane | |
| 14 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 16 | 1,1-Dichloroethane | |
| 15 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 142 | Iodomethane | |
| 16 | 74 | 40 | 81 | -1 | 190980 | bb | | 2.53 | 76 | Carbon tetrachloride | |
| 17 | 97 | 82 | 92 | 5 | 457462 | vv | | 2.73 | 47 | Acetone | |
| 18 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 41 | Acetyl chloride | |
| 19 | 0 | 0 | 0 | 0 | 31673 | vm | | 4.17 | 306 | Methylacetyl chloride | |
| 20 | 98 | 10 | 38 | -4 | 31673 | vm | | 4.17 | FP | 55 | Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 106 | Isobutylchlorobenzene | |
| 22 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 51 | 1,2-Dichloroethane | |
| 23 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 37 | Vinyl acetate | |
| 24 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 33 | 1,2-Dichloropropane | |
| 25 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 20 | cis-1,2-Dichloroethane | |
| 26 | 100 | 80 | 95 | 2 | 497917 | bv | | 1.12 | 45 | 2-Pentanone | |
| 27 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 83 | Chloroform | |
| 28 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 128 | Bromodichloromethane | |
| 29 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 95 | 1,1,1-Trichloroethane | |
| 30 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 117 | Carbon tetrachloride | |
| 31 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 75 | 1,1-Dichloropropene | |
| 32 | 100 | 97 | 99 | 1 | 3344602 | bv | | 3.25 | 72 | Benzene | |
| 33 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 62 | 1,2-Dichloroethane | |
| 34 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 150 | Trichloroethane | |
| 35 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 63 | 1,2-Dichloropropane | |
| 36 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 93 | Dibromomethane | |
| 37 | 42 | 44 | 56 | -14 | 1275584 | bu | | 6.42 | FP | 41 | Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 83 | Bromodichloromethane | |
| 39 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 75 | cis-1,2-Dichlorocyclohexane | |
| 40 | 50 | 23 | 63 | -3 | 421264 | bb | | 7.68 | FP | 43 | 4-Methyl-2-pentanone |
| 41 | 100 | 88 | 99 | 0 | 6375234 | bb | | 7.76 | 92 | Toluene | |
| 42 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 75 | trans-1,3-Dichloropropane | |
| 43 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 97 | 1,1,2-Trichloroethane | |
| 44 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 49 | Ethyl methacrylate | |
| 45 | 71 | 55 | 80 | 0 | 321832 | bu | | 8.59 | 154 | Tetrachloroethene | |
| 46 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 76 | 1,3-Dichloropropane | |
| 47 | 44 | 26 | 67 | -10 | 4539858 | bv | | 8.92 | FP | 43 | 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 129 | Dibromochloromethane | |
| 49 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 107 | 1,2-Dibromoethane | |
| 50 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 112 | Chlorobenzene | |

Data Review: *YM*
Date: *8/19/08*

| No. | MAT | FOR | REV | Delta | Area | P. Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|----------|----------|-------|-----|----------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 131 | 1,1,1,2-Tetrachloroethane |
| 52 | 88 | 57 | 88 | -1 | 1249020 | bv | 10.33 | 106 | Ethylbenzene |
| 53 | 100 | 74 | 71 | -1 | 11298750 | vv | 10.57 | 106 | m-xyl-xylene |
| 54 | 92 | 64 | 87 | 0 | 2551878 | vv | 11.23 | 106 | o-xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 173 | Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 | 1,1,1,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 | 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 120 | n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 | trans-1,4-Dichloro-2-but |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 | 4-Chlorotoluene |
| 65 | 41 | 51 | 72 | -24 | 12849120 | vv | 13.18 | 105 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 | tert-Butylbenzene |
| 67 | 96 | 59 | 95 | 0 | 13821780 | vi | 14.33 | 105 | 1,2,4-Trimethylbenzene |
| 68 | 39 | 10 | 55 | -2 | 1074490 | lv | 14.55 | 105 | sec-butylbenzene |
| 69 | 65 | 31 | 71 | 1 | 6726024 | lv | 15.45 | 119 | p-xylene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 | sec-butyltoluene |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 | n-Propylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 | 1,2-Dichloro-3-chloropropr |
| 76 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 180 | 1,2,3-Trichlorobenzene |
| 77 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 295 | Hexachlorobutadiene |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 103 | Diethylbenzene |
| 79 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 130 | 1,2,3-Trichlorobenzene |

YR 8/19/98

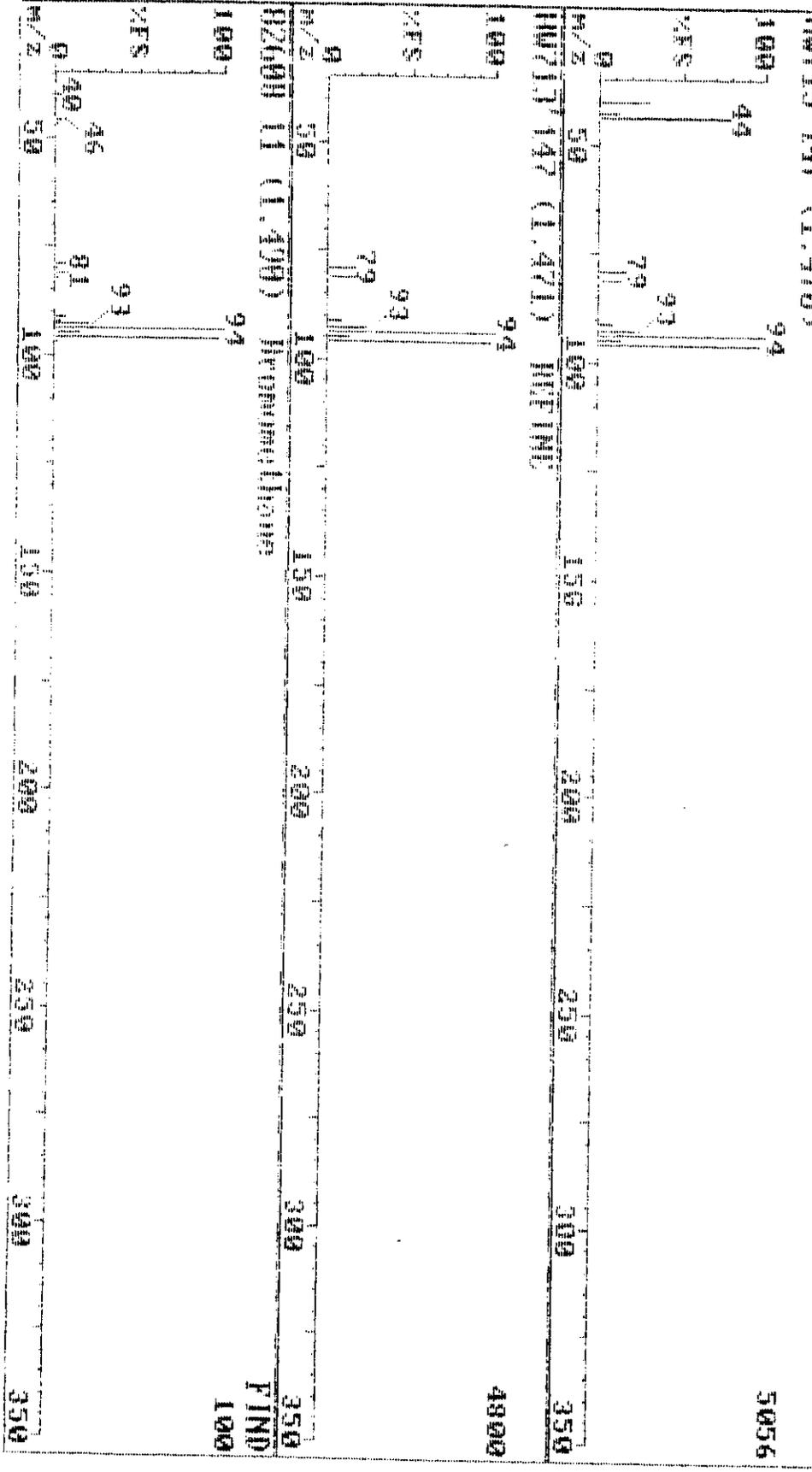
| No. | MAT | FOR | REV | Delta | Area | P | Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|--------------------|---------------|-------|-----------------|---------------|----------------------------|
| 1 | 99 | 64 | 96 | 1 | 3884272 | bb | | 5.05 | 168 | Pentafluorobenzene |
| 2 | 100 | 79 | 94 | 1 | 3448160 | bv | | 5.73 | 114 | 1,4-Difluorobenzene |
| 3 | 34 | 59 | 77 | 2 | 3510642 | bv | | 60.00 | 117 | Chlorobenzene-d5 |
| 4 | 69 | 25 | 89 | 7 | 3201178 | bv | | 15.13 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 98 | 63 | 99 | 1 | 2133708 | bv | | 4.92 | 113 | Dibromofluoromethane |
| 6 | 100 | 71 | 89 | 0 | 6326836 | ob | | 7.67 | 98 | Toluene-d8 |
| 7 | 39 | 49 | 75 | 4 | 3834992 | vv | | 12.29 | 95 | 4-Bromofluorobenzene |
| 8 | 66 | 43 | 74 | 6 | 113760 | vv | | 1.17 | FP | 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | | 0.00 | 106 | Vinyl bromide |
| 10 | 93 | 72 | 79 | 0 | 90320 | bv | | 5.41 | 73 | MTBE |
| 11 | 100 | 97 | 100 | 0 | 3996291 | vv | | 5.67 | 57 | n-Hexane |
| 12 | 82 | 59 | 75 | -2 | 416072 | bv | | 1.21 | FP | 1,2-Epoxybutane |
| 13 | 70 | 51 | 64 | 1 | 212085 | bt | | 1.17 | FP | Pro-Octane |
| 14 | 41 | 30 | 69 | -14 | 1733226 | bv | | 2.27 | FP | Ethyl acetate |

MC8119188

01-19-95 10:06 Triang Laboratories, Inc. (319) 544-5720

Sample: T-0-1-3-A T 24-1-00 11846297

Instrument H



09-19-90 10:06

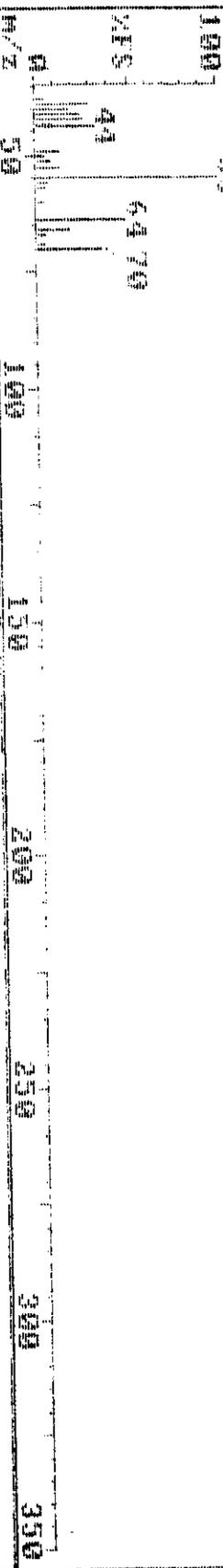
Telavie Laboratories, Inc. (919) 644-5720

Sample: T-V-1-37

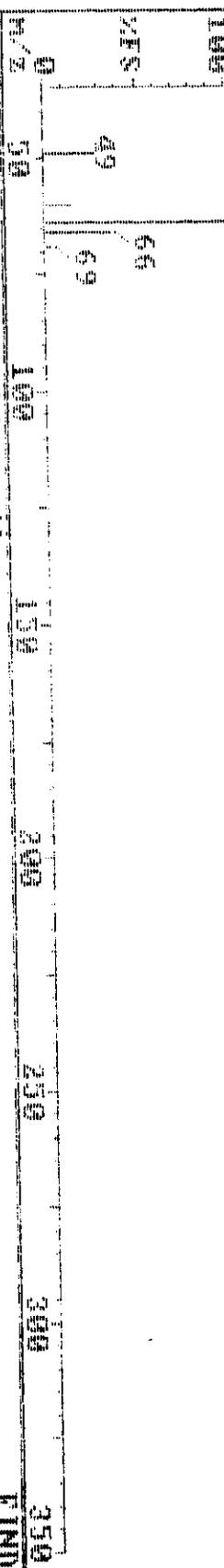
T 214-100 T1446297

Instrument H

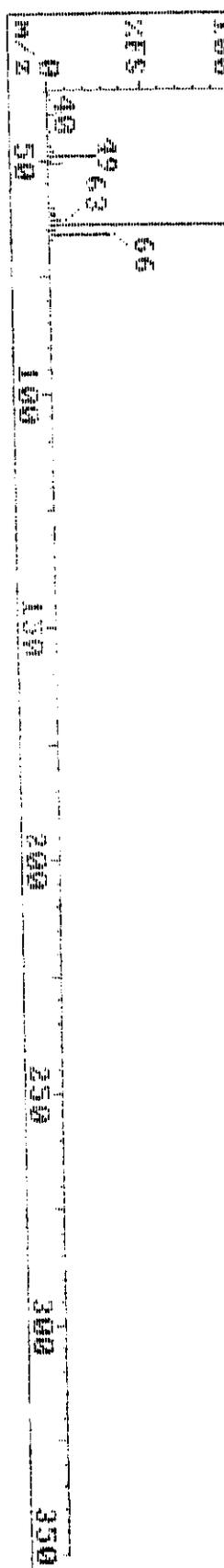
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5632

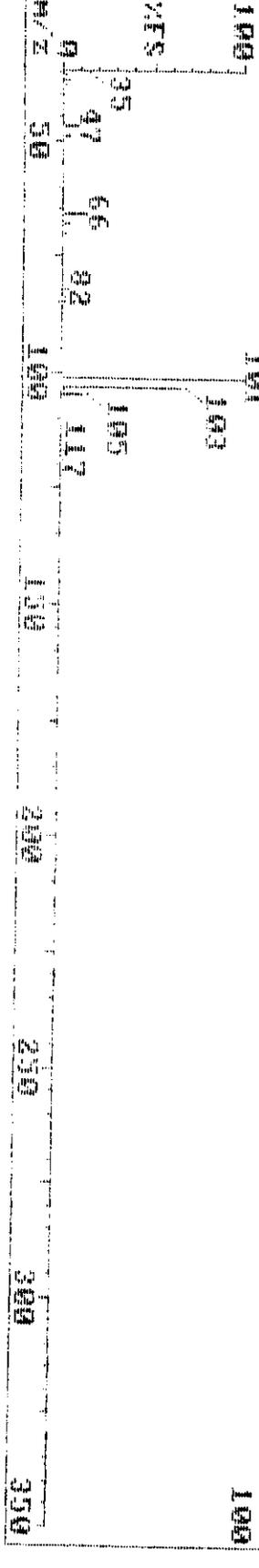
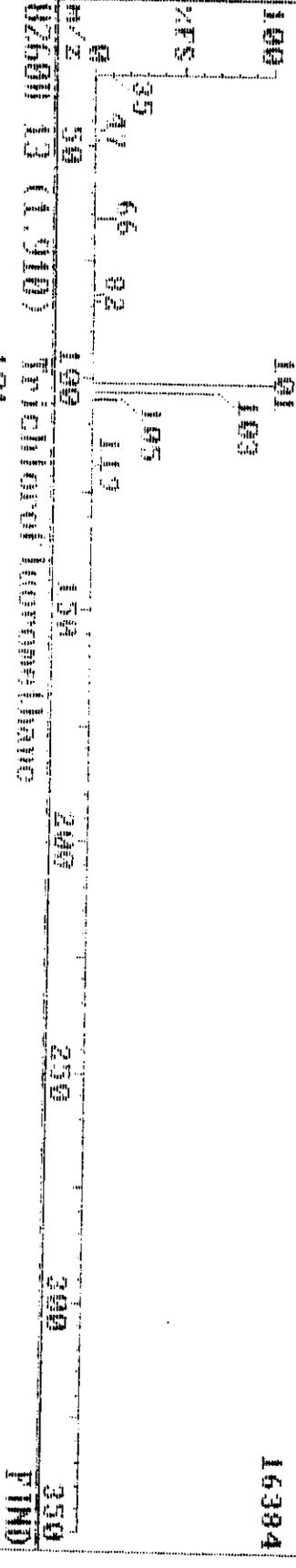
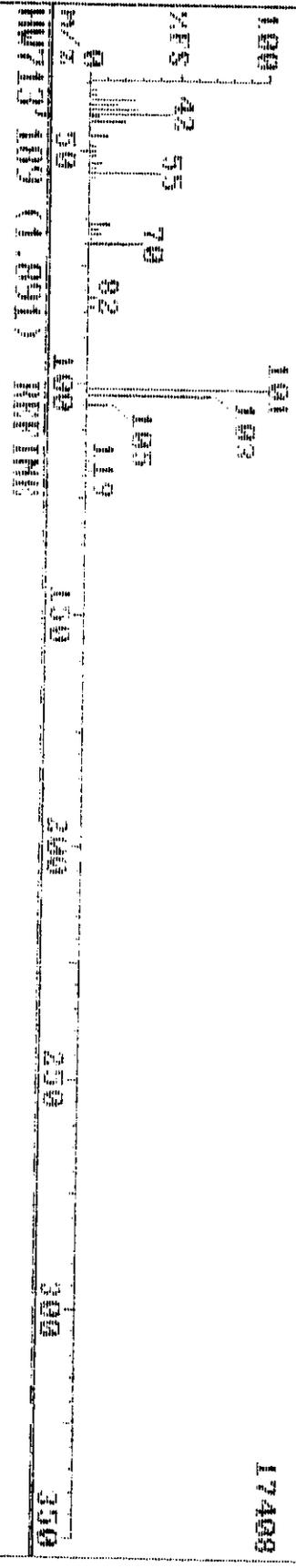


100



100

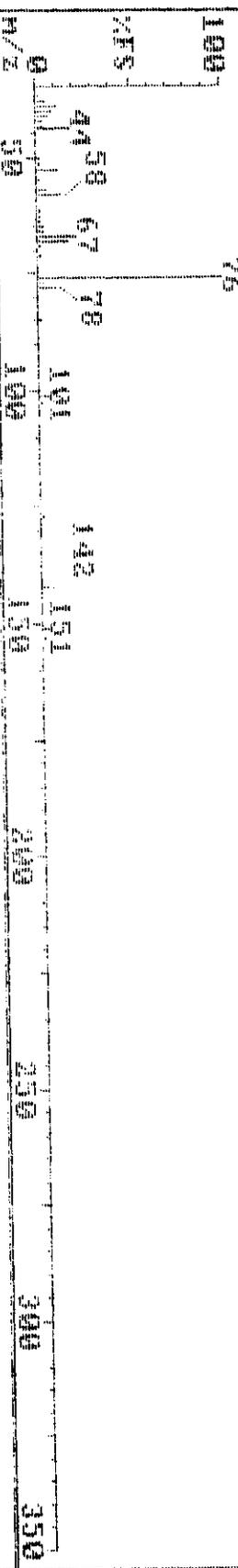
00-19-90 10:06 Triangle Laboratories, Inc. (919) 544-5729
 Sample: T-1-1-97 T 211-00 T146297 Instrument H
 MW13 109 (1.000)



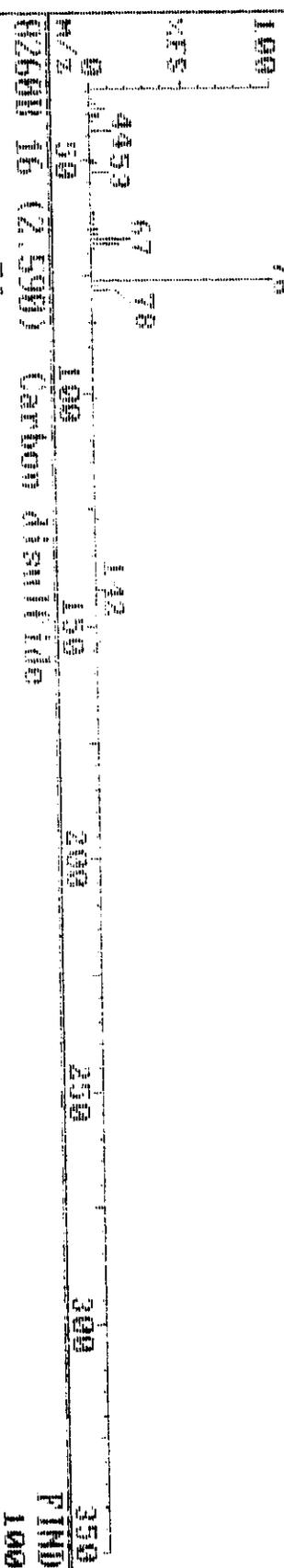
09-19-98 10:06 Triang Laboratories, Inc. (910) 544-5779 Instrument II

Sample: T-U-13-A T 214-150 TMM4297

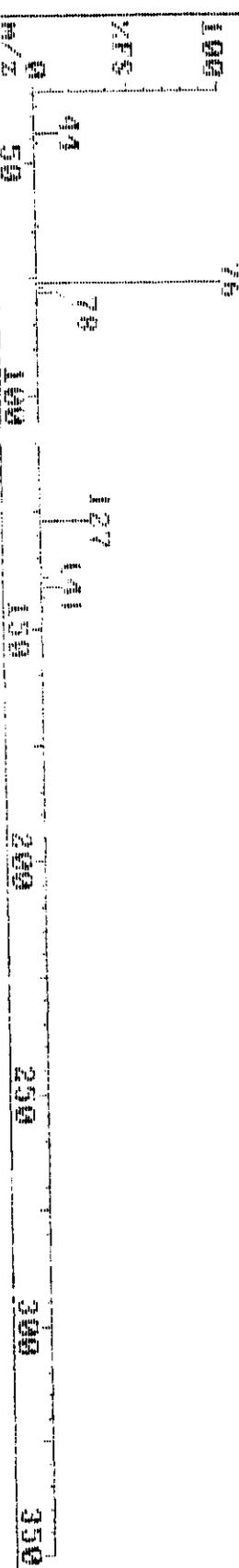
HW713 250 (2.500) 36096



35584



FIND 100



Carbon Disulfide

00-19-90 10:06

Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-1-3-A 1 244-1-M T1146297

Instrument 11

HW713 273 (2.730)

| | | | | | | | | |
|-------|----|----|-----|-----|-----|-----|-----|-----|
| m/z | 43 | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100% | 43 | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 39680 | | | | | | | | |

M/S 44 59

| | | | | | | | |
|-------|----|-----|-----|-----|-----|-----|-----|
| m/z | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100% | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 27136 | | | | | | | |

HW713 273 (2.731) (M/T/M)

| | | | | | | | | |
|-------|----|----|-----|-----|-----|-----|-----|-----|
| m/z | 43 | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100% | 43 | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 27136 | | | | | | | | |

M/S 59 57 59

| | | | | | | | |
|------|----|-----|-----|-----|-----|-----|-----|
| m/z | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100% | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100 | | | | | | | |

02600 17 (2.670) (M/T/M)

| | | | | | | | | |
|------|----|----|-----|-----|-----|-----|-----|-----|
| m/z | 43 | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100% | 43 | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100 | | | | | | | | |

M/S

59

| | | | | | | | |
|------|----|-----|-----|-----|-----|-----|-----|
| m/z | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100% | 59 | 100 | 150 | 200 | 250 | 300 | 350 |
| 100 | | | | | | | |

19-Aug-98 10:06

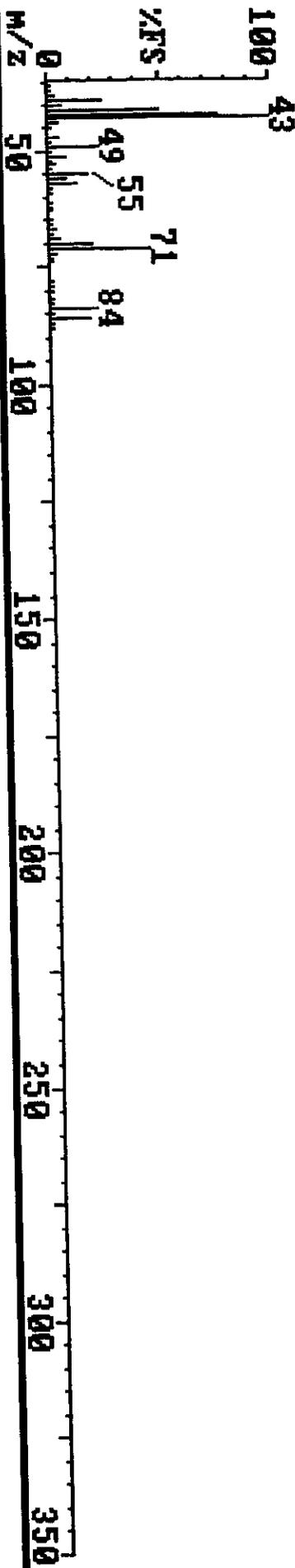
Triangle Laboratories, Inc. (919) 544-5729

Instrument H

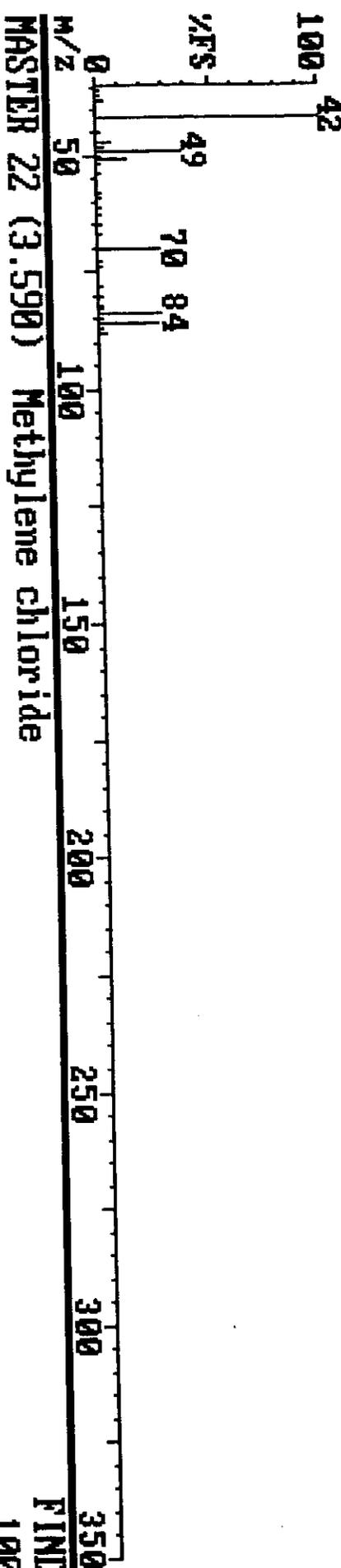
Sample: T-U-1-3-A T 214-1-8A TL#46297

HW713 306 (3.060)

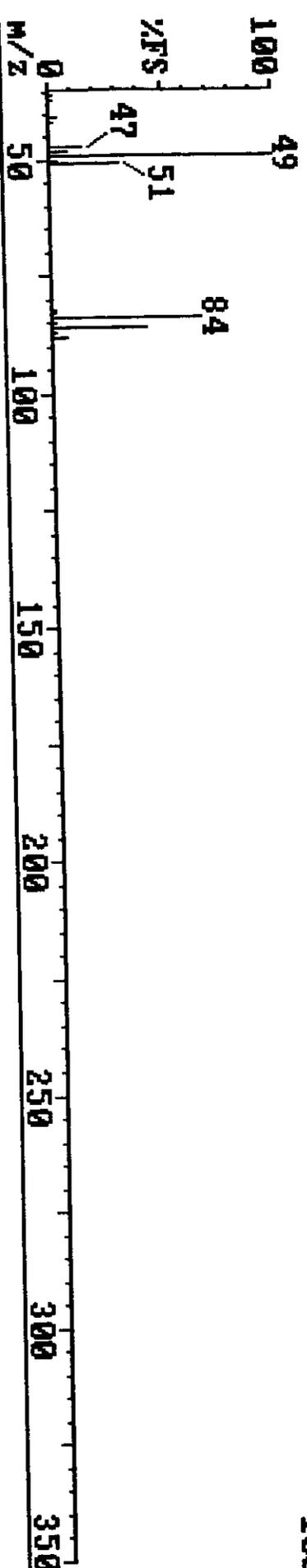
229376



HW713 306 (3.061) REFINE 134144



FIND 100



08-14-98 10:06 Toluene Laboratories, Inc. (019) 544-5720

Sample: T-4-3-A I 21-1-00 TH40797 Instrument H

HW713 452 (4.521)

100 43 63232

MFS 57 72

M/Z 50 100 150 200 250 300 350

HW713 452 (4.521) MW111

100 43 54016

MFS 57 72

M/Z 50 100 150 200 250 300 350

026011 26 (4.190) 7-Minimum

100 43 FTND 100

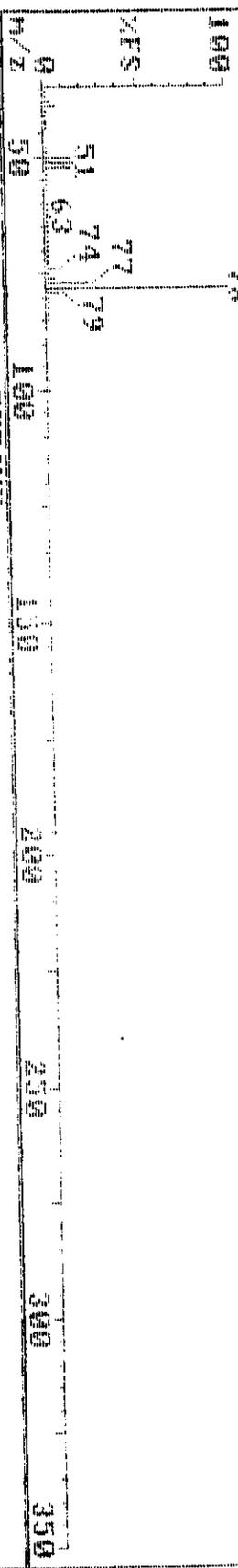
MFS 44 57 72 73

M/Z 50 100 150 200 250 300 350

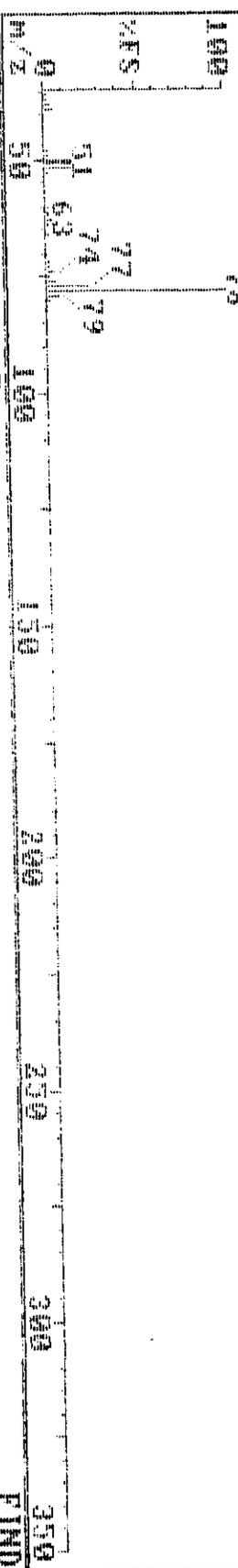
00-19-90 10:06 Tri-Lamie Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-13-7 T 214-1-M 11146797

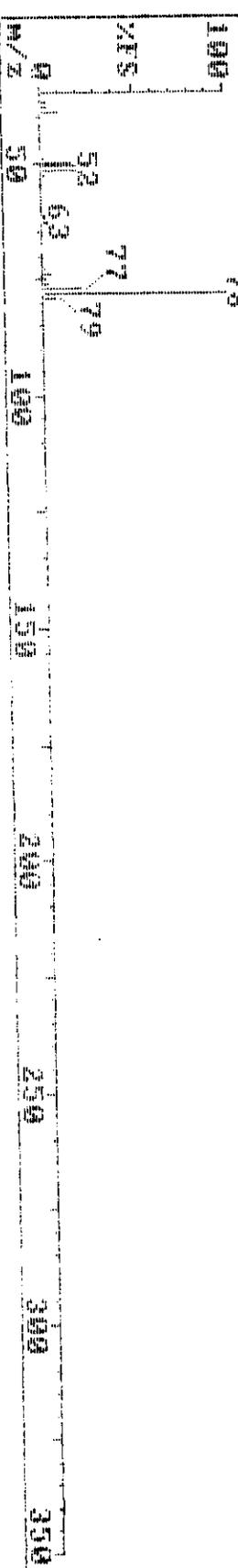
MW713 575 (5.251) 1196032



MW713 575 (5.251) REF: 1130496



02600 32 (5.231) Benzene FIND 100

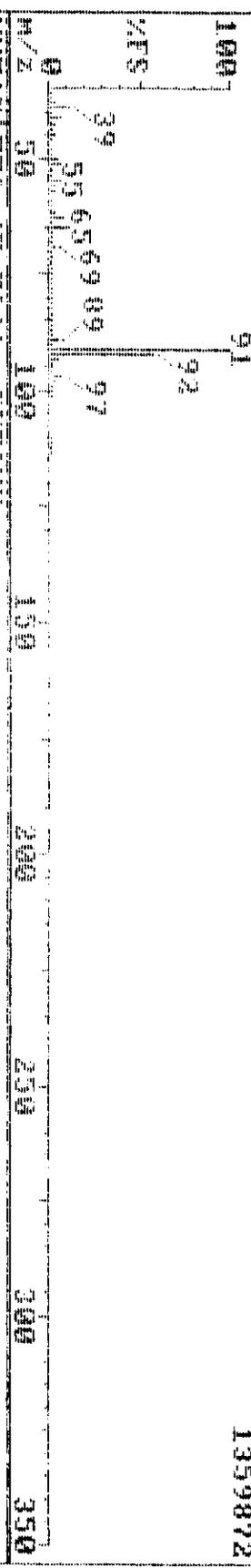


08-19-90 10:06 Triump Laboratories, Inc. (019) 544-5729

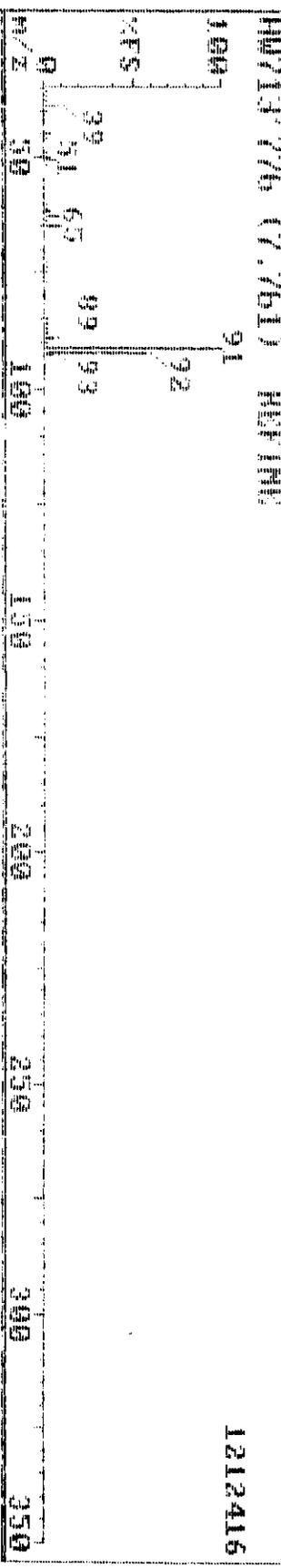
Sample: T-U-1-3-A T 214-10A TH4027? Instrument H

HW713 776 (7.761)

1359872

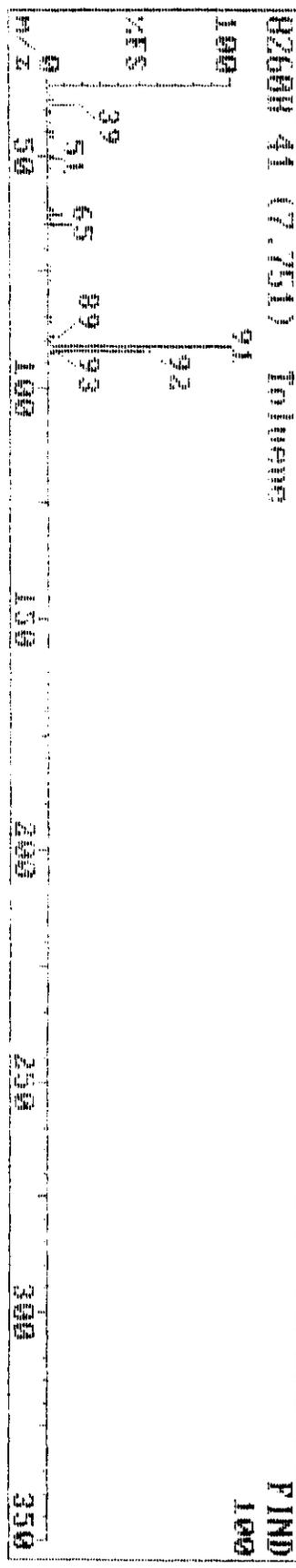


1212416



HW713 776 (7.761) Toluene

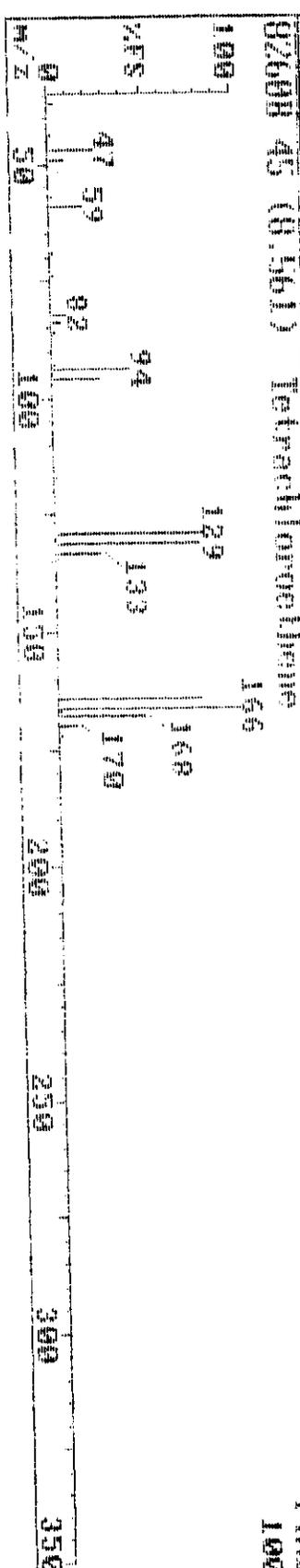
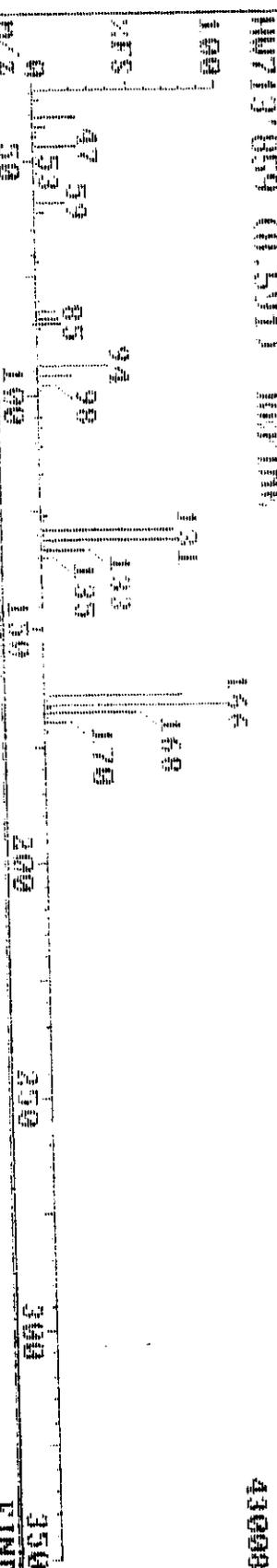
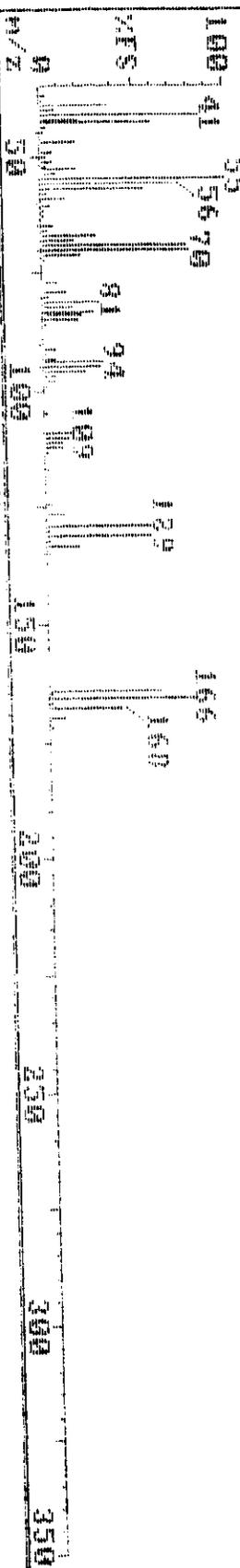
FIND 100



00-10-98 16:26 Pinnacle Laboratories, Inc. (910) 544-5720 Instrument H

Sample: T-U-1-3-A T 214-140 HM0207

HM713 69 (0.501) 62464



00-19-98 10:00

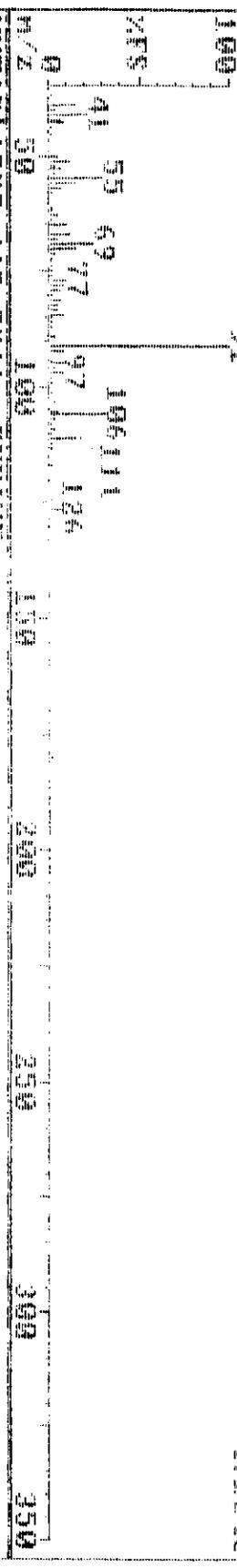
Trihydro Laboratories, Inc. (919) 944-5720

Sample: 19-1-31A 1 24-1-00 1146297

Instrument 11

H0713 1033 (10.311)

471040



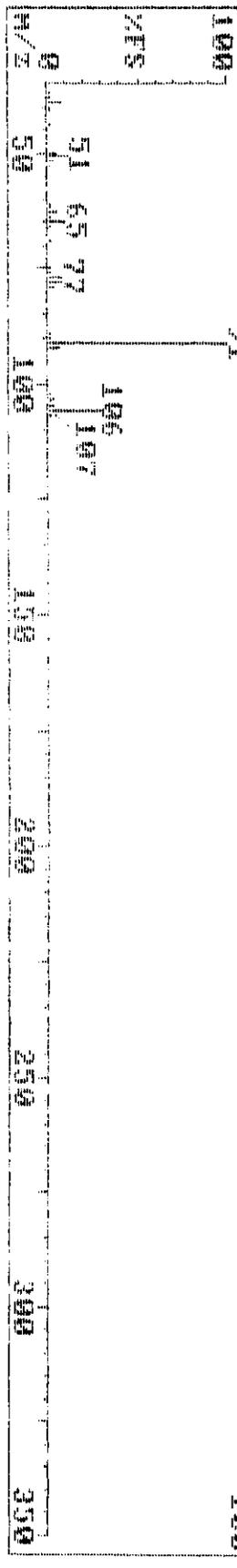
H0713 1033 (10.311) MRM

393216



H02600 92 (10.311) MRM

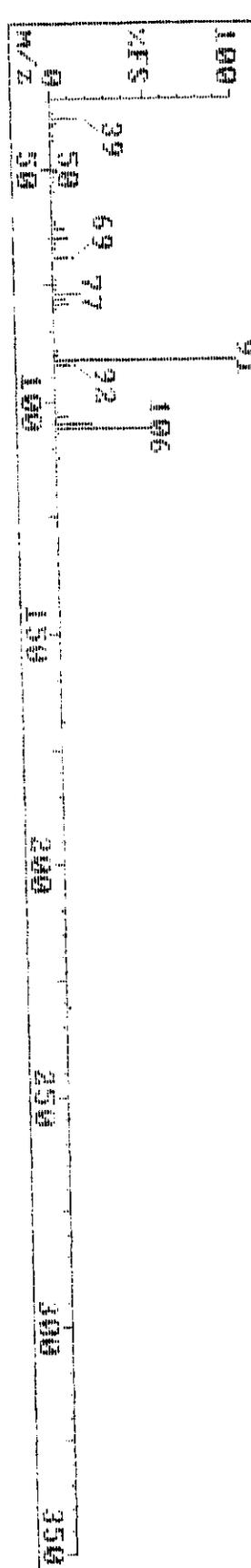
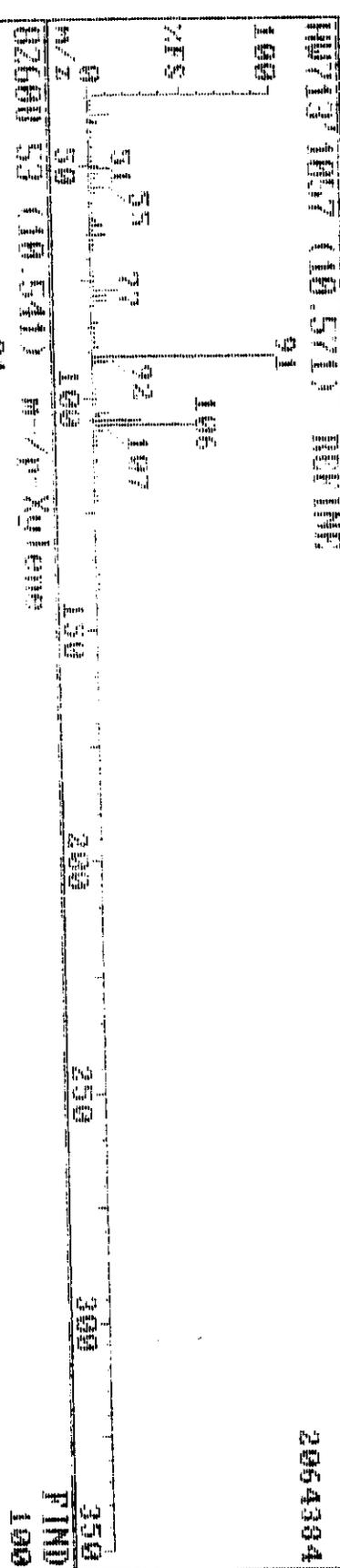
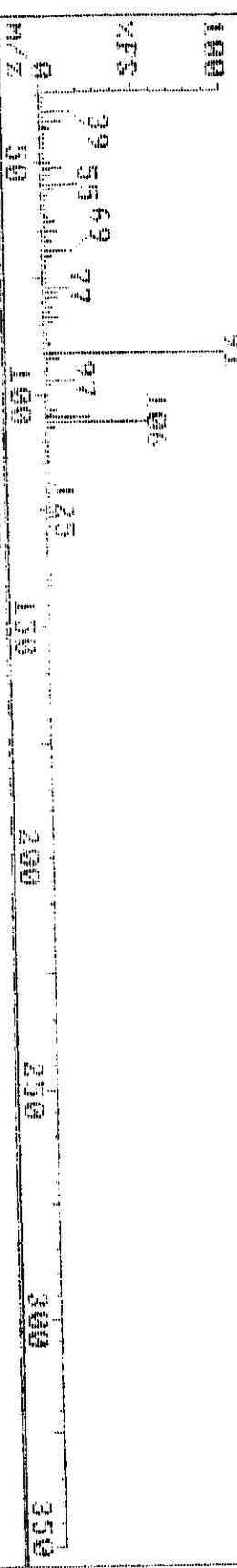
FIND 100



90-19-90 10:06 Triunfo Laboratories, Inc. (919) 544-9729 Instrument H

Sample: T-0-1-3-4 1 214-1-M TH4027

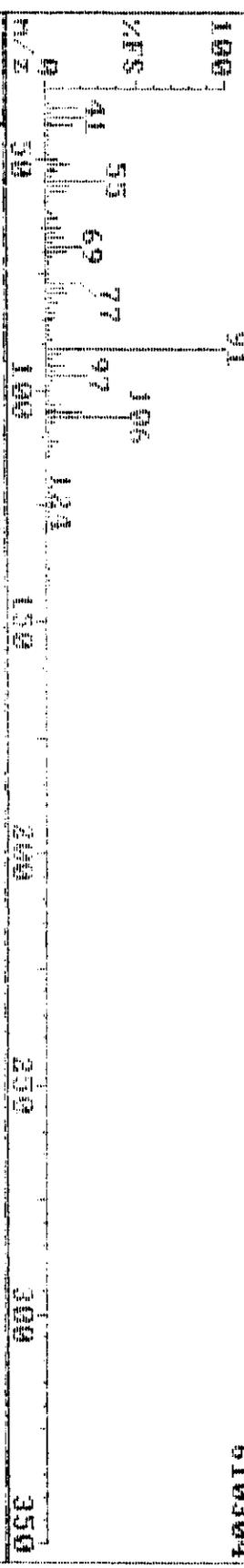
HW713 1007 (10.571) 2409449



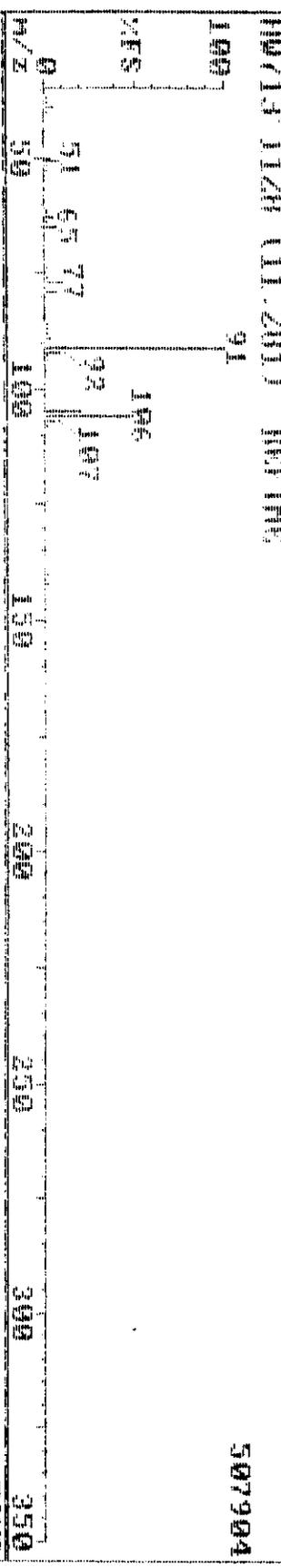
00-19-90 10:00 Triowto Laboratories, Inc. (019) 544-5729

Sample: T-U-1-3 A T 214-1-60 T1146297 Instrument H

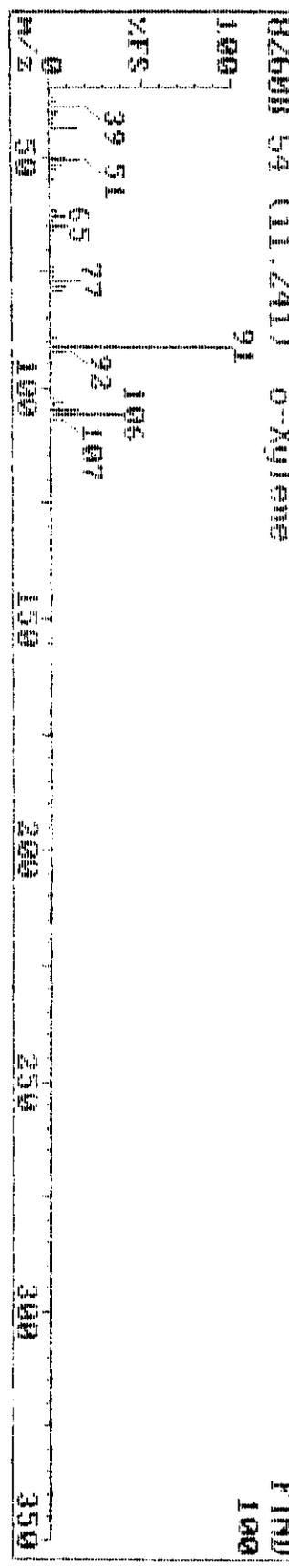
MW713 120 (1.20) 91 610304



507904



PIND 100



08-19-98 10:06

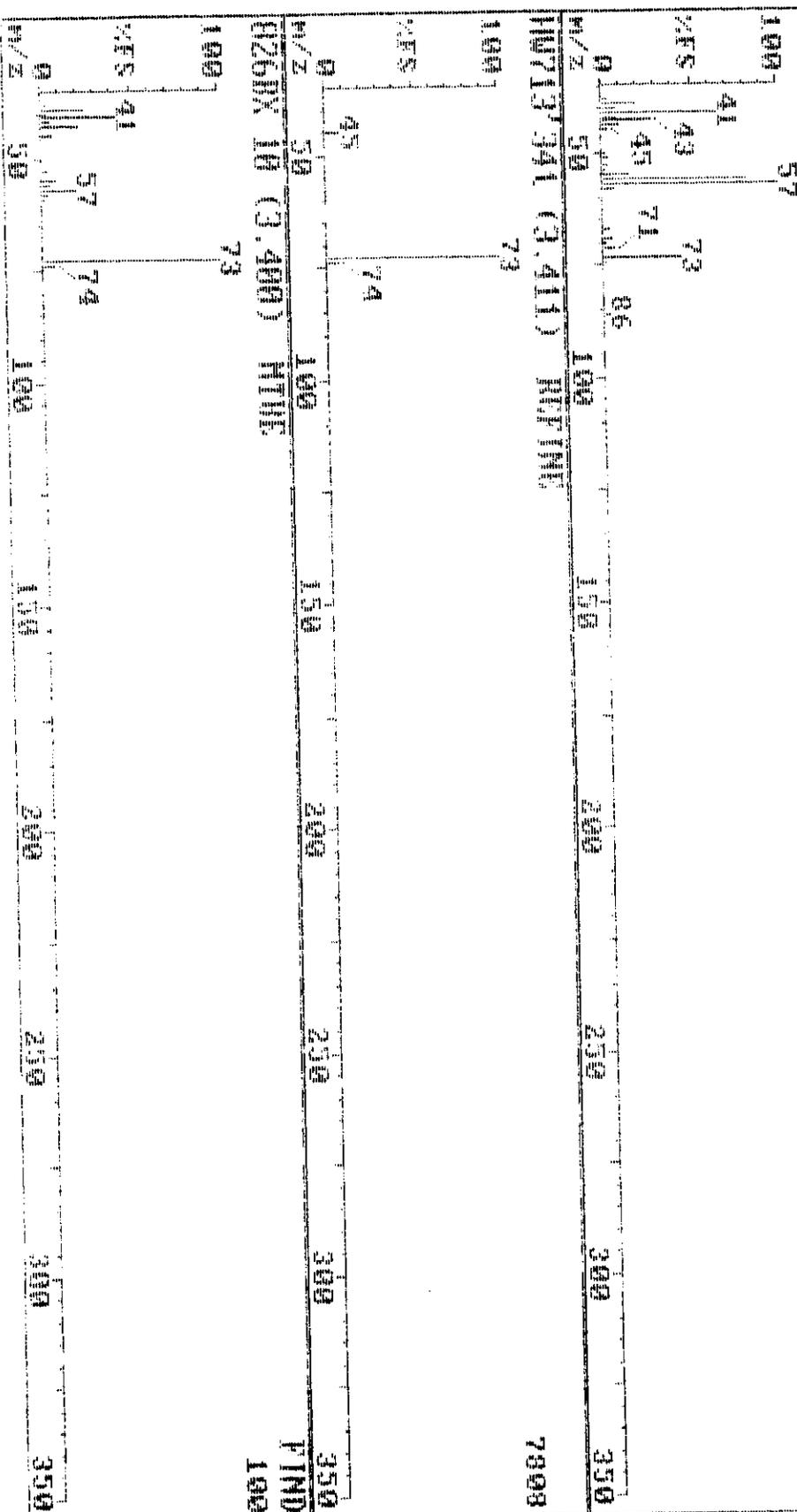
Triangle Laboratories, Inc.

(919) 544-5770

Sample: T U-1-3-A 1 214-1-00 TR46297

Instrument II

22016



19-Aug-98 10:06

Triangle Laboratories, Inc.

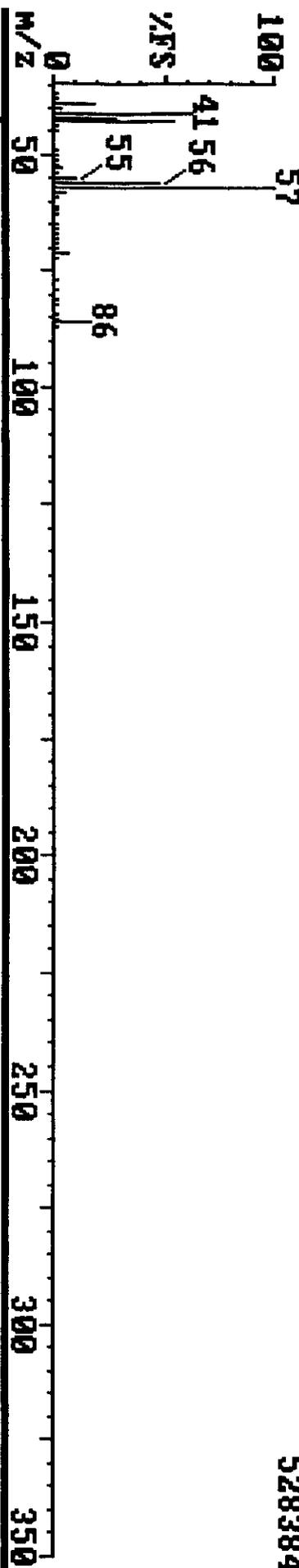
(919) 544-5729

Sample: T-U-1-3-A T 214-1-8A TL1#46297

Instrument H

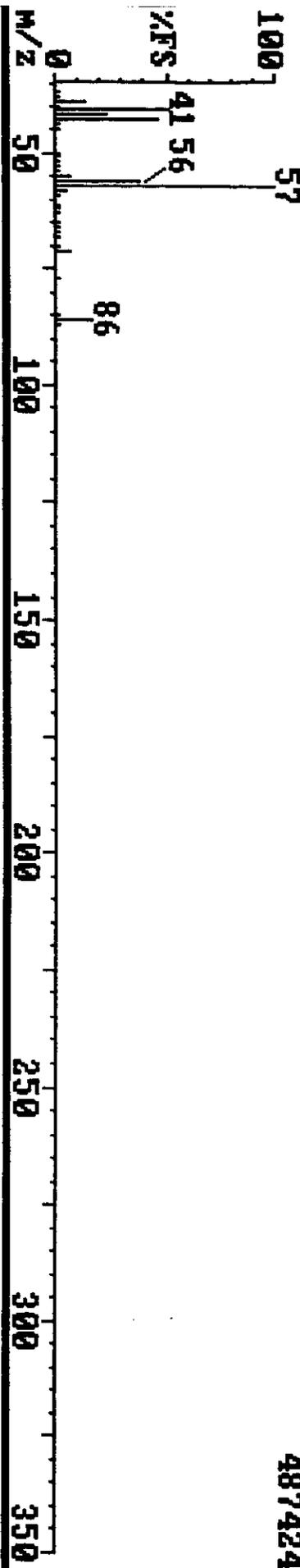
HW713 367 (3.670)

528384



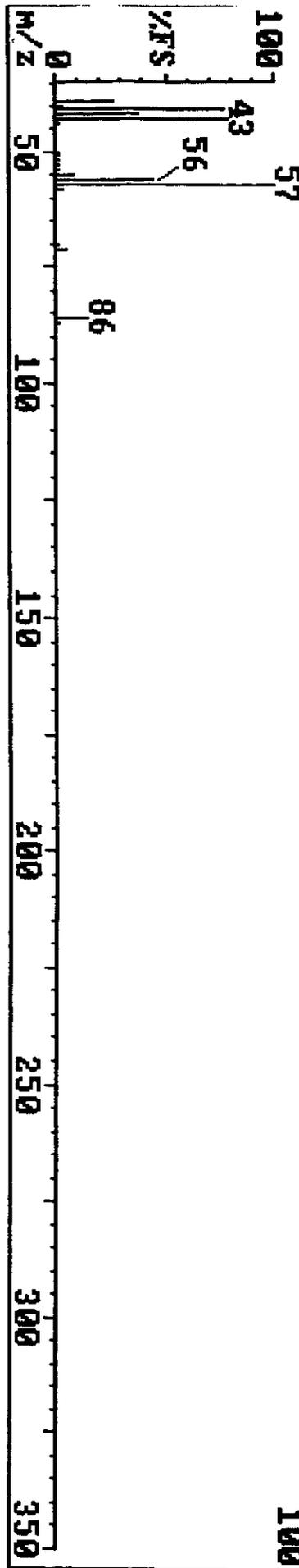
HW713 367 (3.671) REFINE

487424



MASTER 26 (4.240) n-Hexane

FIND 100



Pacific Environmental Services

Project Number: 46297
Sample File: FX882

Method 8260 VOST
Sample ID: T-V-1-3-B TC

Client Project: Hotmix
TLI ID: 214-1-8B

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed: 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | 0.083 | | 1.12 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.109 | | 1.64 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.006 | J | 2.76 | | 0.05 |
| Acetone | 0.077 | | 2.83 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.026 | J | 3.26 | | 0.05 |
| Acrylonitrile | | U | | 0.016 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | | U | | 0.001 | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46297

Sample File: FX882

Method 8260 VOST

Sample ID: T-V-1-3-B TC

Client Project: Hotmix

Date Received: 07/25/98

Response File: ICALF814

TLI ID: 214-1-8B

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.005 | 0.05 |
| Toluene | 0.005 | BJ | 8.08 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.002 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.35 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.006 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.002 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.003 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.72 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.003 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX882

Method 8260 VOST
Sample ID: T-V-1-3-B TC

Client Project: Hotmix
TLI ID: 214-1-8B

Date Received: 07/25/98

Response File: ICALF817

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | 0.001 | J | 3.88 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.011 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.003 | 0.25 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
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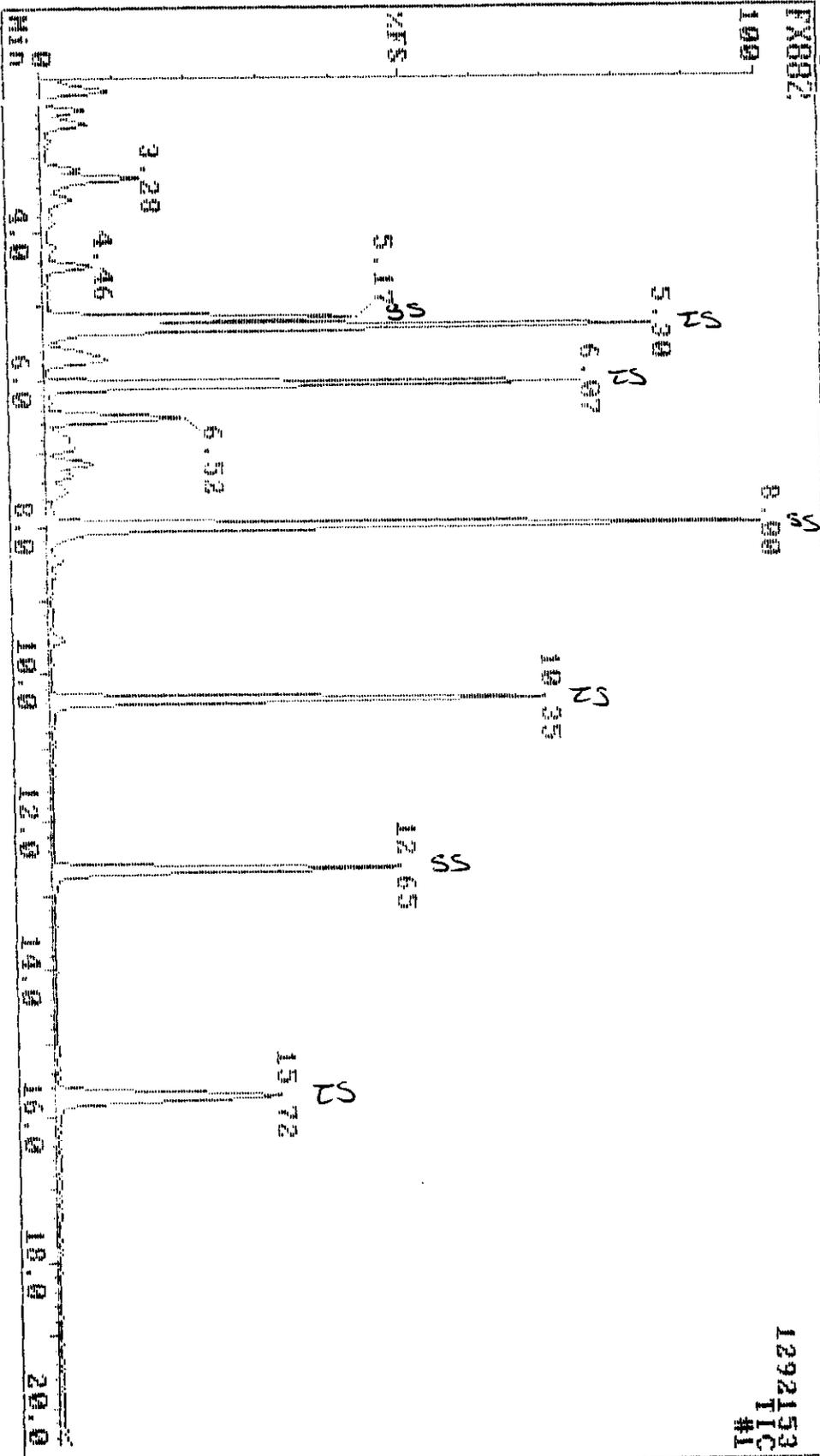
Savar v3.7
Printed: 18:00 08/24/1998

17-Aug-98 19:17

Triangle Laboratories, Inc.
Sample: T-U-1-3-B TO 214-1-98 T1146297

(919) 544-5729

Instrument F



1292153
TIC
#1

Data Review: YK
Date: 8/19/98

| No. | MAT | FOR | REV | Delta | Area | P.F | Flags | RF | QM | Name |
|-----|-----|-----|-----|-------|---------|-----|-------|--------|-----|---------------------------|
| 1 | 100 | 77 | 99 | 1 | 2565532 | bv | | 5.001 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 99 | 0 | 2643408 | bv | | 6.071 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 95 | 95 | 0 | 2211964 | bv | | 10.031 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 79 | 98 | 1 | 836188 | bv | | 13.722 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 87 | 99 | 0 | 1043964 | bb | | 5.181 | 115 | 0ibromo fluoromethane |
| 6 | 100 | 92 | 97 | 1 | 3367004 | bv | | 3.001 | 98 | Toluene-d8 |
| 7 | 100 | 91 | 93 | 0 | 1021344 | bv | | 12.651 | 95 | 4-Bromo fluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 85 | Dichlorodifluoromethane |
| 9 | 0 | 0 | 0 | 0 | 291176 | A | | 1.120 | 50 | Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 62 | Vinyl Chloride |
| 11 | 89 | 60 | 90 | 2 | 197520 | A | | 1.648 | 94 | Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 64 | Chloroethane |
| 13 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 101 | Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 36 | 1,1-Dichloroethene |
| 15 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 102 | Iodomethane |
| 16 | 72 | 53 | 65 | -1 | 55396 | bb | | 2.780 | 70 | Carbon disulfide |
| 17 | 71 | 25 | 88 | 0 | 36296 | A | | 2.813 | 66 | Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 61 | Allyl chloride |
| 19 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 89 | acetylene chloride |
| 20 | 0 | 1 | 9 | -2 | 6344 | sm | | 5.001 | 326 | Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 96 | trans-1,2-dichloroethene |
| 22 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 67 | 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 45 | Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 77 | 2,2-Dichloropropane |
| 25 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 30 | cis-1,2-Dichloroethene |
| 26 | 18 | 14 | 20 | 8 | 2552 | bv | | 1.001 | 93 | 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 83 | Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 123 | Bromochloromethane |
| 29 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 97 | 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 117 | Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | 1,1-Dichloropropene |
| 32 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 73 | Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 62 | 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 150 | Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 65 | 1,2-Dichloropropane |
| 36 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 95 | Dibromomethane |
| 37 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 41 | Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 83 | Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | cis-1,3-Dichloropropene |
| 40 | 38 | 3 | 64 | 4 | 18990 | A | | 3.001 | 43 | 4-Methyl-2-pentanone |
| 41 | 70 | 42 | 73 | -1 | 41356 | bb | | 6.081 | 92 | Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | trans-1,3-Dichloropropene |
| 43 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 97 | 1,1,2-Trichloroethane |
| 44 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 62 | Ethyl methacrylate |
| 45 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 164 | Tetrachloroethene |
| 46 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 76 | 1,3-Dichloropropane |
| 47 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 43 | 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 129 | Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 107 | 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 112 | Chlorobenzene |

6344 sm
 5.001 FP
 326

2552 bv
 1.001 FP
 Methyl

Data Review: YK
 Date: 8/19/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|------|---------|--------|-----|-----------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 131 | 1,1,1,2-Tetrachloroethane |
| 52 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Ethylbenzene |
| 53 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m-/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 173 | Bromoforn |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | 1,1,2,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 120 | n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,4-Dichloro-2-butene |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 4-Chlorotoluene |
| 65 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 119 | tert-Butylbenzene |
| 67 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,2,4-Trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 119 | p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2-Dibromo-3-chloropropane |
| 76 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 180 | 1,2,4-Trichlorobenzene |
| 77 | 39 | 17 | 51 | -4 | 4816 | hb | 19.572 | 225 | Hexachlorocyclohexane |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 180 | 1,2,3-Trichlorobenzene |

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|-------------------|---------------|------------------|---------------|------------------------|
| 1 | 100 | 77 | 99 | 1 | 2565532 | bv | 5.301 | 68 | Pentafluorobenzene |
| 2 | 100 | 97 | 99 | 0 | 2643408 | bv | 6.071 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 95 | 95 | -1 | 2211964 | bv | 10.351 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 79 | 98 | -1 | 836188 | bv | 15.722 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 87 | 99 | 0 | 1043964 | bb | 5.181 | 113 | Dibromofluoromethane |
| 6 | 100 | 92 | 97 | 0 | 3367004 | bv | 8.001 | 98 | Toluene-d8 |
| 7 | 100 | 91 | 93 | -1 | 1021344 | bv | 12.651 | 95 | 4-Bromofluorobenzene |
| 8 | 66 | 40 | 73 | 4 | 49804 | vv | 1.260 | FP | 39 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Vinyl bromide |
| 10 | 79 | 60 | 70 | 2 | 22984 | v | 3.610 | FP | 73 MTBE |
| 11 | 83 | 64 | 69 | 0 | 17868 | bv | 3.880 | 57 | n-Hexane |
| 12 | 59 | 42 | 62 | 6 | 83004 | v | 4.450 | FP | 42 1,2-Epoxybutane |
| 13 | 86 | 64 | 76 | -1 | 167952 | bb | 5.671 | 57 | Iso-Octane |
| 14 | 44 | 28 | 69 | -13 | 286760 | bv | 5.521 | FP | 55 Ethyl acrylate |

ML 8/19/98

17-Aug-98 19:17

Triangle Laboratories, Inc.

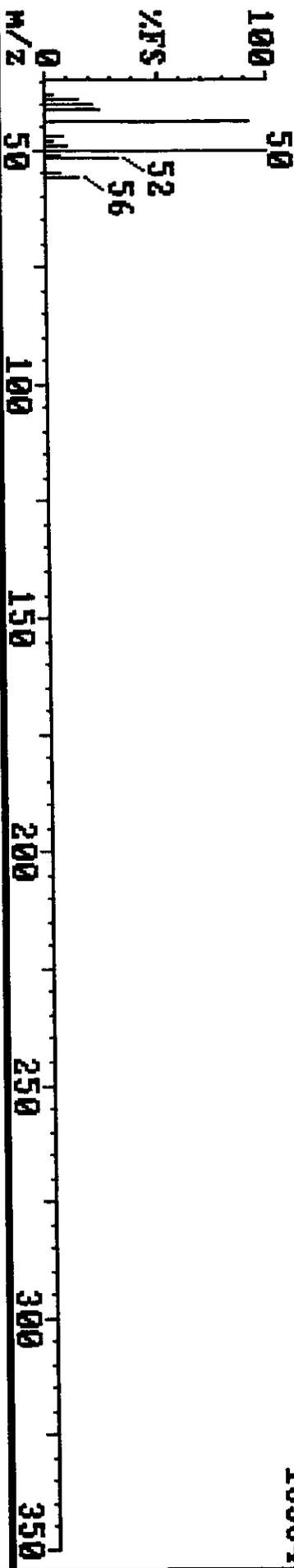
(919) 544-5729

Sample: T-U-1-3-B TC 214-1-8B TL1#46297

Instrument F

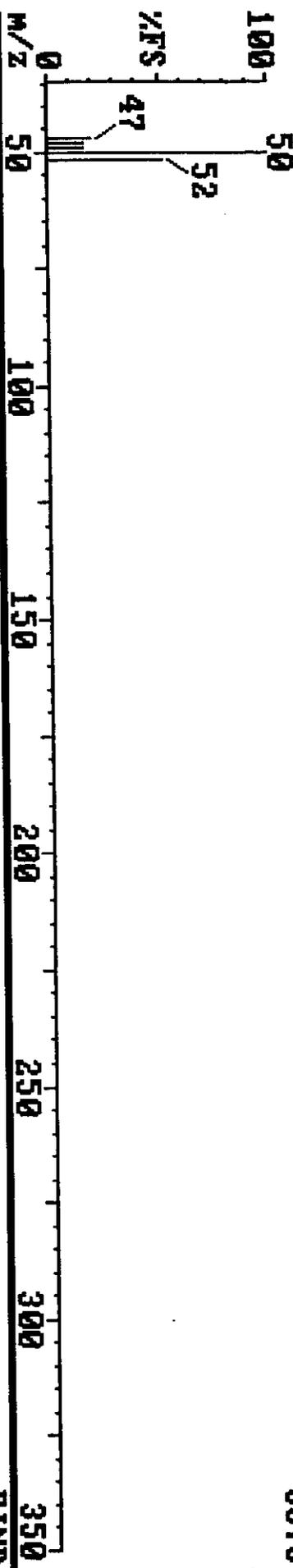
FX882 108 (1.080)

16384



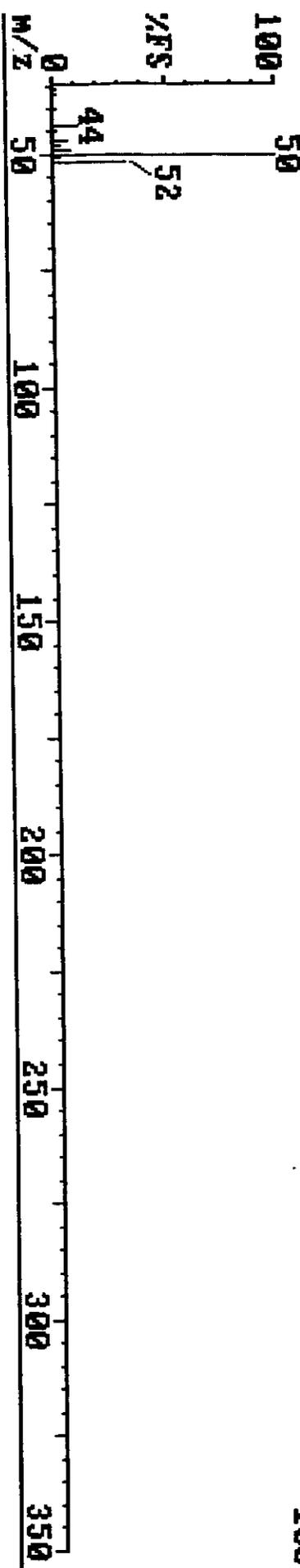
FX882 108 (1.081) REFINE

5376

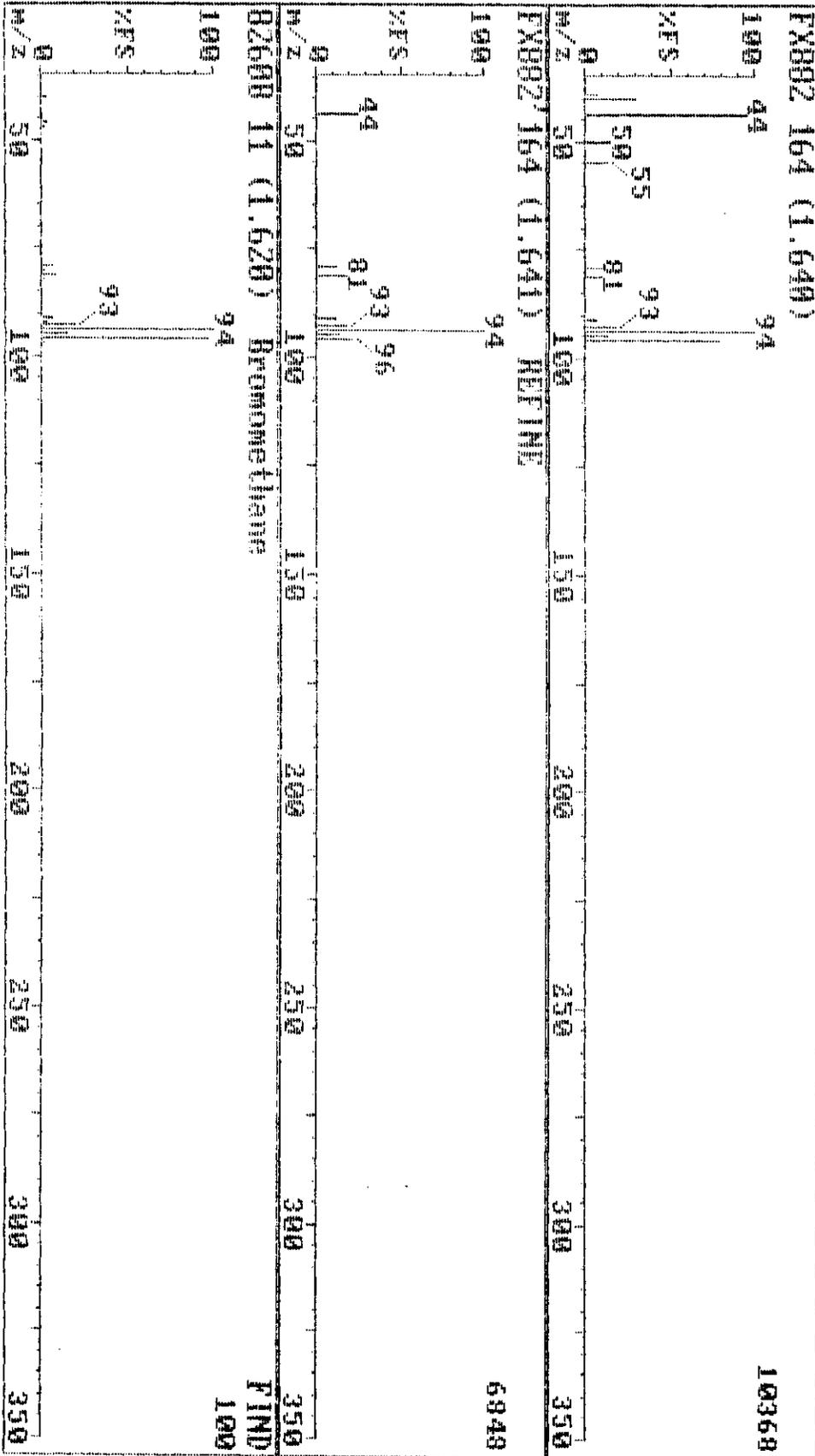


8260 9 (1.230) Chloromethane

FIND 100



17-Aug-98 19:17 Triang Laboratories, Inc. (919) 544-5729
 Sample: T-U-1-3-B TC 214-1-98 TLH4297 Instrument F



17-Aug-98 10:17

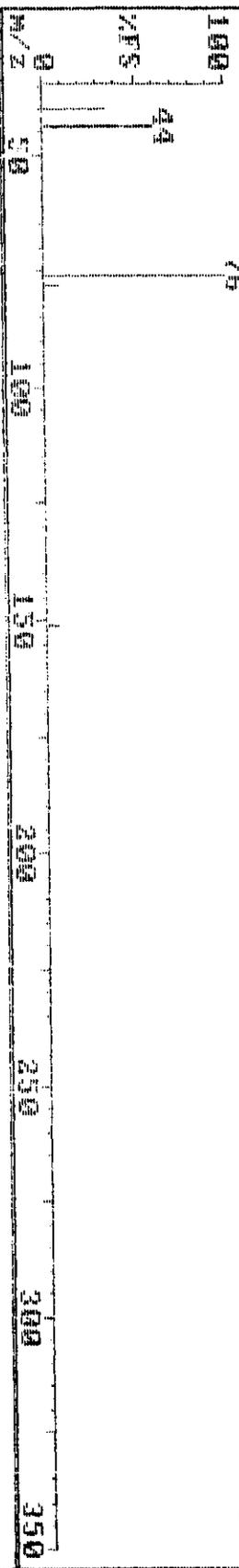
Triajve Laboratories, Inc. (919) 544-5729

Sample: T-U-1-3-B TC 214-1-98 TLM46297

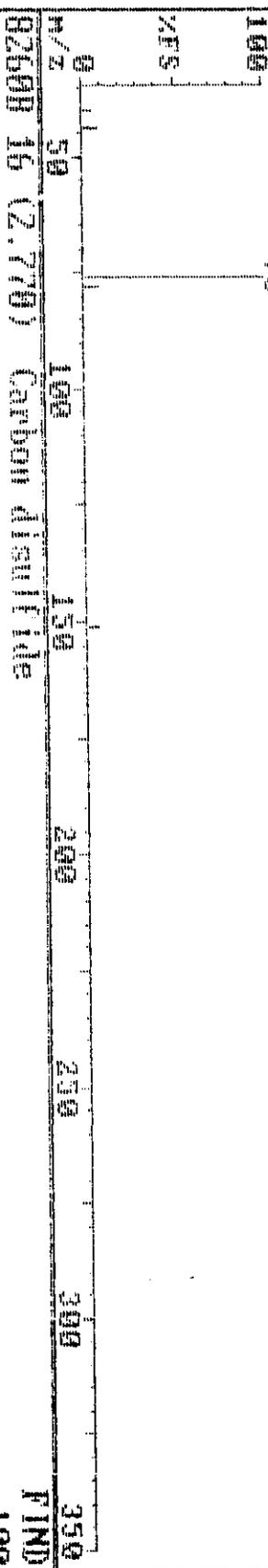
Instrument F

FX082 276 (2.760)

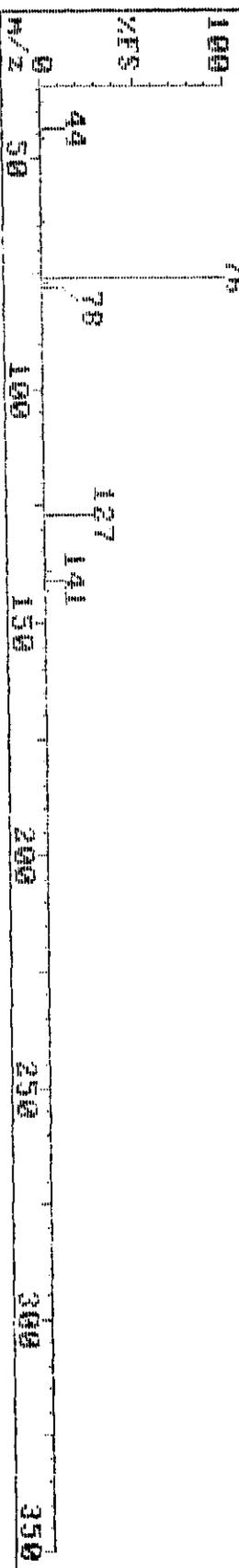
9856



9536



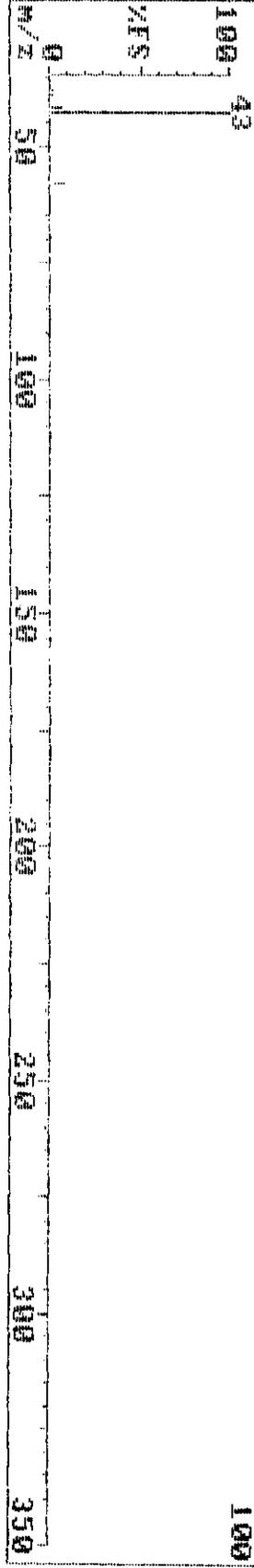
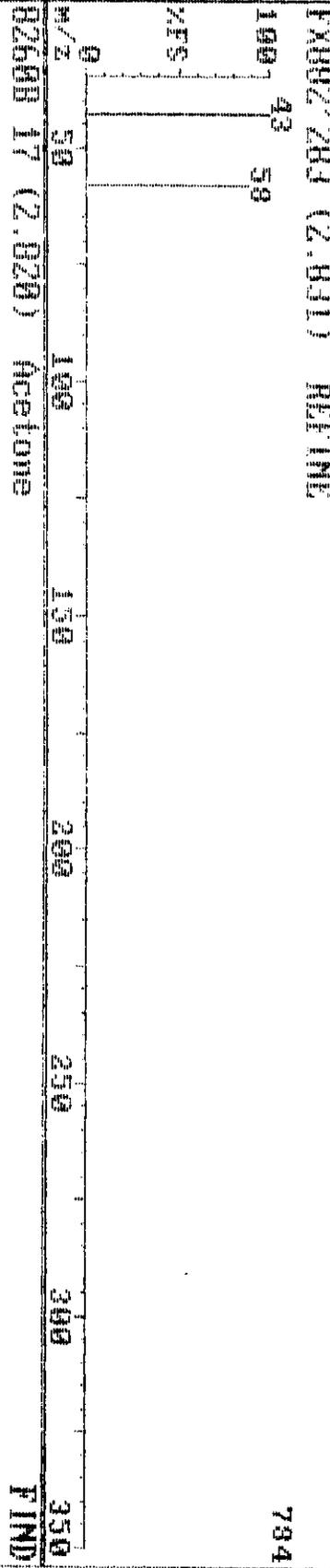
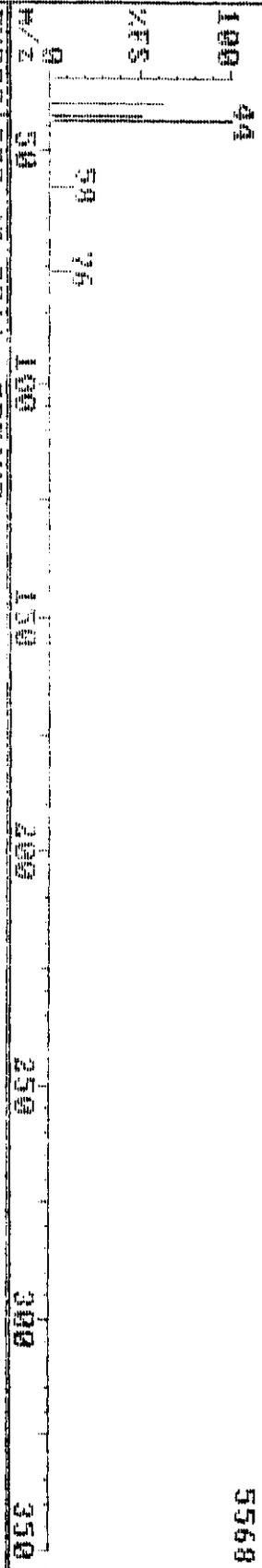
FIND 100



17-Aug-98 19:17 Triang Laboratories, Inc. (919) 544-5729 Instrument F

Sample: T-U-1-3-B TC 214-1-98 T1146297

FX002 283 (2.930) 5568



7-Aug-98 19:17

Triangle Laboratories, Inc.

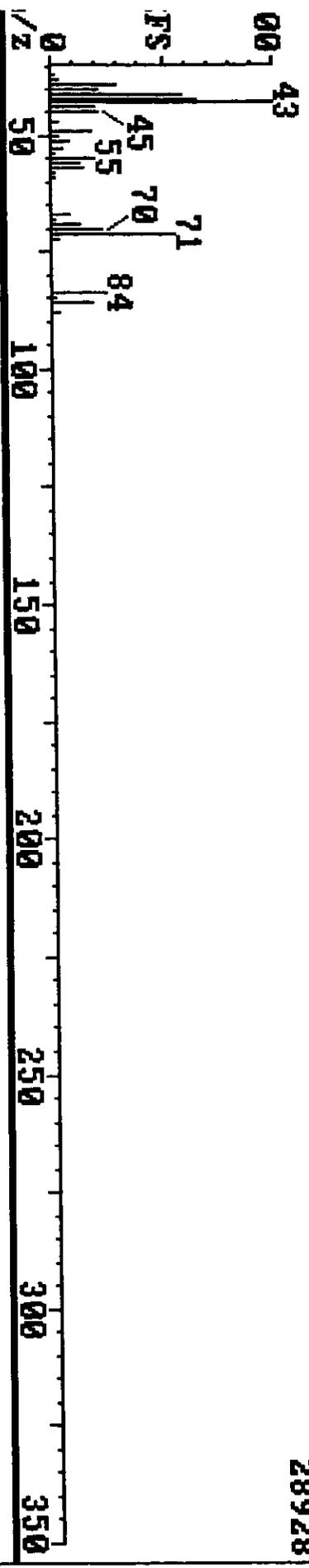
(919) 544-5729

Sample: T-U-1-3-B TC 214-1-8B TL#46297

Instrument F

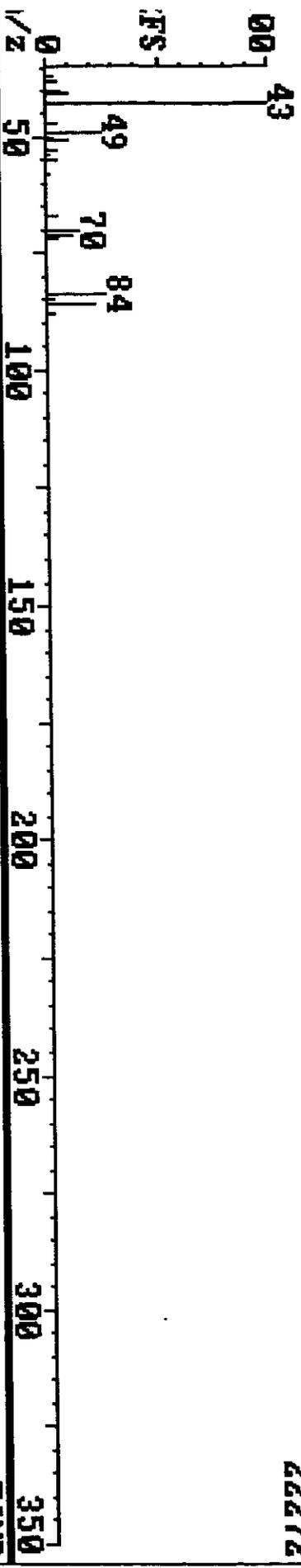
X882 326 (3.260)

28928



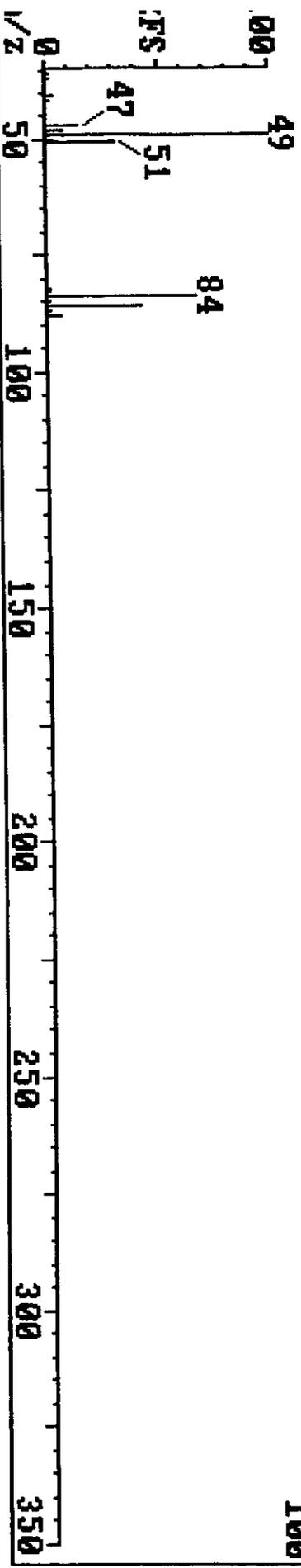
X882 326 (3.261) REFINE

22272



MASTER 22 (3.590) Methylene chloride

FIND
100



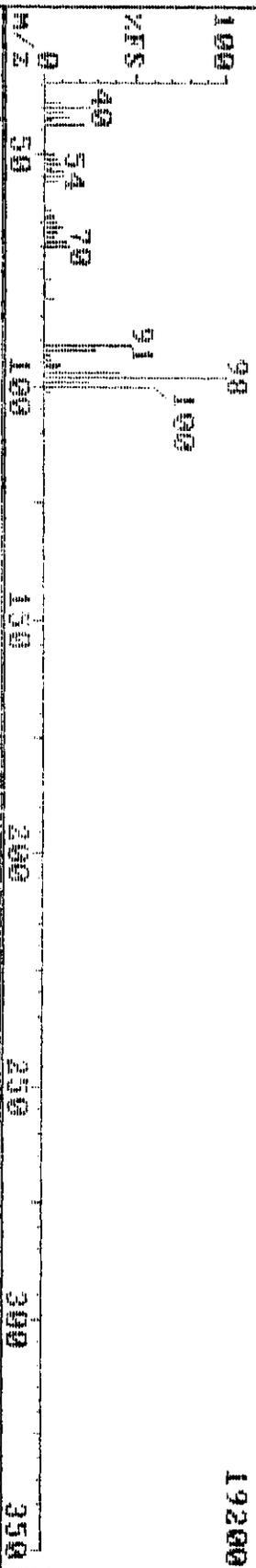
17-Aug-98 19:17

Triangy Laboratories, Inc. (919) 544-5729

Sample: T-U-1-3-B TC 214-1-08 T1146297

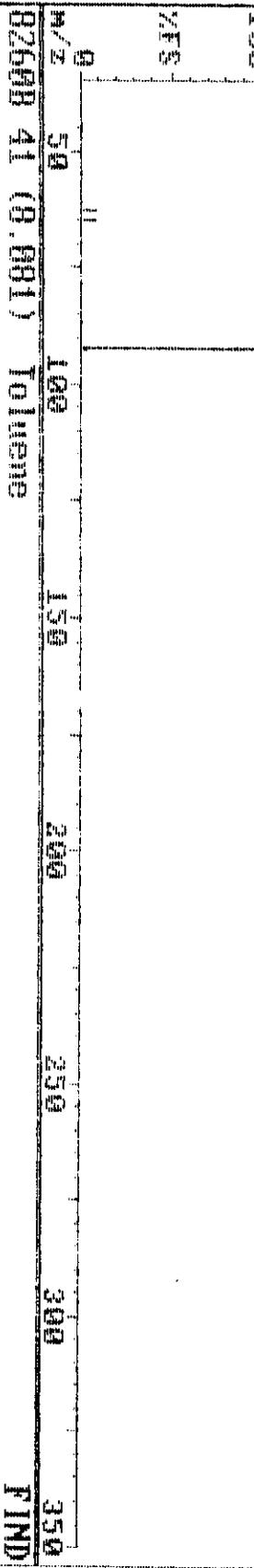
Instrument F

FX802 808 (8.001)



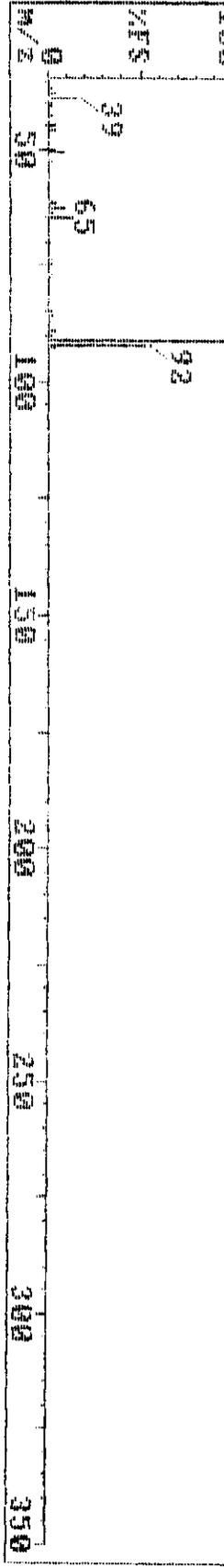
FX802 808 (8.001) REFINE

48000



BZ608 41 (8.001) TOLUENE

FIND 100



17-Aug-90 19:47

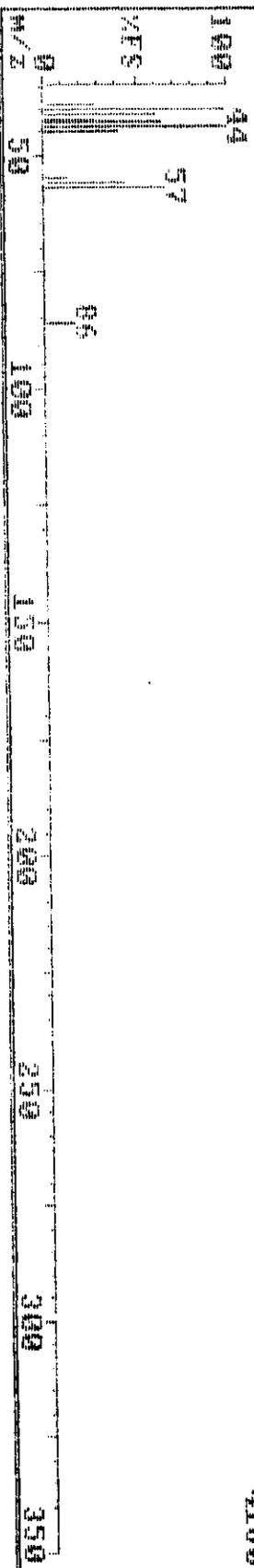
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-0-1-3-B 10 214-1-90 T11446297

Instrument F

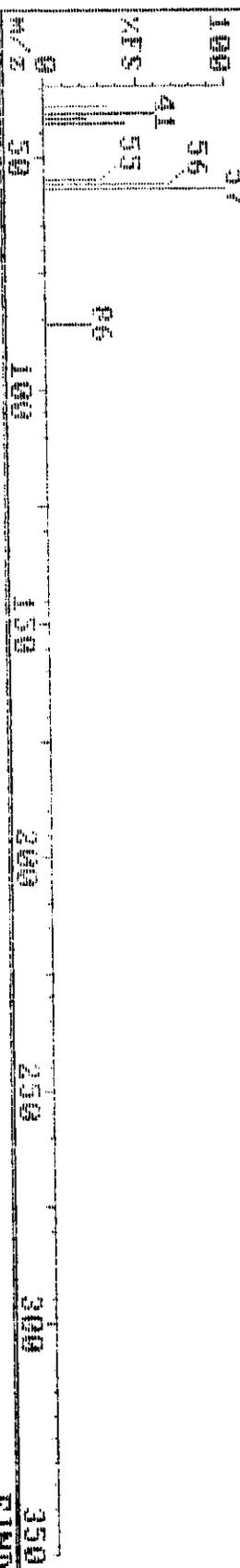
RV007 300 (3.000)

4160



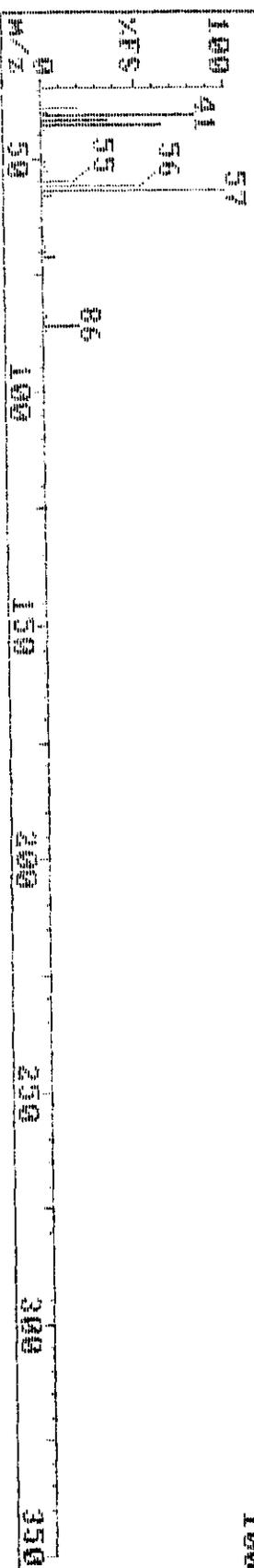
RV007 300 (3.001) REFINE

2752



026BX 11 (3.070) N-Hexane

FIND 100



Pacific Environmental Services

Project Number: 46297
Sample File: FX881

Method 8260 VOST
Sample ID: T-V-1-4-B TC

Client Project: Hotmix
TLI ID: 214-1-9B

Date Received: 07/25/98

Response File: ICALF814

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.31 | | |
| Chloromethane | 0.073 | | 1.08 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.045 | J | 1.64 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | 0.092 | | 2.86 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.048 | J | 3.27 | | 0.05 |
| Acrylonitrile | | U | | 0.016 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | | U | | 0.001 | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46297
Sample File: FX881

Method 8260 VOST
Sample ID: T-V-1-4-B TC

| | | |
|-------------------------------|---------------------------------|--------------------------------|
| Client Project: Hotmix | Date Received: 07/25/98 | Response File: ICALF814 |
| TLI ID: 214-1-9B | Date Analyzed : 08/17/98 | |

| Analyte | Amount | FLAG | RT | Det. Limit | Quan. Limit |
|------------------------------------|---------------|-------------|-----------|-------------------|--------------------|
| | ug | | | ug | ug |
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.005 | 0.05 |
| Toluene | 0.017 | BJ | 8.09 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.002 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.35 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.006 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.72 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.002 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
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 Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297

Sample File: FX881

Method 8260 VOST

Sample ID: T-V-1-4-B TC

Client Project: Hotmix

TLI ID: 214-1-9B

Date Received: 07/25/98

Date Analyzed : 08/17/98

Response File: ICALF814

| Surrogate Summary | Amount (ng) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.240 | 5.18 | 1 | 96 |
| Toluene-d ₈ | 0.320 | 8.00 | 2 | 128 |
| 4-Bromofluorobenzene | 0.326 | 12.65 | 2 | 130 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX881

Method 8260 VOST
Sample ID: T-V-1-4-B TC

Client Project: Hotmix
TLI ID: 214-1-9B

Date Received: 07/25/98

Response File: ICALF817

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.31 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | 0.004 | J | 3.88 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.011 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.003 | 0.25 |

Reviewed by VR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 18:00 08/24/1998

17-Aug-99 10:30

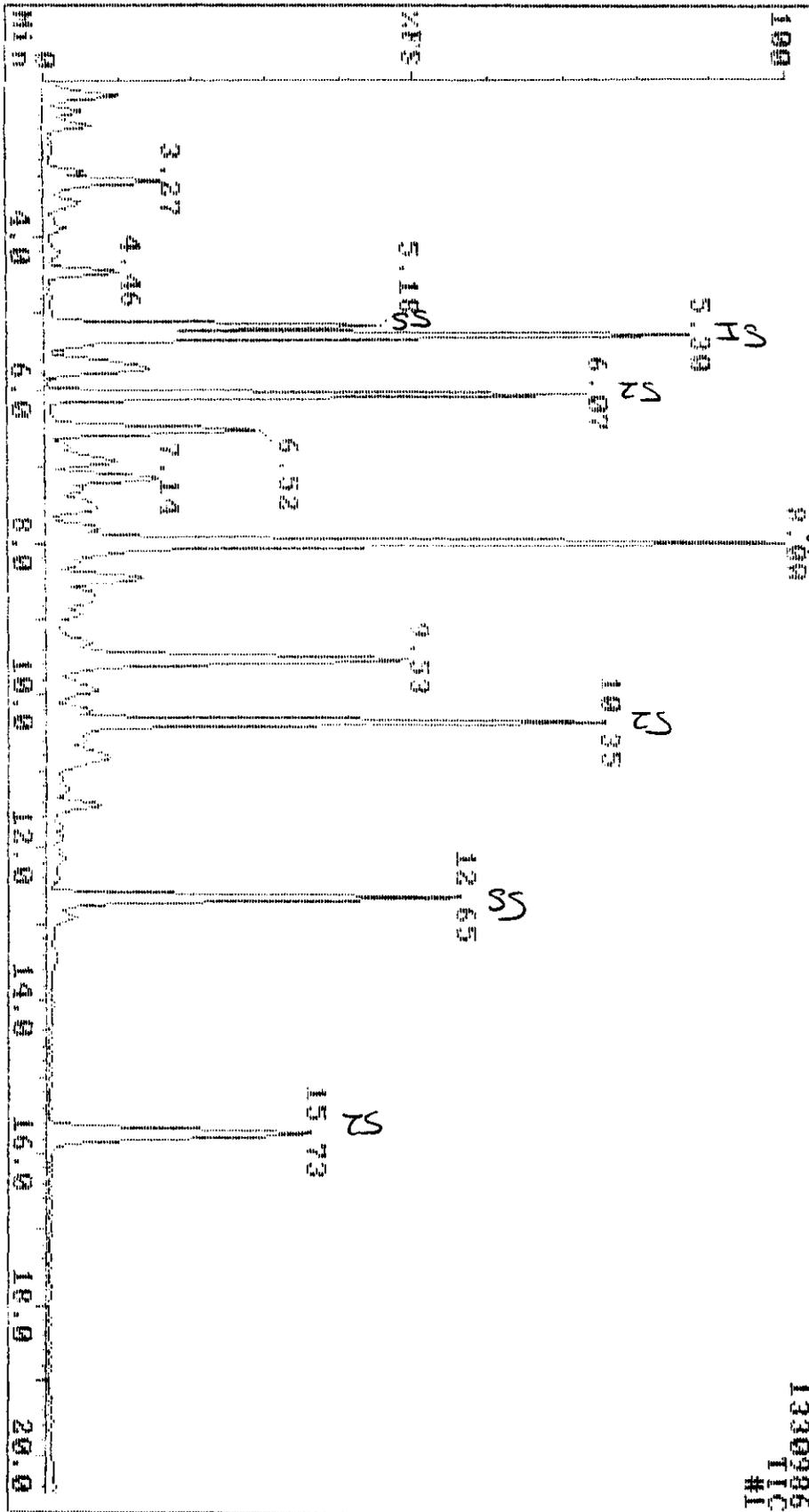
TriAnaly Laboratories, Inc.

(919) 544-5729

Sample: T-U-1-4-B TO 214-1-98 UM46297

Instrument F

EX001



1330986
TIC
#1

Data Review: *W*
Date: 8/19/99

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|-------------------|---------------|------------------|-----|---------------------------|
| 1 | 100 | 76 | 98 | 2 | 2628280 | bb | 5.311 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 99 | -1 | 2692040 | bb | 6.071 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 94 | 96 | 0 | 2455926 | bv | 10.351 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 79 | 98 | 1 | 977776 | A | 15.722 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 82 | 92 | -1 | 1061713 | bv | 5.181 | 113 | Dibromofluoromethane |
| 6 | 100 | 90 | 97 | 1 | 3511416 | bv | 8.001 | 98 | Toluene-d8 |
| 7 | 100 | 90 | 94 | 0 | 1195316 | bv | 12.651 | 95 | 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 35 | 1,1,1-Trichloroethane |
| 9 | 95 | 75 | 82 | 1 | 264480 | A | 1.030 | 50 | Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | Vinyl Chloride |
| 11 | 92 | 67 | 87 | 1 | 83521 | bv | 1.640 | 94 | Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 54 | Chloroethane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 101 | Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | 1,1-Dichloroethane |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 102 | Toluene |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 70 | Carbon tetrachloride |
| 17 | 96 | 25 | 38 | 3 | 44650 | A | 2.360 | 45 | Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | 4-Fluorobenzole |
| 19 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 39 | Methyl isocyanide |
| 20 | 10 | 3 | 13 | 0 | 118388 | m | 3.27 | 56 | Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,3-Dichloropropene |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,1,1-Trichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 | Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 77 | 2,2-Difluoropropene |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | cis-1,3-Dichloropropene |
| 26 | 20 | 16 | 21 | 4 | 9857 | | 1.722 | 45 | 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Bromochloromethane |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 77 | 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 | Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,1-Dichloropropene |
| 32 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 78 | Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 139 | Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,2-Dichloropropene |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 93 | Dibromomethane |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | cis-1,3-Dichloropropene |
| 40 | 35 | 5 | 57 | 4 | 3213 | bp | 8.001 | 43 | 4-Methyl-2-pentanone |
| 41 | 92 | 50 | 88 | 0 | 129620 | A | 8.091 | 92 | Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,3-Dichloropropene |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,2-Trichloroethane |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 69 | Ethyl methacrylate |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 164 | Tetrachloroethene |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | 1,3-Dichloropropane |
| 47 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 45 | 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 129 | Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 107 | 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | Chlorobenzene |

Data Review: *ML*
 Date: 8/19/98

| No. | MAF | FDR | RFV | Del La | Area | P | Flags | RT | QM | Name |
|-----|-----|-----|-----|--------|------------------|----|-------|------------------|-----|--------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 131 | 1,1,1,2-Tetrachloroethane |
| 52 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Ethylbenzene |
| 53 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | m-/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 173 | Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 83 | 1,1,2,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 120 | n-Propylbenzene |
| 62 | 43 | 10 | 69 | -3 | 14094 | | | 12.45 | FP | 75 trans-1,4-Dichloro-2-butene |
| 63 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 134 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 136 | 4-Chlorotoluene |
| 65 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 119 | tert-butylbenzene |
| 67 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | 1,2,4-Trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 112 | p-Toluene |
| 70 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 146 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 21 | Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 21 | n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | 1,2-Dibromo-3-chloropropane |
| 76 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 130 | 1,2,4-Trichlorobenzene |
| 77 | 48 | 25 | 61 | -4 | 8504 | hb | | 12.532 | | 275 Hexachlorocyclohexane |
| 78 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 128 | Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 130 | 1,2,3-Trichlorobenzene |

M8719168

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|-----------------|---------|-------------------|-----|-----------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 131 | 1,1,1,2-Tetrachloroethane |
| 52 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Ethylbenzene |
| 53 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m-/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 173 | Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | 1,1,2,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 120 | n-Propylbenzene |
| 62 | 43 | 10 | 69 | -8 | 6880 | | 12.781 | 75 | trans-1,4-Dichloro-2-butene |
| 63 | 0 | 0 | 0 | 0 | 0 | MS1798 | 0.000 | 126 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 4-Chlorotoluene |
| 65 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | tert-Butylbenzene |
| 67 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,2,4-Trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2-Dibromo-3-chloropropane |
| 76 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 180 | 1,2,4-Trichlorobenzene |
| 77 | 48 | 23 | 61 | -4 | 8504 | bb | 19.532 | 225 | Hexachlorobutadiene |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 180 | 1,2,3-Trichlorobenzene |

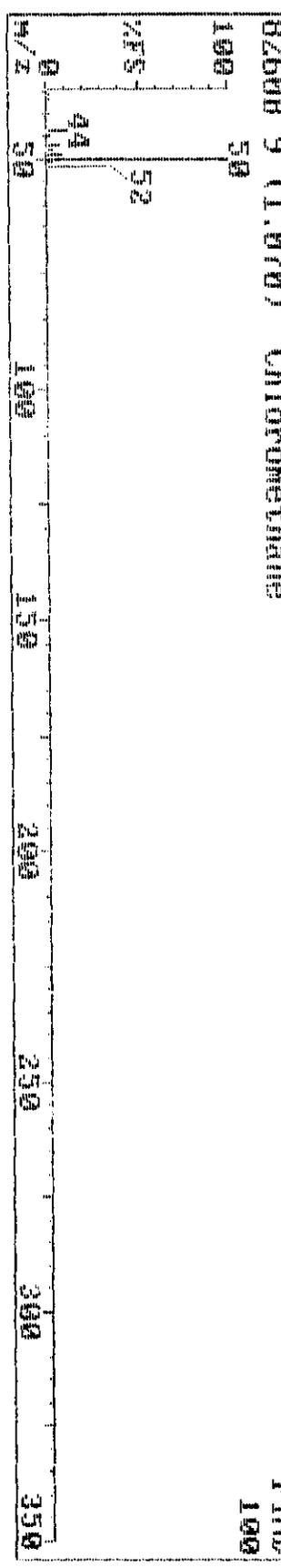
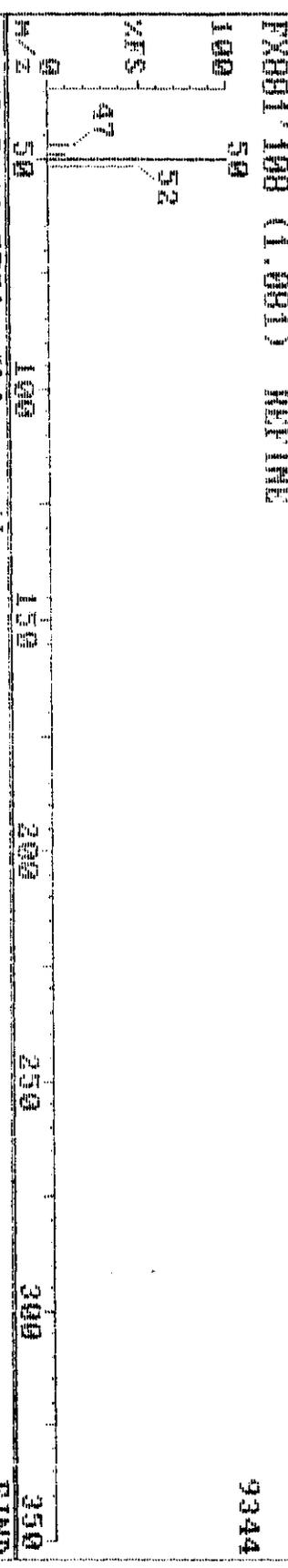
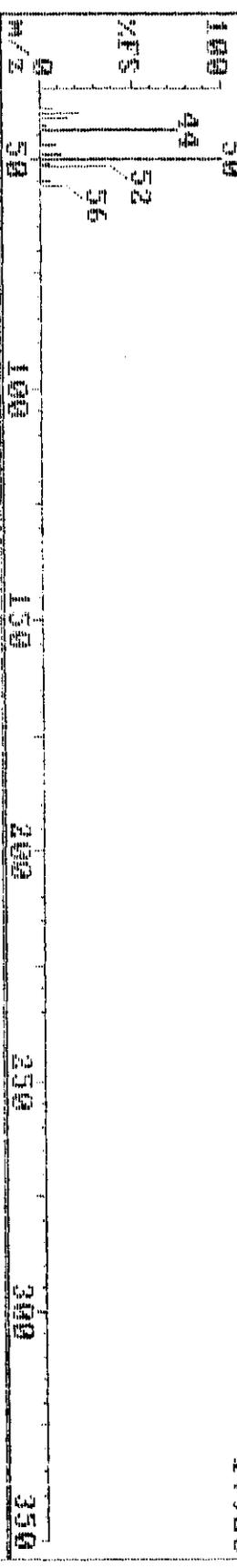
| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|-------------------|---------------|------------------|---------------|------------------------|
| 1 | 100 | 76 | 98 | 2 | 2628980 | bb | 5.311 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 99 | -1 | 2692040 | bb | 6.071 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 94 | 96 | -1 | 2455926 | bv | 10.351 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 79 | 98 | -1 | 977776 | A | 15.722 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 82 | 99 | -1 | 1061712 | bv | 5.181 | 113 | Dibromofluoromethane |
| 6 | 100 | 90 | 97 | 0 | 3511416 | bv | 8.001 | 98 | Toluene-d8 |
| 7 | 100 | 90 | 94 | -1 | 1195316 | bv | 12.651 | 95 | 4-Bromofluorobenzene |
| 8 | 60 | 35 | 67 | 4 | 25744 | bb | 1.368 | FP | 39 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Vinyl bromide |
| 10 | 81 | 61 | 75 | 3 | 32652 | bb | 3.625 | FP | 73 MTBE |
| 11 | 100 | 81 | 83 | 0 | 50692 | bb | 3.880 | 37 | n-Hexane |
| 12 | 56 | 38 | 61 | 6 | 42972 | bv | 4.468 | FP | 42 1,2-Epoxybutane |
| 13 | 87 | 65 | 76 | 0 | 285728 | bb | 5.691 | FP | 57 Iso-Octane |
| 14 | 41 | 28 | 70 | -1.3 | 45908 | bb | 4.921 | FP | 55 Ethyl acrylate |

M819198

17-Aug-98 18:30 Triang Laboratories, Inc. (919) 544-5729 Instrument F

Sample: T-U-1-4-B TC 214-1-98 T1144297

FX081 108 (1.088) 17920



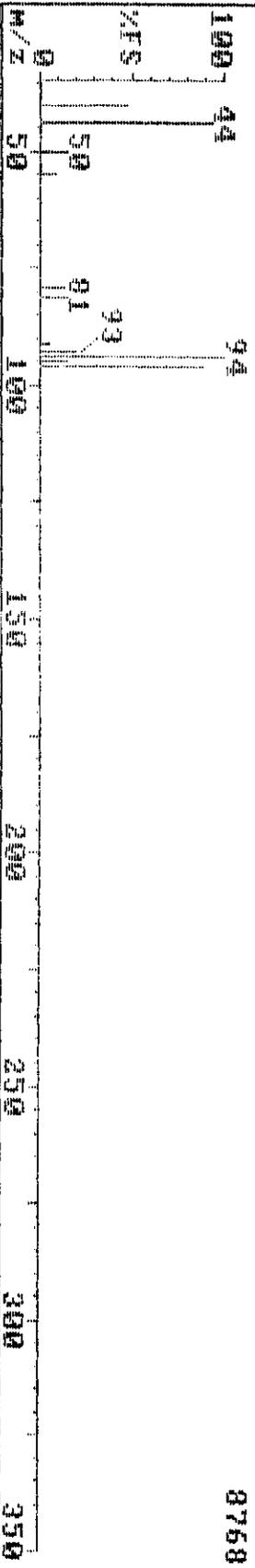
17-Aug-90 10:30

Triang Laboratories, Inc. (919) 544-5729

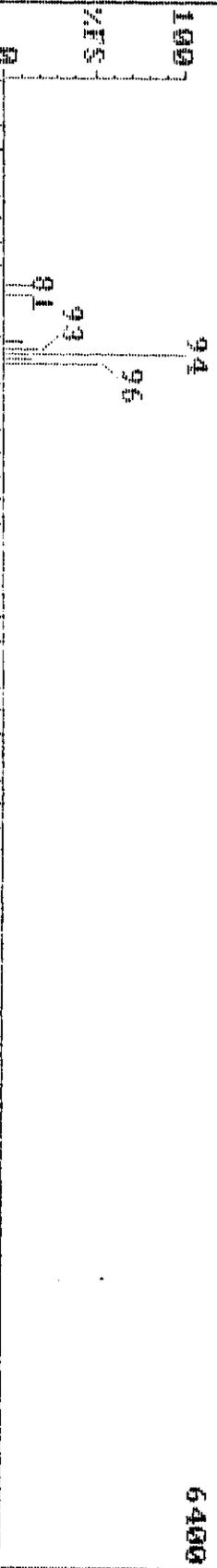
Sample: T-4-1-4-D TO 21-1-90 T1146297

Instrument F

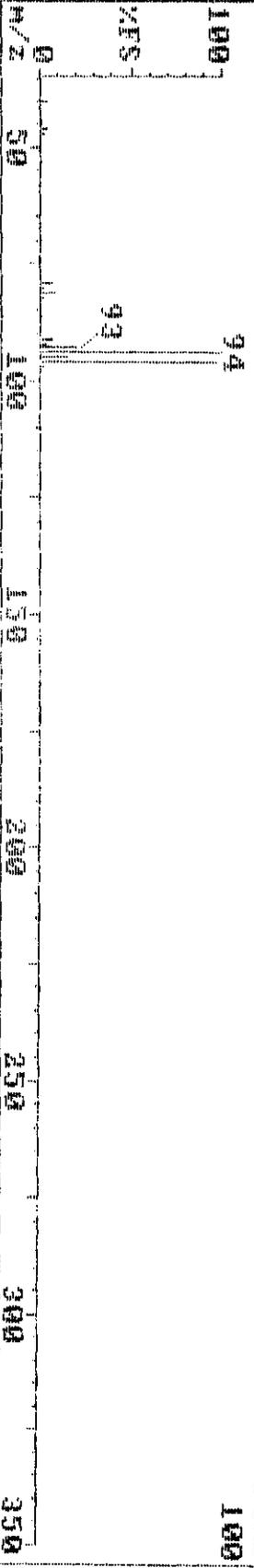
FXBBI 164 (1.640)



FXBBI 164 (1.641) REFINE



BZ600 11 (1.620) Bromomethane



8758

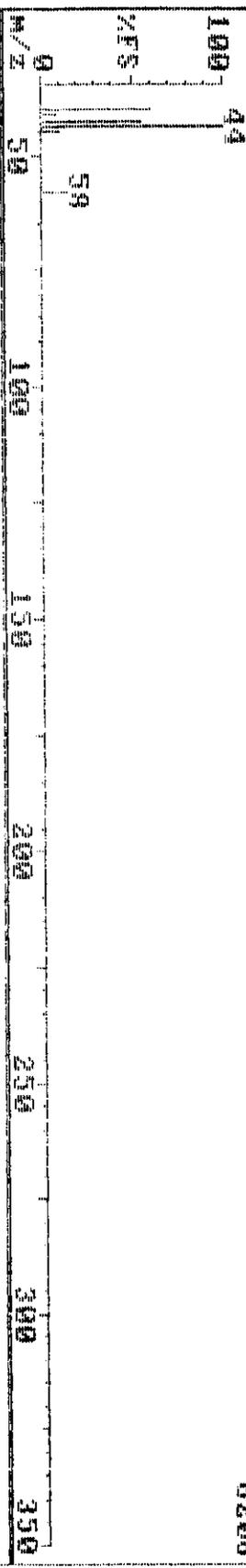
6400

FIND

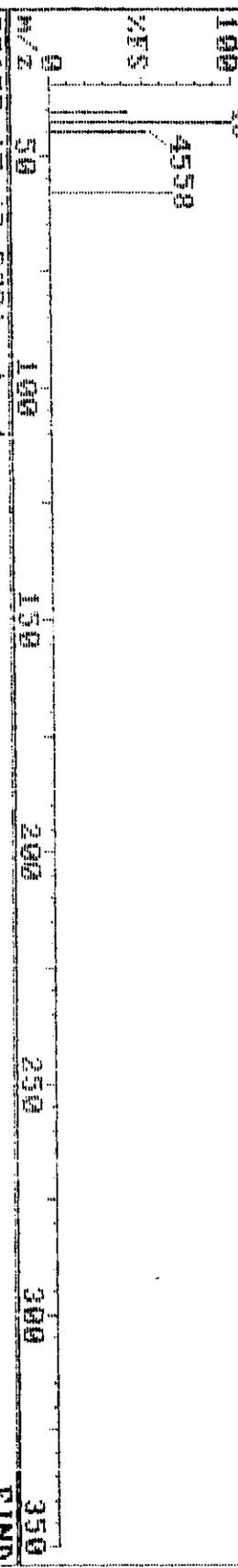
100

17-Aug-98 18:38 Triangle Laboratories, Inc. (919) 544-5729
Sample: T-U-1-4-B TO 214-1-98 TLW46297 Instrument F

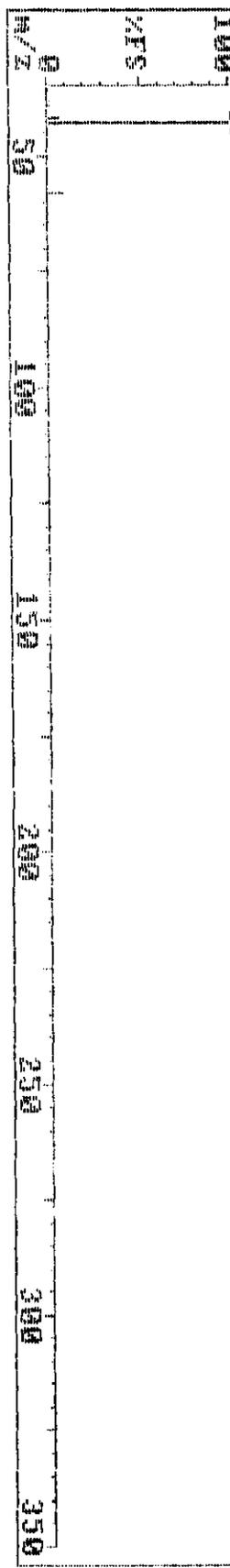
FX881 286 (2.868) 6208



FX881 286 (2.861) METME 1088



82688 17 (2.820) Acetone FIND 100



17-Aug-98 18:30

Triangle Laboratories, Inc.

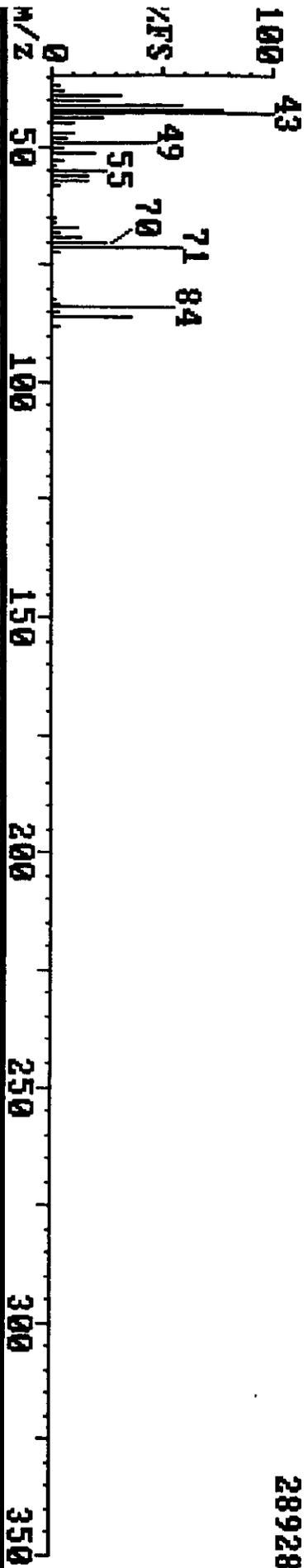
(919) 544-5729

Sample: T-U-1-4-B TC 214-1-9B TL1#46297

Instrument F

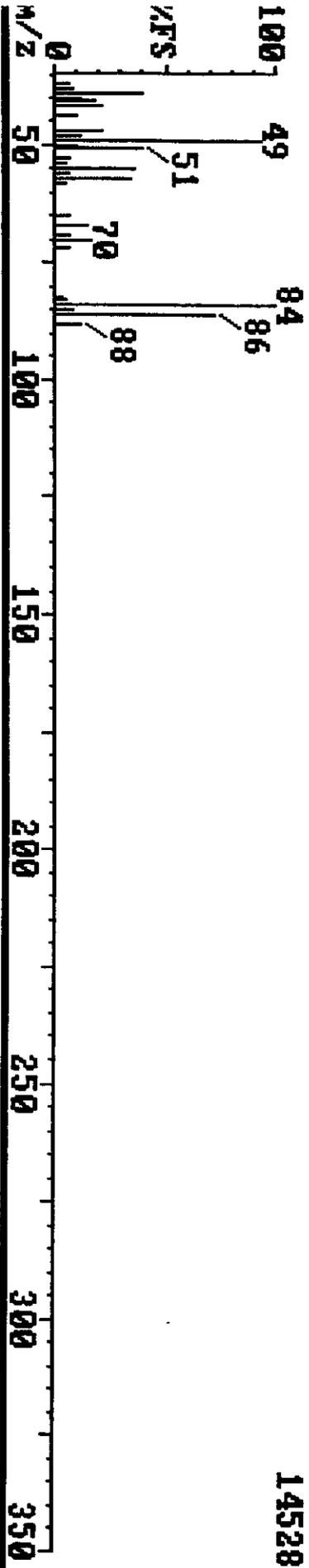
FX881 327 (3.270)

28928



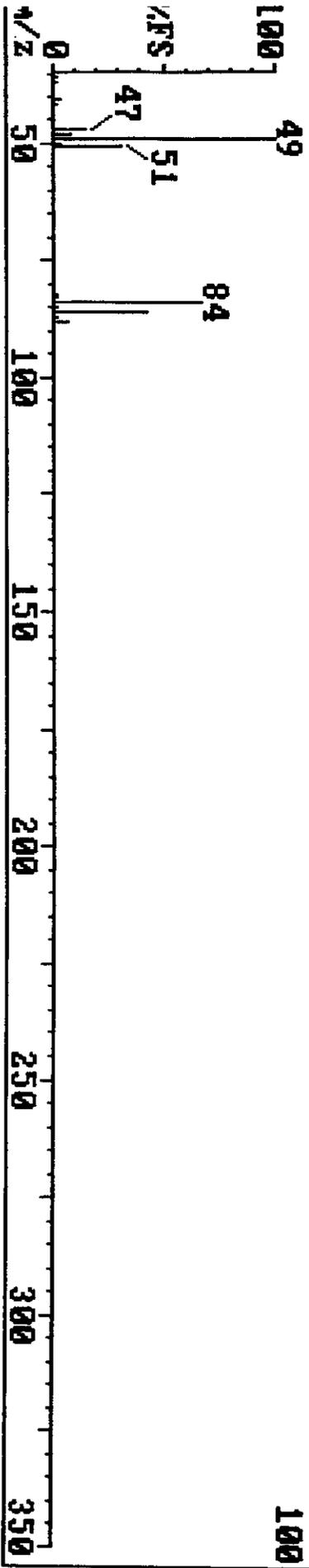
FX881 327 (3.271) REFINE

14528



MASTER 22 (3.590) Methylene chloride

FIND 100



17-Aug-98 18:30

Triangle Laboratories, Inc.

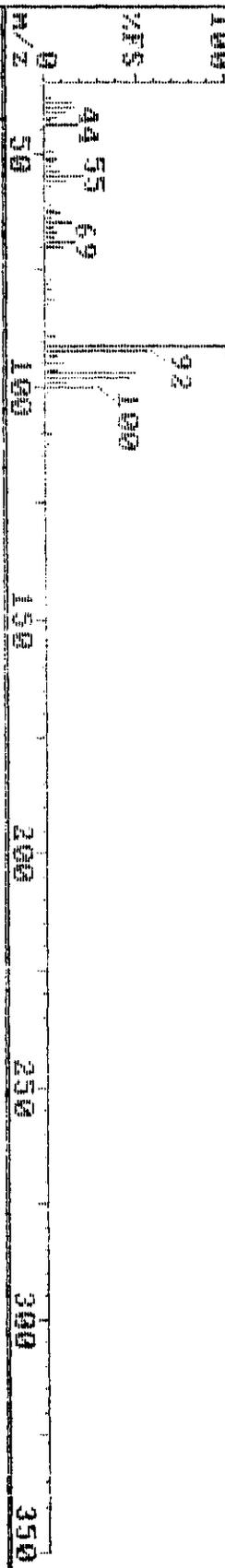
(919) 544-5729

Sample: T-U-1-4-B TC 214-1-9H TLH46297

Instrument F

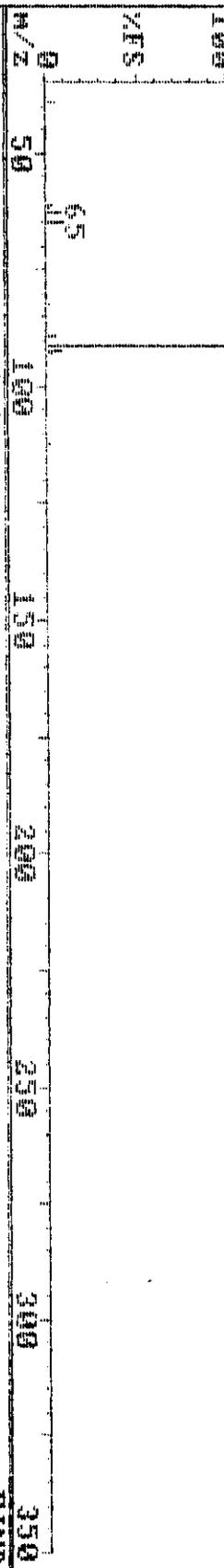
FX001 009 (8.091)

27648



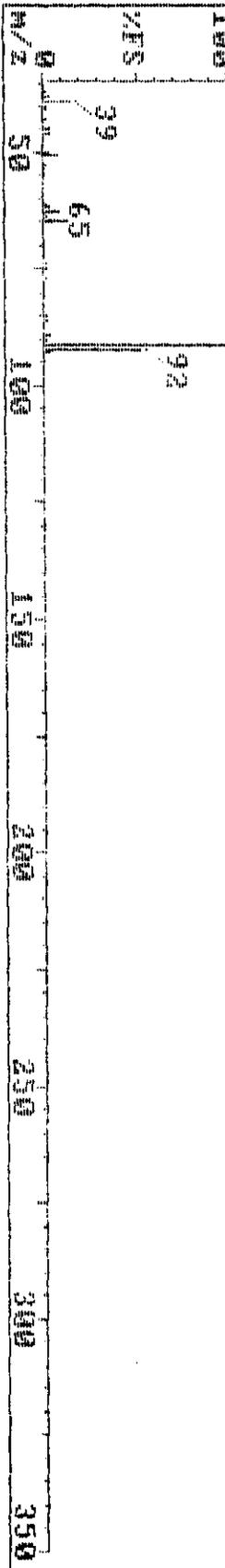
FX001 009 (8.091) Toluene

25600



B2600 41 (8.081) Toluene

FIND 100



17-Aug-98 18:30

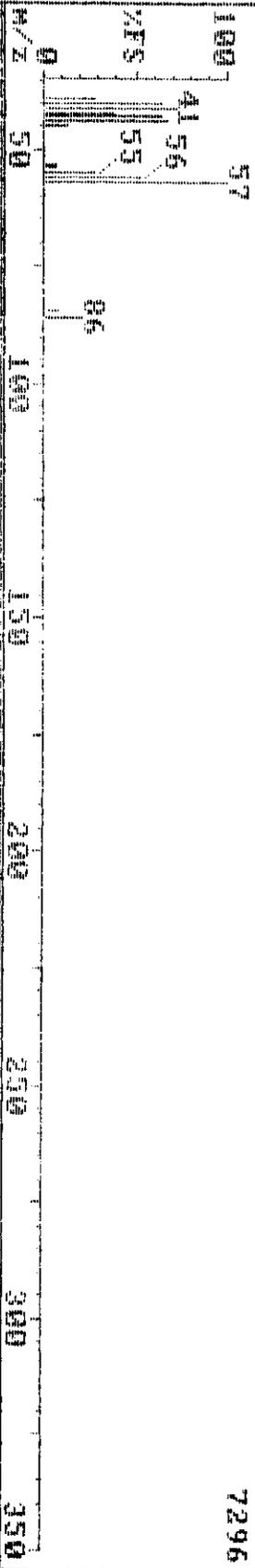
Triamyl Laboratories, Inc. (919) 544-5729

Sample: T-U-1-4-B TO 214-1-98 T1#46297

Instrument F

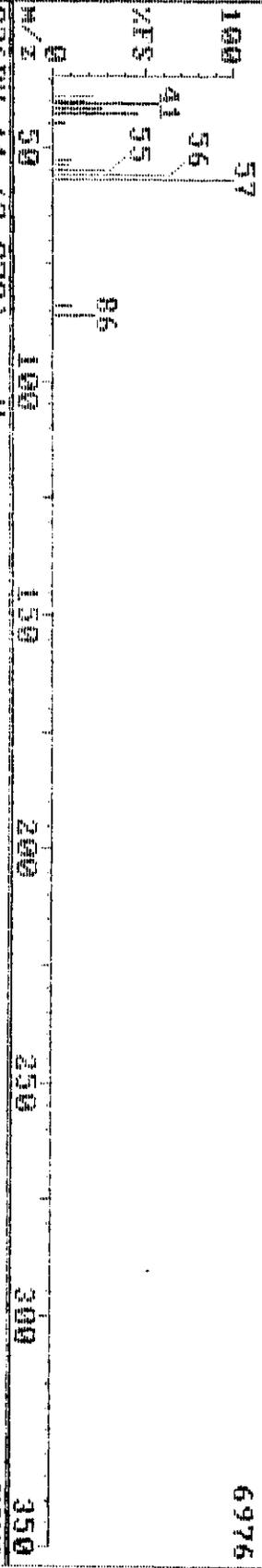
TX001 300 (3.000)

7296



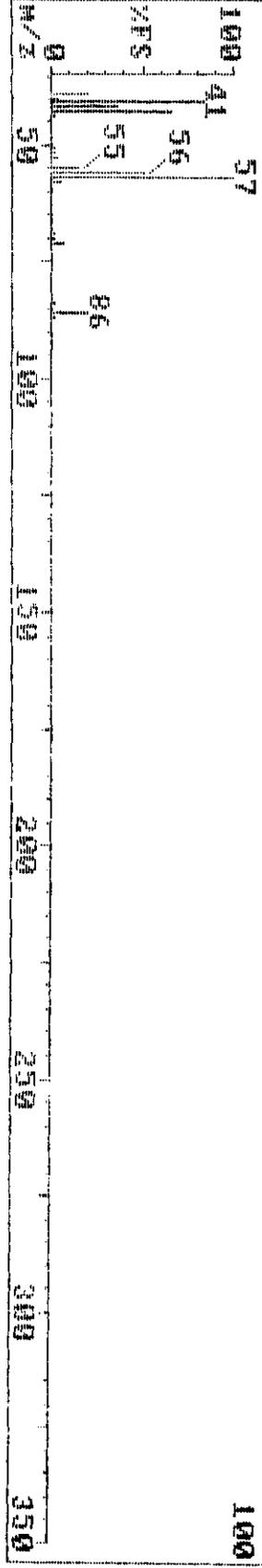
TX001 300 (3.001) REFINE

6976



826HX 11 (3.870) n-Hexane

100



Pacific Environmental Services

Project Number: 46297

Method 8260 VOST

Sample File: FX878

Sample ID: VOSTBLK081798

Client Project: Hotmix

Date Received: / /

Response File: ICALF814

TLI ID: VOSTBLK081798

Date Analyzed : 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.32 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | | U | | 0.004 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | | U | | 0.001 | 0.05 |
| Acrylonitrile | | U | | 0.016 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.08 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.013 | J | 5.54 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

Savar v3.7

801 Capitola Drive • Durham, North Carolina 27713

Printed: 17:44 08/24/1998

Phone: (919) 544-5729 • Fax: (919) 544-5491

Pacific Environmental Services

Project Number: 46297
Sample File: FX878

Method 8260 VOST
Sample ID: VOSTBLK081798

Client Project: Hotmix
TLI ID: VOSTBLK081798

Date Received: / /

Response File: ICALF814

Date Analyzed: 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.004 | 0.05 |
| Toluene | 0.005 | J | 8.10 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.36 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.006 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.003 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.73 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.003 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
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Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7
Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX878

Method 8260 VOST
Sample ID: VOSTBLK081798

Client Project: Hotmix
TLI ID: VOSTBLK081798
Date Received: / /
Date Analyzed : 08/17/98
Response File: ICALF814

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.267 | 5.19 | 1 | 107 |
| Toluene-d ₈ | 0.296 | 8.01 | 2 | 118 |
| 4-Bromofluorobenzene | 0.256 | 12.66 | 2 | 102 |

Reviewed by VR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
801 Capitola Drive • Durham, North Carolina 27713
Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7
Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX878

Method 8260 VOST
Sample ID: VOSTBLK081798

Client Project: Hotmix
TLI ID: VOSTBLK081798

Date Received: / /

Response File: ICALF817

Date Analyzed: 08/17/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.32 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | | U | | 0.001 | 0.25 |
| 1,2-Epoxybutane | | U | | 0.011 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.08 | | |
| Ethyl acrylate | | U | | 0.002 | 0.25 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
801 Capitola Drive • Durham, North Carolina 27713
Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7
Printed: 18:00 08/24/1998

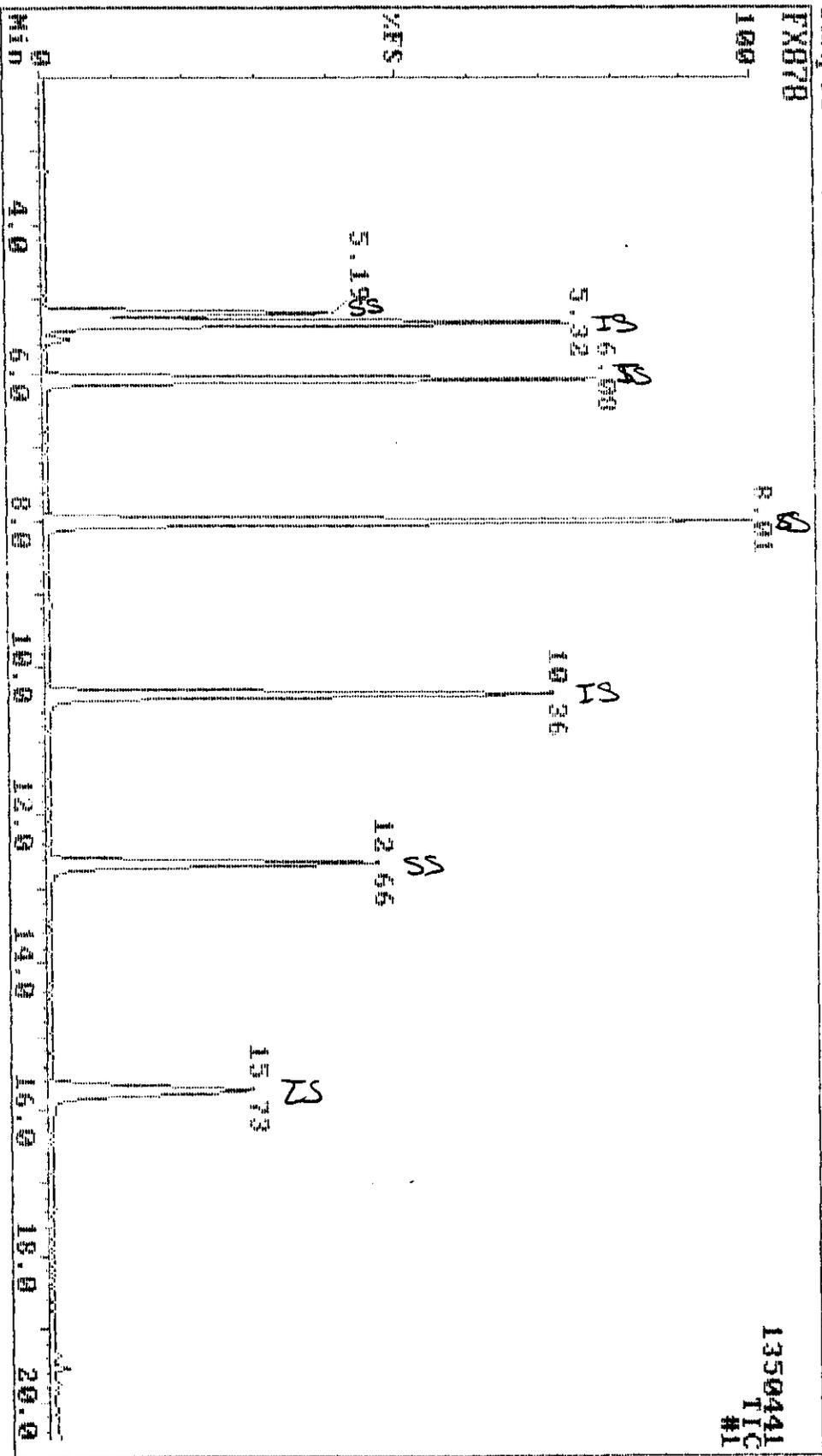
17-Aug-98 15:51

Sample: VOSTMILK T/TO

Triangle Laboratories, Inc.

(919) 544-5729

Instrument F



1350441
TIC
#1

Date: 8/19/98
Data Review: MC

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|------------------|---------------|------------------|---------------|---------------------------|
| 1 | 100 | 85 | 99 | 3 | 2578248 | bv | 5.321 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 99 | -1 | 2921264 | bv | 6.081 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 95 | 96 | 0 | 2425024 | bv | 10.361 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 79 | 98 | 0 | 799240 | bv | 15.730 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 97 | 99 | -1 | 1157096 | bb | 5.191 | 113 | Dibromofluoromethane |
| 6 | 100 | 92 | 97 | 0 | 3532432 | bv | 8.011 | 98 | Toluene-d8 |
| 7 | 100 | 91 | 93 | -1 | 1017440 | bv | 12.661 | 95 | 4-Bromo fluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | Dichlorodifluoromethane |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 50 | Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | Vinyl Chloride |
| 11 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 94 | Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 64 | Chloroethane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 101 | Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 96 | 1,1-Dichloroethene |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 142 | Iodomethane |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | Carbon disulfide |
| 17 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 | Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Allyl chloride |
| 19 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 84 | Methylene chloride |
| 20 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 53 | acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 96 | trans-1,2-Dichloroethene |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 45 | Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 77 | 2,2-Dichloropropane |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 96 | cis-1,2-Dichloroethene |
| 26 | 17 | 15 | 15 | 3 | 1808 | bb | 1.771 | FP | 43 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Bromochloromethane |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 | Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,1-Dichloropropene |
| 32 | 100 | 79 | 95 | 1 | 146244 | bb | 5.541 | 78 | Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 130 | Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,2-Dichloropropane |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 93 | Dibromomethane |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | cis-1,3-Dichloropropene |
| 40 | 39 | 3 | 66 | 4 | 14176 | bv | 8.021 | FP | 45 4-Methyl-2-pentanone |
| 41 | 66 | 34 | 72 | -1 | 38868 | bb | 8.101 | 92 | Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,3-Dichloropropene |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,2-Trichloroethane |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 69 | Ethyl methacrylate |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 164 | Tetrachloroethene |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | 1,3-Dichloropropane |
| 47 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 | 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 129 | Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 107 | 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | Chlorobenzene |

Data Review: *ML*
 Date: *8/19/98*

| No. | MAT | FDR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|-------|---------|-------------------|-----|-----------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 131 | 1,1,1,2-Tetrachloroethane |
| 52 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Ethylbenzene |
| 53 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m-/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 173 | Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | 1,1,2,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 120 | n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,4-Dichloro-2-butene |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 126 | 4-Chlorotoluene |
| 65 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 119 | tert-Butylbenzene |
| 67 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | 1,2,4-Trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 119 | p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 91 | n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2-Dibromo-3-chloropropane |
| 76 | 57 | 33 | 65 | -3 | 16904 | bv | 19.352 | 180 | 1,2,4-Trichlorobenzene |
| 77 | 76 | 51 | 87 | -5 | 17800 | bb | 19.532 | 225 | Hexachlorobutadiene |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 19356 | m | 19.762 | 180 | 1,2,3-Trichlorobenzene |

YR 8/19/84

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|---------------|---------------|---------------|--------------|-------------------|---------------|------------------|---------------|-------------------------------|
| 1 | 100 | 78 | 99 | 1 | 2574448 | bb | 5.301 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 99 | 0 | 2726140 | bv | 6.071 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 95 | 95 | -1 | 2355716 | bv | 10.351 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 76 | 100 | -2 | 860176 | bv | 15.712 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 84 | 99 | 0 | 1077964 | bv | 5.181 | 113 | Dibromofluoromethane |
| 6 | 100 | 91 | 97 | 0 | 3394004 | bv | 8.001 | 98 | Toluene-d8 |
| 7 | 100 | 91 | 93 | -1 | 1044408 | bv | 12.651 | 95 | 4-Bromo Fluorobenzene |
| 8 | 57 | 33 | 66 | 5 | 26612 | vv | 1.175 | FP | 39 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Vinyl bromide |
| 10 | 57 | 40 | 55 | 4 | 8612 | A | 5.650 | FP | 73 MTBE |
| 11 | 69 | 57 | 59 | 2 | 13896 | bb | 5.200 | FP | 57 n-Hexane |
| 12 | 55 | 48 | 62 | 13 | 23408 | A | 1.470 | FP | 42 1,2-Epoxybutane |
| 13 | 64 | 47 | 57 | 1 | 63292 | A | 5.391 | FP | 57 Iso-Octane |
| 14 | 44 | 28 | 69 | -12 | 266764 | bb | 6.501 | FP | 55 Ethyl acrylate |

M8/19/98

17-Aug-98 15:51

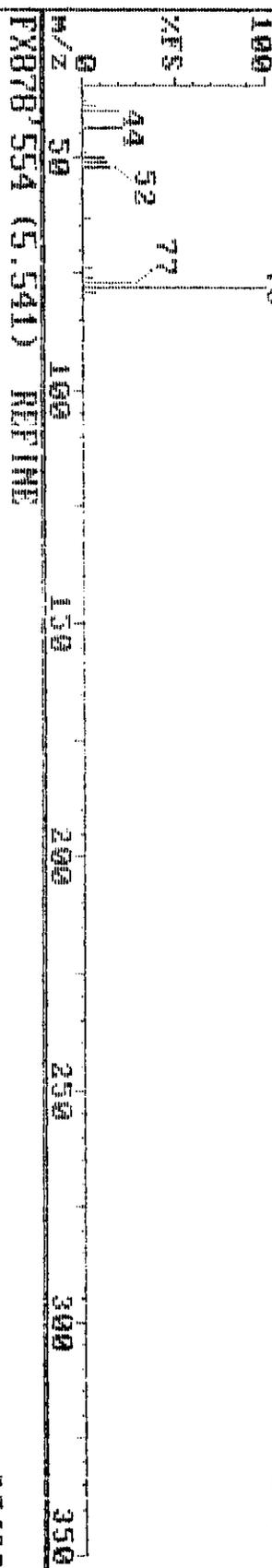
Triangle Laboratories, Inc. (919) 544-5729

Sample: UOSTMUK T/TC

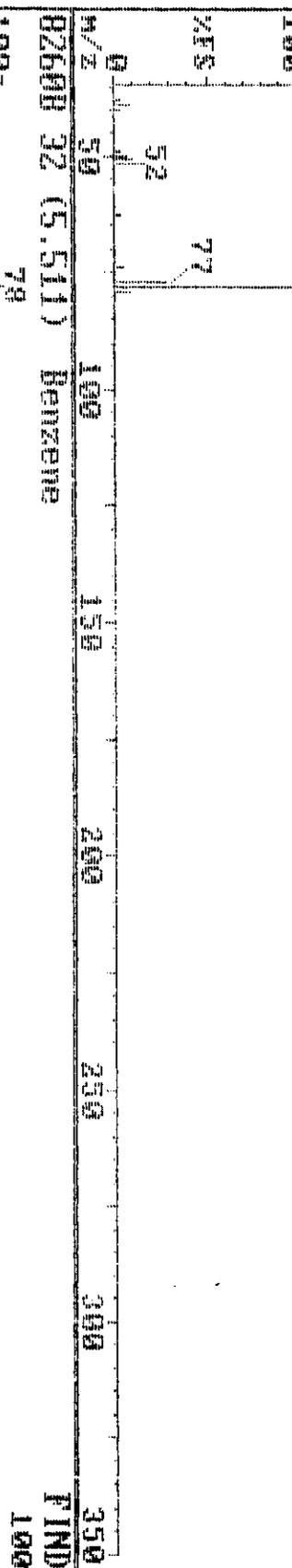
Instrument F

PX878 554 (5.541)

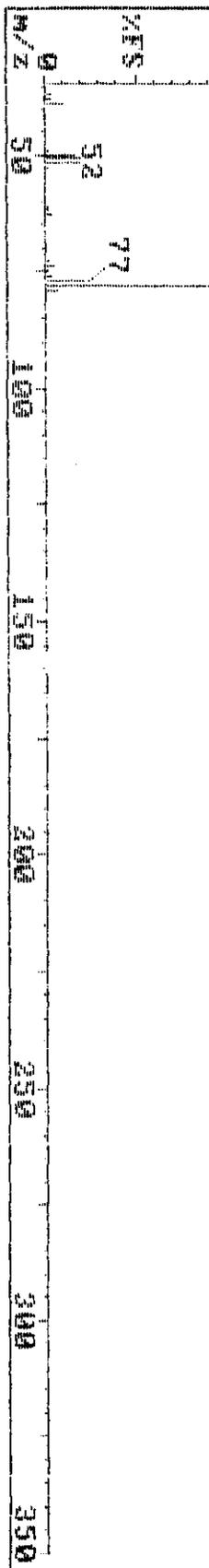
21760



20480



FIND
100



17-Aug-98 15:51

Triangle Laboratories, Inc.

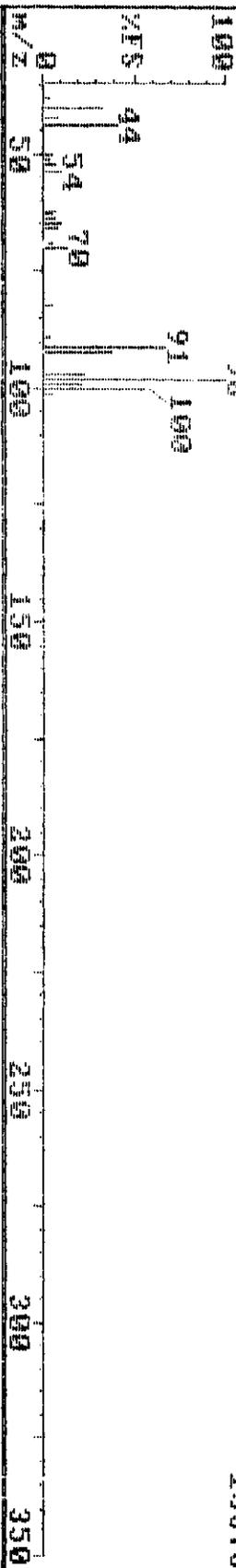
(919) 544-5729

Sample: UOSTMUK T/TC

Instrument F

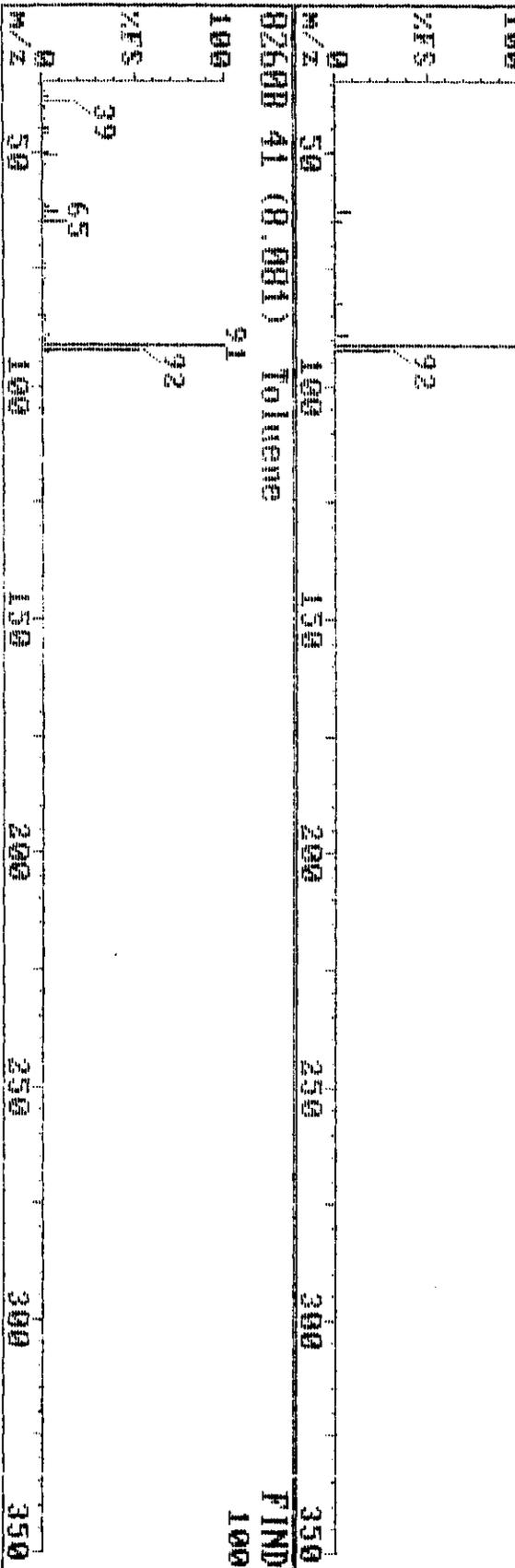
FX878 818 (8.181)

13376



FX878 818 (8.181) REFINE

8256



82600 41 (8.081) Toluene

FIND 100

Pacific Environmental Services

Project Number: 46297
Sample File: FX894

Method 8260 VOST
Sample ID: VOSTBLK081898

| | | |
|-------------------------------|---------------------------------|--------------------------------|
| Client Project: Hotmix | Date Received: / / | Response File: ICALF814 |
| TLI ID: VOSTBLK081898 | Date Analyzed : 08/18/98 | |

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|---------------------|-------------|-----------|-------------------------|--------------------------|
| Pentafluorobenzene | | IS 1 | 5.29 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | | U | | 0.006 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | | U | | 0.001 | 0.05 |
| Acrylonitrile | | U | | 0.021 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.005 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.06 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.023 | J | 5.51 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46297

Sample File: FX894

Method 8260 VOST

Sample ID: VOSTBLK081898

Client Project: Hotmix
 TLI ID: VOSTBLK081898

Date Received: / /

Response File: ICALF814

Date Analyzed : 08/18/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.007 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.006 | 0.05 |
| Toluene | 0.008 | J | 8.07 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.002 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.002 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.33 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.008 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.002 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.004 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.67 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.004 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Pacific Environmental Services

Project Number: 46297

Sample File: FX894

Method 8260 VOST

Sample ID: VOSTBLK081898

Client Project: Hotmix
TLI ID: VOSTBLK081898

Date Received: / /

Response File: ICALF814

Date Analyzed : 08/18/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.255 | 5.16 | 1 | 102 |
| Toluene-d ₈ | 0.317 | 7.98 | 2 | 127 |
| 4-Bromofluorobenzene | 0.265 | 12.63 | 2 | 106 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 17:44 08/24/1998

Pacific Environmental Services

Project Number: 46297
Sample File: FX894

Method 8260 VOST
Sample ID: VOSTBLK081898

Client Project: Hotmix
TLI ID: VOSTBLK081898

Date Received: / /

Response File: ICALF818

Date Analyzed : 08/18/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.29 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | | U | | 0.001 | 0.25 |
| 1,2-Epoxybutane | | U | | 0.020 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.06 | | |
| Ethyl acrylate | | U | | 0.004 | 0.25 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7
Printed: 18:00 08/24/1998

10-Aug-98 12:46

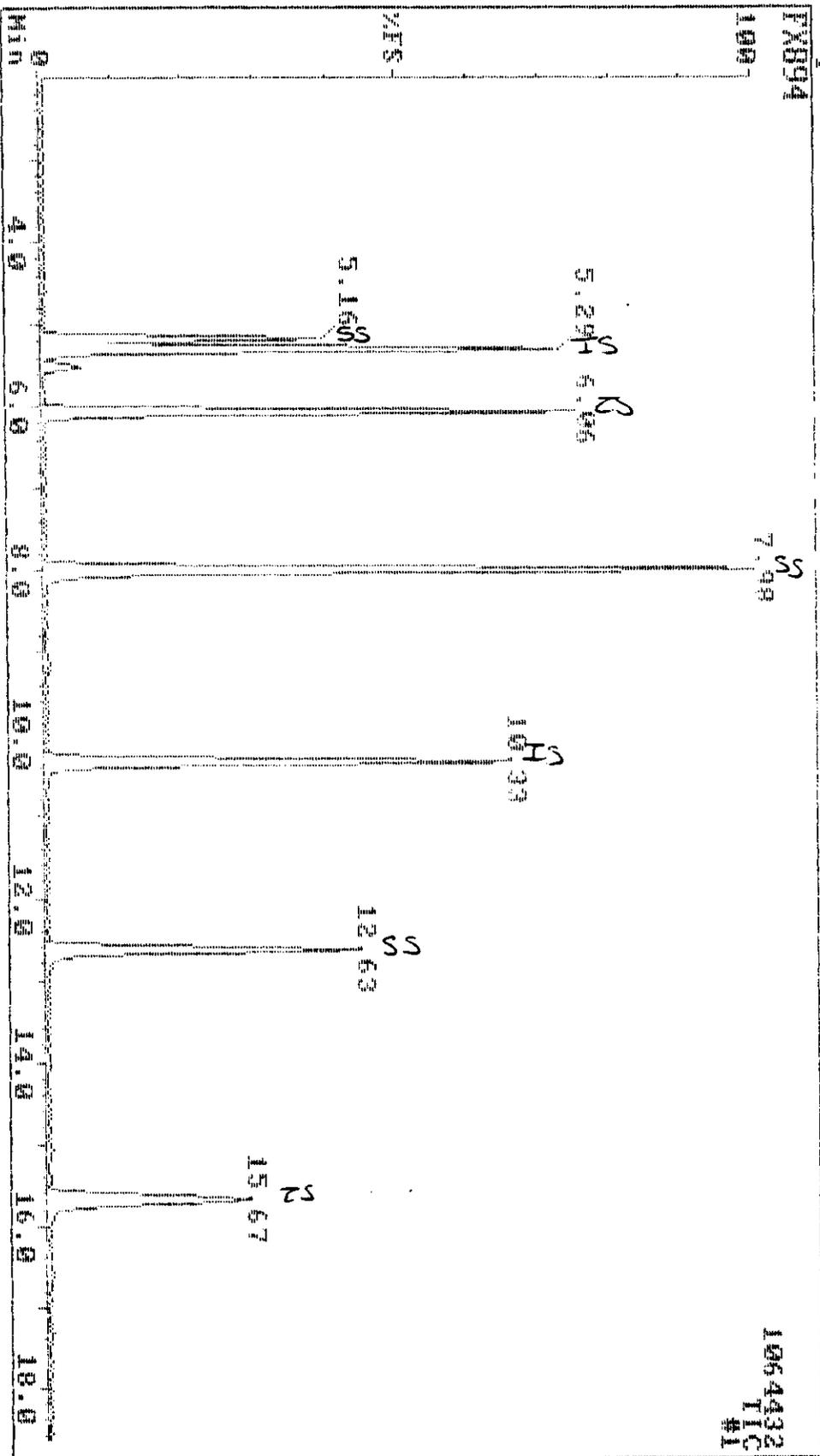
Triomphe Laboratories, Inc.

019 54-5729

Sample: UO8TBLX

TIC

Instrument F



1064432
TIC
#1

Data Review: *ML*
Date: 8/19/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name | |
|-----|-----|-----|-----|-------|-----------------|---------------|------------------|---------------|---------------------------|----------------------|
| 1 | 100 | 85 | 99 | 0 | 1969692 | bb | 5.291 | 168 | Pentafluorobenzene | |
| 2 | 100 | 97 | 98 | 0 | 2162904 | bv | 6.041 | 119 | 1,4-Difluorobenzene | |
| 3 | 100 | 95 | 95 | 0 | 1665360 | bv | 10.341 | 117 | Chlorobenzene-d5 | |
| 4 | 100 | 77 | 97 | -1 | 600868 | bv | 15.677 | 152 | 1,4-Dichlorobenzene-d4 | |
| 5 | 100 | 97 | 99 | -1 | 846372 | bb | 5.161 | 113 | Dibromofluoromethane | |
| 6 | 100 | 93 | 97 | 0 | 2796248 | bv | 7.281 | 78 | Toluene-d3 | |
| 7 | 100 | 91 | 93 | 0 | 778432 | bv | 12.651 | 95 | 4-Bromofluorobenzene | |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 85 | 0-chlorochloromethane | |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 50 | Chloromethane | |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | Vinyl Chloride | |
| 11 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 94 | Bromomethane | |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 64 | Chloroethane | |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 101 | 1-trichlorofluoromethane | |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 26 | 1,1-Dichloroethane | |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 141 | Iodomethane | |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 71 | Carbon disulfide | |
| 17 | 60 | 11 | 35 | 2 | 5304 | tr | 2.842 | FP | 46 | acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Allyl chloride | |
| 19 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 33 | Methylbenzylchloride | |
| 20 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 53 | acrylonitrile | |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 25 | trans-1,2-Dichloroethene | |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 65 | 1,1-Dichloroethane | |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 45 | Vinyl acetate | |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 77 | 2,2-Dichloropropane | |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 26 | cis-1,2-Dichloroethene | |
| 26 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 45 | 2-Butanone | |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 32 | Chloroform | |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 128 | Bromochloromethane | |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,1-trichloroethane | |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 | Carbon tetrachloride | |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,1-Dichloropropene | |
| 32 | 100 | 85 | 95 | 0 | 192064 | bb | 5.511 | 73 | Benzene | |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | 1,2-Dichloroethane | |
| 34 | 0 | 6 | 0 | 0 | 0 | | 0.000 | 130 | Trichloroethene | |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 | 1,2-Dichloropropane | |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 93 | Dibromomethane | |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 | Methyl methacrylate | |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | Bromodichloromethane | |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | cis-1,3-Dichloropropene | |
| 40 | 35 | 2 | 33 | 3 | 9058 | bb | 7.081 | FP | 43 | 4-Methyl-2-pentanone |
| 41 | 70 | 39 | 73 | -1 | 51592 | bb | 8.071 | 92 | Toluene | |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | trans-1,3-Dichloropropene | |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,1,2-trichloroethane | |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 | Ethyl methacrylate | |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 164 | Tetrachloroethene | |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 76 | 1,3-Dichloropropane | |
| 47 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 | 2-Hexanone | |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 129 | Dibromochloromethane | |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 107 | 1,2-Dibromoethane | |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 | Chlorobenzene | |

Data Review: YK
Date: 8/19/98

| No. | MAT | FOR | REV | Delta | Area | P.F | Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|------|-----|-------|-------|-----|------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 131 | 1,1,1,2-Tetrachloroethane |
| 52 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Ethylbenzene |
| 53 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | m-/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | o-Xylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 104 | Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 173 | Bromotoluene |
| 57 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 85 | 1,1,1,2,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 120 | m-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | trans-1,4-Dichloro-2-butene |
| 63 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 126 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 126 | 4-Chlorotoluene |
| 65 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | 1,3,5-Trichlorobenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 109 | tert-Butylbenzene |
| 67 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | o,p-Dimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 112 | propylene |
| 70 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 116 | 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 140 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 91 | acetylene chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 21 | o-tolylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 146 | 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | 1,2-Dichloro-3-chloropropane |
| 76 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 180 | 1,2,4-Trichlorobenzene |
| 77 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 225 | Hexachlorobutadiene |
| 78 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 123 | Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 180 | 1,2,3-Trichlorobenzene |

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|--------------------|---------------|------------------|-----|------------------------|
| 1 | 100 | 85 | 99 | 0 | 1969692 | bb | 5.291 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 98 | 0 | 2162904 | bv | 6.061 | 114 | 1,4-DiFluorobenzene |
| 3 | 100 | 95 | 95 | -1 | 1665360 | bv | 10.331 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 77 | 97 | -3 | 600863 | bv | 15.672 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 97 | 99 | -1 | 846370 | bb | 5.161 | 113 | Dibromofluoromethane |
| 6 | 100 | 95 | 97 | -1 | 2726248 | bv | 7.981 | 98 | Toluene-d8 |
| 7 | 100 | 91 | 93 | -1 | 778432 | bv | 12.631 | 95 | 4-Bromo Fluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 39 | 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Vinyl bromide |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | MTBE |
| 11 | 31 | 25 | 25 | -1 | 2950135 | bv | 3.500 | 57 | n-Hexane <i>PP</i> |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 42 | 1,2-Epoxybutane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 57 | iso-Octane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 55 | Ethyl acrylate |

MCS/19/98

10-Aug-90 12:46

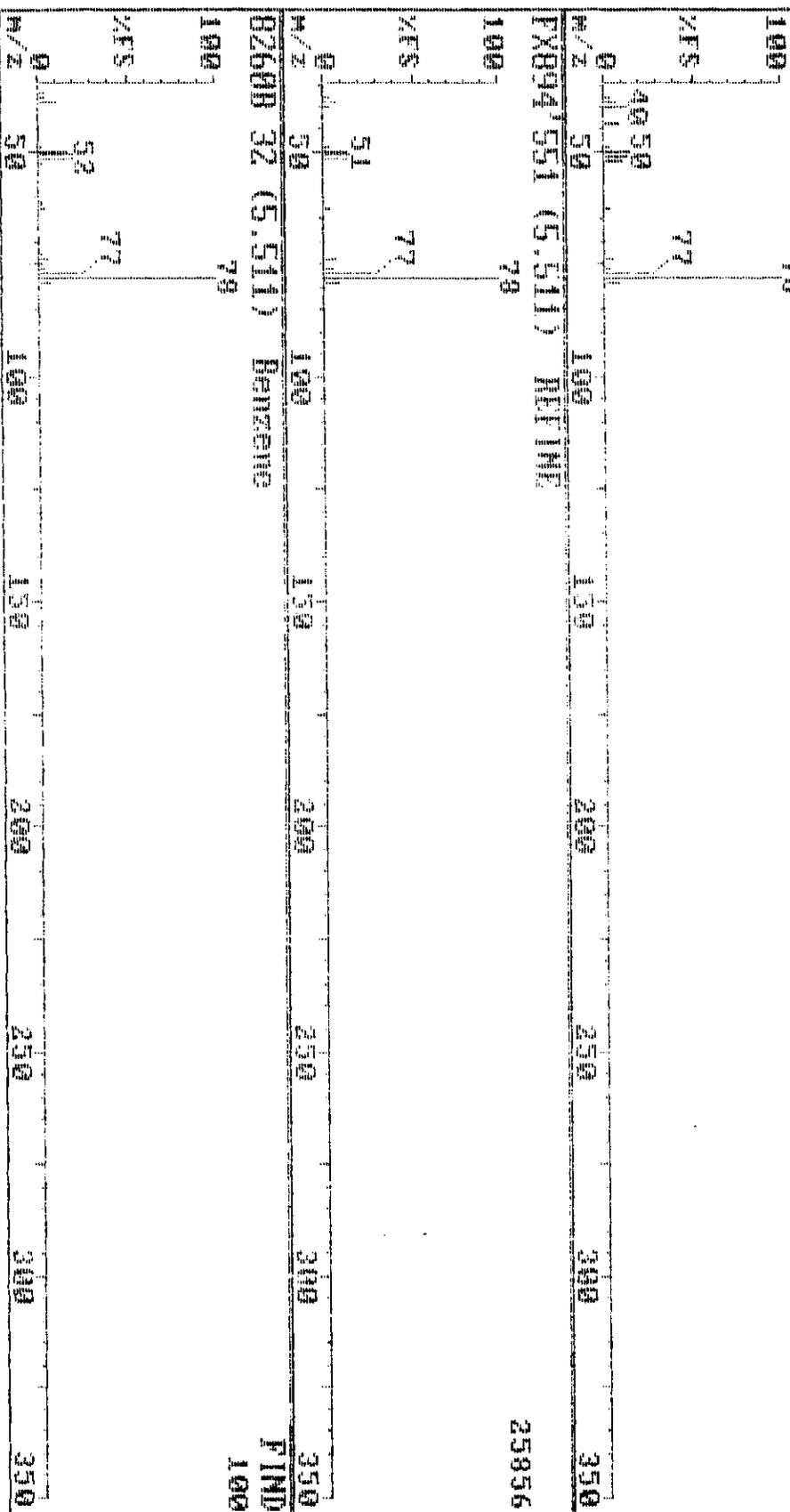
Triangje Laboratories, Inc. (910) 544-5729

Sample: UO8TRK T/TC

Instrument F

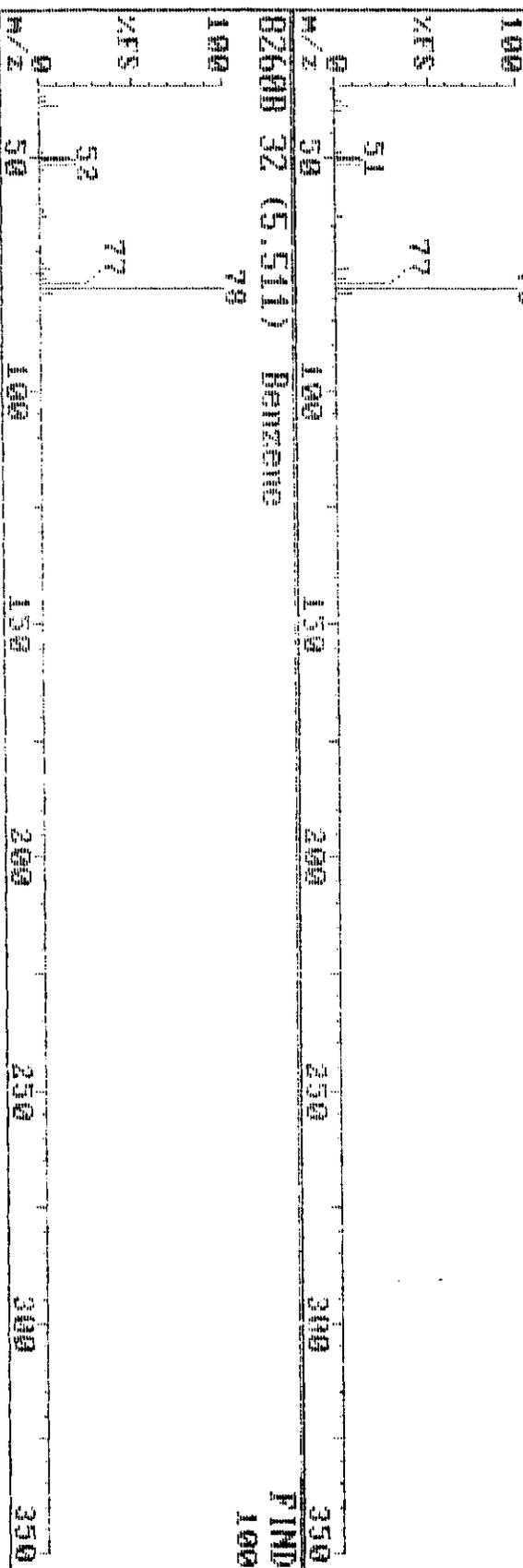
FXB94 551 (5.511)

27392



FXB94 551 (5.511) REFINE

25856



02608 32 (5.511) Benzene

PIND 100

10-Aug-98 12:46

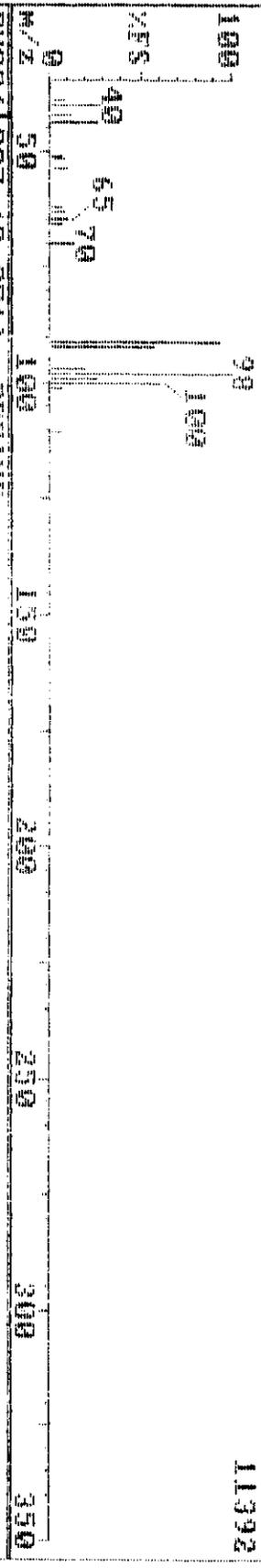
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Sample: VOSTBK T/TC

Instrument F

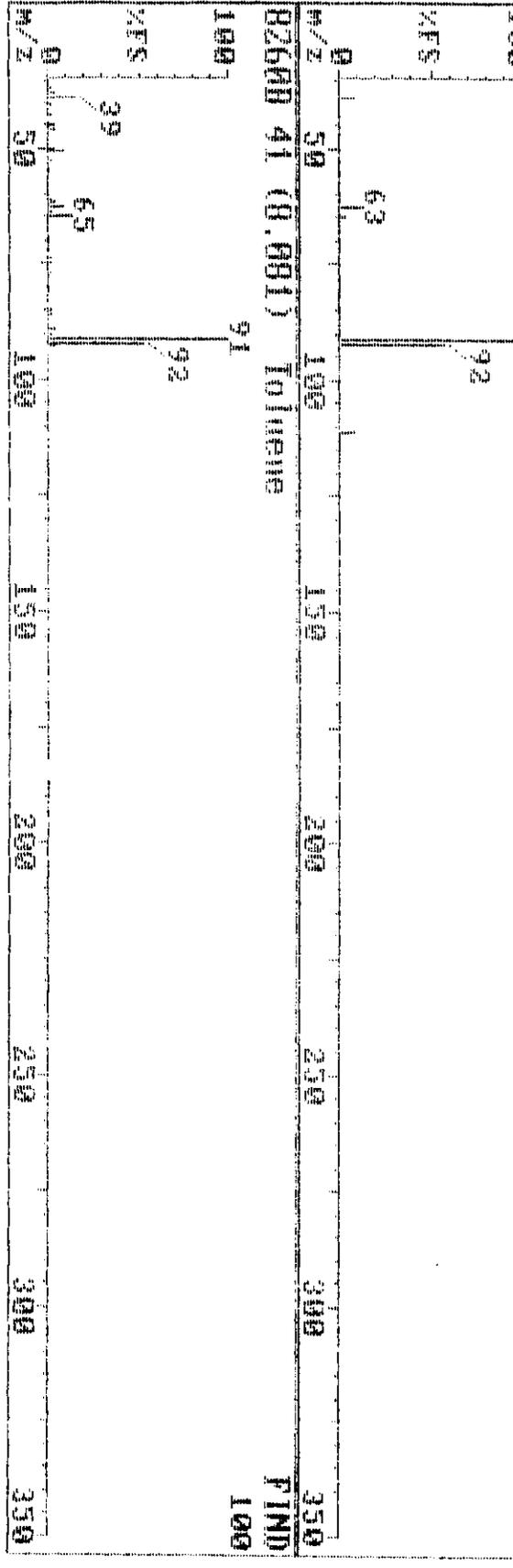
FXB94 887 (8.871)

11392



FXB94 887 (8.871) REFINE

9792



BZ6M 41 (8.881) Toluene

FIND 100

Pacific Environmental Services

Project Number: 46297
 Sample File: HW705

Method 8260 VOST
 Sample ID: VOSTBLK081998

Client Project: Hotmix
 TLI ID: VOSTBLK081998

Date Received: / /

Response File: ICALH809

Date Analyzed : 08/19/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.04 | | |
| Chloromethane | 0.003 | J | 0.96 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | | U | | 0.004 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.002 | J | 3.06 | | 0.05 |
| Acrylonitrile | | U | | 0.006 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.003 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 5.77 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | | U | | 0.001 | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46297

Sample File: HW705

Method 8260 VOST
Sample ID: VOSTBLK081998

Client Project: Hotmix
TLI ID: VOSTBLK081998

Date Received: / /

Response File: ICALH809

Date Analyzed : 08/19/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.002 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.001 | 0.05 |
| Toluene | 0.003 | J | 7.74 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 9.96 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.002 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | 0.001 | J | 10.56 | | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.001 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.10 | | |
| Cumene | 0.001 | J | 12.03 | | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Pacific Environmental Services

Project Number: 46297
Sample File: HW705

Method 8260 VOST
Sample ID: VOSTBLK081998

Client Project: Hotmix
TLI ID: VOSTBLK081998

Date Received: / /

Response File: ICALH809

Date Analyzed : 08/19/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.273 | 4.92 | 1 | 109 |
| Toluene-d ₈ | 0.280 | 7.66 | 2 | 112 |
| 4-Bromofluorobenzene | 0.293 | 12.25 | 2 | 117 |

Reviewed by _____

YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7
Printed: 18:08 08/24/1998

Pacific Environmental Services

Project Number: 46297

Sample File: HW705

Method 8260 VOST
Sample ID: VOSTBLK081998

Client Project: Hotmix
TLI ID: VOSTBLK081998

Date Received: / /

Response File: ICALH819

Date Analyzed: 08/19/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.04 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | 0.001 | J | 3.67 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.017 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 5.77 | | |
| Ethyl acrylate | | U | | 0.001 | 0.25 |

Reviewed by YR Date 8/24/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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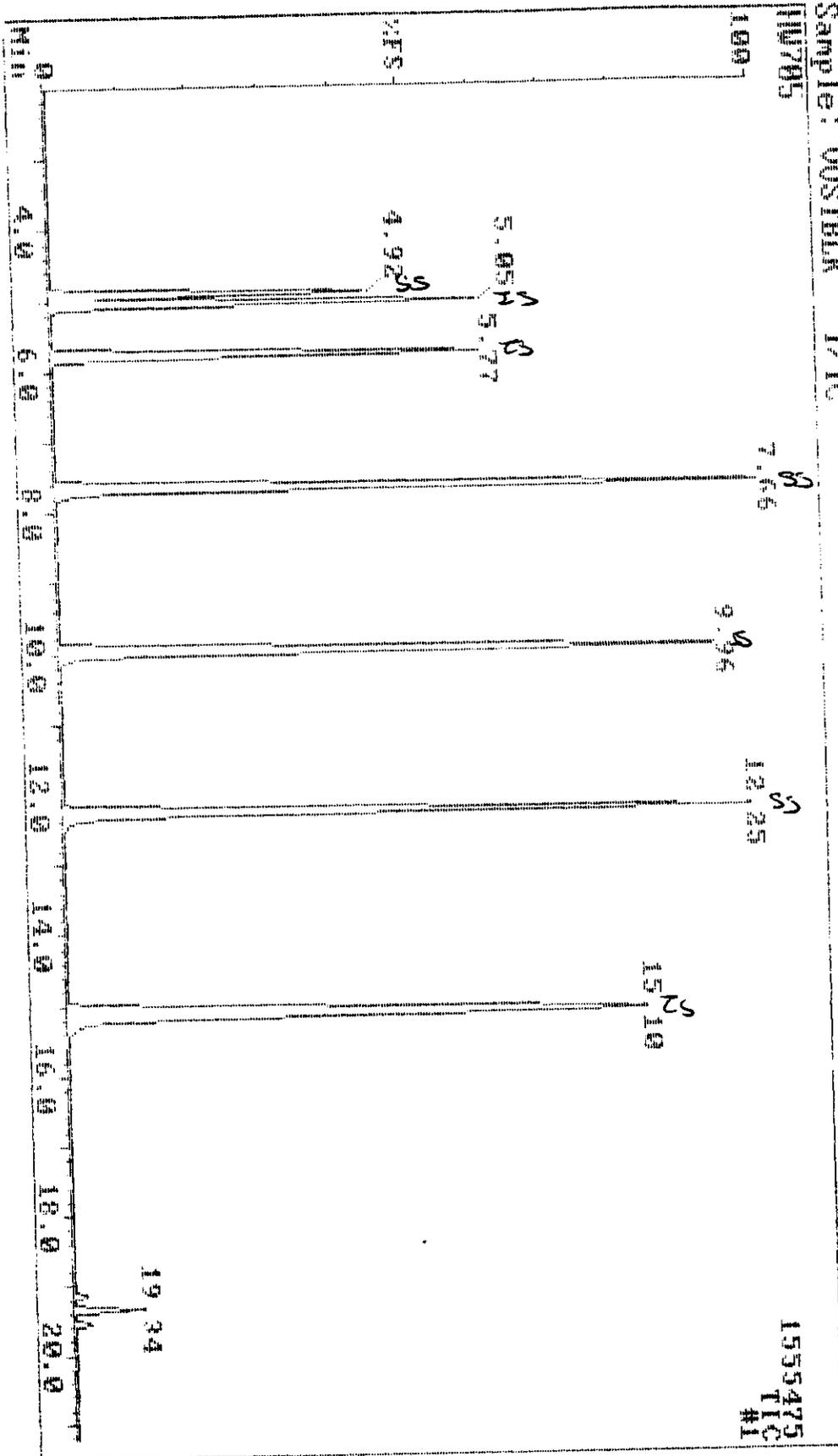
Savar v3.7
Printed: 18:00 08/24/1998

04-19-90 02:36

Sample: UOSTMUK T/10

Trianga Laboratories, Inc. (919) 544-5729

Instrument H



Data Review: *VL*
Date: 8/19/94

| No. | MAT | FDR | REV | Delta | Area | P.Flags | RI | QM Name |
|-----|-----|-----|-----|-------|------------------|---------|-----------------|------------------------------------|
| 1 | 100 | 85 | 98 | 0 | 2415996 | bb | 5.04 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 99 | 0 | 2874730 | bv | 5.77 | 114 1,4-Difluorobenzene |
| 3 | 100 | 95 | 95 | 0 | 4260740 | bv | 9.96 | 117 Chlorobenzene-d3 |
| 4 | 100 | 82 | 98 | 2 | 2872176 | bv | 13.10 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 98 | 100 | 1 | 1407888 | bb | 4.92 | 113 Dibromofluoromethane |
| 6 | 100 | 93 | 97 | 1 | 4508104 | bv | 7.66 | 98 Toluene-d8 |
| 7 | 100 | 89 | 93 | 0 | 2533348 | bv | 12.25 | 95 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 85 Dichlorodifluoromethane |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 50 Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 Vinyl Chloride |
| 11 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 94 Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 64 Chloroethane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 101 Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 1,1-Dichloroethane |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 42 Iodomethane |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 Carbon Disulfide |
| 17 | 52 | 18 | 85 | 8 | 3750 | | 2.77 | 43 Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Allyl Chloride |
| 19 | 35 | 59 | 80 | -1 | 6220 | bb | 3.06 | 34 Methylene chloride |
| 20 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 53 Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 trans-1,2-Dichloroethane |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 53 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 43 Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 17 2,2-Dichloropropane |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 cis-1,2-Dichloroethane |
| 26 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 43 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 128 Bromochloromethane |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 117 Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,1-Dichloropropene |
| 32 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 78 Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 130 Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,2-Dichloropropane |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 93 Dibromomethane |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 cis-1,3-Dichloropropene |
| 40 | 43 | 3 | 70 | 2 | 28138 | | 7.44 | 43 4-Methyl-2-pentanone |
| 41 | 76 | 43 | 81 | -1 | 33028 | bb | 7.74 | 92 Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 trans-1,3-Dichloropropane |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,2-Trichloroethane |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 69 Ethyl methacrylate |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 164 Tetrachloroethene |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 1,3-Dichloropropane |
| 47 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 43 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 129 Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 107 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 112 Chlorobenzene |

10543 m

0.961

~~3750~~ FP

FP

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name | |
|-----|-----|-----|-----|-------|------------------|---------------|------------------|---------------|-----------------------------|-------------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 131 | 1,1,1,2-Tetrachloroethane | |
| 52 | 0 | 0 | 0 | 0 | 0 | | 0.00✓ | 106 | Ethylbenzene | |
| 53 | 51 | 45 | 43 | 2 | 3212 | bb | 10.56 | 106 | m-/p-Xylene | |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 | o-Xylene | |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 104 | Styrene | |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 173 | Bromoform | |
| 57 | 63 | 45 | 59 | 0 | 12144 | bb | 12.03 | 105 | Cumene | |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 35 | 1,1,2,2-Tetrachloroethane | |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 156 | Bromobenzene | |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 | 1,2,3-Trichloropropane | |
| 61 | 68 | 56 | 56 | -2 | 3024 | m | 12.87 | FP | 120 | n-Propylbenzene |
| 62 | 16 | 11 | 23 | -15 | 456 | bb | 12.73 | FP | 75 | trans-1,4-Dichloro-2-but |
| 63 | 57 | 47 | 47 | 0 | 275 | bb | 12.57 | FP | 126 | 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 | 4-Chlorotoluene | |
| 65 | 70 | 57 | 57 | 1 | 10770 | a | 15.33 | FP | 105 | 1,3,5-Trimethylbenzene |
| 66 | 86 | 69 | 69 | 1 | 27028 | a | 14.11 | 119 | tert-Butylbenzene | |
| 67 | 63 | 52 | 52 | 0 | 12672 | a | 14.27 | 105 | 1,2,4-Trimethylbenzene | |
| 68 | 88 | 70 | 70 | 0 | 48380 | sv | 14.77 | 105 | sec-butylbenzene | |
| 69 | 52 | 31 | 52 | 0 | 45240 | a | 14.30 | 119 | o-Xylene | |
| 70 | 71 | 52 | 64 | 1 | 18108 | a | 14.87 | 146 | 1,3-Dichlorobenzene | |
| 71 | 0 | 0 | 0 | 0 | 34648 | m | 15.71 | FP | 146 | 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 | Benzyl chloride | |
| 73 | 78 | 64 | 64 | 2 | 38504 | a | 15.89 | 91 | n-Butylbenzene | |
| 74 | 63 | 54 | 54 | 2 | 13808 | a | 16.47 | 146 | 1,2-Dichlorobenzene | |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 | 1,2-Dibromo-3-chloropropane | |
| 76 | 100 | 83 | 83 | -2 | 34652 | bb | 19.15 | 130 | 1,2,4-Trichlorobenzene | |
| 77 | 89 | 58 | 95 | -3 | 73944 | bb | 19.34 | 225 | Hexachlorobutadiene | |
| 78 | 94 | 73 | 81 | -1 | 55164 | sv | 19.34 | 128 | Naphthalene | |
| 79 | 100 | 88 | 88 | -2 | 44134 | cb | 19.51 | 130 | 1,2,3-Trichlorobenzene | |

MS/19/18

| No. | MAT | FDR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|-----|-----|-----|-------|---------|---------|-------|----------------------------|
| 1 | 100 | 85 | 98 | 0 | 2415996 | bb | 5.04 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 99 | 1 | 3874780 | bv | 5.77 | 114 1,4-Difluorobenzene |
| 3 | 100 | 95 | 95 | 0 | 4260740 | bv | 9.96 | 117 Chlorobenzene-d5 |
| 4 | 100 | 82 | 98 | 5 | 2872176 | bv | 15.10 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 98 | 100 | 2 | 1407888 | bb | 4.92 | 115 Dibromofluoromethane |
| 6 | 100 | 93 | 97 | 1 | 4508104 | bv | 7.66 | 98 Toluene-d8 |
| 7 | 100 | 89 | 93 | 2 | 2533348 | bv | 12.25 | 95 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 79 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 Vinyl bromide |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 73 MTBE |
| 11 | 62 | 50 | 50 | 1 | 3692 | bb | 3.67 | 57 n-Hexane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 42 1,2-Epoxybutane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 57 iso-Octane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 55 Ethyl Acrylate |

9-Aug-98 10:06

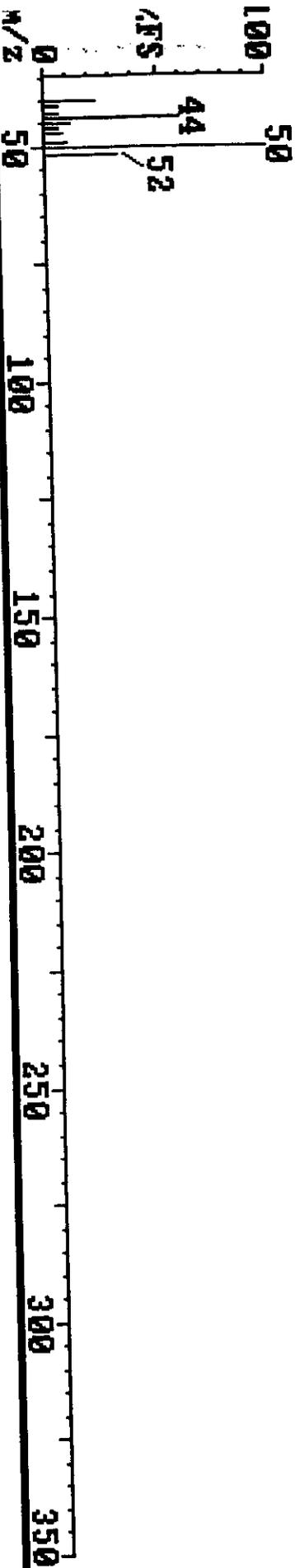
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-1-3-A T 214-1-8A TL1#46297

Instrument H

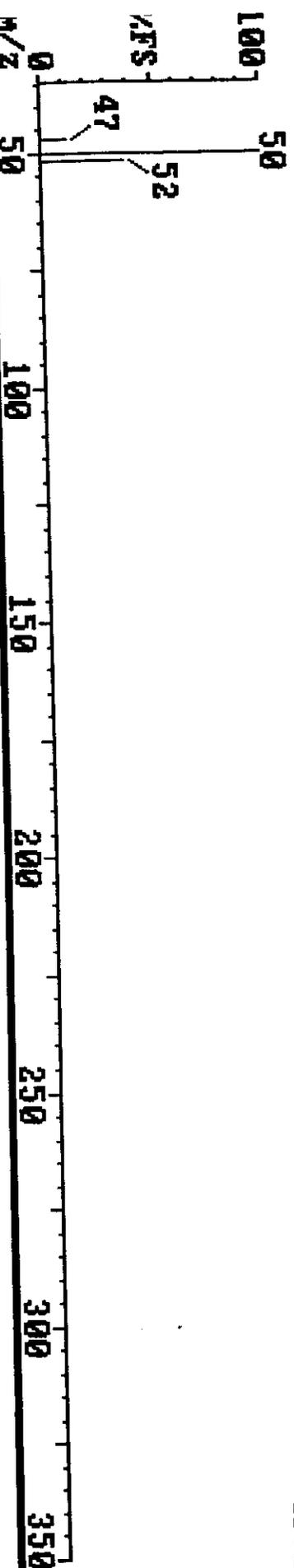
HW713 96 (0.960)

6464



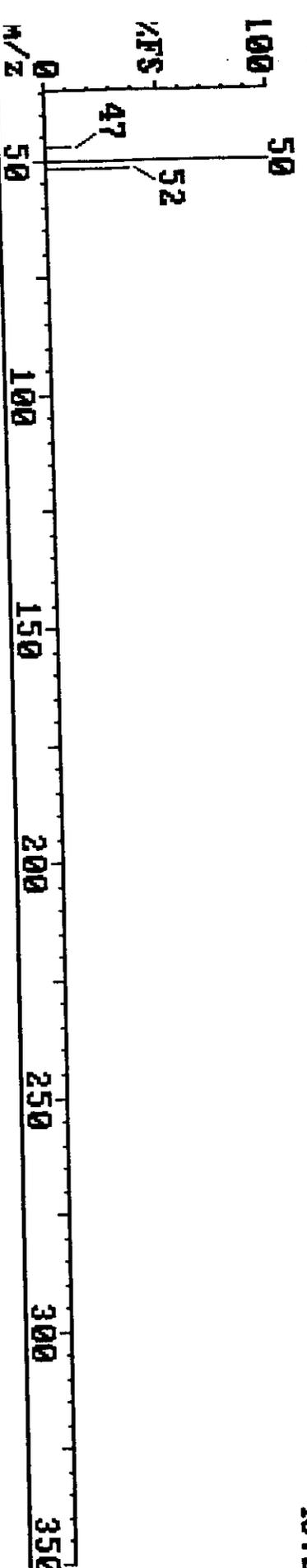
HW713'96 (0.961) REFINE

4672



HW713'96 (0.961) REFINE

4672



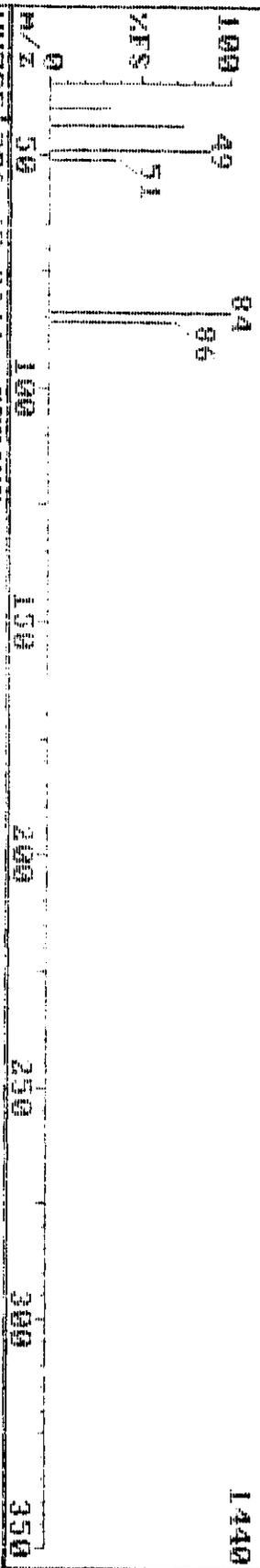
MO-19-90 02:36

Sample: VOSTBLK T/TC

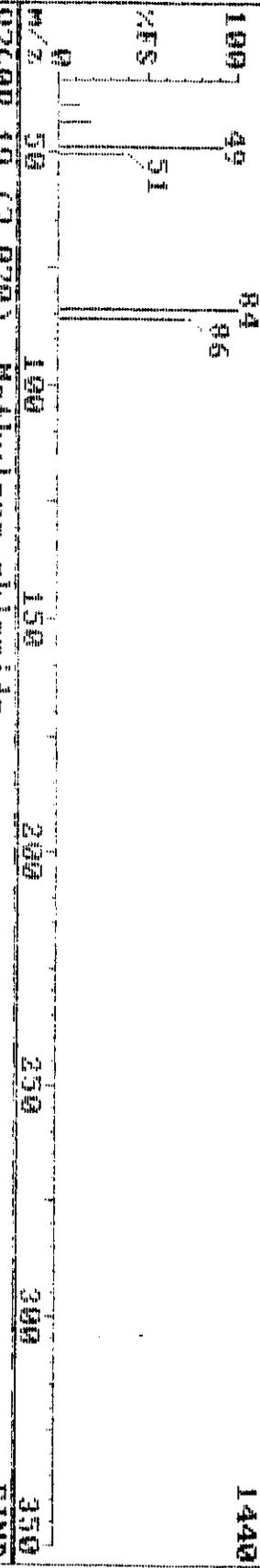
Triangle Laboratories, Inc. (919) 544-5729

Instrument II

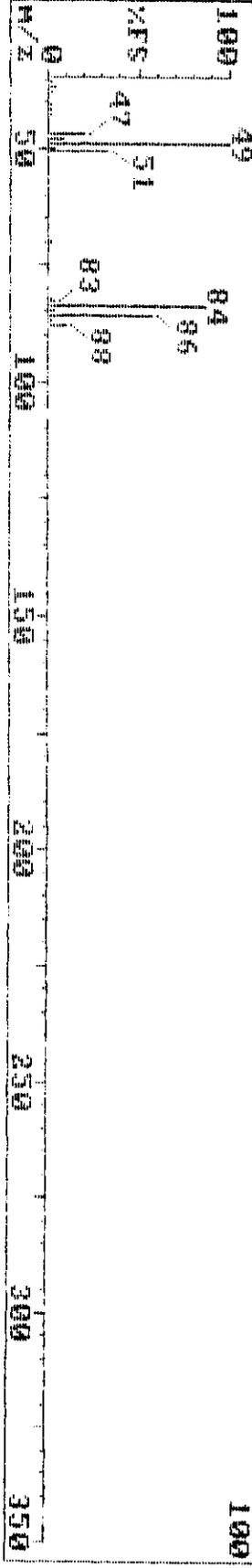
HM705 306 (3.660)



HM705 306 (3.661) REFINE



82608 19 (3.070) Methylene chloride



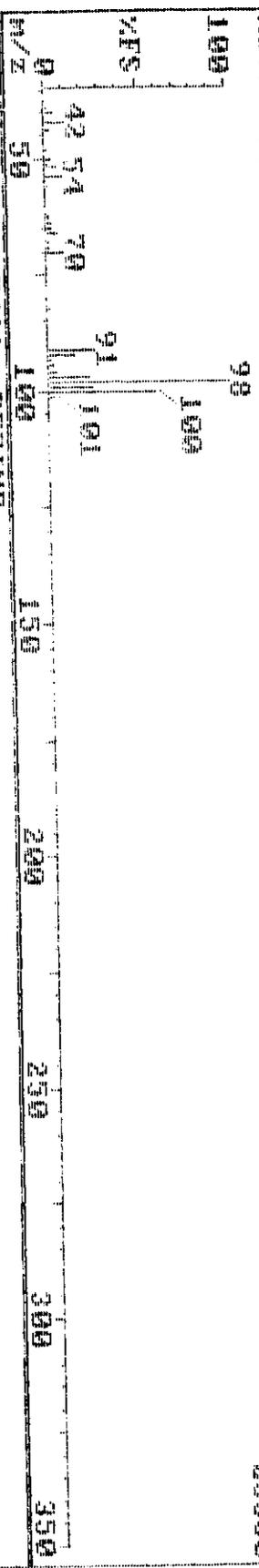
00-19-98 02:36 Triangle Laboratories, Inc. (919) 544-5729

Sample: UOSTBIK T/TC

Instrument H

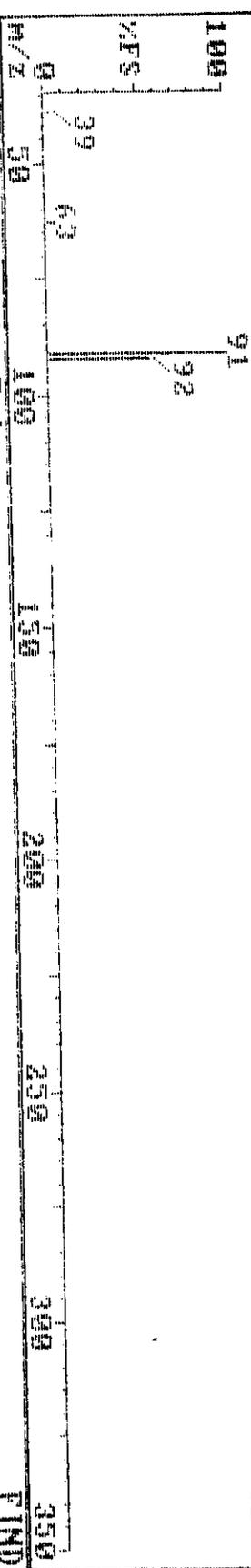
HW705 774 (7.741)

26880



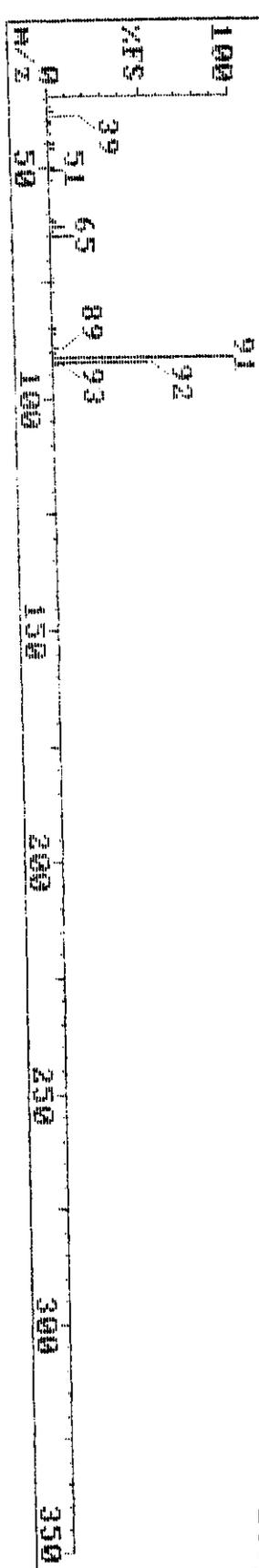
HW705 774 (7.741) REFERENCE

6272



BZ600 41 (7.751) Toluene

FIND 100



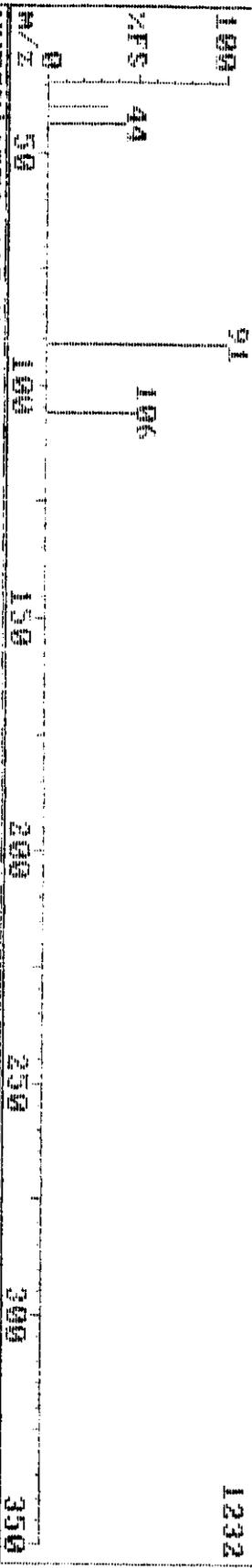
08-19-90 02:36

Triangle Laboratories, Inc. (919) 544-5779

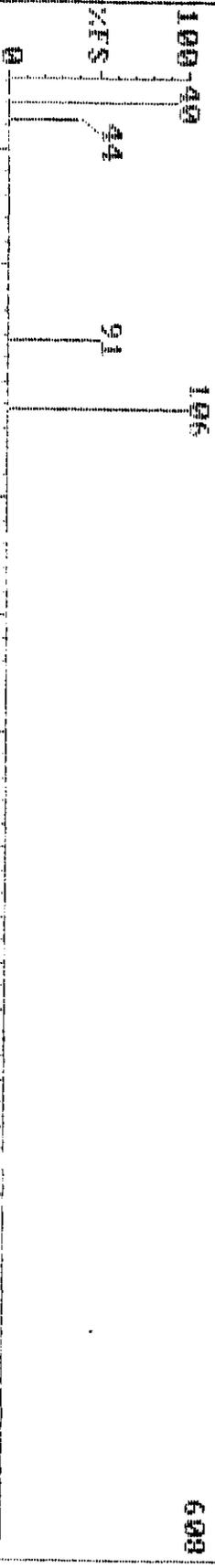
Sample: UOSTMUK T/TC

Instrument H

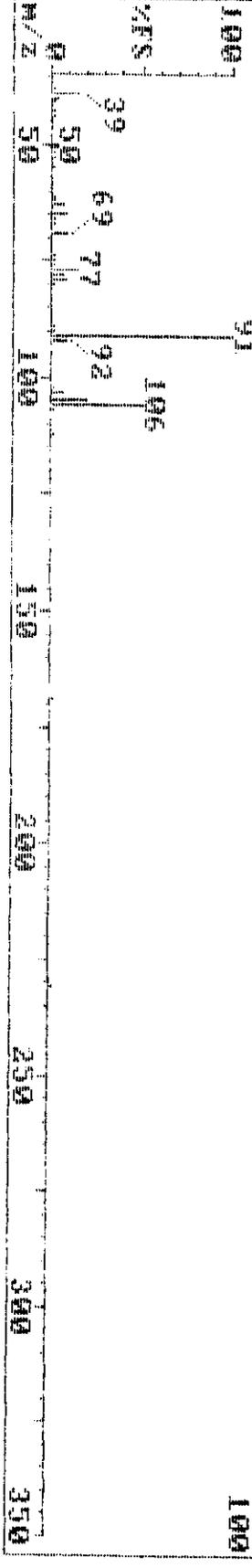
HU705 1656 (10.561)



HU705 1656 (10.561) REFIND



0760M 53 (10.541) m-p Xylene



08-19-99 02:36

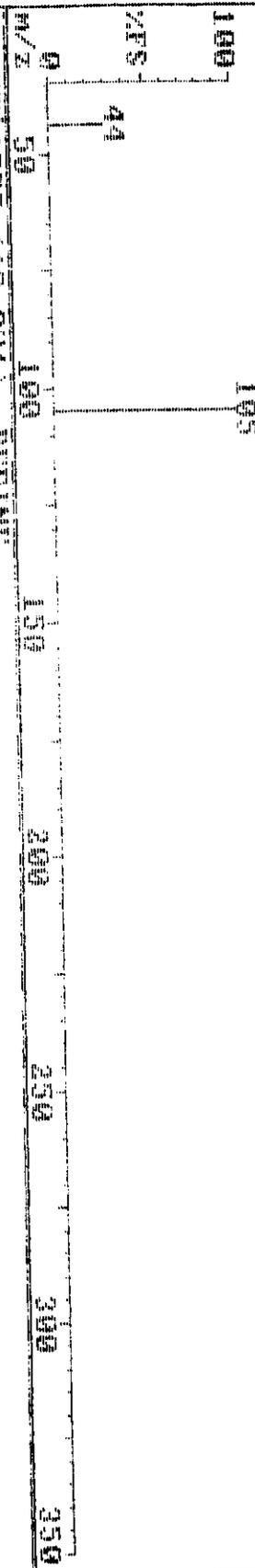
Triangje Laboratories, Inc. (919) 544-5729

Instrument H

Sample: UO8THX T/T/C

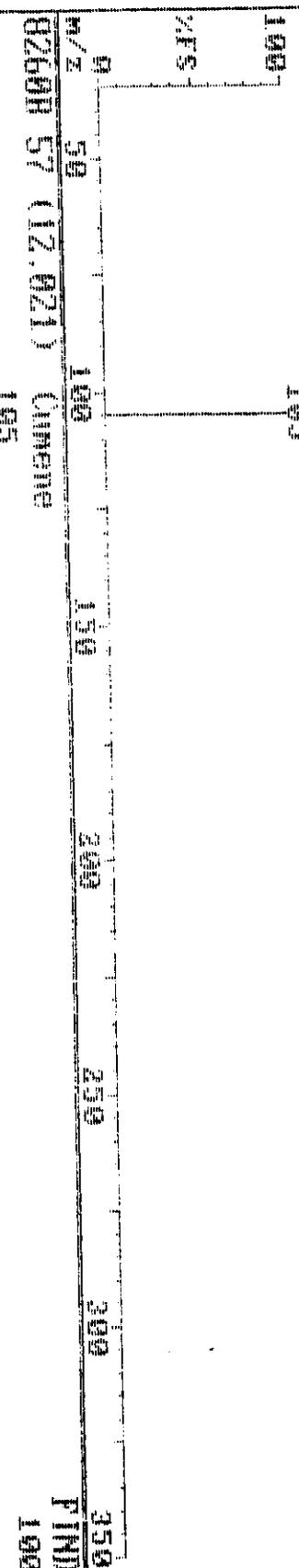
HW705 1203 (12.031)

1632



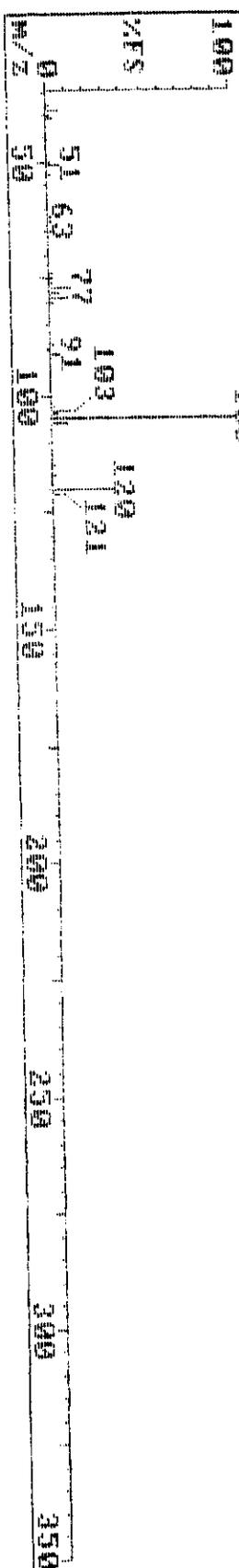
HW705 1203 (12.031) UO8THX

1632



0260H 57 (12.021) UO8THX

1632



00-19-90 02:36

Triangle Laboratories, Inc. (919) 544-5729

Sample: UGTHM 1/10

Instrument: H

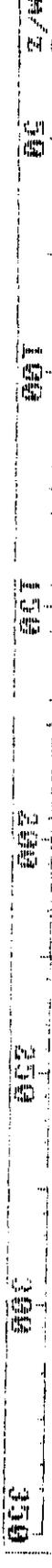
HW705 367 (3.670)



HW705 367 (3.671) HEPTAN



026BX 11 (3.660) n-HEXANE



CALIBRATION
DATA

Triangle Laboratories, Inc.
801 Capitola Drive
Durham, NC 27713-4411
919-544-5729

P.O. Box 13485
Research Triangle Park, NC 27709-3485
Fax # 919-544-5491

Triangle Laboratories, Inc.

Initial Calibration Curve

ICAL File: ICALH809

Date of Analysis :08/09/98

Analyte List: 8260

RF.10 HW551

RF.25 HW552

RF.50 HW553

RF.75 HW554

RF1.00 HW555

VOST Calibration.

| Analyte | Flag | RF.10 | RF.25 | RF.50 | RF.75 | RF1.00 | MEAN | %RSD |
|---------------------------|------|-------|-------|-------|-------|--------|-------|------|
| Pentafluorobenzene | I | | | | | | | |
| Dichlorodifluoromethane | | 0.617 | 0.695 | 0.639 | 0.610 | 0.715 | 0.655 | 7.2 |
| Chloromethane | P | 0.387 | 0.407 | 0.363 | 0.343 | 0.388 | 0.377 | 6.6 |
| Vinyl Chloride | C | 0.439 | 0.497 | 0.449 | 0.438 | 0.517 | 0.468 | 7.8 |
| Bromomethane | | 0.412 | 0.450 | 0.351 | 0.421 | 0.512 | 0.429 | 13.7 |
| Chloroethane | | 0.248 | 0.276 | 0.215 | 0.239 | 0.292 | 0.254 | 11.9 |
| Trichlorofluoromethane | | 1.009 | 1.058 | 0.965 | 1.028 | 1.245 | 1.061 | 10.2 |
| 1,1-Dichloroethene | C | 0.442 | 0.502 | 0.482 | 0.381 | 0.515 | 0.464 | 11.7 |
| Iodomethane | | 0.950 | 1.061 | 1.070 | 0.881 | 0.944 | 0.981 | 8.3 |
| Carbon disulfide | | 1.060 | 1.160 | 1.129 | 0.896 | 1.018 | 1.053 | 9.9 |
| Acetone | | 0.055 | 0.047 | 0.049 | 0.036 | 0.063 | 0.050 | 20.3 |
| Allyl chloride | | 0.386 | 0.416 | 0.415 | 0.309 | 0.370 | 0.379 | 11.6 |
| Methylene chloride | | 0.392 | 0.412 | 0.388 | 0.289 | 0.287 | 0.354 | 17.2 |
| Acrylonitrile | | 0.045 | 0.039 | 0.041 | 0.035 | 0.026 | 0.037 | 19.7 |
| trans-1,2-Dichloroethene | | 0.463 | 0.488 | 0.471 | 0.437 | 0.366 | 0.445 | 10.8 |
| 1,1-Dichloroethane | P | 0.739 | 0.762 | 0.709 | 0.730 | 0.723 | 0.733 | 2.7 |
| Vinyl acetate | | 0.409 | 0.391 | 0.405 | 0.395 | 0.391 | 0.398 | 2.1 |
| 2,2-Dichloropropane | | 0.631 | 0.686 | 0.667 | 0.662 | 0.686 | 0.667 | 3.4 |
| cis-1,2-Dichloroethene | | 0.429 | 0.462 | 0.444 | 0.448 | 0.472 | 0.451 | 3.6 |
| 2-Butanone | | 0.073 | 0.059 | 0.061 | 0.060 | 0.064 | 0.063 | 8.8 |
| Chloroform | C | 0.756 | 0.799 | 0.759 | 0.751 | 0.790 | 0.771 | 2.8 |
| Bromochloromethane | | 0.227 | 0.234 | 0.237 | 0.233 | 0.239 | 0.234 | 1.8 |
| 1,1,1-Trichloroethane | | 0.699 | 0.745 | 0.721 | 0.717 | 0.732 | 0.723 | 2.4 |
| 1,4-Difluorobenzene | I | | | | | | | |
| Carbon tetrachloride | | 0.641 | 0.532 | 0.501 | 0.628 | 0.704 | 0.601 | 13.9 |
| 1,1-Dichloropropene | | 0.659 | 0.513 | 0.491 | 0.606 | 0.673 | 0.589 | 14.2 |
| Benzene | | 1.457 | 0.985 | 0.984 | 1.171 | 1.270 | 1.173 | 17.1 |
| 1,2-Dichloroethane | | 0.328 | 0.296 | 0.299 | 0.360 | 0.412 | 0.339 | 14.2 |
| Trichloroethene | | 0.436 | 0.443 | 0.455 | 0.496 | 0.384 | 0.443 | 9.1 |
| 1,2-Dichloropropane | C | 0.450 | 0.426 | 0.426 | 0.480 | 0.344 | 0.425 | 11.9 |
| Dibromomethane | | 0.290 | 0.267 | 0.275 | 0.317 | 0.223 | 0.274 | 12.5 |
| Methyl methacrylate | | 0.120 | 0.111 | 0.116 | 0.123 | 0.063 | 0.107 | 23.4 |
| Bromodichloromethane | | 0.667 | 0.644 | 0.667 | 0.796 | 0.490 | 0.653 | 16.7 |
| cis-1,3-Dichloropropene | | 0.635 | 0.623 | 0.609 | 0.712 | 0.509 | 0.618 | 11.8 |
| 4-Methyl-2-pentanone | | 0.204 | 0.150 | 0.159 | 0.179 | 0.166 | 0.172 | 12.1 |
| Toluene | C | 1.054 | 0.948 | 0.938 | 1.133 | 1.009 | 1.016 | 7.9 |
| trans-1,3-Dichloropropene | | 0.522 | 0.462 | 0.461 | 0.539 | 0.552 | 0.507 | 8.5 |
| 1,1,2-Trichloroethane | | 0.381 | 0.321 | 0.305 | 0.364 | 0.362 | 0.347 | 9.2 |

* - Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| ICAL File: ICALH809 | Date of Analysis :08/09/98 | Analyte List: 8260 |
| RF.10 HW551 | RF.25 HW552 | RF.50 HW553 |
| RF.75 HW554 | RF1.00 HW555 | |

VOST Calibration.

| Analyte | Flag | RF.10 | RF.25 | RF.50 | RF.75 | RF1.00 | MEAN | %RSD |
|-----------------------------|------|-------|-------|-------|-------|--------|-------|------|
| Ethyl methacrylate | | 0.394 | 0.326 | 0.335 | 0.387 | 0.434 | 0.375 | 11.9 |
| Chlorobenzene-d5 | I | | | | | | | |
| Tetrachloroethene | | 0.388 | 0.381 | 0.398 | 0.403 | 0.347 | 0.383 | 5.7 |
| 1,3-Dichloropropane | | 0.408 | 0.366 | 0.373 | 0.361 | 0.337 | 0.369 | 7.0 |
| 2-Hexanone | I | 0.079 | 0.061 | 0.070 | 0.070 | 0.081 | 0.072 | 11.1 |
| Dibromochloromethane | | 0.399 | 0.381 | 0.408 | 0.390 | 0.355 | 0.387 | 5.2 |
| 1,2-Dibromoethane | | 0.326 | 0.297 | 0.310 | 0.292 | 0.277 | 0.300 | 6.2 |
| Chlorobenzene | P | 0.930 | 0.929 | 0.979 | 0.960 | 0.978 | 0.955 | 2.6 |
| 1,1,1,2-Tetrachloroethane | | 0.393 | 0.394 | 0.423 | 0.429 | 0.436 | 0.415 | 4.9 |
| Ethylbenzene | C | 0.509 | 0.525 | 0.542 | 0.555 | 0.572 | 0.541 | 4.5 |
| m-/p-Xylene | | 0.628 | 0.646 | 0.679 | 0.697 | 0.730 | 0.676 | 6.0 |
| o-Xylene | | 0.601 | 0.605 | 0.641 | 0.653 | 0.701 | 0.640 | 6.4 |
| Styrene | | 0.925 | 0.957 | 1.012 | 1.036 | 1.121 | 1.010 | 7.5 |
| Bromoform | P | 0.211 | 0.193 | 0.205 | 0.217 | 0.215 | 0.208 | 4.6 |
| 1,4-Dichlorobenzene-d4 | I | | | | | | | |
| Cumene | | 3.195 | 2.902 | 3.063 | 3.038 | 2.980 | 3.036 | 3.6 |
| 1,1,2,2-Tetrachloroethane | P | 0.518 | 0.357 | 0.362 | 0.368 | 0.390 | 0.399 | 17.0 |
| Bromobenzene | | 0.853 | 0.789 | 0.832 | 0.838 | 0.831 | 0.828 | 2.9 |
| 1,2,3-Trichloropropane | | 0.369 | 0.133 | 0.247 | 0.241 | 0.255 | 0.249 | 33.7 |
| n-Propylbenzene | | 0.929 | 0.879 | 0.938 | 0.966 | 0.994 | 0.941 | 4.6 |
| trans-1,4-Dichloro-2-butene | | 0.363 | 0.249 | 0.247 | 0.241 | 0.255 | 0.271 | 19.0 |
| 2-Chlorotoluene | | 0.803 | 0.750 | 0.787 | 0.803 | 0.839 | 0.796 | 4.1 |
| 4-Chlorotoluene | | 0.784 | 0.737 | 0.755 | 0.759 | 0.781 | 0.763 | 2.5 |
| 1,3,5-Trimethylbenzene | | 2.403 | 2.315 | 2.356 | 2.339 | 2.414 | 2.365 | 1.8 |
| tert-Butylbenzene | | 2.796 | 2.638 | 2.690 | 2.772 | 2.753 | 2.730 | 2.4 |
| 1,2,4-Trimethylbenzene | | 2.336 | 2.275 | 2.358 | 2.337 | 2.373 | 2.336 | 1.6 |
| sec-Butylbenzene | | 3.659 | 3.447 | 3.569 | 3.661 | 3.663 | 3.600 | 2.6 |
| p-Cymene | | 2.902 | 2.729 | 2.829 | 2.977 | 2.808 | 2.849 | 3.3 |
| 1,3-Dichlorobenzene | | 1.485 | 1.370 | 1.417 | 1.473 | 1.509 | 1.451 | 3.9 |
| 1,4-Dichlorobenzene | | 1.505 | 1.349 | 1.400 | 1.431 | 1.480 | 1.433 | 4.4 |
| Benzyl chloride | | 0.504 | 0.409 | 0.452 | 0.494 | 0.521 | 0.476 | 9.5 |
| n-Butylbenzene | | 2.839 | 2.762 | 2.859 | 2.978 | 2.994 | 2.886 | 3.4 |
| 1,2-Dichlorobenzene | | 1.223 | 1.061 | 1.091 | 1.149 | 1.170 | 1.139 | 5.6 |
| 1,2-Dibromo-3-chloropropane | | 0.076 | 0.037 | 0.040 | 0.048 | 0.049 | 0.050 | 31.4 |
| 1,2,4-Trichlorobenzene | | 1.195 | 0.588 | 0.615 | 0.767 | 0.791 | 0.791 | 30.7 |
| Hexachlorobutadiene | | 1.011 | 0.760 | 0.911 | 1.099 | 1.062 | 0.969 | 14.1 |
| Naphthalene | | 1.639 | 0.581 | 0.547 | 0.768 | 0.782 | 0.863 | 51.7 |
| 1,2,3-Trichlorobenzene | | 1.002 | 0.394 | 0.373 | 0.478 | 0.478 | 0.545 | 47.7 |
| Average %RSD | | | | | | | | 10.6 |

*- Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

184

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| ICAL File: ICALH809 | Date of Analysis :08/09/98 | Analyte List: 8260 |
| RF.10 HW551 | RF.25 HW552 | RF.50 HW553 |
| RF.75 HW554 | RF1.00 HW555 | |

VOST Calibration.

| Surrogate | Flag | RF.10 | RF.25 | RF.50 | RF.75 | RF1.00 | Mean | %RSD |
|----------------------|------|-------|-------|-------|-------|--------|-------|------|
| Dibromofluoromethane | S | 0.523 | 0.538 | 0.522 | 0.530 | 0.552 | 0.533 | 2.4 |
| Toluene-d8 | S | 1.422 | 1.357 | 1.310 | 1.625 | 1.290 | 1.401 | 9.7 |
| 4-Bromofluorobenzene | S | 0.702 | 0.656 | 0.636 | 0.788 | 0.974 | 0.751 | 18.3 |

Approved by: YB Date 8/24/98

*- Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

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185

185

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| ICAL File: ICALF814 | Date of Analysis :08/13/98 | Analyte List: 8260 |
| RF.1 FX853 | RF.25 FX854 | RF.50 FX855 |
| RF.75 FX856 | RF1.0 FX857 | |

VOST Calibration.

| Analyte | Flag | RF.1 | RF.25 | RF.50 | RF.75 | RF1.0 | MEAN | %RSD |
|---------------------------|------|-------|-------|-------|-------|-------|-------|------|
| Pentafluorobenzene | I | | | | | | | |
| Dichlorodifluoromethane | | 0.354 | 0.432 | 0.385 | 0.326 | 0.267 | 0.353 | 17.5 |
| Chloromethane | P | 0.418 | 0.391 | 0.321 | 0.313 | 0.270 | 0.343 | 17.6 |
| Vinyl Chloride | C | 0.306 | 0.339 | 0.342 | 0.329 | 0.310 | 0.325 | 5.0 |
| Bromomethane | | 0.161 | 0.169 | 0.197 | 0.175 | 0.181 | 0.176 | 7.7 |
| Chloroethane | | 0.267 | 0.254 | 0.231 | 0.232 | 0.215 | 0.240 | 8.7 |
| Trichlorofluoromethane | | 0.921 | 0.862 | 0.777 | 0.737 | 0.690 | 0.797 | 11.7 |
| 1,1-Dichloroethene | C | 0.362 | 0.331 | 0.305 | 0.301 | 0.296 | 0.319 | 8.7 |
| Iodomethane | | 0.559 | 0.549 | 0.520 | 0.535 | 0.523 | 0.537 | 3.1 |
| Carbon disulfide | | 0.971 | 0.888 | 0.861 | 0.833 | 0.788 | 0.868 | 7.9 |
| Acetone | | 0.024 | 0.019 | 0.028 | 0.046 | 0.111 | 0.046 | 82.9 |
| Allyl chloride | | 0.414 | 0.398 | 0.421 | 0.430 | 0.435 | 0.420 | 3.5 |
| Methylene chloride | | 0.277 | 0.253 | 0.230 | 0.217 | 0.209 | 0.237 | 11.8 |
| Acrylonitrile | | 0.012 | 0.012 | 0.011 | 0.012 | 0.012 | 0.012 | 3.1 |
| trans-1,2-Dichloroethene | | 0.387 | 0.361 | 0.350 | 0.335 | 0.336 | 0.354 | 6.0 |
| 1,1-Dichloroethane | P | 0.827 | 0.793 | 0.752 | 0.731 | 0.710 | 0.763 | 6.2 |
| Vinyl acetate | | 0.106 | 0.099 | 0.104 | 0.109 | 0.120 | 0.108 | 7.0 |
| 2,2-Dichloropropane | | 0.237 | 0.280 | 0.327 | 0.359 | 0.387 | 0.318 | 19.0 |
| cis-1,2-Dichloroethene | | 0.340 | 0.346 | 0.339 | 0.331 | 0.331 | 0.337 | 1.9 |
| 2-Butanone | | 0.026 | 0.020 | 0.035 | 0.051 | 0.120 | 0.050 | 80.5 |
| Chloroform | C | 0.755 | 0.701 | 0.661 | 0.619 | 0.597 | 0.667 | 9.5 |
| Bromochloromethane | | 0.148 | 0.144 | 0.141 | 0.129 | 0.126 | 0.138 | 7.1 |
| 1,1,1-Trichloroethane | | 0.777 | 0.784 | 0.775 | 0.743 | 0.741 | 0.764 | 2.7 |
| 1,4-Difluorobenzene | I | | | | | | | |
| Carbon tetrachloride | | 0.802 | 0.737 | 0.718 | 0.740 | 0.697 | 0.739 | 5.3 |
| 1,1-Dichloropropene | | 0.600 | 0.562 | 0.550 | 0.558 | 0.533 | 0.561 | 4.4 |
| Benzene | | 0.941 | 1.001 | 0.989 | 1.014 | 0.923 | 0.974 | 4.1 |
| 1,2-Dichloroethane | | 0.271 | 0.295 | 0.304 | 0.281 | 0.255 | 0.281 | 6.9 |
| Trichloroethene | | 0.402 | 0.460 | 0.505 | 0.520 | 0.505 | 0.478 | 10.1 |
| 1,2-Dichloropropane | C | 0.285 | 0.307 | 0.328 | 0.329 | 0.315 | 0.313 | 5.8 |
| Dibromomethane | | 0.105 | 0.105 | 0.112 | 0.101 | 0.096 | 0.104 | 5.8 |
| Methyl methacrylate | | 0.028 | 0.028 | 0.032 | 0.032 | 0.033 | 0.031 | 8.5 |
| Bromodichloromethane | | 0.353 | 0.367 | 0.386 | 0.375 | 0.355 | 0.367 | 3.7 |
| cis-1,3-Dichloropropene | | 0.193 | 0.236 | 0.264 | 0.288 | 0.293 | 0.255 | 16.2 |
| 4-Methyl-2-pentanone | | 0.029 | 0.034 | 0.039 | 0.046 | 0.054 | 0.041 | 23.6 |
| Toluene | C | 0.672 | 0.740 | 0.725 | 0.742 | 0.711 | 0.718 | 4.0 |
| trans-1,3-Dichloropropene | | 0.094 | 0.119 | 0.139 | 0.157 | 0.159 | 0.134 | 20.5 |
| 1,1,2-Trichloroethane | | 0.118 | 0.117 | 0.138 | 0.115 | 0.111 | 0.120 | 8.6 |

* - Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| ICAL File: ICALF814 | Date of Analysis :08/13/98 | Analyte List: 8260 |
| RF.1 FX853 | RF.25 FX854 | RF.50 FX855 |
| RF.75 FX856 | RF1.0 FX857 | |

VOST Calibration.

| Analyte | Flag | RF.1 | RF.25 | RF.50 | RF.75 | RF1.0 | MEAN | %RSD |
|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|
| Ethyl methacrylate | | 0.065 | 0.062 | 0.074 | 0.082 | 0.088 | 0.074 | 14.8 |
| Chlorobenzene-d5 | I | | | | | | | |
| Tetrachloroethene | | 0.401 | 0.455 | 0.462 | 0.533 | 0.515 | 0.473 | 11.1 |
| 1,3-Dichloropropane | | 0.221 | 0.240 | 0.251 | 0.246 | 0.238 | 0.239 | 4.8 |
| 2-Hexanone | I | 0.009 | 0.010 | 0.020 | 0.040 | 0.103 | 0.037 | 107.5 |
| Dibromochloromethane | | 0.222 | 0.228 | 0.238 | 0.248 | 0.240 | 0.235 | 4.4 |
| 1,2-Dibromoethane | | 0.143 | 0.143 | 0.148 | 0.147 | 0.144 | 0.145 | 1.6 |
| Chlorobenzene | P | 0.989 | 1.024 | 0.965 | 1.031 | 0.967 | 0.995 | 3.1 |
| 1,1,1,2-Tetrachloroethane | | 0.352 | 0.360 | 0.340 | 0.392 | 0.368 | 0.363 | 5.4 |
| Ethylbenzene | C | 0.538 | 0.619 | 0.611 | 0.661 | 0.636 | 0.613 | 7.5 |
| m-/p-Xylene | | 0.700 | 0.776 | 0.741 | 0.817 | 0.725 | 0.752 | 6.1 |
| o-Xylene | | 0.528 | 0.646 | 0.626 | 0.690 | 0.645 | 0.627 | 9.6 |
| Styrene | | 0.690 | 0.840 | 0.814 | 0.874 | 0.847 | 0.813 | 8.9 |
| Bromoform | P | 0.082 | 0.074 | 0.086 | 0.087 | 0.083 | 0.082 | 6.4 |
| 1,4-Dichlorobenzene-d4 | I | | | | | | | |
| Cumene | | 5.060 | 5.674 | 4.650 | 5.625 | 4.866 | 5.175 | 8.8 |
| 1,1,2,2-Tetrachloroethane | P | 0.264 | 0.199 | 0.213 | 0.222 | 0.210 | 0.221 | 11.3 |
| Bromobenzene | | 0.716 | 0.799 | 0.686 | 0.806 | 0.810 | 0.763 | 7.6 |
| 1,2,3-Trichloropropane | | 0.192 | 0.171 | 0.178 | 0.175 | 0.166 | 0.176 | 5.6 |
| n-Propylbenzene | | 1.404 | 1.619 | 1.299 | 1.660 | 1.693 | 1.535 | 11.3 |
| trans-1,4-Dichloro-2-butene | | 0.127 | 0.132 | 0.107 | 0.116 | 0.112 | 0.119 | 8.9 |
| 2-Chlorotoluene | | 1.064 | 1.181 | 0.884 | 1.135 | 1.140 | 1.081 | 10.9 |
| 4-Chlorotoluene | | 0.915 | 1.046 | 0.867 | 1.048 | 1.053 | 0.986 | 9.0 |
| 1,3,5-Trimethylbenzene | | 3.783 | 4.371 | 3.318 | 4.220 | 4.258 | 3.990 | 11.0 |
| tert-Butylbenzene | | 3.908 | 5.199 | 3.798 | 4.955 | 5.436 | 4.659 | 16.2 |
| 1,2,4-Trimethylbenzene | | 3.367 | 3.736 | 3.006 | 3.756 | 3.798 | 3.533 | 9.7 |
| sec-Butylbenzene | | 5.951 | 6.596 | 5.325 | 6.751 | 6.395 | 6.204 | 9.3 |
| p-Cymene | | 4.811 | 5.375 | 4.431 | 5.686 | 5.714 | 5.203 | 10.8 |
| 1,3-Dichlorobenzene | | 1.602 | 1.707 | 1.427 | 1.712 | 1.695 | 1.629 | 7.4 |
| 1,4-Dichlorobenzene | | 1.584 | 1.553 | 1.360 | 1.557 | 1.519 | 1.514 | 5.9 |
| Benzyl chloride | | 0.062 | 0.043 | 0.054 | 0.071 | 0.083 | 0.063 | 24.3 |
| n-Butylbenzene | | 4.254 | 4.250 | 3.673 | 4.626 | 4.329 | 4.226 | 8.2 |
| 1,2-Dichlorobenzene | | 0.997 | 0.905 | 0.983 | 1.135 | 1.113 | 1.027 | 9.3 |
| 1,2-Dibromo-3-chloropropane | | 0.016 | 0.006 | 0.016 | 0.016 | 0.016 | 0.014 | 32.8 |
| 1,2,4-Trichlorobenzene | | 0.270 | 0.200 | 0.309 | 0.335 | 0.348 | 0.293 | 20.3 |
| Hexachlorobutadiene | | 1.234 | 0.808 | 0.970 | 1.193 | 1.180 | 1.077 | 16.9 |
| Naphthalene | | 0.161 | 0.101 | 0.191 | 0.204 | 0.249 | 0.181 | 30.2 |
| 1,2,3-Trichlorobenzene | | 0.157 | 0.107 | 0.186 | 0.203 | 0.212 | 0.173 | 24.5 |
| Average %RSD | | | | | | | | 13.3 |

*- Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| ICAL File: ICALF814 | Date of Analysis :08/13/98 | Analyte List: 8260 |
| RF.1 FX853 | RF.25 FX854 | RF.50 FX855 |
| RF.75 FX856 | RF1.0 FX857 | |

VOST Calibration.

| Surrogate | Flag | RF.1 | RF.25 | RF.50 | RF.75 | RF1.0 | Mean | %RSD |
|----------------------|------|-------|-------|-------|-------|-------|-------|------|
| Dibromofluoromethane | S | 0.458 | 0.441 | 0.417 | 0.403 | 0.388 | 0.421 | 6.7 |
| Toluene-d8 | S | 0.891 | 1.036 | 1.050 | 1.112 | 1.011 | 1.020 | 8.0 |
| 4-Bromofluorobenzene | S | 0.308 | 0.344 | 0.366 | 0.354 | 0.329 | 0.340 | 6.7 |

Approved by: _____ *YR* Date *8/24/98*

*- Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

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Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: FX872 Date of Analysis :08/17/98 Analyte List: 8260

ICAL File: ICALF814

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|-------|
| Pentafluorobenzene | I | | | |
| Dichlorodifluoromethane | | 0.294 | 0.353 | 16.7 |
| Chloromethane | P | 0.247 | 0.343 | 28.0 |
| Vinyl Chloride | C | 0.284 | 0.325 | 12.6 |
| Bromomethane | | 0.208 | 0.176 | -18.2 |
| Chloroethane | | 0.216 | 0.240 | 10.0 |
| Trichlorofluoromethane | | 0.685 | 0.797 | 14.1 |
| 1,1-Dichloroethene | C | 0.281 | 0.319 | 11.9 |
| Iodomethane | | 0.457 | 0.537 | 14.9 |
| Carbon disulfide | | 0.833 | 0.868 | 4.0 |
| Acetone | | 0.019 | 0.046 | 58.7 |
| Allyl chloride | | 0.283 | 0.420 | 32.6 |
| Methylene chloride | | 0.246 | 0.237 | -3.8 |
| Acrylonitrile | | 0.009 | 0.012 | 25.0 |
| trans-1,2-Dichloroethene | | 0.335 | 0.354 | 5.4 |
| 1,1-Dichloroethane | P | 0.704 | 0.763 | 7.7 |
| Vinyl acetate | | 0.082 | 0.108 | 24.1 |
| 2,2-Dichloropropane | | 0.289 | 0.318 | 9.1 |
| cis-1,2-Dichloroethene | | 0.330 | 0.337 | 2.1 |
| 2-Butanone | | 0.017 | 0.050 | 66.0 |
| Chloroform | C | 0.650 | 0.667 | 2.5 |
| Bromochloromethane | | 0.131 | 0.138 | 5.1 |
| 1,1,1-Trichloroethane | | 0.686 | 0.764 | 10.2 |
| 1,4-Difluorobenzene | I | | | |
| Carbon tetrachloride | | 0.691 | 0.739 | 6.5 |
| 1,1-Dichloropropene | | 0.598 | 0.561 | -6.6 |
| Benzene | | 1.113 | 0.974 | -14.3 |
| 1,2-Dichloroethane | | 0.276 | 0.281 | 1.8 |
| Trichloroethene | | 0.447 | 0.478 | 6.5 |
| 1,2-Dichloropropane | C | 0.341 | 0.313 | -8.9 |
| Dibromomethane | | 0.115 | 0.104 | -10.6 |
| Methyl methacrylate | | 0.026 | 0.031 | 16.1 |
| Bromodichloromethane | | 0.415 | 0.367 | -13.1 |
| cis-1,3-Dichloropropene | | 0.294 | 0.255 | -15.3 |
| 4-Methyl-2-pentanone | | 0.047 | 0.041 | -14.6 |
| Toluene | C | 0.839 | 0.718 | -16.9 |
| trans-1,3-Dichloropropene | | 0.159 | 0.134 | -18.7 |
| 1,1,2-Trichloroethane | | 0.144 | 0.120 | -20.0 |

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

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Triangle Laboratories, Inc.
Continuing Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| CCAL File: FX872 | Date of Analysis :08/17/98 | Analyte List: 8260 |
| ICAL File: ICALF814 | | |
| VOST Calibration. | | |

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|-----------------------------|------|--------|--------|-------|
| Ethyl methacrylate | | 0.100 | 0.074 | -35.1 |
| Chlorobenzene-d5 | I | | | |
| Tetrachloroethene | | 0.482 | 0.473 | -1.9 |
| 1,3-Dichloropropane | | 0.281 | 0.239 | -17.6 |
| 2-Hexanone | 1 | 0.013 | 0.037 | 64.9 |
| Dibromochloromethane | | 0.250 | 0.235 | -6.4 |
| 1,2-Dibromoethane | | 0.157 | 0.145 | -8.3 |
| Chlorobenzene | P | 1.006 | 0.995 | -1.1 |
| 1,1,1,2-Tetrachloroethane | | 0.390 | 0.363 | -7.4 |
| Ethylbenzene | C | 0.626 | 0.613 | -2.1 |
| m-/p-Xylene | | 0.812 | 0.752 | -8.0 |
| o-Xylene | | 0.666 | 0.627 | -6.2 |
| Styrene | | 0.931 | 0.813 | -14.5 |
| Bromoform | P | 0.104 | 0.082 | -26.8 |
| 1,4-Dichlorobenzene-d4 | I | | | |
| Cumene | | 4.886 | 5.175 | 5.6 |
| 1,1,2,2-Tetrachloroethane | P | 0.269 | 0.221 | -21.7 |
| Bromobenzene | | 0.803 | 0.763 | -5.2 |
| 1,2,3-Trichloropropane | | 0.203 | 0.176 | -15.3 |
| n-Propylbenzene | | 1.359 | 1.535 | 11.5 |
| trans-1,4-Dichloro-2-butene | | 0.098 | 0.119 | 17.6 |
| 2-Chlorotoluene | | 1.044 | 1.081 | 3.4 |
| 4-Chlorotoluene | | 0.901 | 0.986 | 8.6 |
| 1,3,5-Trimethylbenzene | | 3.746 | 3.990 | 6.1 |
| tert-Butylbenzene | | 3.981 | 4.659 | 14.6 |
| 1,2,4-Trimethylbenzene | | 3.390 | 3.533 | 4.0 |
| sec-Butylbenzene | | 5.714 | 6.204 | 7.9 |
| p-Cymene | | 4.523 | 5.203 | 13.1 |
| 1,3-Dichlorobenzene | | 1.639 | 1.629 | -0.6 |
| 1,4-Dichlorobenzene | | 1.545 | 1.514 | -2.0 |
| Benzyl chloride | | 0.082 | 0.063 | -30.2 |
| n-Butylbenzene | | 3.954 | 4.226 | 6.4 |
| 1,2-Dichlorobenzene | | 1.070 | 1.027 | -4.2 |
| 1,2-Dibromo-3-chloropropane | | 0.012 | 0.014 | 14.3 |
| 1,2,4-Trichlorobenzene | | 0.303 | 0.293 | -3.4 |
| Hexachlorobutadiene | | 0.876 | 1.077 | 18.7 |
| Naphthalene | | 0.124 | 0.181 | 31.5 |
| 1,2,3-Trichlorobenzene | | 0.174 | 0.173 | -0.6 |

* - Fails QC Criteria for %D; << - Rf less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: FX872

Date of Analysis :08/17/98

Analyte List: 8260

ICAL File: ICALF814

VOST Calibration.

| Surrogate | Flag | RF0.25 | RFMEAN | %D |
|----------------------|------|--------|--------|-------|
| Dibromofluoromethane | S | 0.391 | 0.421 | 7.1 |
| Toluene-d8 | S | 1.115 | 1.020 | -9.3 |
| 4-Bromofluorobenzene | S | 0.399 | 0.340 | -17.4 |

Approved by: _____ Date 8/24/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

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Triangle Laboratories, Inc.
Continuing Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| CCAL File: FX889 | Date of Analysis :08/18/98 | Analyte List: 8260 |
| ICAL File: ICALF814 | | |

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|-------|
| Pentafluorobenzene | I | | | |
| Dichlorodifluoromethane | | 0.438 | 0.353 | -24.1 |
| Chloromethane | P | 0.228 | 0.343 | 33.5 |
| Vinyl Chloride | C | 0.296 | 0.325 | 8.9 |
| Bromomethane | | 0.207 | 0.176 | -17.6 |
| Chloroethane | | 0.197 | 0.240 | 17.9 |
| Trichlorofluoromethane | | 0.668 | 0.797 | 16.2 |
| 1,1-Dichloroethene | C | 0.312 | 0.319 | 2.2 |
| Iodomethane | | 0.425 | 0.537 | 20.9 |
| Carbon disulfide | | 0.896 | 0.868 | -3.2 |
| Acetone | | 0.015 | 0.046 | 67.4 |
| Allyl chloride | | 0.227 | 0.420 | 46.0 |
| Methylene chloride | | 0.242 | 0.237 | -2.1 |
| Acrylonitrile | | 0.006 | 0.012 | 50.0 |
| trans-1,2-Dichloroethene | | 0.349 | 0.354 | 1.4 |
| 1,1-Dichloroethane | P | 0.623 | 0.763 | 18.3 |
| Vinyl acetate | | 0.050 | 0.108 | 53.7 |
| 2,2-Dichloropropane | | 0.379 | 0.318 | -19.2 |
| cis-1,2-Dichloroethene | | 0.318 | 0.337 | 5.6 |
| 2-Butanone | | 0.014 | 0.050 | 72.0 |
| Chloroform | C | 0.675 | 0.667 | -1.2 |
| Bromochloromethane | | 0.101 | 0.138 | 26.8 |
| 1,1,1-Trichloroethane | | 0.708 | 0.764 | 7.3 |
| 1,4-Difluorobenzene | I | | | |
| Carbon tetrachloride | | 0.699 | 0.739 | 5.4 |
| 1,1-Dichloropropene | | 0.699 | 0.561 | -24.6 |
| Benzene | | 1.286 | 0.974 | -32.0 |
| 1,2-Dichloroethane | | 0.264 | 0.281 | 6.0 |
| Trichloroethene | | 0.463 | 0.478 | 3.1 |
| 1,2-Dichloropropane | C | 0.301 | 0.313 | 3.8 |
| Dibromomethane | | 0.113 | 0.104 | -8.7 |
| Methyl methacrylate | | 0.020 | 0.031 | 35.5 |
| Bromodichloromethane | | 0.431 | 0.367 | -17.4 |
| cis-1,3-Dichloropropene | | 0.314 | 0.255 | -23.1 |
| 4-Methyl-2-pentanone | | 0.031 | 0.041 | 24.4 |
| Toluene | C | 0.853 | 0.718 | -18.8 |
| trans-1,3-Dichloropropene | | 0.168 | 0.134 | -25.4 |
| 1,1,2-Trichloroethane | | 0.139 | 0.120 | -15.8 |

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: FX889 Date of Analysis :08/18/98 Analyte List: 8260

ICAL File: ICALF814

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|-----------------------------|------|--------|--------|-------|
| Ethyl methacrylate | | 0.078 | 0.074 | -5.4 |
| Chlorobenzene-d5 | I | | | |
| Tetrachloroethene | | 0.606 | 0.473 | -28.1 |
| 1,3-Dichloropropane | | 0.312 | 0.239 | -30.5 |
| 2-Hexanone | 1 | 0.010 | 0.037 | 73.0 |
| Dibromochloromethane | | 0.224 | 0.235 | 4.7 |
| 1,2-Dibromoethane | | 0.154 | 0.145 | -6.2 |
| Chlorobenzene | P | 1.058 | 0.995 | -6.3 |
| 1,1,1,2-Tetrachloroethane | | 0.355 | 0.363 | 2.2 |
| Ethylbenzene | C | 0.711 | 0.613 | -16.0 |
| m-/p-Xylene | | 0.914 | 0.752 | -21.5 |
| o-Xylene | | 0.740 | 0.627 | -18.0 |
| Styrene | | 0.968 | 0.813 | -19.1 |
| Bromoform | P | 0.104 | 0.082 | -26.8 |
| 1,4-Dichlorobenzene-d4 | I | | | |
| Cumene | | 6.007 | 5.175 | -16.1 |
| 1,1,2,2-Tetrachloroethane | P | 0.266 | 0.221 | -20.4 |
| Bromobenzene | | 0.846 | 0.763 | -10.9 |
| 1,2,3-Trichloropropane | | 0.219 | 0.176 | -24.4 |
| n-Propylbenzene | | 1.505 | 1.535 | 2.0 |
| trans-1,4-Dichloro-2-butene | | 0.121 | 0.119 | -1.7 |
| 2-Chlorotoluene | | 1.059 | 1.081 | 2.0 |
| 4-Chlorotoluene | | 0.925 | 0.986 | 6.2 |
| 1,3,5-Trimethylbenzene | | 4.471 | 3.990 | -12.1 |
| tert-Butylbenzene | | 4.863 | 4.659 | -4.4 |
| 1,2,4-Trimethylbenzene | | 3.903 | 3.533 | -10.5 |
| sec-Butylbenzene | | 6.900 | 6.204 | -11.2 |
| p-Cymene | | 5.056 | 5.203 | 2.8 |
| 1,3-Dichlorobenzene | | 1.652 | 1.629 | -1.4 |
| 1,4-Dichlorobenzene | | 1.517 | 1.514 | -0.2 |
| Benzyl chloride | | 0.063 | 0.063 | 0.0 |
| n-Butylbenzene | | 5.115 | 4.226 | -21.0 |
| 1,2-Dichlorobenzene | | 1.051 | 1.027 | -2.3 |
| 1,2-Dibromo-3-chloropropane | | 0.019 | 0.014 | -35.7 |
| 1,2,4-Trichlorobenzene | | 0.367 | 0.293 | -25.3 |
| Hexachlorobutadiene | | 1.188 | 1.077 | -10.3 |
| Naphthalene | | 0.158 | 0.181 | 12.7 |
| 1,2,3-Trichlorobenzene | | 0.218 | 0.173 | -26.0 |

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: FX889 Date of Analysis :08/18/98 Analyte List: 8260
ICAL File: ICALF814
VOST Calibration.

| Surrogate | Flag | RF0.25 | REMEAN | %D |
|----------------------|------|--------|--------|-------|
| Dibromofluoromethane | S | 0.332 | 0.421 | 21.1 |
| Toluene-d8 | S | 1.041 | 1.020 | -2.1 |
| 4-Bromofluorobenzene | S | 0.399 | 0.340 | -17.4 |

Approved by: _____ *VR* Date *8/24/98*

* - Fails QC Criteria for %D; << - Rf less than minimum QC RF; >>- RF greater than maximum QC RF

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Triangle Laboratories, Inc.
Continuing Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| CCAL File: HW703 | Date of Analysis :08/19/98 | Analyte List: 8260 |
| ICAL File: ICALH809 | | |
| VOST Calibration. | | |

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|-------|
| Pentafluorobenzene | I | | | |
| Dichlorodifluoromethane | | 0.758 | 0.655 | -15.7 |
| Chloromethane | P | 0.399 | 0.377 | -5.8 |
| Vinyl Chloride | C | 0.515 | 0.468 | -10.0 |
| Bromomethane | | 0.453 | 0.429 | -5.6 |
| Chloroethane | | 0.304 | 0.254 | -19.7 |
| Trichlorofluoromethane | | 1.124 | 1.061 | -5.9 |
| 1,1-Dichloroethene | C | 0.524 | 0.464 | -12.9 |
| Iodomethane | | 1.009 | 0.981 | -2.9 |
| Carbon disulfide | | 1.285 | 1.053 | -22.0 |
| Acetone | | 0.046 | 0.050 | 8.0 |
| Allyl chloride | | 0.354 | 0.379 | 6.6 |
| Methylene chloride | | 0.453 | 0.354 | -28.0 |
| Acrylonitrile | | 0.028 | 0.037 | 24.3 |
| trans-1,2-Dichloroethene | | 0.508 | 0.445 | -14.2 |
| 1,1-Dichloroethane | P | 0.770 | 0.733 | -5.0 |
| Vinyl acetate | | 0.216 | 0.398 | 45.7 |
| 2,2-Dichloropropane | | 0.580 | 0.667 | 13.0 |
| cis-1,2-Dichloroethene | | 0.438 | 0.451 | 2.9 |
| 2-Butanone | | 0.030 | 0.063 | 52.4 |
| Chloroform | C | 0.798 | 0.771 | -3.5 |
| Bromochloromethane | | 0.226 | 0.234 | 3.4 |
| 1,1,1-Trichloroethane | | 0.735 | 0.723 | -1.7 |
| 1,4-Difluorobenzene | I | | | |
| Carbon tetrachloride | | 0.524 | 0.601 | 12.8 |
| 1,1-Dichloropropene | | 0.468 | 0.589 | 20.5 |
| Benzene | | 0.949 | 1.173 | 19.1 |
| 1,2-Dichloroethane | | 0.265 | 0.339 | 21.8 |
| Trichloroethene | | 0.451 | 0.443 | -1.8 |
| 1,2-Dichloropropane | C | 0.385 | 0.425 | 9.4 |
| Dibromomethane | | 0.230 | 0.274 | 16.1 |
| Methyl methacrylate | | 0.059 | 0.107 | 44.9 |
| Bromodichloromethane | | 0.617 | 0.653 | 5.5 |
| cis-1,3-Dichloropropene | | 0.535 | 0.618 | 13.4 |
| 4-Methyl-2-pentanone | | 0.101 | 0.172 | 41.3 |
| Toluene | C | 0.943 | 1.016 | 7.2 |
| trans-1,3-Dichloropropene | | 0.376 | 0.507 | 25.8 |
| 1,1,2-Trichloroethane | | 0.289 | 0.347 | 16.7 |

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

| | | |
|---------------------|----------------------------|--------------------|
| CCAL File: HW703 | Date of Analysis :08/19/98 | Analyte List: 8260 |
| ICAL File: ICALH809 | | |

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|-----------------------------|------|--------|--------|-------|
| Ethyl methacrylate | | 0.195 | 0.375 | 48.0 |
| Chlorobenzene-d5 | I | | | |
| Tetrachloroethene | | 0.397 | 0.383 | -3.7 |
| 1,3-Dichloropropane | | 0.314 | 0.369 | 14.9 |
| 2-Hexanone | I | 0.031 | 0.072 | 56.9 |
| Dibromochloromethane | | 0.353 | 0.387 | 8.8 |
| 1,2-Dibromoethane | | 0.250 | 0.300 | 16.7 |
| Chlorobenzene | P | 0.966 | 0.955 | -1.2 |
| 1,1,1,2-Tetrachloroethane | | 0.409 | 0.415 | 1.4 |
| Ethylbenzene | C | 0.517 | 0.541 | 4.4 |
| m-/p-Xylene | | 0.650 | 0.676 | 3.8 |
| o-Xylene | | 0.628 | 0.640 | 1.9 |
| Styrene | | 0.999 | 1.010 | 1.1 |
| Bromoform | P | 0.165 | 0.208 | 20.7 |
| 1,4-Dichlorobenzene-d4 | I | | | |
| Cumene | | 3.129 | 3.036 | -3.1 |
| 1,1,2,2-Tetrachloroethane | P | 0.326 | 0.399 | 18.3 |
| Bromobenzene | | 0.794 | 0.828 | 4.1 |
| 1,2,3-Trichloropropane | | 0.222 | 0.249 | 10.8 |
| n-Propylbenzene | | 0.962 | 0.941 | -2.2 |
| trans-1,4-Dichloro-2-butene | | 0.222 | 0.271 | 18.1 |
| 2-Chlorotoluene | | 0.840 | 0.796 | -5.5 |
| 4-Chlorotoluene | | 0.817 | 0.763 | -7.1 |
| 1,3,5-Trimethylbenzene | | 2.649 | 2.365 | -12.0 |
| tert-Butylbenzene | | 2.895 | 2.730 | -6.0 |
| 1,2,4-Trimethylbenzene | | 2.531 | 2.336 | -8.3 |
| sec-Butylbenzene | | 3.731 | 3.600 | -3.6 |
| p-Cymene | | 3.096 | 2.849 | -8.7 |
| 1,3-Dichlorobenzene | | 1.518 | 1.451 | -4.6 |
| 1,4-Dichlorobenzene | | 1.506 | 1.433 | -5.1 |
| Benzyl chloride | | 0.371 | 0.476 | 22.1 |
| n-Butylbenzene | | 3.152 | 2.886 | -9.2 |
| 1,2-Dichlorobenzene | | 1.146 | 1.139 | -0.6 |
| 1,2-Dibromo-3-chloropropane | | 0.029 | 0.050 | 42.0 |
| 1,2,4-Trichlorobenzene | | 0.813 | 0.791 | -2.8 |
| Hexachlorobutadiene | | 1.211 | 0.969 | -25.0 |
| Naphthalene | | 0.484 | 0.863 | 43.9 |
| 1,2,3-Trichlorobenzene | | 0.474 | 0.545 | 13.0 |

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: HW703 Date of Analysis :08/19/98 Analyte List: 8260

ICAL File: ICALH809

VOST Calibration.

| Surrogate | Flag | RF0.25 | RFMEAN | %D |
|----------------------|------|--------|--------|------|
| Dibromofluoromethane | S | 0.544 | 0.533 | -2.1 |
| Toluene-d8 | S | 1.343 | 1.401 | 4.1 |
| 4-Bromofluorobenzene | S | 0.697 | 0.751 | 7.2 |

Approved by: YR Date 8/24/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

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Triangle Laboratories, Inc.
Initial Calibration Curve

ICAL File: ICALF818
RF.5 FX891

Date of Analysis :08/18/98

Analyte List: 8260

VOST Calibration.

| Analyte | Flag | RF.5 | MEAN | %RSD |
|------------------------|------|-------|-------|------|
| Pentafluorobenzene | I | | | |
| 1,3-Butadiene | | 0.353 | 0.353 | 0.0 |
| Vinyl bromide | | 0.610 | 0.610 | 0.0 |
| MTBE | | 0.543 | 0.543 | 0.0 |
| n-Hexane | | 1.159 | 1.159 | 0.0 |
| 1,2-Epoxybutane | | 0.013 | 0.013 | 0.0 |
| Iso-Octane | | 4.217 | 4.217 | 0.0 |
| 1,4-Difluorobenzene | I | | | |
| Ethyl acrylate | | 0.052 | 0.052 | 0.0 |
| Chlorobenzene-d5 | I | | | |
| 1,4-Dichlorobenzene-d4 | I | | | |
| Average %RSD | | | | 0.0 |

Approved by: YR Date 8/24/98

* - Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

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Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: FX876 Date of Analysis :08/17/98 Analyte List: 8260

ICAL File: ICALF817

VOST Calibration.

| Analyte | Flag | RF0.50 | RFMEAN | %D |
|------------------------|------|--------|--------|-----|
| Pentafluorobenzene | I | | | |
| 1,3-Butadiene | | 0.385 | 0.385 | 0.0 |
| Vinyl bromide | | 0.565 | 0.565 | 0.0 |
| MTBE | | 0.599 | 0.599 | 0.0 |
| n-Hexane | | 1.358 | 1.358 | 0.0 |
| 1,2-Epoxybutane | | 0.018 | 0.018 | 0.0 |
| Iso-Octane | | 4.663 | 4.663 | 0.0 |
| 1,4-Difluorobenzene | I | | | |
| Ethyl acrylate | | 0.072 | 0.072 | 0.0 |
| Chlorobenzene-d5 | I | | | |
| 1,4-Dichlorobenzene-d4 | I | | | |

Approved by: YR Date 8/24/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

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Continuing Calibration Curve

CCAL File: FX891 Date of Analysis :08/18/98 Analyte List: 8260
ICAL File: ICALF818

VOST Calibration.

| Analyte | Flag | RF0.50 | RFMEAN | %D |
|------------------------|------|--------|--------|-----|
| Pentafluorobenzene | I | | | |
| 1,3-Butadiene | | 0.353 | 0.353 | 0.0 |
| Vinyl bromide | | 0.610 | 0.610 | 0.0 |
| MTBE | | 0.543 | 0.543 | 0.0 |
| n-Hexane | | 1.159 | 1.159 | 0.0 |
| 1,2-Epoxybutane | | 0.013 | 0.013 | 0.0 |
| Iso-Octane | | 4.217 | 4.217 | 0.0 |
| 1,4-Difluorobenzene | I | | | |
| Ethyl acrylate | | 0.052 | 0.052 | 0.0 |
| Chlorobenzene-d5 | I | | | |
| 1,4-Dichlorobenzene-d4 | I | | | |

Approved by: YR Date 8/24/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: HW708 Date of Analysis :08/19/98 Analyte List: 8260
ICAL File: ICALH819
VOST Calibration.

| Analyte | Flag | RF0.50 | RFMEAN | %D |
|------------------------|------|--------|--------|-----|
| Pentafluorobenzene | I | | | |
| 1,3-Butadiene | | 1.582 | 1.582 | 0.0 |
| Vinyl bromide | | 1.657 | 1.657 | 0.0 |
| MTBE | | 0.314 | 0.314 | 0.0 |
| n-Hexane | | 2.319 | 2.319 | 0.0 |
| 1,2-Epoxybutane | | 0.012 | 0.012 | 0.0 |
| Iso-Octane | | 4.441 | 4.441 | 0.0 |
| 1,4-Difluorobenzene | I | | | |
| Ethyl acrylate | | 0.364 | 0.364 | 0.0 |
| Chlorobenzene-d5 | I | | | |
| 1,4-Dichlorobenzene-d4 | I | | | |

Approved by: ML Date 8/24/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

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TRIANGLE LABS

CASE NARRATIVE

**Analysis of Samples for the Presence of
Volatile Analytes by
High-Resolution Gas Chromatography / Low-Resolution Mass Spectrometry**

METHOD 8260 (7/92)

Date : August 26, 1998
Client ID : Pacific Environmental Services
TLI Project Number : 46323

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Research Triangle Park, NC 27709-3485
Fax # 919-544-5491

Objective: Analysis of twelve VOST tube pairs for a client-specified list of volatile compounds, using Method 8260.

Method:

Twenty three VOST tube pairs were received at Triangle Laboratories, Inc. on July 29, 1998 at 6°C. Analytical results reported in this data package pertain to the analysis of the "Tunnel" (T) samples. The VOST tube pairs were analyzed according to the guidelines of Methods 8260 and 5040. The internal standards and surrogate standards were added in the amount of 0.25 micrograms (ug) immediately prior to analysis by GC/MS. The internal standards are pentafluorobenzene, 1,4-difluorobenzene, chlorobenzene-d₅, and 1,4-dichlorobenzene-d₄, and the surrogate standards reported are dibromofluoromethane, toluene-d₈, and 4-bromofluorobenzene. The results reported relate only to the items tested.

The GC/MS analysis conditions are listed below:

| | |
|---------------------|-----------------|
| Purge and trap: | Tekmar LSC-2000 |
| Purge: | 11 min. |
| Desorb Temperature: | 250 C |
| Desorb Time: | 4 min. |

GC Conditions:

| | |
|---------|---|
| Column: | 30 m x .53 mm x 0.3 μ J&W DB624 |
| | 0 C hold .5 min, 10 C/min to 45C, 6 C/min to 90C, hold 1.5 min, 50 C/min to 200C. |

MS Conditions:

| | |
|-------------|--------------------------------|
| Instrument: | VG-TRIO-1 Lab Base data system |
| Scan: | 35-350 amu at .6s/scan |
| Interface: | Jet Separator, 200 C |

Report:

Enclosed with the case narrative are copies of the sample identification index, the project summary sheets, client paperwork, sample log-in sheets, and log book pages. A sample identification index summarizes the client sample name, TLI sample number, and analytical file name for each sample and blank. The project summary lists the amounts for detected analytes in gray. The estimated detection limits will be listed in parentheses when the target analytes are not detected.

The data are reported as quantitation reports, chromatograms, interim reports, and spectra of detected target analytes. The quantitation report header lists the TLI project number, analysis method, instrument sample file name, client sample name, client project number, TLI sample number, calibration file, date received, and analysis date. The response factors used for all calculations are from the calibration file listed in the header. All initial and continuing calibration

data are located in the back of the data package. The amount is reported in total ug for the VOST tubes. The retention time (RT) will be listed for all internal standards and analytes which are detected. If a target analyte is not detected, it will be flagged with a "U" and a detection limit will be listed. Estimated detection limits are calculated for all analytes which were not found in the samples by using an area of 2000. The estimated detection limits reported are the average detection limits achievable over time on an instrument type. The actual detection limit for a given compound on a given day may vary from the estimate reported. The quantitation limit for all analytes is half of the low point of the initial calibration. Below this point the calibration cannot be considered to be linear. Any amount reported at a level below the quantitation limit will be flagged with a "J" and should be considered estimated. If any compounds are found at a level above the upper calibration range, the analyte will be flagged with an "E" and the amounts reported should be considered estimated. If any target analytes found in the laboratory blanks are detected in the associated samples, they will be flagged with a "B" on each sample topsheet. All analytes are quantitated against the internal standard preceding them on the target analyte list. Surrogate standards are quantitated against the internal standard with the matching internal standard reference number. For example, toluene-d₈ has 2 in the IS Ref column and would be quantitated against the internal standard which has IS2 listed in the flag column. If an internal standard area is above or below the quality control limits as defined by the continuing calibration, it will be flagged with "High" or "Low" in the flag column.

Results:

Two of the VOST tube pairs were analyzed within the fourteen-day sampling to analysis holding time. The remainder of the samples were analyzed thirteen to sixteen days past the last day of the holding time.

As per client request, VOST tube pairs T-V-4-1-A and -B and T-V-4-2-A and -B were analyzed separately. All other VOST tube pairs were analyzed in tandem, with the exception of sample T-V-4-4-A, which was run separately because the tenax/charcoal portion was lost.

The following observations were made by the analyst. No data is available for sample T-V-4-3-A,B due to an acquisition failure. The tenax/charcoal tube, sample T-V-4-4-B, was found to be broken. The contents had leaked into the outer container and could not be salvaged.

Each sample was processed twice, once against the calibrations containing compounds that are normally found in our Method 8260 standard solutions, and once against special single point calibrations containing seven compounds. Therefore, each sample reported contains two sets of topsheets and interim reports, as well as a chromatogram and spectra for all analytes. Please note that the surrogate standards have been reported only on the first target analyte list. Results for the seven analytes processed against single point calibrations should be considered estimates.

See Page # 13
Methylene chloride was found at an amount above the upper calibration limit of one microgram in sample T-V-4-2-B. This compound is flagged with "E" and the amount reported should be considered estimated. The field samples also contained very high levels of hydrocarbons.

All internal standard areas were within quality control limits for all samples and blanks, with the exception of a low area for 1,4-dichlorobenzene-d₄ in one laboratory blank.

Surrogate standard percent recoveries were within quality control limits, with the exception of one high recovery for 4-bromofluorobenzene in sample T-V-4-1-A.

The laboratory blanks contained several analytes at amounts below the quantitation limit. The target analytes in a laboratory blank should not be considered as truly present in the native samples unless found at a level at least five times the amount found in the associated blank. In the event that the amount of a target analyte found in the samples is twenty times the amount found in the associated blank, the contribution from the blank can be considered negligible.

Sample Calculations:

$$\text{Response Factor (RF)} = \frac{(\text{area analyte}) \times (\text{amt IS})}{(\text{area IS}) \times (\text{amt analyte})}$$

$$\text{Amount (ug)} = \frac{(\text{area analyte in sample}) \times (\text{amt IS})}{(\text{area IS}) \times (\text{avg ical RF})}$$

Where:

amt IS = amount of internal standard = 0.25 ug
ical = initial calibration

The data in this package has been judged to be valid according to the guidelines of Methods 8260 and 5040 except as noted above. Should you have any questions, please feel free to contact our Project Scientist, Deb Smith, at (919) 544-5729, ext. 267.

For Triangle Laboratories, Inc.,

Report Preparation:

Penny A. Brock

Penny A. Brock
Report Preparation Chemist

Quality Control:

Sarah A. Hubbard

Sarah A. Hubbard
Report Preparation Chemist

The total number of pages in this data package is 357.

TRIANGLE LABORATORIES, INC.

LIST OF CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

American Association for Laboratory Accreditation. Accreditation pending. Certificate Number 0226-01. Accreditation for technical competence in Environmental Testing. (Including Waste Water, Sol/Haz Waste, Pulp/Paper, and Air Matrices) Parameters are AOX/TOX, and Dioxin/Furan. Method 1613 for Drinking Water **Currently re-applying.**

State of Alabama, Department of Environmental Management. Expires December 31, 1998. Laboratory I.D. # 40950. Dioxin in drinking water.

State of Alaska, Department of Environmental Conservation. Expires December 21, 1998. Certificate number OS-006-98. Dioxin in drinking water.

State of Arizona, Department of Health Services. Expires May 26, 1998. Certificate #AZ0423. Drinking Water for Dioxin, Dioxin in WW and S/H Waste. **Currently applying for renewal.**

State of Arkansas, Department of Pollution Control and Ecology. Expires February 19, 1999. Pulp/paper, soil, water, and Hazardous Waste for Dioxin/Furan; AOX/TOX, Volatiles, Semi-volatiles, and Metals.

State of California, Department of Health Services. Expires August 31, 1999. Certificate #1922. Selected Metals in Waste Water; Volatiles, Semi-volatiles, and Dioxin/furan in WW and Sol/Haz Waste. Dioxin in drinking water.

State of Connecticut, Department of Health Services. Expires September 30, 1999. Registration # PH-0117. Dioxin in drinking water.

Delaware Health and Social Services. Expires December 31, 1998. Certificate #NC 140. Dioxin in drinking water.

Florida Department of Health and Rehabilitative Services. Expires June 30, 1998. Dioxin in SDW. Drinking Water ID HRS# 87424. Pending new certificate.

Hawaii Department of Health. Expires March 1, 1999. Dioxin in drinking water. "Accepted" status for regulatory purposes.

Idaho Department of Health and Welfare. Expires December 31, 1998. Dioxin in drinking water.

State of Kansas, Department of Health and Environment. Expires January 31, 1999. Method 1613 for drinking water. ID #'s - Drinking water and/or pollution control - E-10215. Solid or Hazardous Waste - E-101209.

Commonwealth of Kentucky, Department for Environmental Protection. Expires December 31, 1998. ID#90060. Dioxin in drinking water.

Maryland Department of Health and Mental Hygiene. Expires September 30, 1998. Certification #235 Drinking water by Method 1613A. Currently applying for renewal.

State of Michigan, Department of Public Health. Expires June 30, 1999. Drinking water by Method 1613. Current certification is extended, based on New York certificate renewal.

Mississippi State Department of Health. No expiration date. Dioxin in drinking water.

Montana Department of Health and Environmental Services. Expires December 31, 1998. Dioxin in drinking water.

State of New Jersey, Department of Environmental Protection and Energy. Expires June 30, 1998. Extended until July 31, 1998 per letter dated May 29, 1998. ID #67851. BNAs and Volatiles. Dioxin in drinking water. Currently applying for renewal.

State of New Mexico, Environment Department. Still certified, awaiting information from A2LA Dioxin in drinking water.

New York State Department of Health. Received updated certificates. ID #11026. Environmental Analyses of potable water, non-potable Water, Solid and Hazardous Waste. Method 1613 in DW.

State of North Carolina, Department of Environment Health and Natural Resources Expires. August 31, 1998. Certificate # 37751. Dioxin in drinking water.

State of North Carolina, Department of Environment, Health, and Natural Resources, Division of Environmental Management. Expires December 31, 2000. Certificate # 485. Metals, pesticides & PCBs, semi-volatiles and volatiles; TCLP.

North Dakota State Department of Health and Consolidated Laboratories. Expires December 31, 1998. Certificate # R-076. Effective October 4, 1993. Dioxin in drinking water.

Oklahoma Department of Environmental Quality. Expires August 31, 1998. Laboratory #9612. Dioxin by 1613A, 8290 and 8280. Submitted renewal application 7/1.

State of South Carolina, Department of Health and Environmental Control. Expires June 30, 1998. Extended August 31, 1999. Certificate number #99040001 (drinking water). Expires August 31, 1999. Certificate number #99040002 (other parameters). Dioxin/Furans, BNA, Volatiles, and PCBs/pesticides under Clean Water Act, 2,3,7,8-TCDD for Drinking Water, and Organic extractables for Solid and Hazardous Waste.

State of Tennessee. Department of Environment and Conservation. Expires February 5, 1999. ID #02992. Method 1613 Drinking water only.

U.S. Department of Agriculture Soil Permit. Expires September 30, 2001. Permit No. S-3790. Under the authority of the Federal Plant Pest Act, permission is granted to receive foreign soil samples for use in laboratory analysis.

U.S. Army Corps of Engineers. Expires October 19, 1999. Validated to perform analyses for the Fort Belvoir, VA (Contract Number DACA31-97-D-0029), Vint Hill Farms Station, Vint Hill, VA (Contract Number DACA31-95-D-0083), and Selma Pressure Treating Superfund Site, Selma, CA (Contract number DACW45-94-D-0054).

U.S. EPA Region V. Expires November 14, 1999. Dioxin in drinking water.

U.S. EPA Region VIII, for the State of Wyoming. Expires November 12, 1998. Dioxin in drinking water.

State of Utah, Department of Health. Expires May 30, 2000. Certificate Number E-166. Certification for the following parameters: Semi-Volatiles and Volatiles under RCRA; Volatiles under Clean Water Act; Dioxin/furans by Method 8280; Drinking water for Dioxin by Method 1613; Metals including Mercury and Microwave Digestion.

Commonwealth of Virginia, Department of General Services, Division of Consolidated Laboratory Services. Expires June 30, 1999. ID # 00341. Dioxin in drinking water.

State of Washington, Department of Ecology. Expires September 11, 1998. Lab Accreditation Number C067. Scope of Accreditation applies to water analyses for

Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans, BNA Extr (Semivolatile) Organics and Purgeable (Volatile) Organics.

State of Washington, Department of Health. Expires April 30, 1999. Dioxin in drinking water. Lab I.D. 129.

State of West Virginia, Department of Health. Expires December 31, 1998. Certificate No. 9923(C). Dioxin in drinking water.

State of Wisconsin, Department of Natural Resources. Expires August 31, 1998. Laboratory ID Number 999869530. Certification for the following categories of Organics: Purgeable, Base/Neutral, Acid, PCBs, and Dioxin. Expires November 14, 1999. Laboratory ID 999869530. Dioxin in drinking water.

PHARMACEUTICAL

Drug Enforcement Agency (DEA). Expires November 30, 1998. Registration number RT01195835. Controlled substance registration for schedules 1,2,3,3N,4,5.

N.C. Department of Human Resources. Expires October 31, 1998. Registration number NC-PT 0000 0031. North Carolina controlled substances registration. Application submitted for renewal.

Food & Drug Administration (FDA) Registration. Expires June 1998. ID #'s 001500 1053481. Annual registration of drug establishment.

OTHER

Clinical Laboratory Improvement Amendments (CLIA) Registration. Expires May 30, 1999. ID # 34D0705123. Department of Health & Human Services, Health Care Financing Administration.

U.S. EPA Large Quantity Hazardous Waste Generator. No expiration date. EPA ID #NCD982156879. Permit indicates that the laboratory is a large generator of hazardous waste.

North Carolina General License for Radiation Protection. No expiration date. No License. 032-875-OG. The general license applies only to radioactive material contained in devices which have been manufactured and labeled in accordance with specific requirements.

TRIANGLE LABS

DOCUMENT
CONTROL

Triangle Laboratories, Inc.
801 Capitola Drive
Durham, NC 27713-4411
919-544-5729

P.O. Box 13485
Research Triangle Park, NC 27709-3485
Fax # 919-544-5491

Triangle Laboratories, Inc.
Sample Identification Index for Project: 46323

| Client Id: | TLI Id: | File Name: |
|---------------------|----------------|------------|
| T-V-2-1-A,B T/TC | 214-27-5A,B | FX975 |
| T-V-2-2-A,B T/TC | 214-27-6A,B | FX976 |
| T-V-2-3-A,B T/TC | 214-27-7A,B | FX977 |
| T-V-2-4-A,B T/TC | 214-27-8A,B | FX978 |
| T-V-3-1-A,B T/TC | 214-27-16A,B | FX979 |
| T-V-3-2-A,B T/TC | 214-27-17A,B | FX980 |
| T-V-3-3-A,B T/TC | 214-27-18A,B | FX981 |
| T-V-4-1-A T | 214-27-20A | HW562 |
| T-V-4-1-B TC | 214-27-20B | HW560 |
| T-V-4-2-A T | 214-27-21A | HW563 |
| T-V-4-2-B TC | 214-27-21B | HW561 |
| T-V-4-4-A T | 214-27-23A | FX983 |
| T-V-FB-A,B T/TC | 214-27-9A,B | FX953 |
| VOSTBLK 080998 T/TC | VOSTBLK 080998 | HW559 |
| VOSTBLK 082198 T/TC | VOSTBLK 082198 | FX952 |
| VOSTBLK 082498 T/TC | VOSTBLK 082498 | FX974 |

Triangle Laboratories, Inc.
Project Summary for Project 46323

| Client ID: | T-V-2-1-A, B T/TC | T-V-2-2-A, B T/TC | T-V-2-3-A, B T/TC | T-V-2-4-A, B T/TC | T-V-3-1-A, B T/TC |
|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Filename : | FX975 | FX976 | FX977 | FX978 | FX979 |
| TLI Id : | 214-27-5A,B | 214-27-6A,B | 214-27-7A,B | 214-27-8A,B | 214-27-16A,B |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| Chloromethane | 0.056 | 0.092 | 0.042 | 0.040 | 0.030 |
| Vinyl Chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromomethane | 0.036 | 0.035 | 0.035 | (0.001) | 0.005 |
| Chloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichlorofluoromethane | 0.014 | 0.011 | (0.001) | 0.009 | 0.011 |
| 1,1-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Methylene chloride | 0.488 | (0.001) | 0.081 | 0.064 | 0.508 |
| trans-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chloroform | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,1-Trichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Iodomethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Carbon disulfide | 0.104 | 0.093 | 0.026 | 0.044 | 0.015 |
| Acetone | 0.193 | 0.232 | 0.137 | 0.296 | 0.183 |
| Allyl chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Acrylonitrile | (0.026) | (0.024) | (0.021) | (0.021) | (0.020) |
| Vinyl acetate | (0.002) | (0.002) | (0.001) | (0.001) | (0.001) |
| 2-Butanone | (0.005) | 0.312 | 0.161 | 0.342 | 0.166 |
| Carbon tetrachloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Benzene | 0.263 | 0.238 | 0.156 | 0.108 | 0.096 |
| 1,2-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dichloropropane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromodichloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Toluene | 0.132 | 0.247 | 0.218 | 0.144 | 0.212 |
| trans-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,2-Trichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Methyl methacrylate | (0.008) | (0.007) | (0.006) | (0.006) | (0.006) |
| 4-Methyl-2-pentanone | (0.006) | (0.005) | (0.005) | (0.005) | (0.004) |
| Tetrachloroethene | 0.017 | 0.035 | 0.035 | 0.031 | 0.023 |
| Dibromochloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dibromoethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chlorobenzene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |

()-Estimated Detection Limit Page 1

Triangle Laboratories, Inc.
Project Summary for Project 46323

| | | | | | |
|------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Client ID: | T-V-2-1-A, B T/TC | T-V-2-2-A, B T/TC | T-V-2-3-A, B T/TC | T-V-2-4-A, B T/TC | T-V-3-1-A, B T/TC |
| Filename : | FX975 | FX976 | FX977 | FX978 | FX979 |
| TLI Id : | 214-27-5A,B | 214-27-6A,B | 214-27-7A,B | 214-27-8A,B | 214-27-16A,B |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |

| | | | | | |
|---------------------------|---------|---------|---------|---------|---------|
| Ethylbenzene | 0.015 | 0.069 | 0.050 | 0.027 | 0.075 |
| m-/p-Xylene | 0.078 | 0.428 | 0.255 | 0.149 | 0.335 |
| o-Xylene | 0.012 | 0.119 | 0.088 | 0.042 | 0.131 |
| Styrene | (0.001) | 0.052 | 0.038 | 0.017 | 0.029 |
| Bromoform | (0.002) | (0.002) | (0.002) | (0.002) | (0.002) |
| 2-Hexanone | (0.011) | (0.010) | (0.008) | (0.008) | (0.008) |
| Cumene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,2,2-Tetrachloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

| Client ID: | T-V-2-1-A, B T/TC | T-V-2-2-A, B T/TC | T-V-2-3-A, B T/TC | T-V-2-4-A, B T/TC | T-V-3-1-A, B T/TC |
|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Filename : | FX975 | FX976 | FX977 | FX978 | FX979 |
| TLI Id : | 214-27-5A,B | 214-27-6A,B | 214-27-7A,B | 214-27-8A,B | 214-27-16A,B |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| 1,3-Butadiene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Vinyl bromide | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| MTBE | 0.033 | 0.022 | 0.039 | 0.036 | 0.028 |
| n-Hexane | 0.266 | 0.176 | 0.145 | 0.083 | 0.107 |
| 1,2-Epoxybutane | (0.032) | (0.029) | (0.025) | (0.025) | (0.024) |
| Iso-Octane | 0.029 | 0.016 | 0.019 | 0.021 | 0.012 |
| Ethyl acrylate | (0.008) | (0.008) | (0.007) | (0.007) | (0.007) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

| Client ID: | T-V-3-2-A, B T/TC | T-V-3-3-A, B T/TC | T-V-4-1-A T | T-V-4-1-B TC | T-V-4-2-A T |
|---------------------------|----------------------|----------------------|----------------|-----------------|----------------|
| Filename : | FX980 | FX981 | HW562 | HW560 | HW563 |
| TLI Id : | 214-27-17A,B | 214-27-18A,B | 214-27-20A | 214-27-20B | 214-27-21A |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| Chloromethane | (0.001) | 0.043 | 0.010 | 0.020 | 0.005 |
| Vinyl Chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromomethane | (0.001) | (0.001) | 0.010 | 0.003 | 0.006 |
| Chloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichlorofluoromethane | 0.011 | 0.006 | 0.009 | 0.015 | (0.001) |
| 1,1-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Methylene chloride | 0.828 | 0.049 | 0.038 | 0.327 | 0.674 |
| trans-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chloroform | (0.001) | (0.001) | 0.006 | (0.001) | (0.001) |
| 1,1,1-Trichloroethane | (0.001) | (0.001) | 0.012 | (0.001) | (0.001) |
| Iodomethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Carbon disulfide | 0.017 | 0.020 | (0.001) | (0.001) | (0.001) |
| Acetone | (0.004) | (0.004) | 0.151 | 0.087 | 0.036 |
| Allyl chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Acrylonitrile | (0.020) | (0.019) | (0.007) | (0.006) | (0.006) |
| Vinyl acetate | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 2-Butanone | (0.004) | (0.004) | 0.051 | (0.004) | (0.003) |
| Carbon tetrachloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Benzene | 0.131 | 0.129 | 0.091 | 0.010 | 0.034 |
| 1,2-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichloroethene | (0.001) | (0.001) | 0.001 | (0.001) | (0.001) |
| 1,2-Dichloropropane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromodichloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Toluene | 0.200 | 0.217 | 0.133 | 0.016 | 0.010 |
| trans-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,2-Trichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Methyl methacrylate | (0.006) | (0.006) | (0.003) | (0.002) | (0.002) |
| 4-Methyl-2-pentanone | (0.005) | (0.004) | (0.002) | (0.001) | (0.001) |
| Tetrachloroethene | 0.015 | 0.028 | 0.016 | (0.001) | (0.001) |
| Dibromochloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dibromoethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chlorobenzene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

| | | | | | |
|------------|----------------------|----------------------|----------------|-----------------|----------------|
| Client ID: | T-V-3-2-A, B T/TC | T-V-3-3-A, B T/TC | T-V-4-1-A T | T-V-4-1-B TC | T-V-4-2-A T |
| Filename : | FX980 | FX981 | HW562 | HW560 | HW563 |
| TLI Id : | 214-27-17A,B | 214-27-18A,B | 214-27-20A | 214-27-20B | 214-27-21A |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |

| | T-V-3-2-A | T-V-3-3-A | T-V-4-1-A | T-V-4-1-B | T-V-4-2-A |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Ethylbenzene | 0.065 | 0.071 | 0.018 | 0.001 | (0.001) |
| m-/p-Xylene | 0.314 | 0.379 | 0.056 | 0.002 | (0.001) |
| o-Xylene | 0.118 | 0.124 | 0.024 | 0.001 | (0.001) |
| Styrene | 0.036 | 0.037 | 0.025 | 0.002 | 0.003 |
| Bromoform | (0.002) | (0.002) | (0.001) | (0.001) | (0.001) |
| 2-Hexanone | (0.008) | (0.008) | (0.002) | (0.002) | (0.002) |
| Cumene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,2,2-Tetrachloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

| Client ID: | T-V-3-2-A, B T/TC | T-V-3-3-A, B T/TC | T-V-4-1-A T | T-V-4-1-B TC | T-V-4-2-A T |
|-----------------|----------------------|----------------------|----------------|-----------------|----------------|
| Filename : | FX980 | FX981 | HW562 | HW560 | HW563 |
| TLI Id : | 214-27-17A,B | 214-27-18A,B | 214-27-20A | 214-27-20B | 214-27-21A |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| 1,3-Butadiene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Vinyl bromide | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| MTBE | 0.022 | 0.015 | 0.114 | 0.014 | (0.002) |
| n-Hexane | 0.135 | 0.142 | 0.034 | 0.005 | 0.006 |
| 1,2-Epoxybutane | (0.024) | (0.023) | (0.055) | (0.046) | (0.041) |
| Iso-Octane | (0.001) | (0.001) | 0.012 | 0.010 | (0.001) |
| Ethyl acrylate | (0.007) | (0.006) | (0.001) | (0.001) | (0.001) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

| Client ID: | T-V-4-2-B TC | T-V-4-4-A T | T-V-FB-A,B T/TC | VOSTBLK 08 0998 T/TC | VOSTBLK 08 2198 T/TC |
|---------------------------|-----------------|----------------|--------------------|-------------------------|-------------------------|
| Filename : | HW561 | FX983 | FX953 | HW559 | FX952 |
| TLI Id : | 214-27-21B | 214-27-23A | 214-27-9A,B | VOSTBLK 0809 | VOSTBLK 0821 |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| Chloromethane | 0.015 | (0.001) | (0.001) | 0.015 | (0.001) |
| Vinyl Chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromomethane | 0.004 | (0.001) | (0.001) | 0.010 | (0.001) |
| Chloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichlorofluoromethane | 0.003 | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Methylene chloride | 1.666 | 0.009 | 0.054 | 0.001 | (0.001) |
| trans-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,2-Dichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chloroform | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,1-Trichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Iodomethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Carbon disulfide | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Acetone | 0.033 | (0.004) | (0.005) | (0.004) | (0.005) |
| Allyl chloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Acrylonitrile | (0.006) | (0.021) | (0.025) | (0.006) | (0.024) |
| Vinyl acetate | (0.001) | (0.001) | (0.002) | (0.001) | (0.002) |
| 2-Butanone | (0.004) | (0.004) | (0.005) | (0.003) | (0.004) |
| Carbon tetrachloride | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Benzene | 0.015 | 0.071 | 0.006 | 0.048 | 0.039 |
| 1,2-Dichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Trichloroethene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dichloropropane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Bromodichloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| cis-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Toluene | 0.007 | 0.158 | 0.006 | 0.003 | (0.001) |
| trans-1,3-Dichloropropene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,2-Trichloroethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Methyl methacrylate | (0.002) | (0.006) | (0.006) | (0.002) | (0.006) |
| 4-Methyl-2-pentanone | (0.001) | (0.005) | (0.004) | (0.001) | (0.004) |
| Tetrachloroethene | (0.001) | 0.022 | (0.001) | (0.001) | (0.001) |
| Dibromochloromethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,2-Dibromoethane | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Chlorobenzene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

| Client ID: | T-V-4-2-B TC | T-V-4-4-A T | T-V-FB-A,B T/TC | VOSTBLK 08 0998 T/TC | VOSTBLK 08 2198 T/TC |
|---------------------------|-----------------|----------------|--------------------|-------------------------|-------------------------|
| Filename : | HW561 | FX983 | FX953 | HW559 | FX952 |
| TLI Id : | 214-27-21B | 214-27-23A | 214-27-9A,B | VOSTBLK 0809 | VOSTBLK 0821 |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| Ethylbenzene | (0.001) | 0.022 | (0.001) | (0.001) | (0.001) |
| m-/p-Xylene | (0.001) | 0.057 | (0.001) | (0.001) | (0.001) |
| o-Xylene | (0.001) | 0.024 | (0.001) | (0.001) | (0.001) |
| Styrene | 0.001 | 0.009 | (0.001) | 0.001 | (0.001) |
| Bromoform | (0.001) | (0.002) | (0.002) | (0.001) | (0.002) |
| 2-Hexanone | (0.002) | (0.008) | (0.008) | (0.002) | (0.009) |
| Cumene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| 1,1,2,2-Tetrachloroethane | (0.001) | (0.002) | (0.001) | (0.001) | (0.003) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

| Client ID: | T-V-4-2-B TC | T-V-4- 2 -A T <i>cmc</i> | T-V-FB-A,B T/TC | VOSTBLK 08 0998 T/TC | VOSTBLK 08 2198 T/TC |
|-----------------|-----------------|--|--------------------|-------------------------|-------------------------|
| Filename : | HW561 | FX983 | FX953 | HW559 | FX952 |
| TLI Id : | 214-27-21B | 214-27-23A | 214-27-9A,B | VOSTBLK 0809 | VOSTBLK 0821 |
| Matrix : | VOST | VOST | VOST | VOST | VOST |
| Units : | ug | ug | ug | ug | ug |
| 1,3-Butadiene | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| Vinyl bromide | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
| MTBE | (0.002) | 0.037 | (0.001) | (0.002) | (0.001) |
| n-Hexane | 0.003 | 0.041 | (0.001) | (0.001) | (0.001) |
| 1,2-Epoxybutane | (0.045) | (0.025) | (0.025) | (0.041) | (0.024) |
| Iso-Octane | (0.001) | 0.010 | (0.001) | (0.001) | (0.001) |
| Ethyl acrylate | (0.001) | (0.007) | (0.004) | (0.001) | (0.004) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

Client ID: VOSTBLK 08
2498 T/TC

Filename : FX974
TLI Id : VOSTBLK 0824
Matrix : VOST
Units : ug

| | |
|---------------------------|---------|
| Chloromethane | (0.001) |
| Vinyl Chloride | (0.001) |
| Bromomethane | (0.001) |
| Chloroethane | (0.001) |
| Trichlorofluoromethane | (0.001) |
| 1,1-Dichloroethene | (0.001) |
| Methylene chloride | (0.001) |
| trans-1,2-Dichloroethene | (0.001) |
| 1,1-Dichloroethane | (0.001) |
| cis-1,2-Dichloroethene | (0.001) |
| Chloroform | (0.001) |
| 1,1,1-Trichloroethane | (0.001) |
| Iodomethane | (0.001) |
| Carbon disulfide | (0.001) |
| Acetone | (0.006) |
| Allyl chloride | (0.001) |
| Acrylonitrile | (0.029) |
| Vinyl acetate | (0.002) |
| 2-Butanone | (0.005) |
| Carbon tetrachloride | (0.001) |
| Benzene | (0.001) |
| 1,2-Dichloroethane | (0.001) |
| Trichloroethene | (0.001) |
| 1,2-Dichloropropane | (0.001) |
| Bromodichloromethane | (0.001) |
| cis-1,3-Dichloropropene | (0.001) |
| Toluene | (0.001) |
| trans-1,3-Dichloropropene | (0.001) |
| 1,1,2-Trichloroethane | (0.001) |
| Methyl methacrylate | (0.008) |
| 4-Methyl-2-pentanone | (0.006) |
| Tetrachloroethene | (0.001) |
| Dibromochloromethane | (0.001) |
| 1,2-Dibromoethane | (0.001) |
| Chlorobenzene | (0.001) |

() - Estimated Detection Limit Page 7

Triangle Laboratories, Inc.
Project Summary for Project 46323

Client ID: VOSTBLK 08
2498 T/TC

Filename : FX974
TLI Id : VOSTBLK 0824
Matrix : VOST
Units : ug

| | |
|---------------------------|---------|
| Ethylbenzene | (0.001) |
| m-/p-Xylene | (0.001) |
| o-Xylene | (0.001) |
| Styrene | (0.001) |
| Bromoform | (0.003) |
| 2-Hexanone | (0.013) |
| Cumene | (0.001) |
| 1,1,2,2-Tetrachloroethane | (0.002) |

Triangle Laboratories, Inc.
Project Summary for Project 46323

Client ID: VOSTBLK 08
2498 T/TC

Filename : FX974
TLI Id : VOSTBLK 0824
Matrix : VOST
Units : ug

| | |
|-----------------|---------|
| 1,3-Butadiene | (0.001) |
| Vinyl bromide | (0.001) |
| MTBE | (0.001) |
| n-Hexane | (0.001) |
| 1,2-Epoxybutane | (0.035) |
| Iso-Octane | (0.001) |
| Ethyl acrylate | (0.009) |



PACIFIC ENVIRONMENTAL SERVICES, INC.

Central Park West
 5001 South Miami Boulevard, P.O. Box 12077
 Research Triangle Park, North Carolina 27709-2077
 (919) 941-0333 FAX: (919) 941-0234

Sample Chain of Custody Record

PLANT: US EPA HOT MIX ASPHALT PLANT C PROJECT NO.: R012.001
 RECOVERY PERSON: Abernathy, Maret SAMPLERS: Abernathy, Maret

| Sample Identification | Collection | | Sample Name | Number of Containers | Analytical Request | | | | Comments |
|-----------------------|------------|------|--------------------|----------------------|--------------------|--|--|--|----------------|
| | Date | Time | | | | | | | |
| S-V-2-1-A | 7/25/98 | | Silo 2 Run 2 Set 1 | 1 | | | | | Tenax |
| S-V-2-1-B | 7/25/98 | | Silo 2 Run 2 Set 1 | 1 | | | | | Tenax/Charcoal |
| S-V-2-2-A | 7/25/98 | | Silo 2 Run 2 Set 2 | 1 | | | | | Tenax |
| S-V-2-2-B | 7/25/98 | | Silo 2 Run 2 Set 2 | 1 | | | | | Tenax/Charcoal |
| S-V-2-3-A | 7/25/98 | | Silo 2 Run 2 Set 3 | 1 | | | | | Tenax |
| S-V-2-3-B | 7/25/98 | | Silo 2 Run 2 Set 3 | 1 | | | | | Tenax/Charcoal |
| S-V-2-4-A | 7/25/98 | | Silo 2 Run 2 Set 4 | 1 | | | | | Tenax |
| S-V-2-4-B | 7/25/98 | | Silo 2 Run 2 Set 4 | 1 | | | | | Tenax/Charcoal |
| T-V-2-1-A | 7/25/98 | | Tunnel Run 2 Set 1 | 1 | | | | | Tenax |
| T-V-2-1-B | 7/25/98 | | Tunnel Run 2 Set 1 | 1 | | | | | Tenax/Charcoal |
| T-V-2-2-A | 7/25/98 | | Tunnel Run 2 Set 2 | 1 | | | | | Tenax |
| T-V-2-2-B | 7/25/98 | | Tunnel Run 2 Set 2 | 1 | | | | | Tenax/Charcoal |
| T-V-2-3-A | 7/25/98 | | Tunnel Run 2 Set 3 | 1 | | | | | Tenax |
| T-V-2-3-B | 7/25/98 | | Tunnel Run 2 Set 3 | 1 | | | | | Tenax/Charcoal |
| T-V-2-4-A | 7/25/98 | | Tunnel Run 2 Set 4 | 1 | | | | | Tenax |
| T-V-2-4-B | 7/25/98 | | Tunnel Run 2 Set 4 | 1 | | | | | Tenax/Charcoal |
| T-V-FB-A | 7/25/98 | | Tunnel Field Blank | 1 | | | | | Tenax |
| T-V-FB-B | 7/25/98 | | Tunnel Field Blank | 1 | | | | | Tenax/Charcoal |
| S-V-3-1-A | 7/27/98 | | Silo 2 Run 3 Set 1 | 1 | | | | | Tenax |
| S-V-3-1-B | 7/27/98 | | Silo 2 Run 3 Set 1 | 1 | | | | | Tenax/Charcoal |
| S-V-3-2-A | 7/27/98 | | Silo 2 Run 3 Set 2 | 1 | | | | | Tenax |
| S-V-3-2-B | 7/27/98 | | Silo 2 Run 3 Set 2 | 1 | | | | | Tenax/Charcoal |
| S-V-3-3-A | 7/27/98 | | Silo 2 Run 3 Set 3 | 1 | | | | | Tenax |
| S-V-3-3-B | 7/27/98 | | Silo 2 Run 3 Set 3 | 1 | | | | | Tenax/Charcoal |
| S-V-3-4-A | 7/27/98 | | Silo 2 Run 3 Set 4 | 1 | | | | | Tenax |
| S-V-3-4-B | 7/27/98 | | Silo 2 Run 3 Set 4 | 1 | | | | | Tenax/Charcoal |
| S-V-3-5-A | 7/27/98 | | Silo 2 Run 3 Set 5 | 1 | | | | | Tenax |
| S-V-3-5-B | 7/27/98 | | Silo 2 Run 3 Set 5 | 1 | | | | | Tenax/Charcoal |
| S-V-3-6-A | 7/27/98 | | Silo 2 Run 3 Set 6 | 1 | | | | | Tenax |
| S-V-3-6-B | 7/27/98 | | Silo 2 Run 3 Set 6 | 1 | | | | | Tenax/Charcoal |
| T-V-3-1-A | 7/27/98 | | Tunnel Run 3 Set 1 | 1 | | | | | Tenax |



PACIFIC ENVIRONMENTAL SERVICES, INC.

Central Park West
 5001 South Miami Boulevard, P.O. Box 12077
 Research Triangle Park, North Carolina 27709-2077
 (919) 941-0333 FAX: (919) 941-0234

Sample Chain of Custody Record

PLANT: US EPA HOT MIX ASPHALT PLANT C PROJECT NO.: R012.001
 RECOVERY PERSON: Abernathy, Maret SAMPLERS: Abernathy, Maret

| Sample Identification | Collection | | Sample Name | Number of Containers | Analytical Request | | Comments | | |
|--------------------------------------|------------|------|--------------------|----------------------|--------------------|-------|----------------|----------------------|--------------------|
| | Date | Time | | | | | | | |
| T-V-3-1-B | 7/27/98 | | Tunnel Run 3 Set 1 | 1 | | | Tenax/Charcoal | | |
| T-V-3-2-A | 7/27/98 | | Tunnel Run 3 Set 2 | 1 | | | Tenax | | |
| T-V-3-2-B | 7/27/98 | | Tunnel Run 3 Set 2 | 1 | | | Tenax/Charcoal | | |
| T-V-3-3-A | 7/27/98 | | Tunnel Run 3 Set 3 | 1 | | | Tenax | | |
| T-V-3-3-B | 7/27/98 | | Tunnel Run 3 Set 3 | 1 | | | Tenax/Charcoal | | |
| S-V-FB-A | 7/26/98 | | Silo Field Blank | 1 | | | Tenax | | |
| S-V-FB-B | 7/26/98 | | Silo Field Blank | 1 | | | Tenax/Charcoal | | |
| T-V-4-1-A | 7/26/98 | | Tunnel Run 4 Set 1 | 1 | | | Tenax | | |
| T-V-4-1-B | 7/26/98 | | Tunnel Run 4 Set 1 | 1 | | | Tenax/Charcoal | | |
| T-V-4-2-A | 7/26/98 | | Tunnel Run 4 Set 2 | 1 | | | Tenax | | |
| T-V-4-2-B | 7/26/98 | | Tunnel Run 4 Set 2 | 1 | | | Tenax/Charcoal | | |
| T-V-4-3-A | 7/26/98 | | Tunnel Run 4 Set 3 | 1 | | | Tenax | | |
| T-V-4-3-B | 7/26/98 | | Tunnel Run 4 Set 3 | 1 | | | Tenax/Charcoal | | |
| T-V-4-4-A | 7/26/98 | | Tunnel Run 4 Set 4 | 1 | | | Tenax | | |
| T-V-4-4-B | 7/26/98 | | Tunnel Run 4 Set 4 | 1 | | | Tenax/Charcoal | | |
| Relinquished by: <i>M. Abernathy</i> | | | | Date: | 7/20/98 | Time: | 1030 | Received by: | <i>[Signature]</i> |
| Relinquished by: <i>[Signature]</i> | | | | Date: | 7/29/98 | Time: | 1200 | Received for Lab by: | <i>Bill Turner</i> |

Handwritten: COPY

Custody Seal : Absent
 Chain of Custody : Present
 Sample Tags : Absent
 Sample Tag Numbers: Not Listed on Chain of Custody
 SMO Forms : N/A

TLI Project Number 46323
 Client: PES03 - Pacific Environmental Services

Book 214
 Page 27

Ice Chest ICB PACKS Temp 6.0 C Carrier and Number FedEx/

| TLI Number nr/H/CPM | Client Sample ID | Matrix Location..... | To LAB Date/Init | To STORAGE Date/Init | DISPOSED Date/Init |
|------------------------|---------------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|-----------------------|
| 214-27-1A | S-V-2-1-A | R026 | TENAX | | | | | | | | |
| 214-27-1B | S-V-2-1-B | R026 | TENAX/CHAR | | | | | | | | |
| 214-27-2A | S-V-2-2-A | R026 | TENAX | | | | | | | | |
| 214-27-2B | S-V-2-2-B | R026 | TENAX/CHAR | | | | | | | | |
| 214-27-3A | S-V-2-3-A | R026 | TENAX | | | | | | | | |
| 214-27-3B | S-V-2-3-B | R026 | TENAX/CHAR | | | | | | | | |
| 214-27-4A | S-V-2-4-A | R026 | TENAX | | | | | | | | |
| 214-27-4B | S-V-2-4-B | R026 | TENAX/CHAR | | | | | | | | |
| 214-27-5A | T-V-2-1-A | R026 | TENAX | | | | | | | | |
| 214-27-5B | T-V-2-1-B | R026 | TENAX/CHAR | | | | | | | | |
| 214-27-6A | T-V-2-2-A | R026 | TENAX | | | | | | | | |
| 214-27-6B | T-V-2-2-B | R026 | TENAX/CHAR | | | | | | | | |
| 214-27-7A | T-V-2-3-A | R026 | TENAX | | | | | | | | |
| 214-27-7B | T-V-2-3-B | R026 | TENAX/CHAR | | | | | | | | |

Receiving Remarks:

Archive Remarks:

TLI Project Number 46123
 Client: PES03 - Pacific Environmental Services

Book 214

Custody Seal : Absent
 Chain of Custody : Present
 Sample Tags : Absent
 Sample Tag Numbers: Not Listed on Chain of Custody
 SMO Forms : N/A

Date Received 07/29/98 By *[Signature]* Page 27

| TLI Number | Client Sample ID | Matrix | To LAB Date/Init | To STORAGE Date/Init | To IAB Date/Init | To STORAGE Date/Init | To LAB Date/Init | To STORAGE Date/Init | DISPOSED Date/Init |
|------------|------------------|--------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|--------------------|
| | | | | | | | | | | | | | | | |
| 214-27-8A | T-V-2-4-A | | | | | | | | | | | | | | |
| 214-27-8B | T-V-2-4-B | | | | | | | | | | | | | | |
| 214-27-9A | T-V-FB-A | | | | | | | | | | | | | | |
| 214-27-9B | T-V-FB-B | | | | | | | | | | | | | | |
| 214-27-10A | S-V-3-1-A | | | | | | | | | | | | | | |
| 214-27-10B | S-V-3-1-B | | | | | | | | | | | | | | |
| 214-27-11A | S-V-3-2-A | | | | | | | | | | | | | | |
| 214-27-11B | S-V-3-2-B | | | | | | | | | | | | | | |
| 214-27-12A | S-V-3-3-A | | | | | | | | | | | | | | |
| 214-27-12B | S-V-3-3-B | | | | | | | | | | | | | | |
| 214-27-13A | S-V-3-4-A | | | | | | | | | | | | | | |
| 214-27-13B | S-V-3-4-B | | | | | | | | | | | | | | |
| 214-27-14A | S-V-3-5-A | | | | | | | | | | | | | | |
| 214-27-14B | S-V-3-5-B | | | | | | | | | | | | | | |

Receiving Remarks:

Archive Remarks:

Custody Seal : Absent
 Chain of Custody : Present
 Sample Tags : Absent
 Sample Tag Numbers: Not Listed on Chain of Custody
 SMO Forms : N/A

Sample Seal: Absent
 Container: Intact

TLI Project Number 46323
 Client: PES03 - Pacific Environmental Services

Date Received 07/29/98 By *[Signature]*

Page 214

| TLI Number | Client Sample ID | Matrix | To LAB Date/Init | To STORAGE Date/Init | DISPOSED Date/Init | ICE CHEST | ICE PACKS | Temp | CHAIN OF CUSTODY | |
|------------|------------------|--------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|--------------------|-----------|-----------|-------|--------------------|--------|
| | | | | | | | | | | | | | | | | | | | Carrier and Number | FedEx/ |
| 214-27-15A | S-V-3-6-A | R026 | TENAX | | | | | | | | | | | | | | | 6.0 C | | |
| 214-27-15B | S-V-3-6-B | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-16A | T-V-3-1-A | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-16B | T-V-3-1-B | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-17A | T-V-3-2-A | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-17B | T-V-3-2-B | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-18A | T-V-3-3-A | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-18B | T-V-3-3-B | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-19A | S-V-FB-A | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-19B | S-V-FB-B | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-20A | T-V-4-1-A | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-20B | T-V-4-1-B | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-21A | T-V-4-2-A | R026 | TENAX | | | | | | | | | | | | | | | | | |
| 214-27-21B | T-V-4-2-B | R026 | TENAX | | | | | | | | | | | | | | | | | |

Receiving Remarks:

Archive Remarks:

Custody Seal : Absent
 Chain of Custody : Present
 Sample Tags : Absent
 Sample Tag Numbers: Not Listed on Chain of Custody
 SMO Forms : N/A

Sample Seals: Absent
 Container: Intact

TRI Project Number 46123
 Client: PSS03 - Pacific Environmental Services

Date Received 07/29/98
 Carrier and Number FedEx/

Page 27

| TI# Number | Client Sample ID | Location | Matrix | ICE PACKS | | To LAB Date/Init | To STORAGE Date/Init | DISPOSED Date/Init |
|------------|------------------|----------|----------|-----------|-------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|------------------|----------------------|--------------------|
| | | | | Temp | 6.0 C | | | | | | | | | | | |
| 214-27-22A | T-V-4-3-A | R026 | TENAX | | | | | | | | | | | | | |
| 214-27-22B | T-V-4-3-B | R026 | TNX/CHAR | | | | | | | | | | | | | |
| 214-27-23A | T-V-4-4-A | R026 | TENAX | | | | | | | | | | | | | |
| 214-27-23B | T-V-4-4-B | R026 | TNX/CHAR | | | | | | | | | | | | | |

Receiving Remarks:
 Archive Remarks:

Triangcle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DB624 | 3274056 | 8260 | USA | V043 | 8260B | 8266X |

| Internal / Surrogate / Recover | Internal / Surrogate / Recover | Analyte |
|--------------------------------|--------------------------------|---------|
| V55-92-3 app. 8/22/98 | V55-92-2 app. 8/22/98 | |

Standards
Extract / Sample volume _____ µL _____ mL
Circle unit
Signature: *Terry C. Spindel* Date: 8/19/98

| Date** | Time** | Project | Sample# | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|---------|-----------------------------------|----------------|----------|-----|---------------|---------------|------|-------------|
| 8/19/98 | 01:57 | --- | 2.00 V55-92-3 app. 8/22/98 | BFB | HW5549 | N/A | SL 8/19/98 | 10 8/19/98 | SL | |
| 8/19/98 | 02:26 | --- | 10.00 V55-92-4 app. 8/22/98 | V05TD0.10 TITC | HW5550 | N/A | SL 8/19/98 | | SL | |
| 8/19/98 | 03:17 | --- | 10.00 V55-52-4 app. 8/22/98 | V05TD0.10 TITC | HW5551 | N/A | SL 8/19/98 | | SL | |
| 8/19/98 | 03:52 | --- | 10.00 V55-93-7 app. 8/22/98 | V05TD0.25 TITC | HW5552 | N/A | SL 8/19/98 | | SL | |
| 8/19/98 | 04:23 | --- | 10.00 V55-93-3 app. 8/22/98 | V05TD0.50 TITC | HW5553 | N/A | SL 8/19/98 | | SL | |
| 8/19/98 | 04:55 | --- | 10.00 V55-93-8 app. 8/22/98 | V05TD0.75 TITC | HW5554 | N/A | SL 8/19/98 | | SL | |
| 8/19/98 | 05:27 | --- | 10.00 V55-94-1 app. 8/22/98 | V05TD1.00 TITC | HW5555 | N/A | SL 8/19/98 | | SL | |
| 8/19/98 | 06:01 | --- | 10.00 V55-92-2 app. 8/22/98 | V05TD0.50 TITC | HW5556 | N/A | SL 8/19/98 | | SL | |
| 8/19/98 | 06:40 | --- | 10.00 V55-90-2 app. 8/22/98 | V05TD0.50 TITC | HW5557 | N/A | SL 8/19/98 | | SL | single pt. |
| 8/19/98 | 07:49 | --- | 10.00 V55-92-2 app. 8/22/98 | V05TD0.50 TITC | HW5558 | N/A | SL 8/19/98 | 10 8/19/98 | SL | |

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DB624 | 3274056 | 8260 | VIA | VIA3 | 82606 | 82668 |

| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | Analyte | Standards |
|---------------------------------------|---------------------------------------|---------|-----------|
| VS9-92-2 ² exp. 8/24/58 | VS9-92-2 ² exp. 8/24/58 | | |
| VS9-92-2 ² exp. 8/24/58 | VS9-92-2 ² exp. 8/24/58 | | |

Extract / Sample volume _____ µL mL

 Signature Date 8/15/58

| Date** | Time** | Project | Sample # | Client ID | Filename | pH* | Operator/Date | Backup* | Prod | Comments*** |
|---------|--------|---------|---------------------------------------|---------------|----------|-----|---------------|------------------------|------|-------------|
| 8/15/58 | 08:28 | — | VS9-92-2 ² exp. 8/24/58 | VOSTRIK TITC | HWS59 | n/a | SL 8/15/58 | 1 ¹ 8/15/58 | SL | |
| 8/15/58 | 09:11 | 46323 | 214-27-20A | F-V-4-1-B TIC | HWS60 | n/a | SL 8/15/58 | 1 ¹ | SL | |
| 8/15/58 | 09:46 | 46323 | 214-27-21B | F-V-4-2-B TIC | HWS61 | n/a | SL 8/15/58 | 1 ¹ | SL | |
| 8/15/58 | 10:37 | 46323 | 214-27-20A | F-V-4-1-A T | HWS62 | n/a | SL 8/15/58 | 1 ¹ | SL | |
| 8/15/58 | 11:11 | 46323 | 214-27-21A | F-V-4-2-A T | HWS63 | n/a | SL 8/15/58 | 1 ¹ 8/15/58 | SL | |

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DB624 | 6252663 | 8260 | VDA | VDA3 | 8260B | |

| Standards | | Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | Analyte |
|------------|-----------|---------------------------------|---------------------------------|---------|
| USA-92-3 | @ 25ug/ml | USA-44-3 | @ 25ug/ml | |
| exp 8/2/98 | | exp 8/2/98 | | |

Extract / Sample volume _____ µL mL
 Signature Lenny Good 8/2/98 Date

| Date** | Time** | Project | Sample # | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|--------------------------------|--------------------------------|-----------------|----------|-----|---------------|---------|------|-------------------------|
| 8/21/98 | 5:22 | --- | 164 USA-92-4 exp 8/2/98 | VOSTD0.25 TITC | EX941 | N/A | LG 8/21/98 | | R | low sensitivity 8/21/98 |
| 8/21/98 | 6:15 | --- | 204 USA-92-3 exp 8/2/98 | BBB | EX942 | N/A | LG 8/21/98 | | R | |
| 8/21/98 | 6:48 | --- | 1004 USA-92-3 exp 8/2/98 | VOSTD0.10 I/TIC | EX943 | N/A | LG 8/21/98 | | R | |
| 8/21/98 | 07:55 | --- | 1004 USA-92-3 exp 8/2/98 | VOSTD0.25 TITC | EX944 | N/A | LG 8/21/98 | | R | |
| 8/21/98 | 08:58 | --- | 114 USA-93-2 exp 8/2/98 | VOSTD0.50 TITC | EX945 | N/A | LG 8/21/98 | | R | |
| 8/21/98 | 05:39 | --- | 1004 USA-93-4 exp 8/2/98 | VOSTD0.75 TITC | EX946 | N/A | LG 8/21/98 | | R | |
| 8/21/98 | 10:22 | --- | 1004 USA-93-1 exp 8/2/98 | VOSTD1.00 TITC | EX947 | N/A | LG 8/21/98 | | R | |
| 8/21/98 | 11:10 | --- | 1004 USA-95-4 exp 8/2/98 | VOSTD1.00 TITC | EX948 | N/A | LG 8/21/98 | | R | |
| 8/21/98 | 11:56 | --- | 1004 USA-95-1 exp 8/2/98 | VOSTD1.00 TITC | EX949 | N/A | LG 8/21/98 | | R | |
| 8/21/98 | 12:5 | 1004 USA-96-1 exp 8/2/98 | 164 USA-95-4 exp 8/2/98 | VOSTD0.50 TITC | EX950 | N/A | LG 8/21/98 | | R | |

• Volatile Data Only ** Transcribed Data *** Dated Signature/Initials Required Page 32

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DB624 | 6251633 | 8260 | UPL | UPL3 | 82604 | 8260X |

| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | Analyte | Extract / Sample volume | Circle unit |
|---------------------------------|---------------------------------|---------|-------------------------|-------------|
| U55-93-2 | U55-93-2 | | 100 µl | µl |
| exp 8/21/98 @ 25 µl/ml | exp 8/19/98 @ 25 µl/ml | | 100 µl | ml |

Signature: *Lesley E. Spruill* Date: 8/21/98

| Date** | Time** | Project | Sample# | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|-------------------------------|------------|-----------------|----------|-----|---------------|---------|------|-------------------------|
| 8/21/98 | 13:40 | — | U55-93-2 | VOSTAIR T/TC | EX951 | N/A | SL 8/21/98 | | SL | |
| 8/21/98 | 14:23 | — | U55-93-2 | VOSTAIR T/TC | EX952 | N/A | SL 8/21/98 | | SL | |
| 8/21/98 | — | 46323 | U55-93-2 | F-V-13-A48 T/TC | EX953 | N/A | SL 8/21/98 | | SL | |
| 8/21/98 | 00:36 | — | U55-93-2 | DEFB | EX954 | N/A | 16 8/22/98 | | 16 | sensitivity low |
| 8/21/98 | 00:55 | — | U55-93-2 | DEFB | EX955 | N/A | 16 8/22/98 | | SL | |
| 8/21/98 | 11:22 | — | U55-93-2 | VOSTDO.25 T/TC | EX956 | N/A | 16 8/22/98 | | 16 | |
| 8/21/98 | 2:12 | — | U55-93-2 | VOSTDO.25 T/TC | EX957 | N/A | 16 8/22/98 | | 16 | |
| 8/21/98 | 2:54 | 100 µl U55-93-2-1 exp 8/19/98 | U55-93-2-1 | VOSTDO.50 T/TC | EX958 | N/A | 16 8/22/98 | | 16 | sensitivity dropped out |
| 8/21/98 | 3:32 | 100 µl U55-93-2-1 exp 8/19/98 | U55-93-2-1 | VOSTDO.50 T/TC | EX959 | N/A | 16 8/22/98 | | 16 | changed tube |
| 8/21/98 | 4:20 | — | U55-93-2-1 | VOSTBLK T/TC | EX960 | N/A | 16 8/22/98 | | 16 | |

• Volatile Data Only • Transcribed Data • Dated Signature/Initials Required Page 33

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DB624 | 6252663 | 8260 | V0A- | V0A3 | 8260B | |

| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | Analyte |
|---------------------------------|---------------------------------|---------|
| USA-43-2 | USA-45-4 | |
| exp 8/22/48 @ 25 ug/ml | exp 9/12/48 @ 25 ug/ml | |

Standards
Extract / Sample volume _____ µL mL
Signature Larry Gold Date 9/22/48

| Date** | Time** | Project | Sample # | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|---------|----------------------------------|----------------|----------|-----|---------------|---------|------|--|
| 8/22/48 | 5:03 | --- | 10u1 USA-45-11 exp 8/12/48 | VOSTBLE T/TC | FX961 | N/A | LG 8/22/48 | | LG | Changed lines 19 parts Low sensitivity at end |
| 8/22/48 | 6:24 | --- | 10u1 USA-45-4 exp 8/12/48 | VOSTBLE T/TC | FX962 | N/A | LG 8/22/48 | | K5 | checked return - flow OK, maybe electrical 19 parts |
| 8/22/48 | 7:16 | --- | 10u1 USA-45-4 exp 8/12/48 | VOSTBLE T/TC | FX963 | N/A | LG 8/22/48 | | LG | |
| 8/22/48 | 23:52 | --- | 2u1 USA-46-2 exp 8/12/48 | BFB | FX964 | N/A | LG 8/23/48 | | LG | |
| 8/22/48 | 00:43 | --- | 10u1 USA-45-3 exp 8/12/48 | VOSTDO.25 T/TC | FX965 | N/A | LG 8/22/48 | | LG | Low sensitivity 19 parts |
| 8/22/48 | 1:34 | --- | 10u1 USA-45-3 exp 8/12/48 | VOSTDO.25 T/TC | FX966 | N/A | LG 8/22/48 | | LG | " " 8/22/48 |
| 8/22/48 | 2:28 | --- | 2u1 USA-46-2 exp 8/12/48 | BFB | FX967 | N/A | LG 8/22/48 | | LG | |
| 8/22/48 | 2:59 | --- | 10u1 USA-45-3 exp 8/12/48 | VOSTDO.25 T/TC | FX968 | N/A | LG 8/22/48 | | LG | Return missing 19 parts |
| 8/22/48 | 3:46 | --- | 10u1 USA-45-3 exp 8/12/48 | VOSTDO.25 T/TC | FX969 | N/A | LG 8/22/48 | | LG | |
| 8/22/48 | 4:42 | --- | 2u1 USA-46-2 exp 8/12/48 | BFB | FX970 | N/A | LG 8/22/48 | | LG | |

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DB624 | 6252663 | 8260 | UOA | UOA3 | 826DB | 826BX |

Standards

| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | Analyte |
|---------------------------------|---------------------------------|---------|
| US9-46-2 @ 75 ug/ml | US2-45-4 @ 25 ug/ml | |

Extract / Sample volume _____ µL mL
 Signature Lucy Beck Date 8/24/58

| Date** | Time** | Project | Sample # | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|--------|----------------------------------|----------------------------------|-------------------------------|----------|-----|---------------|---------|------|-------------|
| 8/21/58 | 5:12 | --- | 10 µl US9-45-3 exp 8/21/58 | VOSTDO.25 T/TC | FX971 | n/a | LG 8/24/58 | | LC | |
| 8/21/58 | 5:58 | 10 µl US9-46-1 exp 8/21/58 | 10 µl US9-45-4 exp 8/21/58 | VOSTDO.S0 T/TC Additionals | FX972 | n/a | LG 8/24/58 | | LC | |
| 8/21/58 | | 10 µl US9-46-1 exp 8/21/58 | 10 µl US9-45-4 exp 8/21/58 | VOSTDO.S0 T/TC | FX973 | n/a | LG 8/24/58 | | LC | |
| 8/21/58 | 08:04 | --- | 10 µl US9-45-4 exp 8/21/58 | VOSTDO.L T/TC | FX974 | n/a | LG 8/24/58 | | LC | |
| 8/21/58 | 09:15 | 46323 | 214-27-5A,B | T-V-2-1-A,B T/TC | FX975 | n/a | DL 8/24/58 | | DL | |
| 8/21/58 | 10:02 | 46323 | 214-27-6A,B | T-V-2-2-A,B T/TC | FX976 | n/a | DL 8/24/58 | | DL | |
| 8/21/58 | 10:49 | 46323 | 214-27-7A,B | T-V-2-3-A,B T/TC | FX977 | n/a | DL 8/24/58 | | DL | |
| 8/21/58 | 11:35 | 46323 | 214-27-8A,B | T-V-2-4-A,B T/TC | FX978 | n/a | DL 8/24/58 | | DL | |
| 8/21/58 | 12:14 | 46323 | 214-27-10A,B | T-V-3-1-A,B T/TC | FX979 | n/a | DL 8/24/58 | | DL | |
| 8/24/58 | 13:02 | 46323 | 214-27-17A,B | T-V-3-2-A,B T/TC | FX980 | n/a | DL 8/24/58 | | DL | |

Triangle Laboratories, Inc.
Run Log

| Column Type | Column # | Analysis* | Acquisition Method | GC Method* | Find DBs* | Other* |
|-------------|----------|-----------|--------------------|------------|-----------|--------|
| DB624 | 6252663 | 82600 | V04 | V043 | 82600 | 8260X |

| Standards | | Analyte |
|---------------------------------|---------------------------------|---------|
| Internal / Surrogate / Recovery | Internal / Surrogate / Recovery | |
| V55-26.2 | V55-45.1 | |
| Sp. 8/19/98 @ 25ug/hr | Sp. 9/16/98 @ 25ug/hr | |

Extract / Sample volume _____ µL _____ mL
 Signature: *Lorena E. Spradell* Date: 8/12/98

| Date** | Time** | Project | Sample # | Client ID | Filename | pH* | Operator/Date | Backup* | Proc | Comments*** |
|---------|-------------|---------|-------------|-----------|----------|-----|---------------|---------|------|--|
| 8/24/98 | 13:52 | 46323 | 214-27-18AB | V-3-3-A,B | EX981 | N/A | SL 8/24/98 | | SL | |
| 8/24/98 | not started | 46323 | 214-27-18AB | V-4-3A,B | EX982 | N/A | SL 8/24/98 | | SL | Acquisition failure NO DATA |
| 8/24/98 | 15:31 | 46323 | 214-27-38AF | V-4-4A,B | EX983 | N/A | SL 8/24/98 | | SL | Temperature broken will check and repair off in coming days (Lorena) |

SAMPLE
DATA

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919-544-5729

P.O. Box 13485
Research Triangle Park, NC 27709-3485
Fax # 919-544-5491

Pacific Environmental Services

Project Number: 46323
 Sample File: FX975

Method 8260 VOST
 Sample ID: T-V-2-1-A,B T/TC

Client Project: R012.001
 TLI ID: 214-27-5A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | 0.056 | | 1.09 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.036 | J | 1.64 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.014 | J | 2.06 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.104 | | 2.77 | | 0.05 |
| Acetone | 0.193 | | 2.87 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.488 | | 3.26 | | 0.05 |
| Acrylonitrile | | U | | 0.026 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.005 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.263 | | 5.52 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
 Sample File: FX975

Method 8260 VOST
 Sample ID: T-V-2-1-A,B T/TC

Client Project: R012.001
 TLI ID: 214-27-5A,B

Date Received: 07/29/98
 Date Analyzed : 08/24/98

Response File: ICALF821

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.008 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.006 | 0.05 |
| Toluene | 0.132 | | 8.10 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.36 | | |
| Tetrachloroethene | 0.017 | J | 8.92 | | 0.05 |
| 2-Hexanone | | U | | 0.011 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.015 | J | 10.69 | | 0.05 |
| m-/p-Xylene | 0.078 | J | 10.93 | | 0.10 |
| o-Xylene | 0.012 | J | 11.64 | | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.74 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: FX975

Method 8260 VOST
Sample ID: T-V-2-1-A,B T/TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALF821

TLI ID: 214-27-5A,B

Date Analyzed: 08/24/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.219 | 5.18 | 1 | 88 |
| Toluene-d ₈ | 0.277 | 8.00 | 2 | 111 |
| 4-Bromofluorobenzene | 0.319 | 12.67 | 2 | 128 |

Reviewed by

BAB

Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

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Printed: 16:48 08/25/1998

242

39

Pacific Environmental Services

Project Number: 46323
Sample File: FX975

Method 8260 VOST
Sample ID: T-V-2-1-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-5A,B

Date Received: 07/29/98

Response File: ICALF824

Date Analyzed: 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.033 | J | 3.62 | | 0.25 |
| n-Hexane | 0.266 | | 3.87 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.032 | 0.25 |
| Iso-Octane | 0.029 | J | 5.68 | | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.008 | 0.25 |

Reviewed by PAB Date 8/25/98

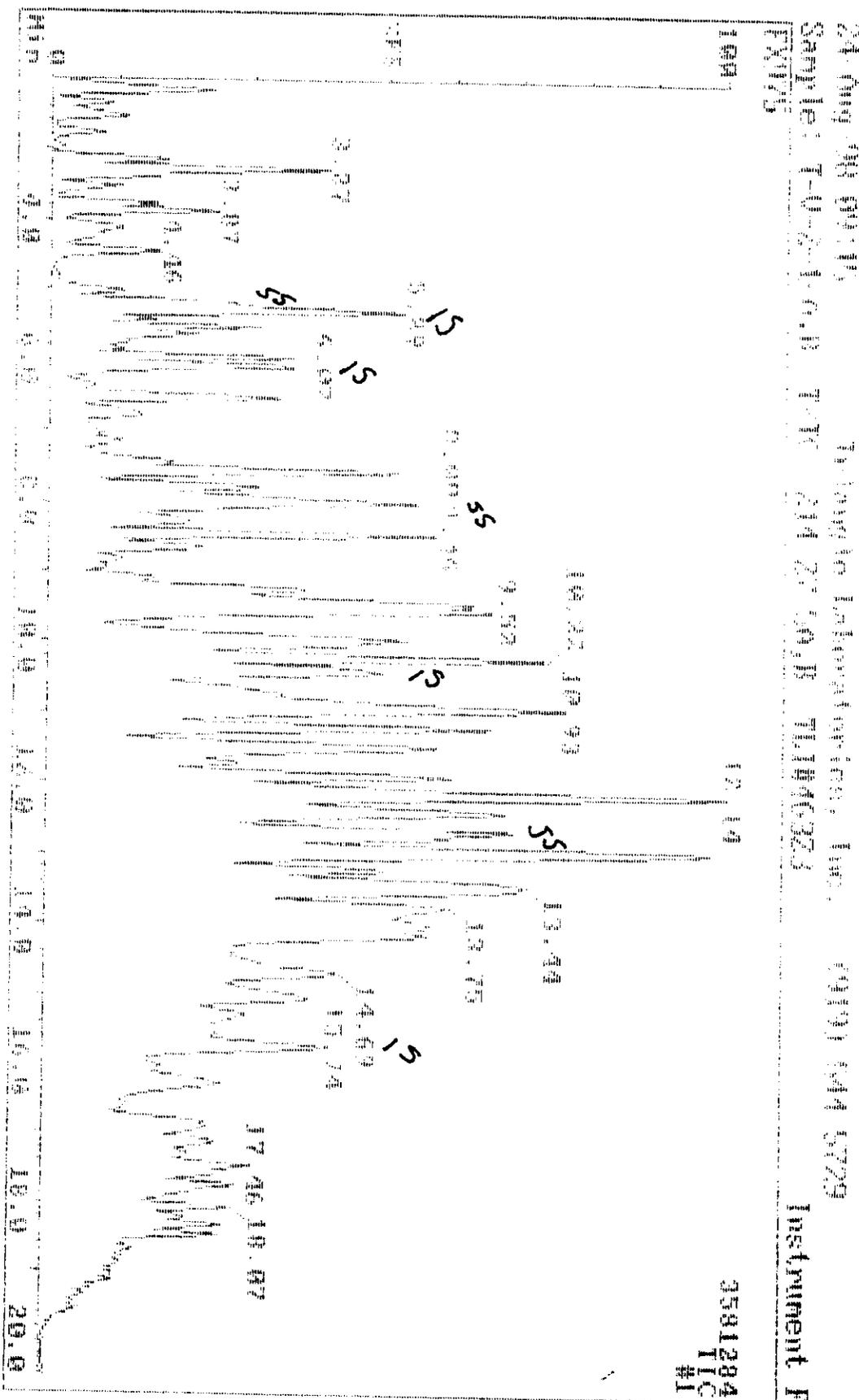
NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
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Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7
Printed: 17:21 08/25/1998

243



Data Review: *gab*
Date: 8/24/98

| No | QTY | FOR | REV | Del | Area | P | File | PT | AM | Notes |
|----|-----|-----|-----|-----|---------|---------|------|--------|-----|------------------------|
| 1 | 100 | 88 | 91 | -5 | 3152002 | 180 | | 5.300 | 104 | Dimethyl fluorobenzene |
| 2 | 100 | 88 | 98 | 0 | 3025184 | 180 | | 6.071 | 104 | 1,4-Difluorobenzene |
| 3 | 88 | 87 | 86 | 0 | 2000848 | 180 | | 0.261 | 117 | Chlorobenzene |
| 4 | 88 | 87 | 95 | -1 | 1570368 | 180 | | 15.737 | 152 | 1,2-Dichlorobenzene |
| 5 | 91 | 95 | 98 | 1 | 1085120 | 180 | | 3.131 | 117 | Dibromobenzene |
| 6 | 99 | 70 | 71 | 1 | 4200850 | 180 | | 3.901 | 98 | Toluene |
| 7 | 70 | 60 | 70 | 0 | 1067004 | 180 | | 12.171 | 95 | 1,3-Difluorobenzene |
| 8 | 0 | 0 | 0 | 0 | | | | 0.000 | 95 | Dichloromethane |
| 9 | 0 | 0 | 0 | 0 | 108609 | (M) PAB | | 1.09 | 30 | Chlorobenzene |
| 10 | 0 | 0 | 0 | 0 | | | | 0.000 | 62 | Acetyl chloride |
| 11 | 56 | 57 | 5 | 0 | 109268 | | | 0.000 | 94 | Fluoroacetic acid |
| 12 | 0 | 0 | 0 | 0 | | | | 0.000 | 54 | Chloroform |
| 13 | 0 | 0 | 0 | 0 | 140672 | (M) PAB | | 2.06 | 101 | 1,2-Dichloroethane |
| 14 | 0 | 0 | 0 | 0 | | | | 0.000 | 96 | 1,1-Dichloroethane |
| 15 | 0 | 0 | 0 | 0 | | | | 0.000 | 107 | 1,2-Dichloroethane |
| 16 | 30 | 30 | 0 | 0 | 101120 | | | 0.000 | 94 | Fluoroacetic acid |
| 17 | 79 | 80 | 0 | 0 | 10112 | | | 0.000 | 47 | Acetic acid |
| 18 | 0 | 0 | 0 | 0 | | | | 0.000 | 61 | 1,1-Dichloroethane |
| 19 | 77 | 85 | 1 | 0 | 102000 | (M) PAB | | 0.000 | 94 | Fluoroacetic acid |
| 20 | | | | | | | | | | |
| 21 | 0 | 0 | 0 | 0 | | | | 0.000 | 4 | Acetic acid |
| 22 | 0 | 0 | 0 | 0 | | | | 0.000 | 24 | 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | | | | 0.000 | 11 | Methyl chloride |
| 24 | 0 | 0 | 0 | 0 | | | | 0.000 | 7 | 1,1-Dichloroethane |
| 25 | 0 | 0 | 0 | 0 | | | | 0.000 | 96 | 1,1-Dichloroethane |
| 26 | | | | | | (M) PAB | | | 43 | Chloroform |
| 27 | 0 | 0 | 0 | 0 | | | | 0.000 | 37 | 1,1-Dichloroethane |
| 28 | 0 | 0 | 0 | 0 | | | | 0.000 | 129 | 1,1-Dichloroethane |
| 29 | 0 | 0 | 0 | 0 | | | | 0.000 | 22 | 1,1-Dichloroethane |
| 30 | 0 | 0 | 0 | 0 | | | | 0.000 | 117 | Chlorobenzene |
| 31 | 0 | 0 | 0 | 0 | | | | 0.000 | 75 | 1,1-Dichloroethane |
| 32 | 100 | 97 | 97 | 0 | 1761344 | 180 | | 8.521 | 78 | Benzene |
| 33 | 0 | 0 | 0 | 0 | | | | 0.000 | 52 | 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | | | | 0.000 | 130 | 1,1-Dichloroethane |
| 35 | 0 | 0 | 0 | 0 | | | | 0.000 | 63 | 1,2-Dichloroethane |
| 36 | 0 | 0 | 0 | 0 | | | | 0.000 | 95 | Dichloromethane |
| 37 | 0 | 0 | 0 | 0 | | | | 0.000 | 41 | 1,1-Dichloroethane |
| 38 | 0 | 0 | 0 | 0 | | | | 0.000 | 87 | Dichloromethane |
| 39 | 0 | 0 | 0 | 0 | | | | 0.000 | 75 | 1,1-Dichloroethane |
| 40 | | | | | | (M) PAB | | | 43 | Acetyl chloride |
| 41 | 100 | 80 | 90 | 1 | 132852 | 180 | | 3.101 | 22 | Chloroform |
| 42 | 0 | 0 | 0 | 0 | | | | 0.000 | 79 | 1,1-Dichloroethane |
| 43 | 0 | 0 | 0 | 0 | | | | 0.000 | 77 | 1,1-Dichloroethane |
| 44 | 0 | 0 | 0 | 0 | | | | 0.000 | 69 | Fluoroacetic acid |
| 45 | 0 | 0 | 0 | 0 | 93520 | (M) PAB | | 8.92 | 64 | 1,1-Dichloroethane |
| 46 | 0 | 0 | 0 | 0 | | | | 0.000 | 76 | 1,1-Dichloroethane |
| 47 | | | | | | (M) PAB | | | 43 | Chloroform |
| 48 | 0 | 0 | 0 | 0 | | | | 0.000 | 129 | 1,1-Dichloroethane |
| 49 | 0 | 0 | 0 | 0 | | | | 0.000 | 107 | 1,2-Dichloroethane |
| 50 | 0 | 0 | 0 | 0 | | | | 0.000 | 112 | Chlorobenzene |

Data Review: PAB
Date: 8/24/98

| No. | MGT | POP | REV | Unit | Weight | Charges | RT | QIS | Chemical |
|-----|-----|-----|-----|------|--------|----------|------------------|--------|---------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 071 | 1,1,1,2-Tetrachloroethane |
| 52 | 41 | 20 | 47 | 0 | 006576 | bb | 0.001 | 006 | o-Dichlorobenzene |
| 53 | 0 | 0 | 0 | 0 | 68947Z | (M) PA/B | 0.000 | 10.931 | m-Xylylene |
| 54 | 0 | 0 | 0 | 0 | 92880 | (M) PA/B | 0.000 | 11.64 | p-Xylene |
| 55 | 0 | 0 | 0 | 0 | | | 0.000 | 014 | Toluene |
| 56 | 0 | 0 | 0 | 0 | | | 0.000 | 072 | Bromobenzene |
| 57 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 58 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 59 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 60 | 0 | 0 | 0 | 0 | | | 0.000 | 006 | o-Dichlorobenzene |
| 61 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 62 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 63 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 64 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 65 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 66 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 67 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 68 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 69 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 70 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 71 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 72 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 73 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 74 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 75 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 76 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 77 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 78 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |
| 79 | 0 | 0 | 0 | 0 | | | 0.000 | 001 | Chlorobenzene |

| No. | MAT | FOR | REV | Del'ta | Area | P.F | Lags | RT | QM | Name |
|-----|-----|-----|-----|--------|---------|-----|--------|--------|-----|------------------------|
| 1 | 100 | 64 | 97 | 1 | 2152308 | bb | | 5.101 | 168 | Benzofluorobenzene |
| 2 | 100 | 85 | 96 | 0 | 3294134 | bv | | 6.071 | 114 | 1,4-Difluorobenzene |
| 3 | 97 | 69 | 86 | 0 | 2603140 | fw | | 10.561 | 117 | Chlorobenzene-15 |
| 4 | 22 | 37 | 95 | 0 | 1523368 | A | | 13.732 | 132 | 1,4-Dichlorobenzene-14 |
| 5 | 96 | 51 | 94 | 0 | 1085120 | bb | | 5.131 | 115 | Bromofluorobenzene |
| 6 | 100 | 75 | 91 | 0 | 4200356 | bv | | 8.001 | 96 | Toluene-13 |
| 7 | 75 | 46 | 90 | 1 | 1612274 | vv | | 12.671 | 95 | 4-Bromofluorobenzene |
| 8 | 63 | 32 | 89 | 1 | 2000000 | h | SP PAR | 1.100 | 32 | 1,2-Dichloroethane |
| 9 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Benzyl bromide |
| 10 | 82 | 66 | 91 | 1 | 27000 | fw | | 3.620 | 75 | MTBF |
| 11 | 100 | 97 | 99 | -1 | 1836000 | bb | SP PAR | 3.300 | 57 | m-Benzoate |
| 12 | 80 | 57 | 91 | 0 | 101100 | fw | | 9.300 | 47 | 1,2-Diphenylethane |
| 13 | 80 | 57 | 91 | 0 | 101100 | fw | SP PAR | 5.681 | 57 | 1,2-Diphenylethane |
| 14 | 71 | 36 | 87 | 1 | 101100 | fw | | 1.000 | 57 | 1,2-Diphenylethane |

24-Aug-98 09:15

Triangle Laboratories, Inc.

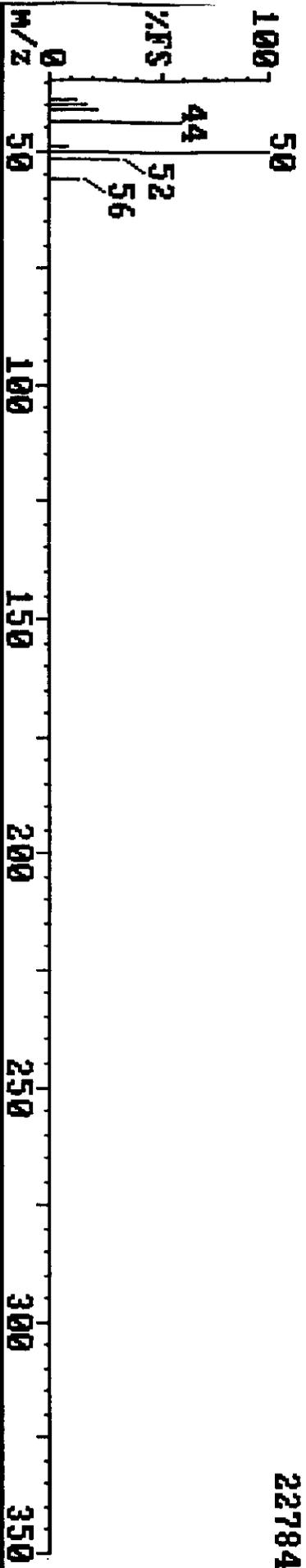
(919) 544-5729

Sample: T-U-2-1-A,B T/TC 214-27-5A,B TL1#46323

Instrument F

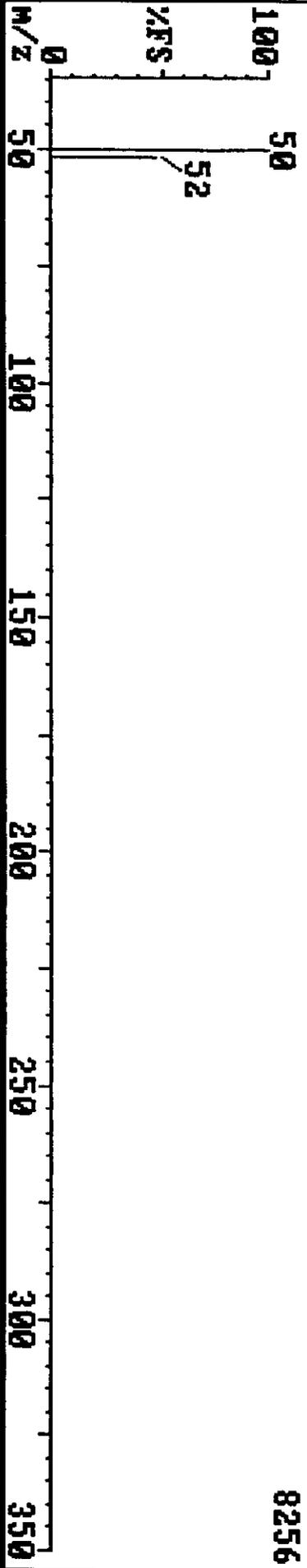
FX975 109 (1.090)

22784



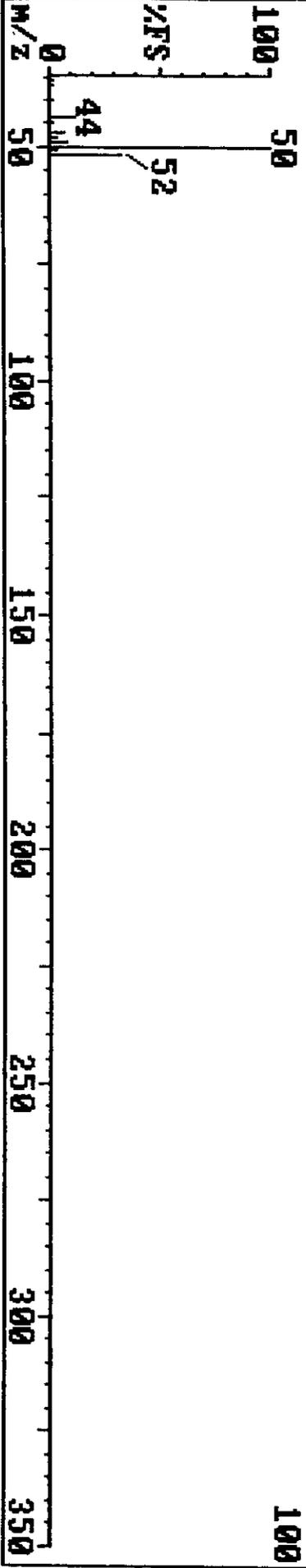
FX975 109 (1.091) REFINE

8256



8260 9 (1.230) Chloromethane

FIND
100



24-Aug-98 09:15

Triangle Laboratories, Inc.

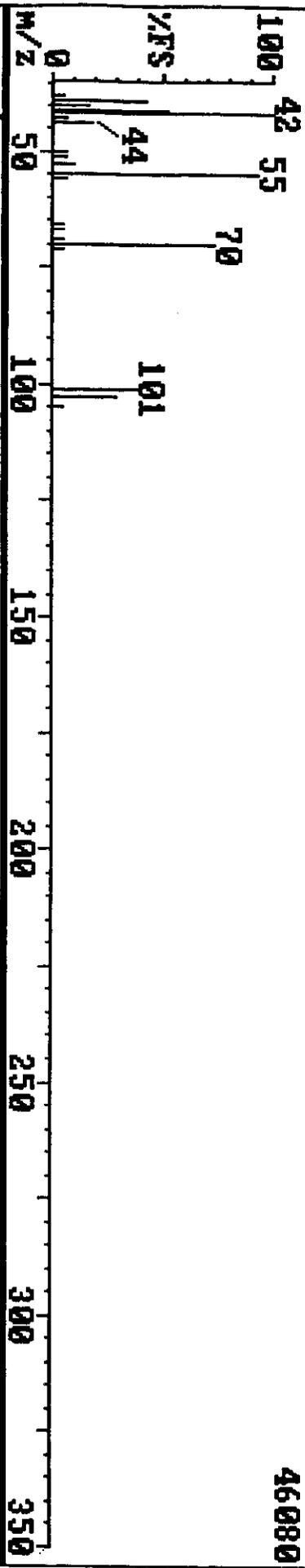
(919) 544-5729

Sample: T-U-2-1-A,B T/TC 214-27-5A,B TL#46323

Instrument F

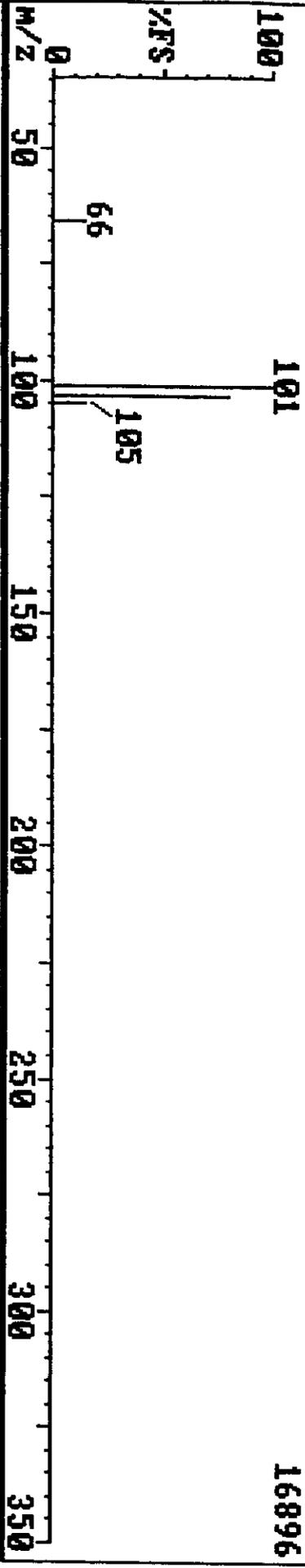
FY975 206 (2.060)

46080



FY975 206 (2.061) REFINE

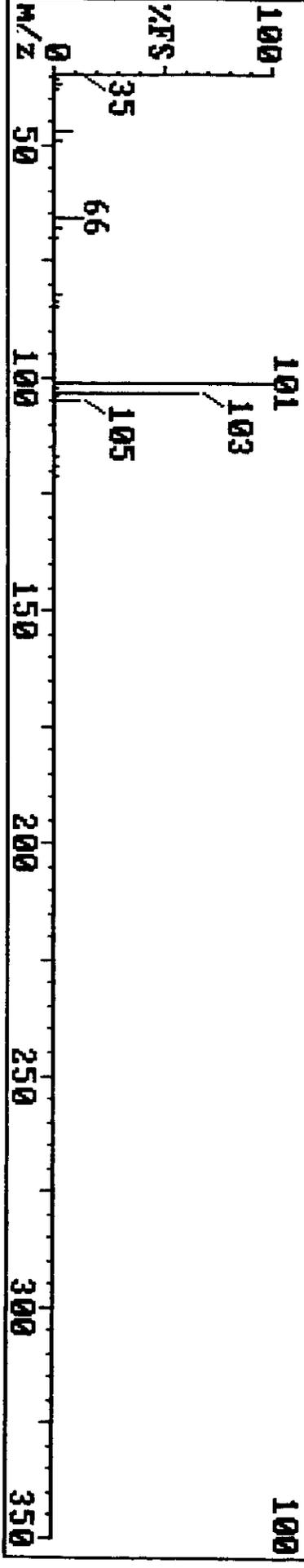
16896



8260 13 (2.300) Trichlorofluoromethane

FIND

100



24-Aug-90 09:15 FLOW - LABORATORIES, INC. (419) 544-5729

Sample: T 021 A1 170 207 207 207 207 Instrument: F

FLOW 207 (2.070)

100 43 7936

44

59

43

100 100 100 100 100 250 300 300 300

100 43 6336

59

43

100 100 100 100 100 250 300 300 300

100 43 100

43

100 100 100 100 100 250 300 300 300

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43

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100 43 100

43

100 100 100 100 100 250 300 300 300

100 43 100

24 Aug 59 09:45

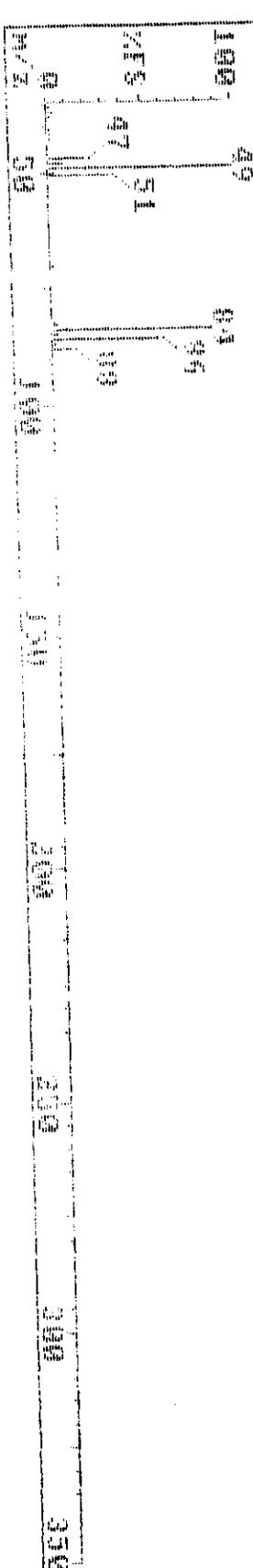
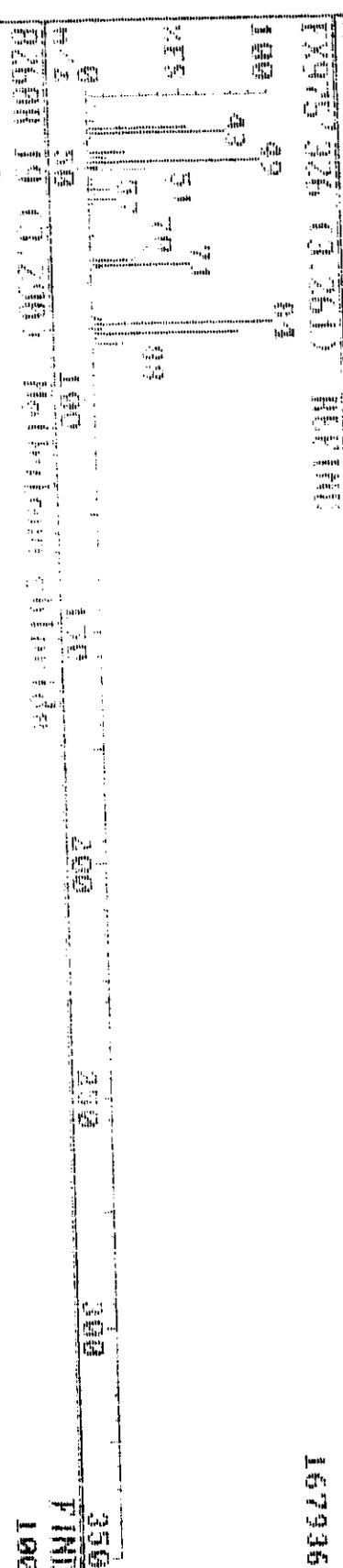
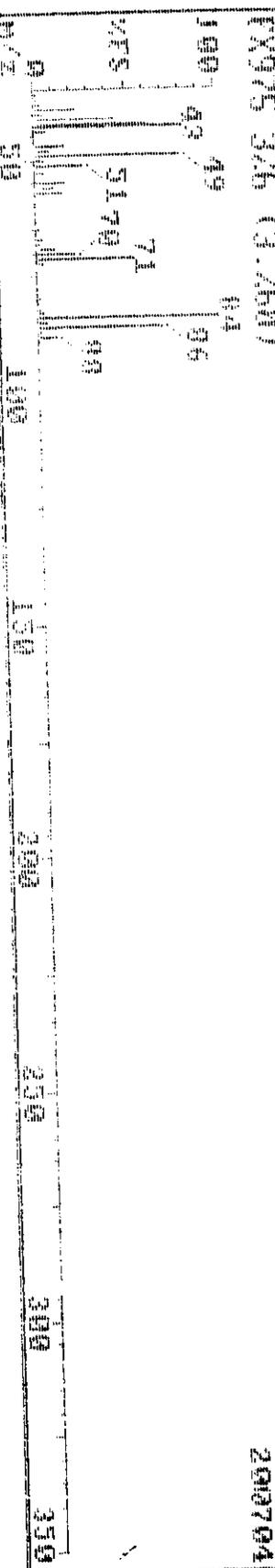
Triangle Laboratories, Inc. (919) 644-5723

Instrument F

Sample: T-02 T-01

170 214 27 50 P. T146373

201704



74-449-50 00015

74-449-50 00015

0000 54-572

Sample 1-02-100

100 24 27 100 10000

Instrument F

FX95 57 5.520

100 79

549672

XTS 77

0 51

MZ 50

100

150

200

250

300

350

FX95 57 6.020

100 79

512000

XTS 77

0 50

MZ 50

100

150

200

250

300

350

FX95 57 6.500

100 79

FIND 100

XTS 77

0 50

MZ 50

100

150

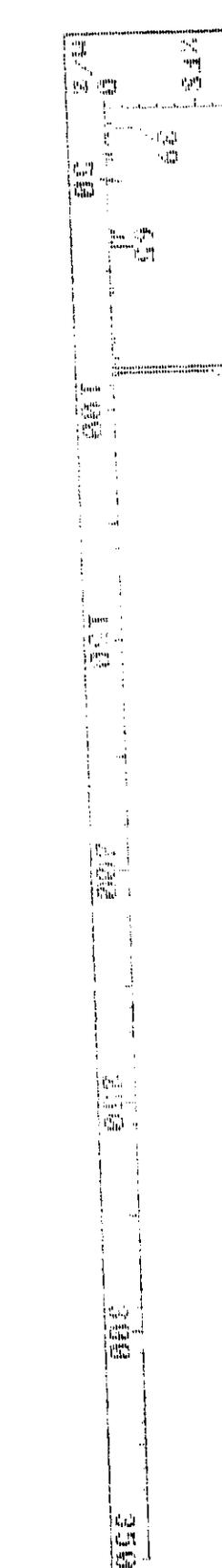
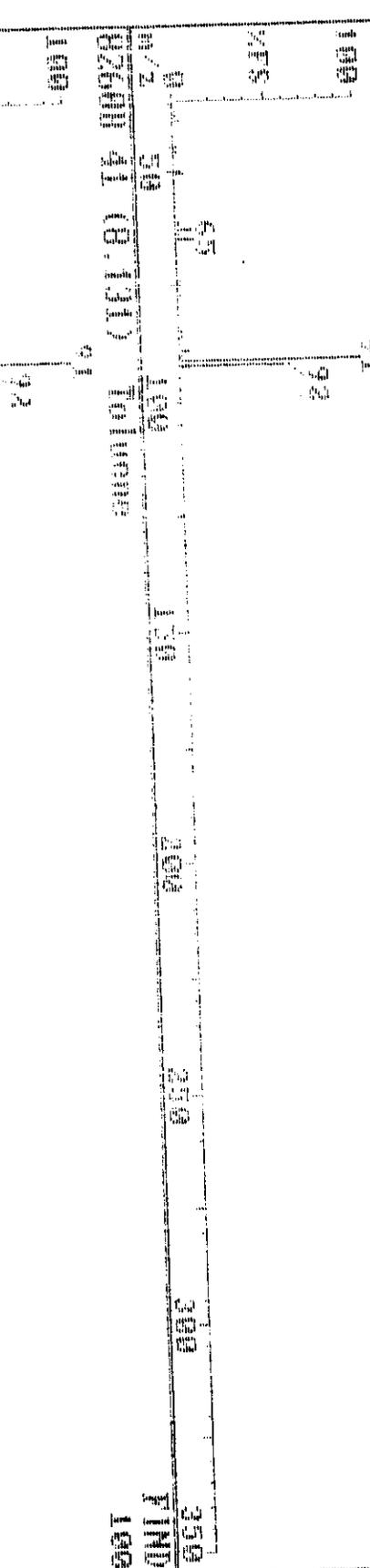
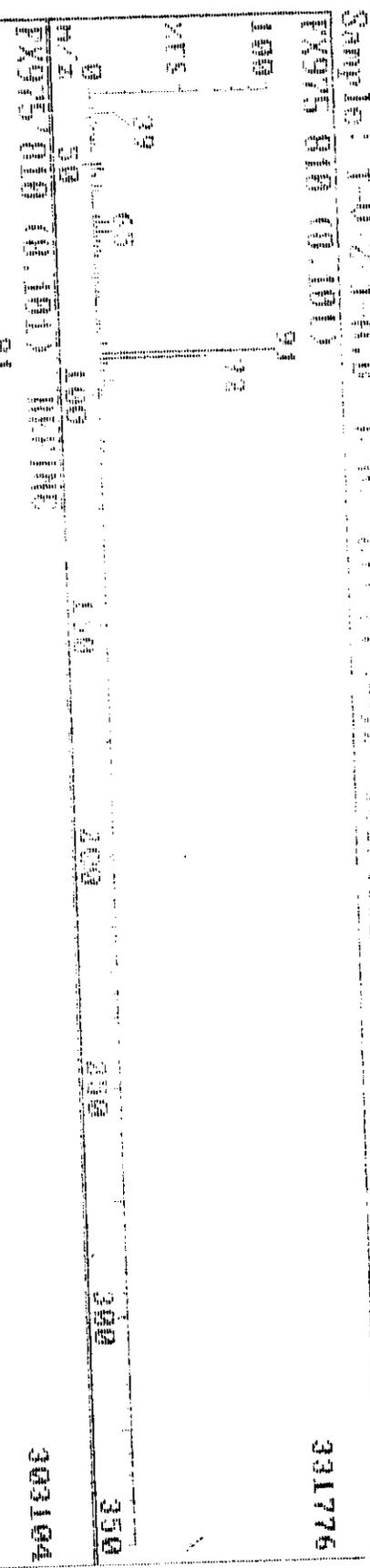
200

250

300

350

24-Aug-99 09:45 Trompeter Laboratories, Inc. (919) 544-5729
 Sample: T-102-100-2 Instrument F
 EX975 000 (0.100) 331776



14-Aug-98 09:15

Triangle Laboratories, Inc.

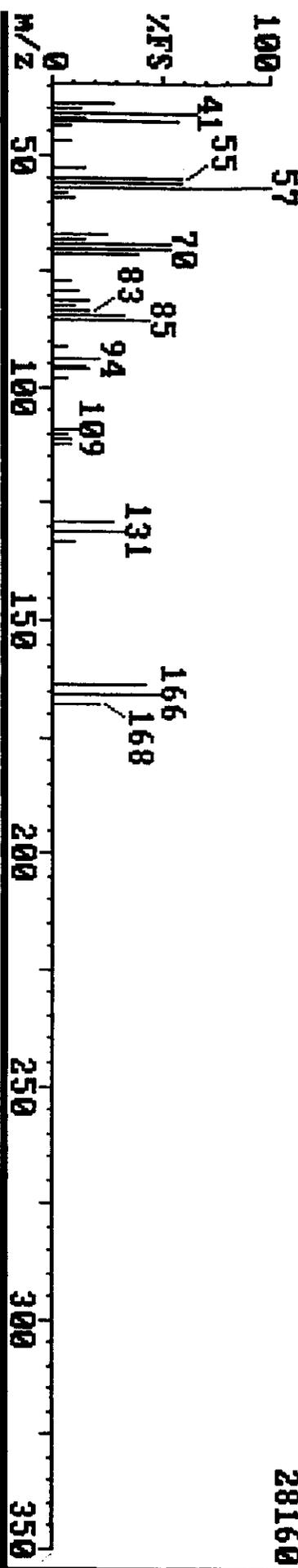
(919) 544-5729

Sample: T-U-2-1-A,B T/TIC 214-27-5A,B TLI#46323

Instrument F

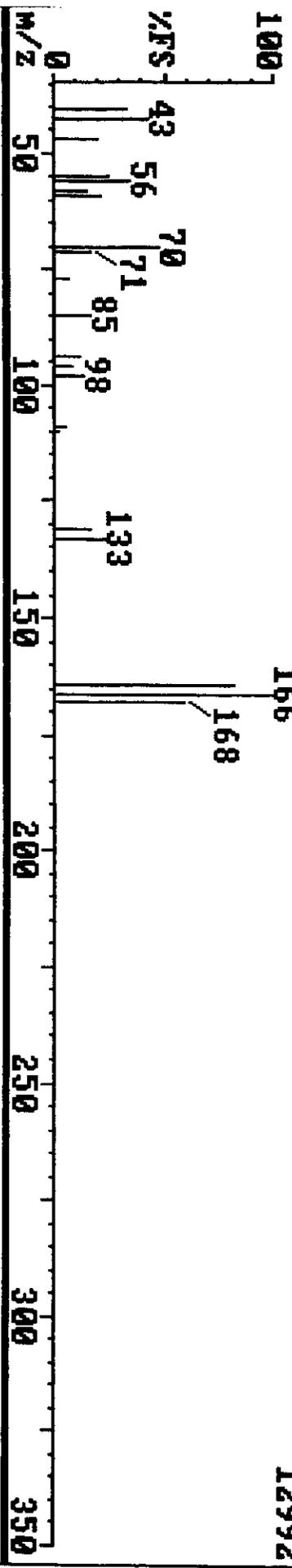
FX975 892 (8.921)

28160



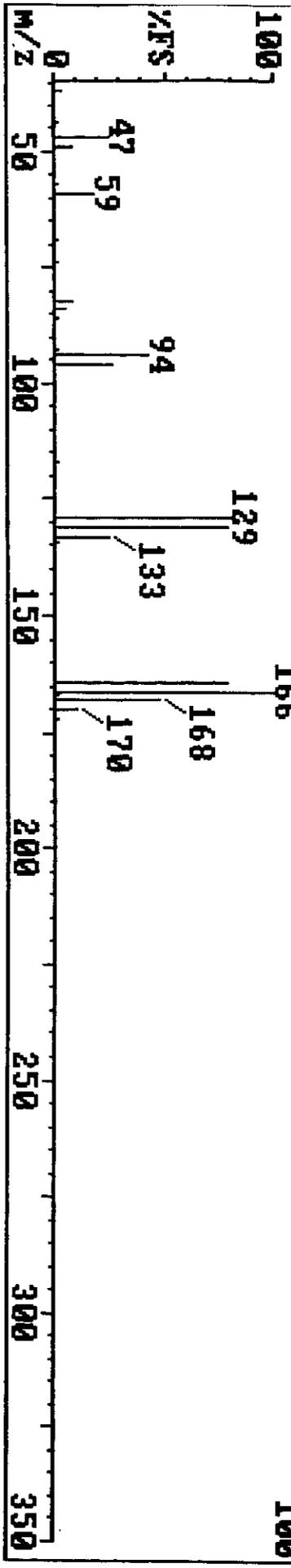
FX975 892 (8.921) REFINE

12992



8260 35 (9.531) Tetrachloroethene

FIND 100



24-Aug-98 09:15

Triangle Laboratories, Inc.

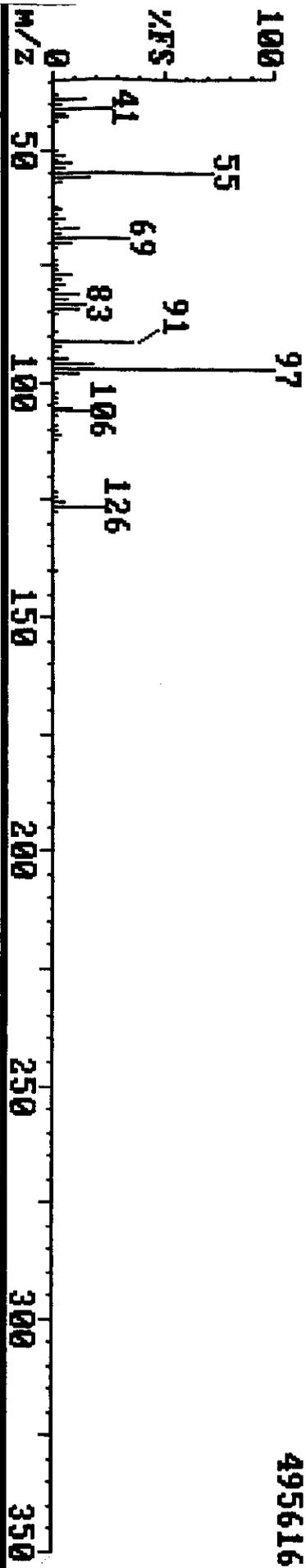
(919) 544-5729

Sample: T-U-2-1-A,B T/TC 214-27-5A,B TL1#46323

Instrument F

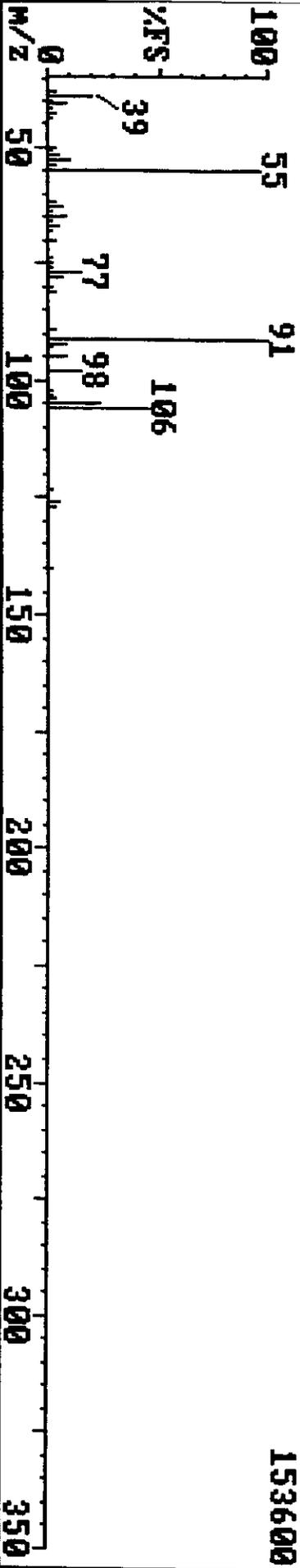
FX975 1093 (10.931)

495616



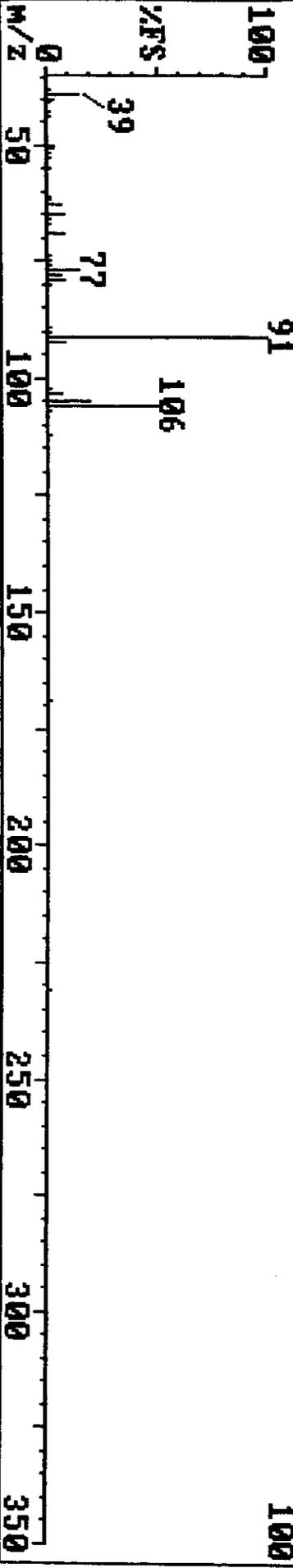
FX975 1093 (10.931) REFINE

153600



8260 42 (11.581) m-p-Xylene

FIND 100



24-Aug-98 09:15

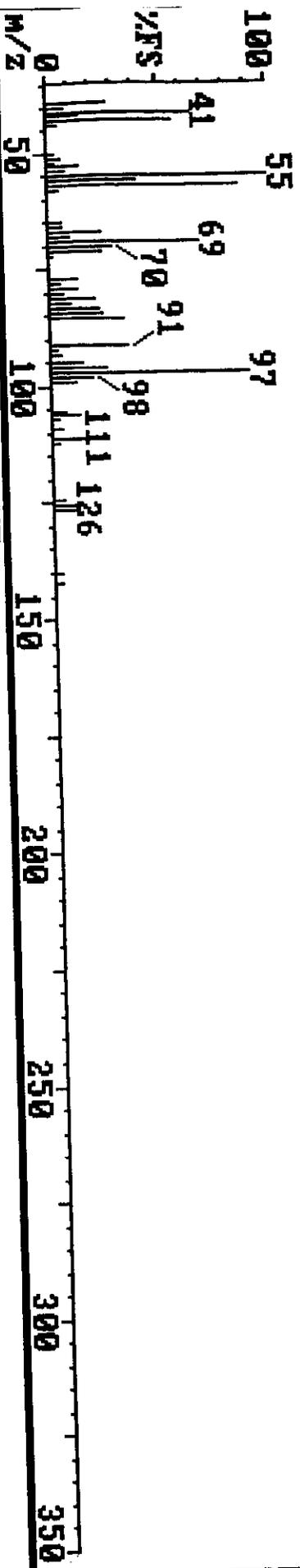
Triangle Laboratories, Inc.

(919) 544-5729

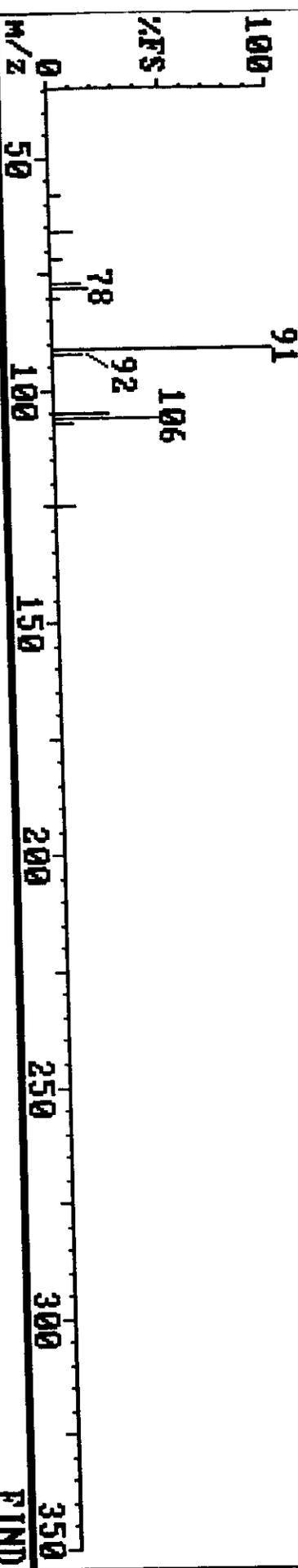
Instrument F

Sample: T-U-2-1-A,B T/TC 214-27-5A,B TL#46323

77824

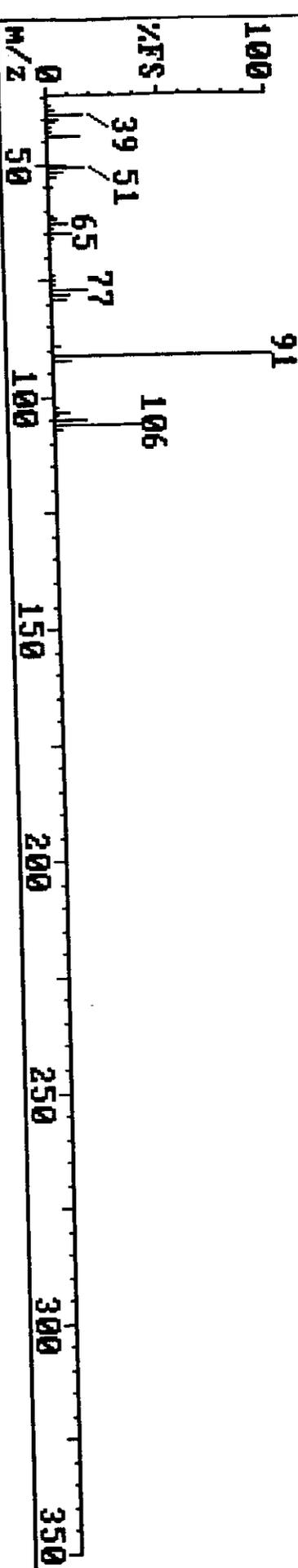


20480

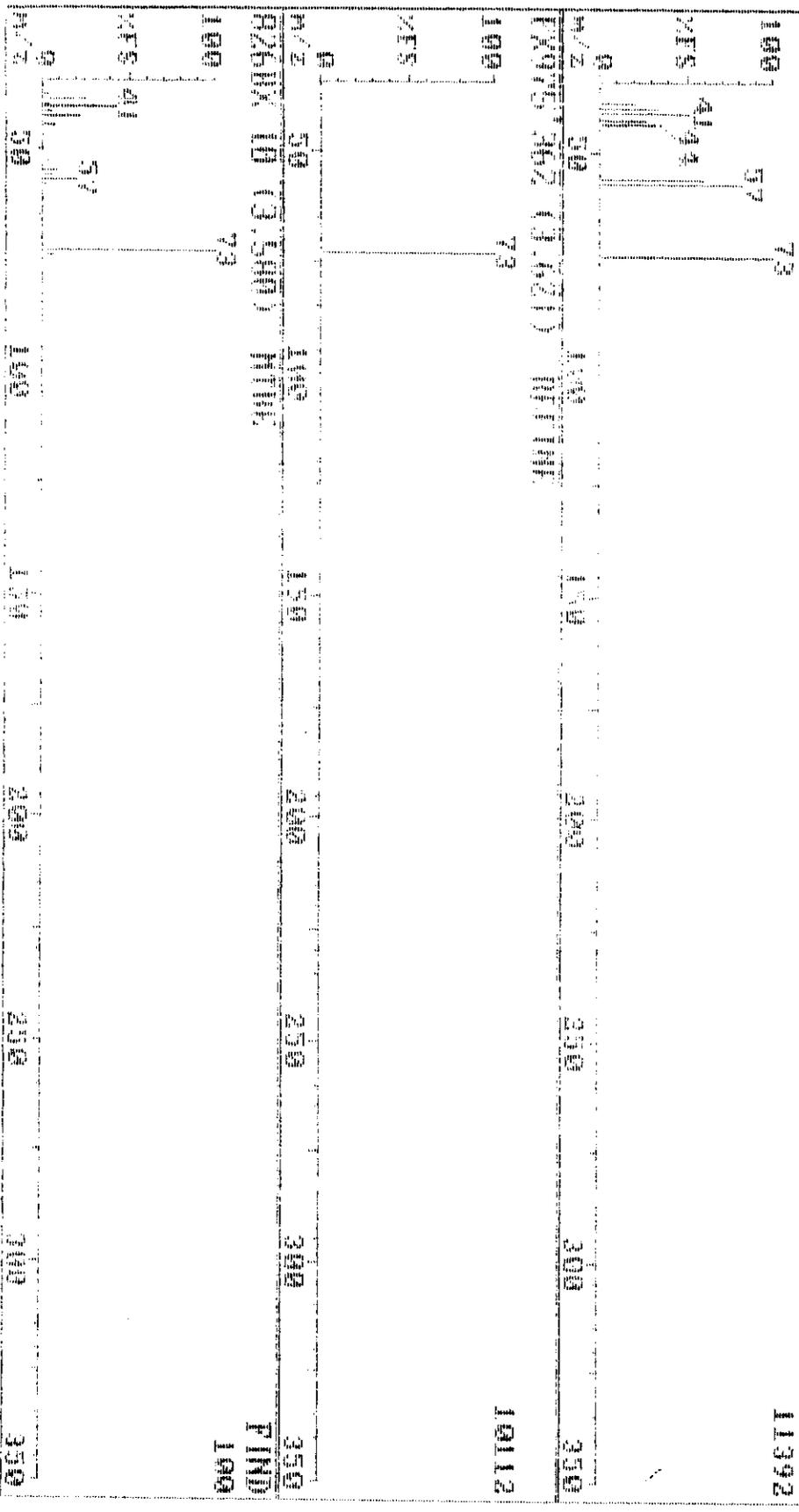


FIND

100



41-999-99 000000
 Sample: T-02-0000
 1975 362 (3.620)



Pacific Environmental Services

Project Number: 46323
Sample File: FX976

Method 8260 VOST
Sample ID: T-V-2-2-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-6A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.32 | | |
| Chloromethane | 0.092 | | 1.09 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.035 | J | 1.66 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.011 | J | 2.07 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.093 | | 2.79 | | 0.05 |
| Acetone | 0.232 | | 2.87 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | | U | | 0.001 | 0.05 |
| Acrylonitrile | | U | | 0.024 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | 0.312 | | 4.74 | | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.09 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.238 | | 5.54 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: FX976

Method 8260 VOST

Sample ID: T-V-2-2-A,B T/TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALF821

TLI ID: 214-27-6A,B

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.007 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.005 | 0.05 |
| Toluene | 0.247 | | 8.12 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.39 | | |
| Tetrachloroethene | 0.035 | J | 8.96 | | 0.05 |
| 2-Hexanone | | U | | 0.010 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.069 | | 10.72 | | 0.05 |
| m-/p-Xylene | 0.428 | | 10.95 | | 0.10 |
| o-Xylene | 0.119 | | 11.68 | | 0.05 |
| Styrene | 0.052 | | 11.73 | | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.81 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 16:49 08/25/1998

Pacific Environmental Services

Project Number: 46323
Sample File: FX976

Method 8260 VOST
Sample ID: T-V-2-2-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-6A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.212 | 5.20 | 1 | 85 |
| Toluene-d ₈ | 0.268 | 8.03 | 2 | 107 |
| 4-Bromofluorobenzene | 0.316 | 12.70 | 2 | 126 |

Reviewed by *PAB* Date 8/25/98

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IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7
Printed: 16:49 08/25/1998

Pacific Environmental Services

Project Number: 46323
Sample File: FX976

Method 8260 VOST
Sample ID: T-V-2-2-A,B T/TC

| | | |
|--------------------------|-------------------------|-------------------------|
| Client Project: R012.001 | Date Received: 07/29/98 | Response File: ICALF824 |
| TLI ID: 214-27-6A,B | Date Analyzed: 08/24/98 | |

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.32 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.022 | J | 3.63 | | 0.25 |
| n-Hexane | 0.176 | J | 3.90 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.029 | 0.25 |
| Iso-Octane | 0.016 | J | 5.70 | | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.09 | | |
| Ethyl acrylate | | U | | 0.008 | 0.25 |

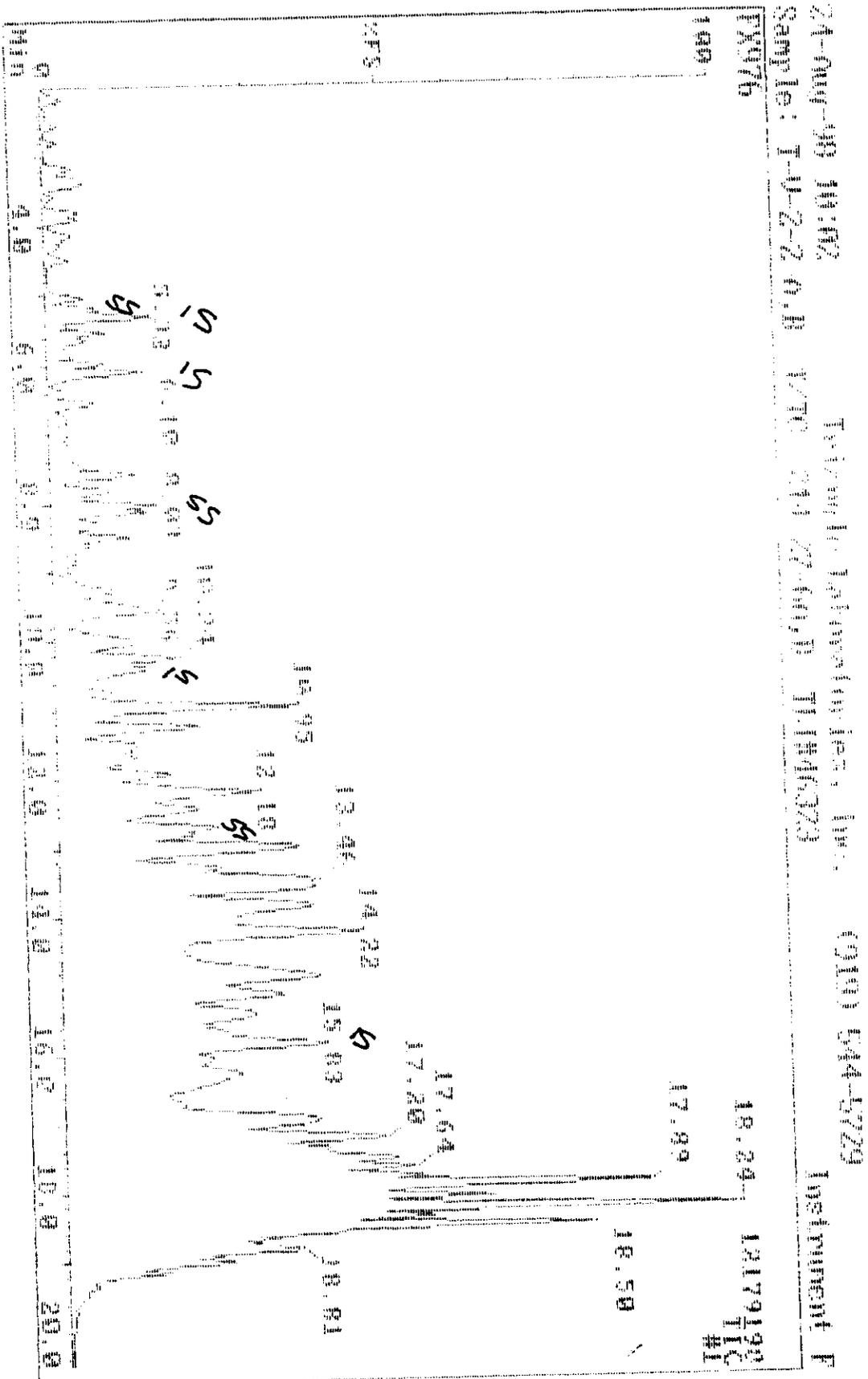
Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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801 Capitola Drive • Durham, North Carolina 27713
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Savar v3.7
Printed: 17:21 08/25/1998



Data Review: PAB
 Date: 8/24/98

| to | net | FOR | REV | Del | ca | Chem | PL | Flags | RT | QTY | Name |
|----|-----|-----|-----|-----|----|---------|----|-------|--------|-----|-------------|
| 1 | 100 | 85 | 36 | 81 | | 1430763 | lb | | 5.131 | 168 | 1,4-Dioxane |
| 2 | 110 | 81 | 34 | 7 | | 1553715 | lb | | 6.000 | 114 | 1,4-Dioxane |
| 3 | 99 | 70 | 37 | 2 | | 1507633 | lb | | 10.000 | 117 | 1,4-Dioxane |
| 4 | 97 | 16 | 36 | 1 | | 1531363 | lb | | 15.000 | 150 | 1,4-Dioxane |
| 5 | 88 | 67 | 37 | 1 | | 1178063 | lb | | 5.000 | 114 | 1,4-Dioxane |
| 6 | 100 | 78 | 35 | | | 1600179 | lb | | 8.000 | 98 | 1,4-Dioxane |
| 7 | 12 | 64 | 39 | 2 | | 1172101 | lb | | 12.000 | 75 | 1,4-Dioxane |
| 8 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 33 | 1,4-Dioxane |
| 9 | 0 | 0 | 0 | 0 | | | | | 0.000 | 50 | 1,4-Dioxane |
| 10 | 0 | 0 | 0 | 0 | | | | | 0.000 | 32 | 1,4-Dioxane |
| 11 | 99 | 27 | 33 | 5 | | 1172101 | lb | | 1.000 | 75 | 1,4-Dioxane |
| 12 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 69 | 1,4-Dioxane |
| 13 | 0 | 0 | 0 | 0 | | | | | 0.000 | 91 | 1,4-Dioxane |
| 14 | 0 | 0 | 0 | 0 | | | | | 0.000 | 98 | 1,4-Dioxane |
| 15 | 0 | 0 | 0 | 0 | | | | | 0.000 | 140 | 1,4-Dioxane |
| 16 | 40 | 63 | 34 | 2 | | 1430763 | lb | | 0.000 | 150 | 1,4-Dioxane |
| 17 | 80 | 40 | 37 | 1 | | 1553715 | lb | | 2.000 | 41 | 1,4-Dioxane |
| 18 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 19 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 20 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 21 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 22 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 23 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 24 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 25 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 26 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 27 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 28 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 29 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 30 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 31 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 32 | 100 | 98 | 39 | 4 | | 1600179 | lb | | 3.500 | 78 | 1,4-Dioxane |
| 33 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 62 | 1,4-Dioxane |
| 34 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 150 | 1,4-Dioxane |
| 35 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 60 | 1,4-Dioxane |
| 36 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 75 | 1,4-Dioxane |
| 37 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 41 | 1,4-Dioxane |
| 38 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 33 | 1,4-Dioxane |
| 39 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 75 | 1,4-Dioxane |
| 40 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 43 | 1,4-Dioxane |
| 41 | 100 | 91 | 30 | 0 | | 209504 | lb | | 8.131 | 92 | Toluene |
| 42 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 75 | Toluene |
| 43 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 97 | Toluene |
| 44 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 69 | Toluene |
| 45 | 91 | 47 | 33 | 0 | | 209504 | lb | | 9.961 | 164 | Toluene |
| 46 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 76 | Toluene |
| 47 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 43 | Toluene |
| 48 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 129 | Toluene |
| 49 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 107 | Toluene |
| 50 | 0 | 0 | 0 | 0 | | 0 | | | 0.000 | 117 | Toluene |

196794 - (M) PAB

117504 - (N) PAB

(P) PAB

(P) PAB

(P) PAB

Data Review: PAB
Date: 8/24/98

| NO. | MAF | FOR | REV | U-1 | LA | Asset | 7 | Flags | RF | Qtr | Plante |
|-----|-----|-----|-----|-----|---------|--------|-------------------------|----------------|--------------------------------|-----|------------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 151 | 1.1.1.1.2 - Term acd in need of re |
| 52 | 0 | 0 | 0 | 0 | 0 | 568178 | lv | | 10.721 | 106 | Friday Island water |
| 53 | 100 | 74 | 95 | -1 | 4226210 | sv | | | 10.951 | 106 | in Jersey bank |
| 54 | 0 | 0 | 0 | 0 | 0 | 287610 | hd | | 11.631 | 106 | in Jersey bank |
| 55 | 0 | 0 | 0 | 0 | 0 | 560928 | lv lv | (M) PAB | 0.000 11.731 | 104 | 2000000 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 173 | Academy Program |
| 57 | 1 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 105 | 1000000 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 83 | 1.1.1.1.2 - Term acd in need of re |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 156 | Academy Program |
| 60 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 75 | 1.1.1.1.1 - Term acd in need of re |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 129 | Academy Program |
| 62 | 50 | 10 | 77 | -32 | 700000 | lv | | | 52.421 | 71 | Academy Program |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 65 | 40 | 0 | 31 | -32 | 1000000 | lv | | | 13.421 | 106 | Academy Program |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 67 | 40 | 0 | 0 | 0 | 1000000 | lv | | | 13.421 | 106 | Academy Program |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 69 | 70 | 0 | 0 | 0 | 4000000 | lv | | | 10.421 | 106 | Academy Program |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 72 | 20 | 0 | 0 | 0 | 1000000 | lv | | | 2.421 | 106 | Academy Program |
| 73 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 76 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 77 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 78 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |
| 79 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 | Academy Program |

| Line | Rate |
|------|------|------|------|------|------|------|------|------|------|
| 1 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 2 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 3 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 4 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 5 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 6 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 7 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 8 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 9 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 10 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 11 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 12 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 13 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 14 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

SP PAR

SP PAR

SP PAR

24-Aug-98 10:02

Triangle Laboratories, Inc.

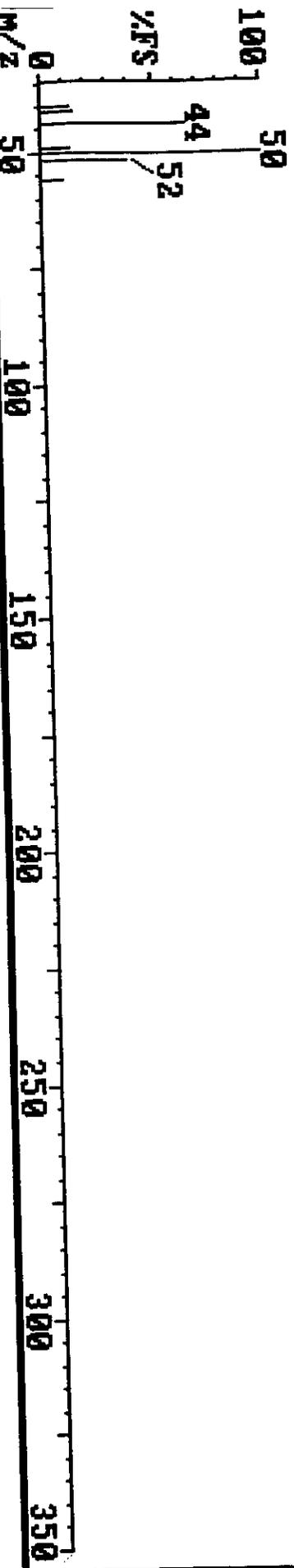
(919) 544-5729

Instrument F

Sample: T-U-2-2-A,B T/TC 214-27-6A,B TL1#46323

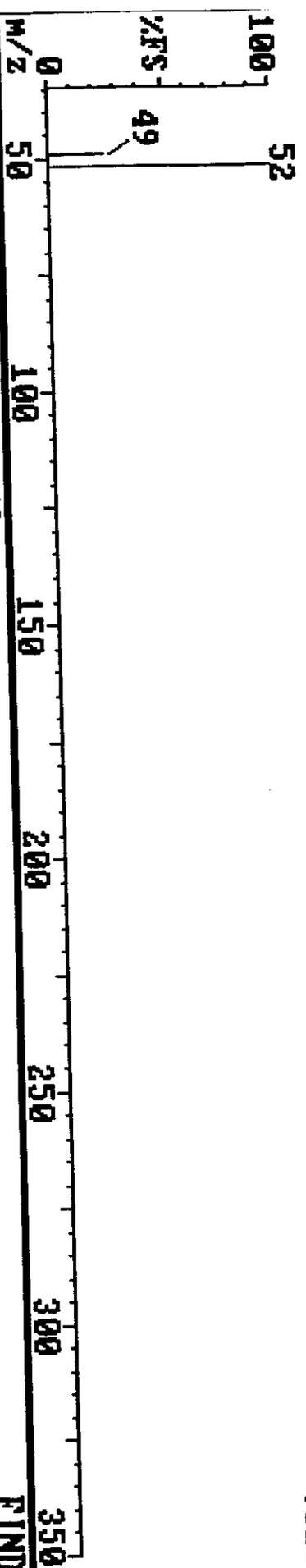
FY976 109 (1.090)

27136



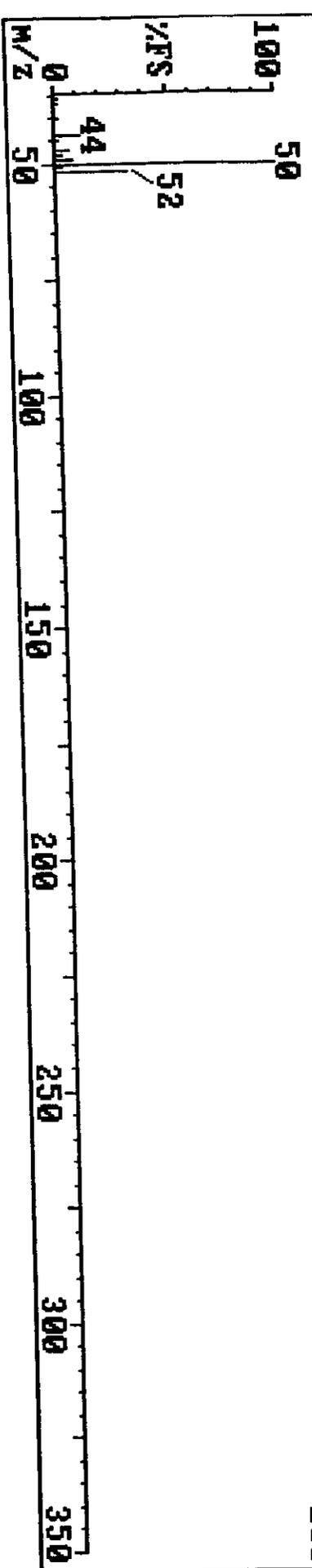
FY976 109 (1.091) REFINE

7616



8260 9 (1.230) Chloromethane

FIND 100



24-44-92 0002 11264-5720

24-44-92 0002 11264-5720

24-44-92 0002 11264-5720

24-44-92 0002 11264-5720

24-44-92 0002 11264-5720

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24-44-92 0002 11264-5720

24-Aug-98 10:02

Triangle Laboratories, Inc.

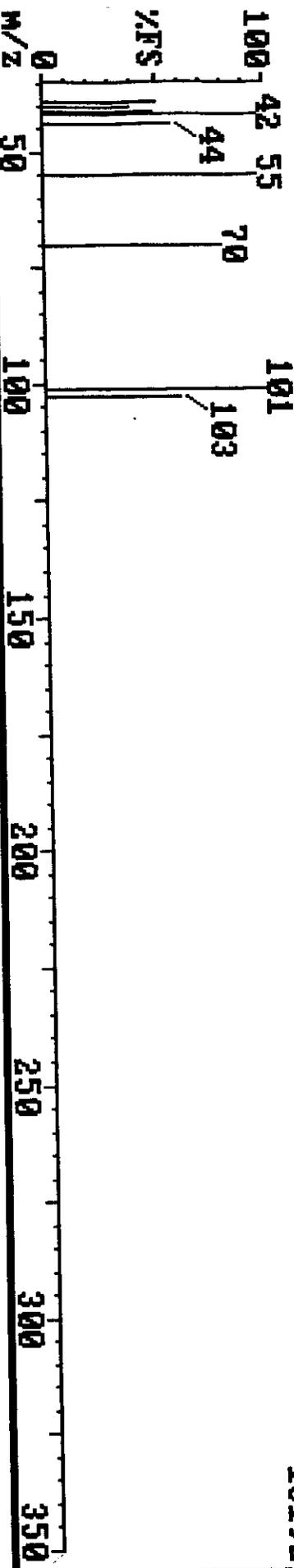
(919) 544-5729

Sample: T-U-2-2-A,B T/TC 214-27-6A,B TL1#46323

Instrument F

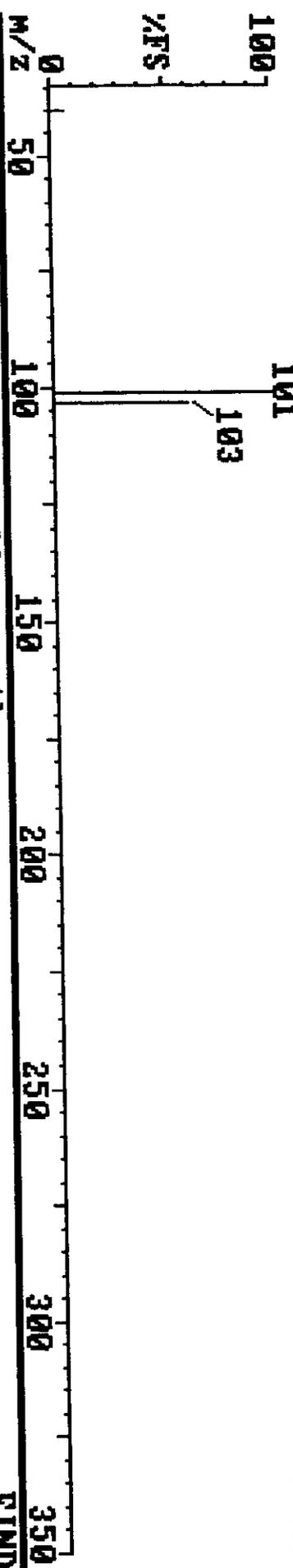
FX976 207 (2.070)

16192



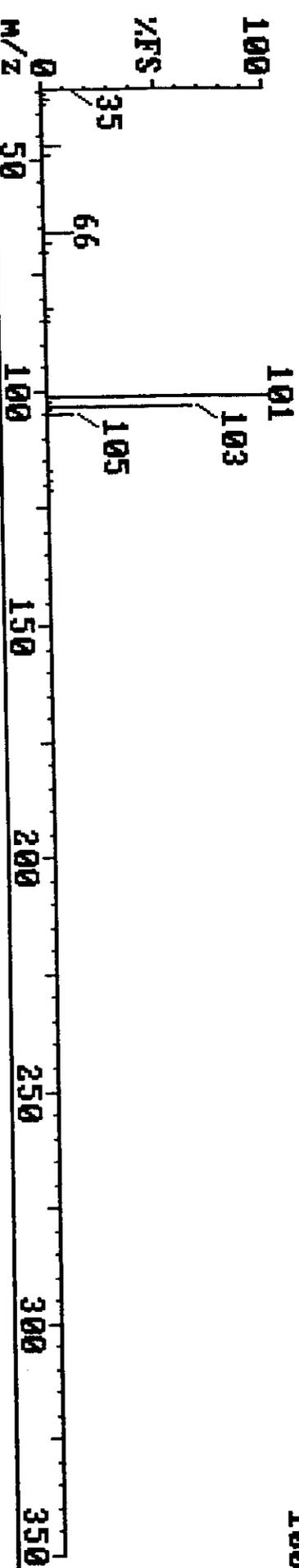
FX976 207 (2.071) REFINE

16192



B260 13 (2.300) Trichlorofluoromethane

FIND 100



24-MAY-90 10:02 F. J. ... (000) 544-5720

Sample: T 0-2-2-A ...

1986 79 (2.700) ...

100 75 171488

75

100 75

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24-Aug-98 10:12

Sample: T-02-2-00

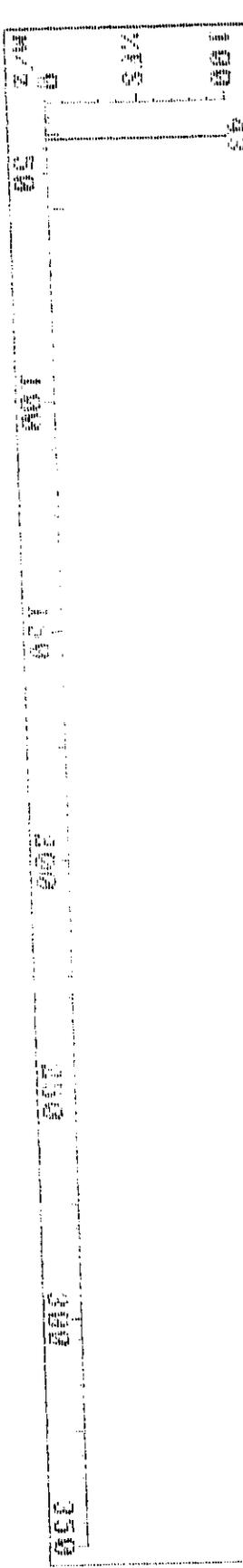
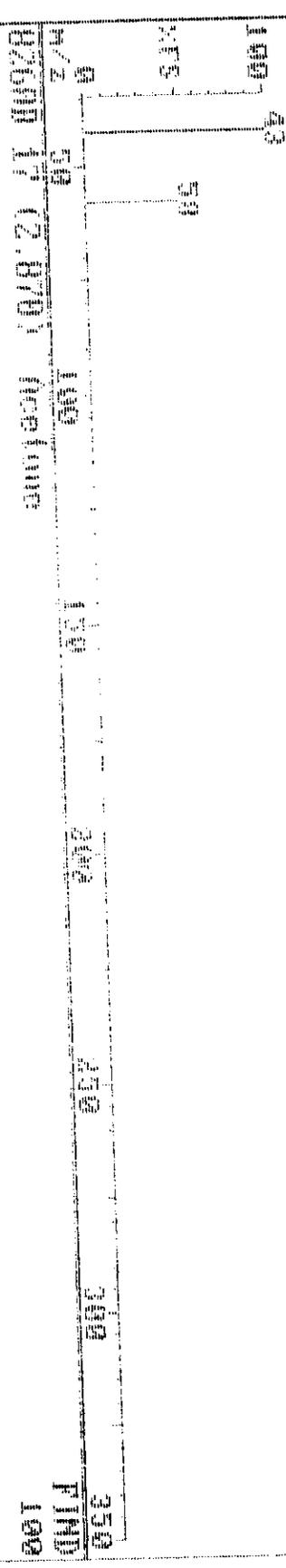
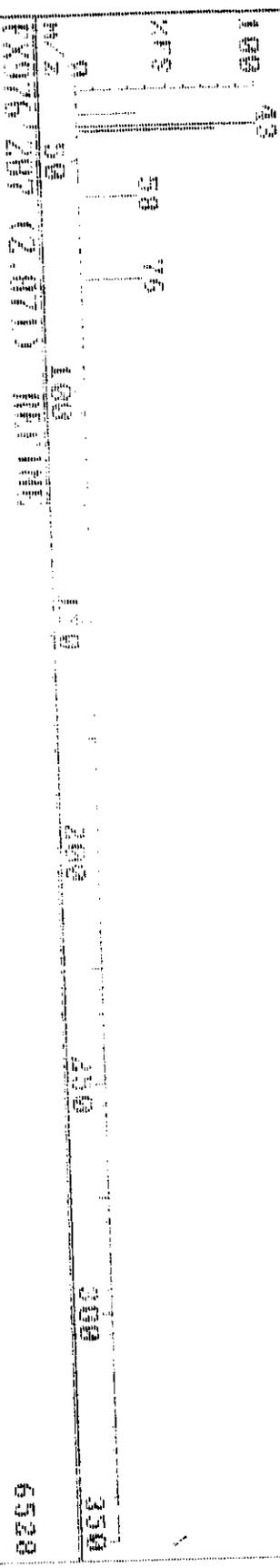
170 200 250 300

Instrument 1

090 54-570

10976 207 (2.870)

8576



21-Aug-90 10:02

TRIPLE DEVIATIONS, INC.

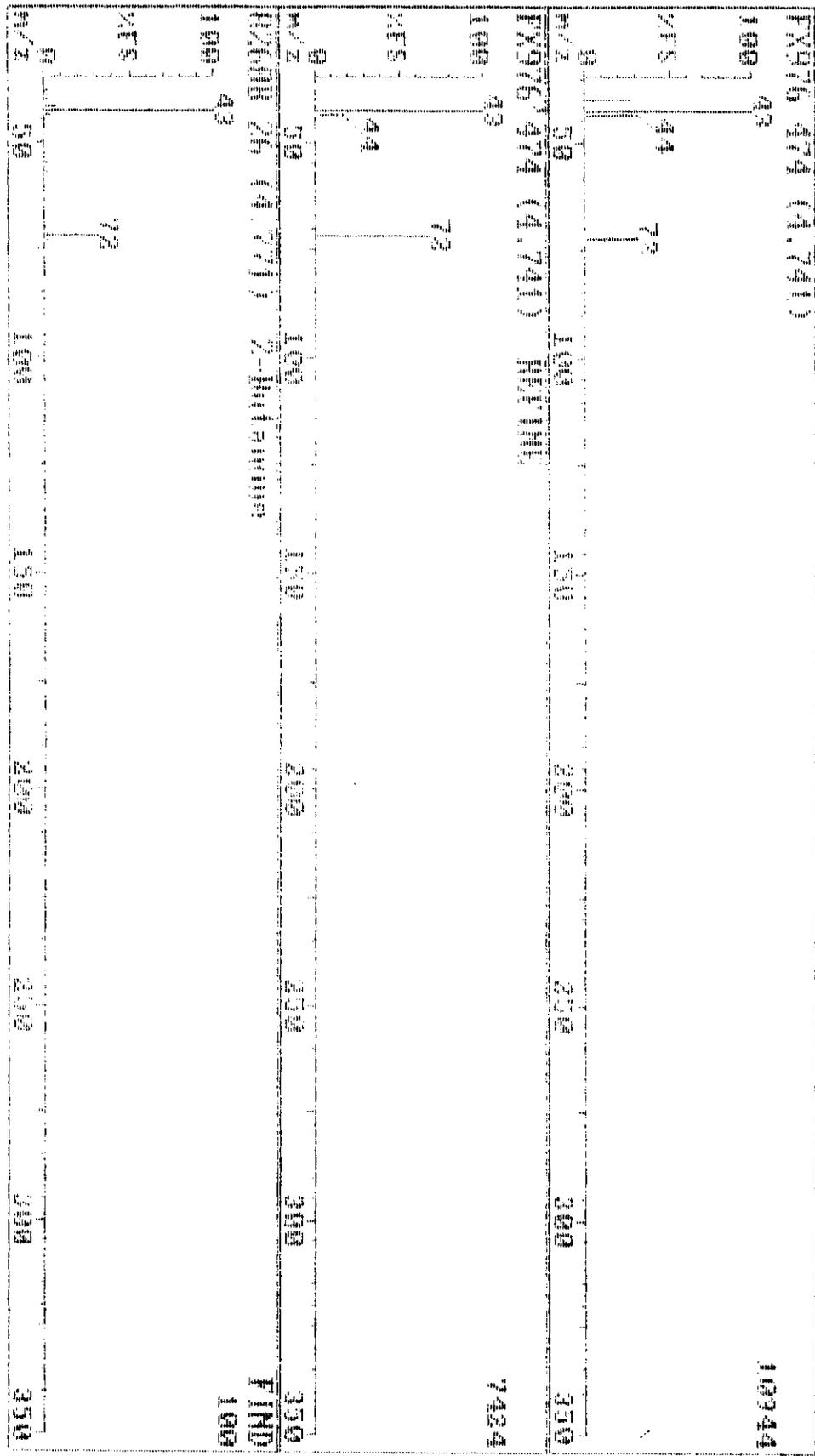
(919) 544-5729

Sample: 14-2-2-A.P. TRIP 14-27-90.8.11040323

Instrument: P

FW76 474 (4.74)

10344



FW76 474 (4.74) FWHM

7424

FW76 474 (4.74) FWHM

7424

m/z 44 72 98 100 130 150 200 250 300 350

24-Aug-98 10:02

Triangle Laboratories, Inc.

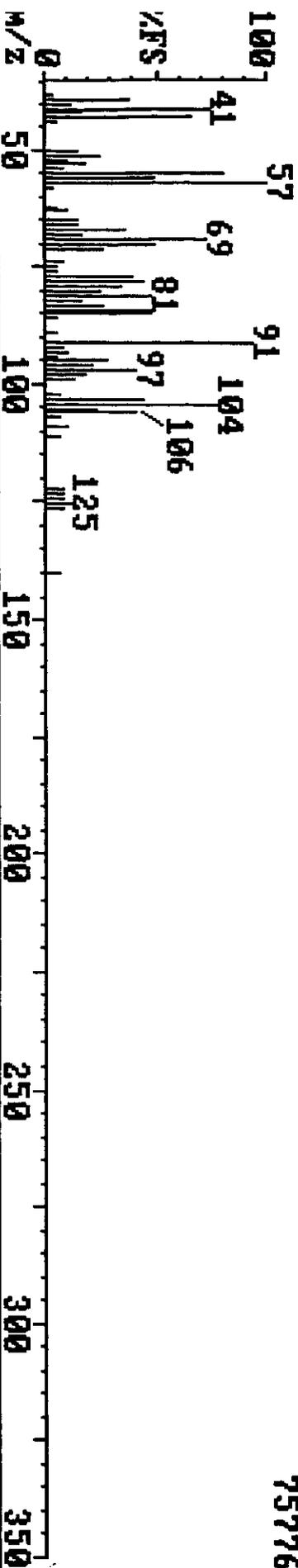
(919) 544-5729

Sample: T-U-2-2-A,B T/TC 214-27-6A,B TL#46323

Instrument F

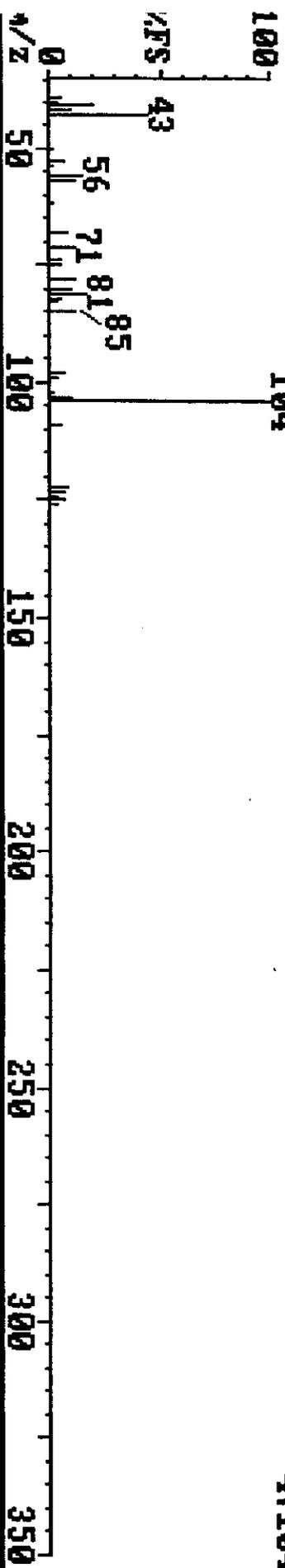
FX976 1173 (11.731)

75776



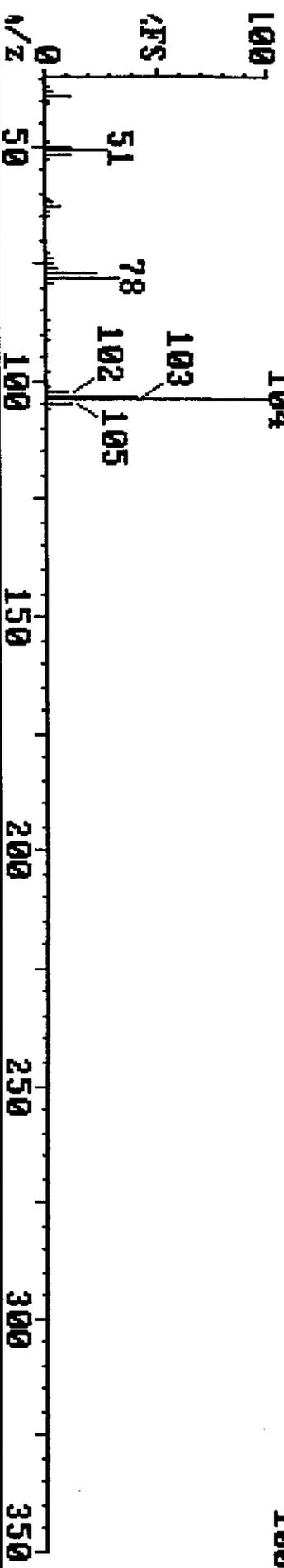
FX976 1173 (11.731) REFINE

47104



3260 44 (12.371) Styrene

FIND 100



| NO. | DESCRIPTION | AMOUNT | DATE | INITIALS |
|-----|-------------|--------|------|----------|
| 1 | ... | ... | ... | ... |
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| 98 | ... | ... | ... | ... |
| 99 | ... | ... | ... | ... |
| 100 | ... | ... | ... | ... |

24-Aug-98 10:02

Triangle Laboratories, Inc.

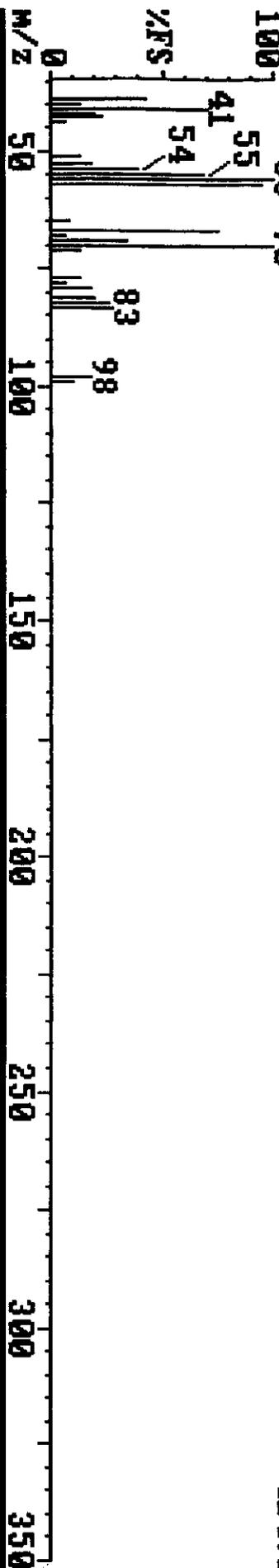
(919) 544-5729

Sample: T-U-2-2-A,B T/TC 214-27-6A,B TL1#46323

Instrument F

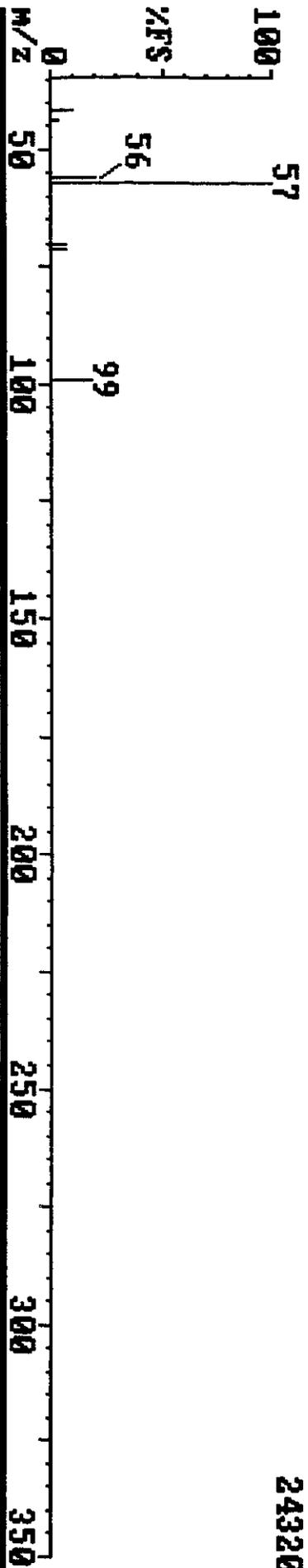
FY976 570 (5.701)

41472



FY976 570 (5.701) REFINE

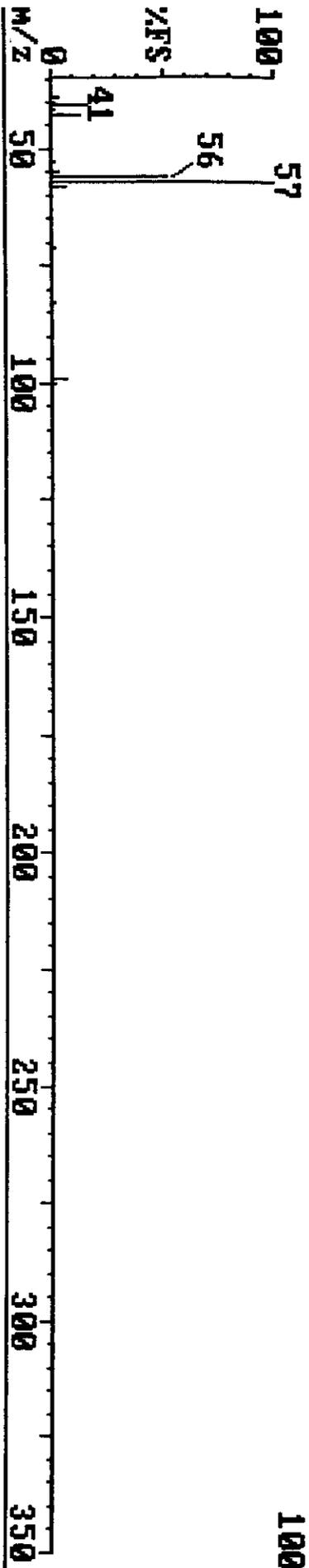
24320



MASTER 32 (6.110) Isooctane

FIND

100



Pacific Environmental Services

Project Number: 46323
 Sample File: FX977

Method 8260 VOST
 Sample ID: T-V-2-3-A,B T/TC

| | | |
|--------------------------|-------------------------|-------------------------|
| Client Project: R012.001 | Date Received: 07/29/98 | Response File: ICALF821 |
| TLI ID: 214-27-7A,B | Date Analyzed: 08/24/98 | |

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | 0.042 | J | 1.08 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.035 | J | 2.05 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.026 | J | 2.77 | | 0.05 |
| Acetone | 0.137 | | 2.87 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.081 | | 3.26 | | 0.05 |
| Acrylonitrile | | U | | 0.021 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | 0.161 | | 4.73 | | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.06 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.156 | | 5.51 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
Sample File: FX977

Method 8260 VOST
Sample ID: T-V-2-3-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-7A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.005 | 0.05 |
| Toluene | 0.218 | | 8.08 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₃ | | IS 3 | 10.33 | | |
| Tetrachloroethene | 0.035 | J | 8.92 | | 0.05 |
| 2-Hexanone | | U | | 0.008 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.050 | | 10.66 | | 0.05 |
| m-/p-Xylene | 0.255 | | 10.89 | | 0.10 |
| o-Xylene | 0.088 | | 11.62 | | 0.05 |
| Styrene | 0.038 | J | 11.68 | | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.70 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
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Savar v3.7
 Printed: 16:49 08/25/1998

Pacific Environmental Services

Project Number: 46323
Sample File: FX977

Method 8260 VOST
Sample ID: T-V-2-3-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-7A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed: 08/24/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.208 | 5.17 | 1 | 83 |
| Toluene-d ₈ | 0.261 | 7.99 | 2 | 104 |
| 4-Bromofluorobenzene | 0.297 | 12.64 | 2 | 119 |

Reviewed by

PAB

Date

8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7
Printed: 16:49 08/25/1998

Pacific Environmental Services

Project Number: 46323

Sample File: FX977

Method 8260 VOST

Sample ID: T-V-2-3-A,B T/TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALF824

TLI ID: 214-27-7A,B

Date Analyzed: 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.039 | J | 3.60 | | 0.25 |
| n-Hexane | 0.145 | J | 3.88 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.025 | 0.25 |
| Iso-Octane | 0.019 | J | 5.66 | | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.06 | | |
| Ethyl acrylate | | U | | 0.007 | 0.25 |

Reviewed by

PAB

Date *8/25/98*

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7

Printed: 17:21 08/25/1998

290

87

| NO | BAI | FOR | REV | DATE | QUAN | UNIT | PRICE | AMOUNT | DESCRIPTION |
|----|-----|-----|-----|------|--------|------|-------|--------|-----------------------|
| 1 | 100 | 99 | 97 | 83 | 324011 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 2 | 100 | 99 | 98 | 84 | 325051 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 3 | 100 | 99 | 99 | 85 | 325111 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 4 | 84 | 21 | 83 | 84 | 3470 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 5 | 100 | 99 | 99 | 86 | 325052 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 6 | 100 | 83 | 75 | 81 | 42 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 7 | 99 | 99 | 99 | 87 | 325112 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 8 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 9 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 10 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 11 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 12 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 13 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 14 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 15 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 16 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 17 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 18 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 19 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 20 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 21 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 22 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 23 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 24 | 02 | 99 | 99 | 87 | 325113 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 25 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 26 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 27 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 28 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 29 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 30 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 31 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 32 | 100 | 99 | 99 | 88 | 3470 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 33 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 34 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 35 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 36 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 37 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 38 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 39 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 40 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 41 | 100 | 99 | 99 | 89 | 3470 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 42 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 43 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 44 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 45 | 99 | 99 | 99 | 90 | 3470 | lb | 0.000 | 0.000 | 1,1,1-Trichloroethane |
| 46 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 47 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 48 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 49 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |
| 50 | 0 | 0 | 0 | 0 | | | 0.000 | 0.000 | |

102440 - (M) PAB → 1.08

128512 - (M) PAB → 2.05

336352 - (M) PAB → 326

Keep PAB

(M) PAB

(M) PAB

(M) PAB

Data Review: PAB
Date: 8/24/98

24-Aug-98 10:49

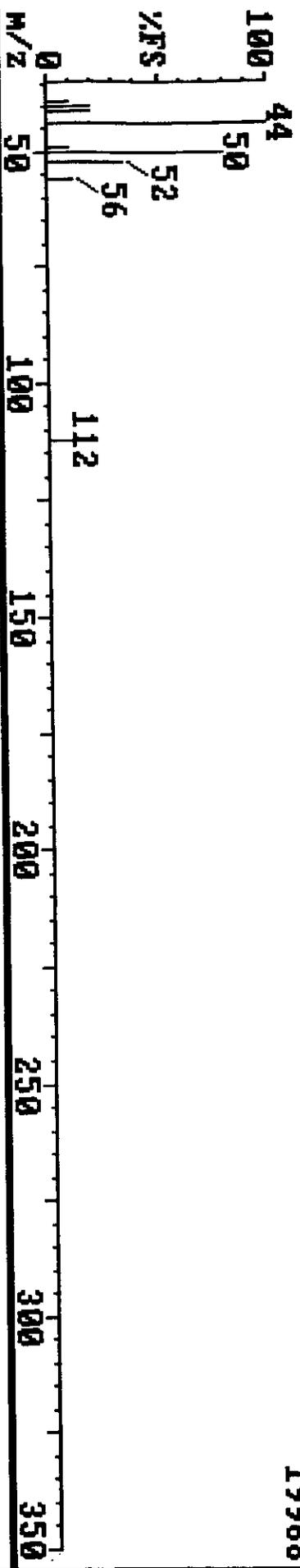
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-2-3-A,B T/TC 214-27-7A,B TL#46323

Instrument F

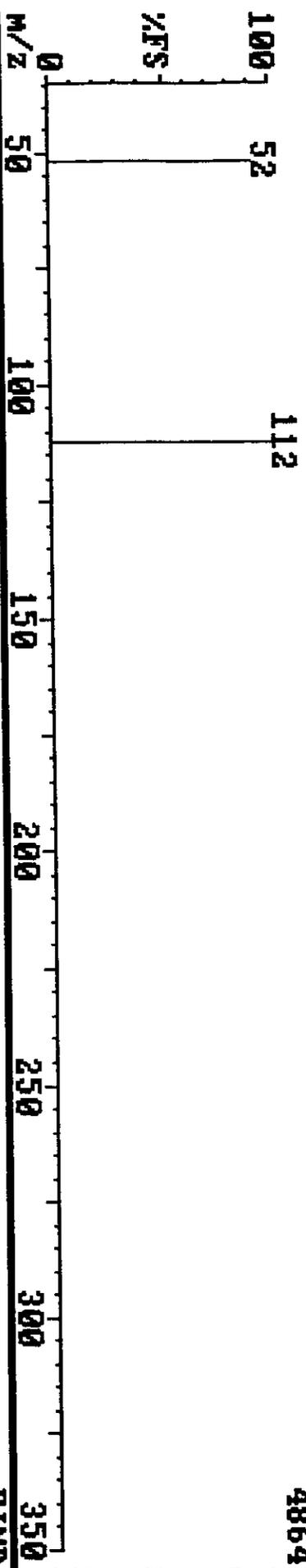
FX977 108 (1.080)

19968



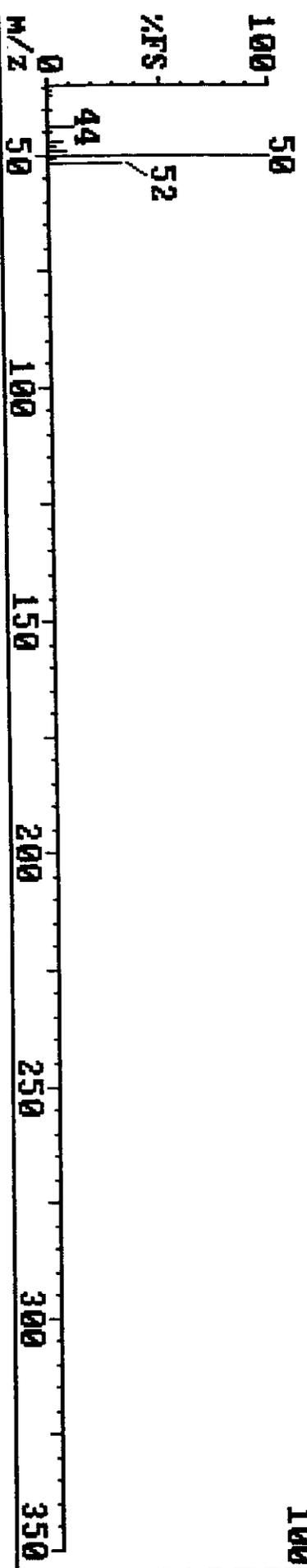
FX977 108 (1.081) REFINE

4864



8260 9 (1.230) Chloromethane

FIND
100



24-Aug-98 10:49

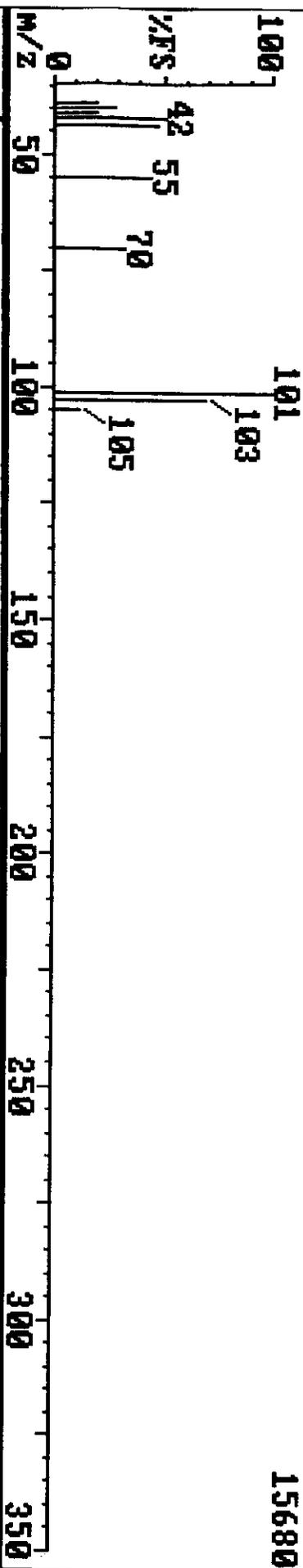
Triangle Laboratories, Inc.

(919) 544-5729

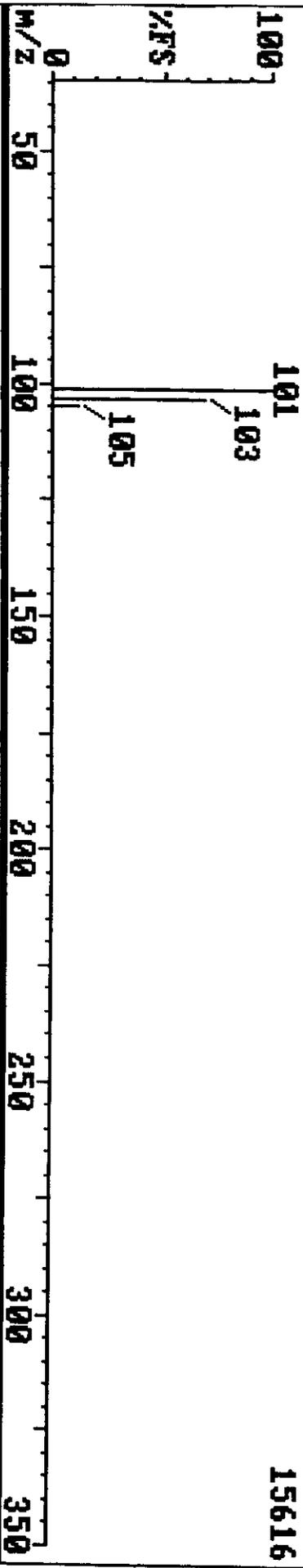
Sample: T-U-2-3-A,B T/TC 214-27-7A,B TL#46323

Instrument F

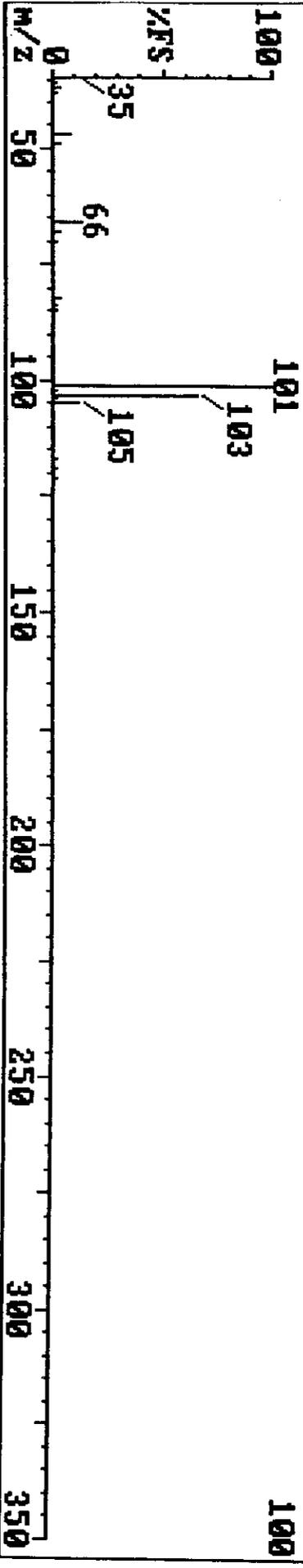
FX977 205 (2.050)



FX977 205 (2.051) REFINE



MASTER 15 (2.330) Trichlorofluoromethane



24-Aug-98 10:49

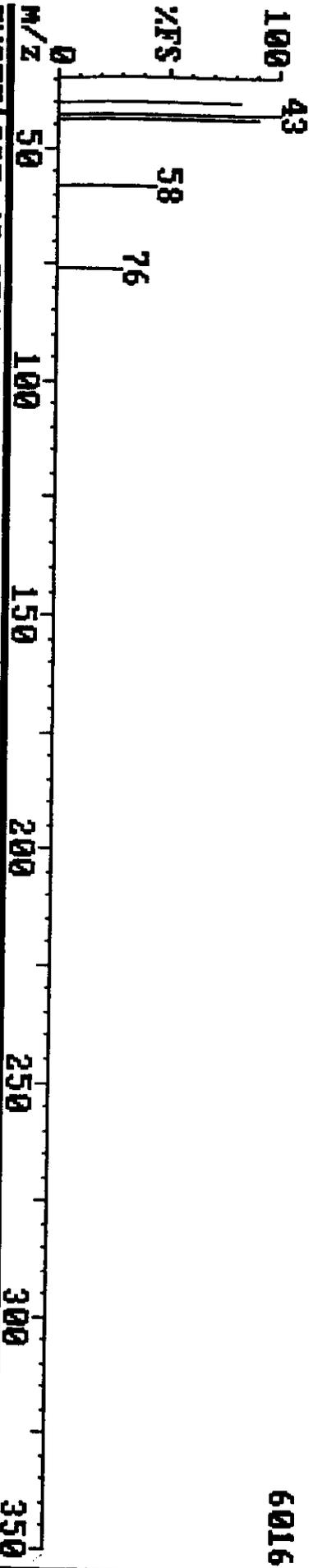
Triangle Laboratories, Inc.

(919) 544-5729

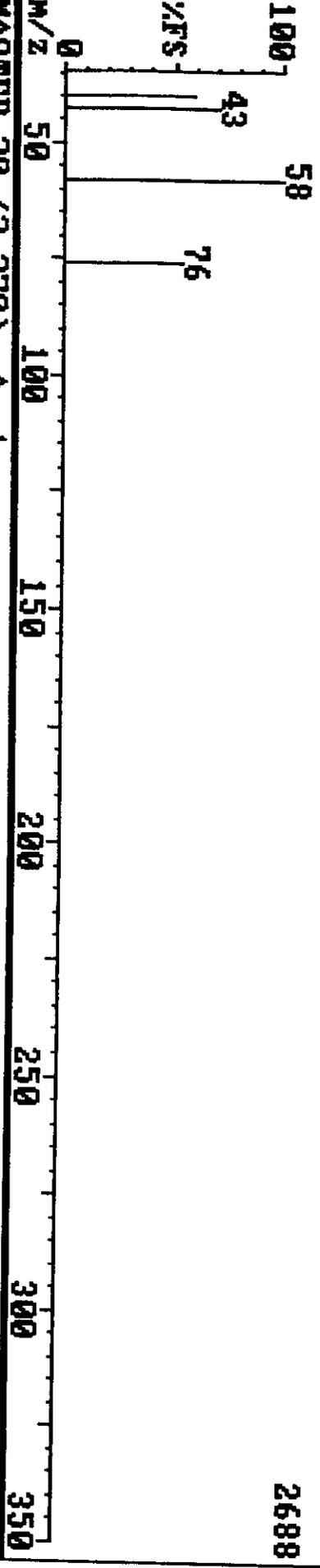
Sample: T-U-2-3-A,B T/TC 214-27-7A,B TL1#46323

Instrument F

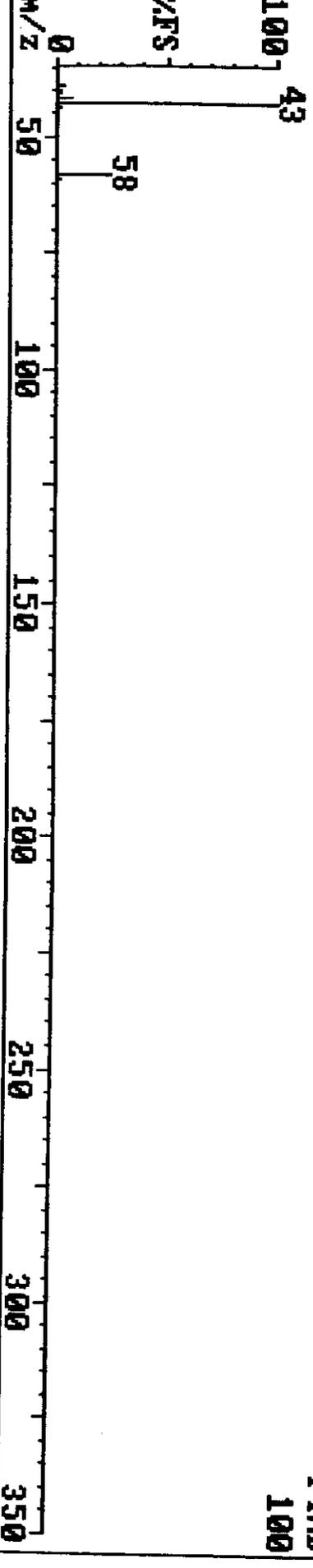
FX977 285 (2.850)



FX977' 285 (2.851) REFINE



MASTER 20 (3.370) Acetone



24-Aug-98 10:49

Triangle Laboratories, Inc.

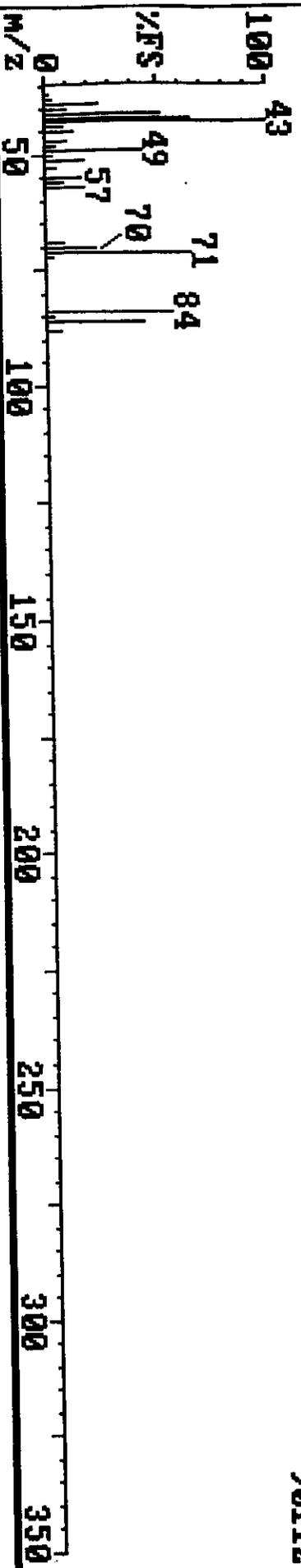
(919) 544-5729

Sample: T-U-2-3-A,B T/TC 214-27-7A,B TL1#46323

Instrument F

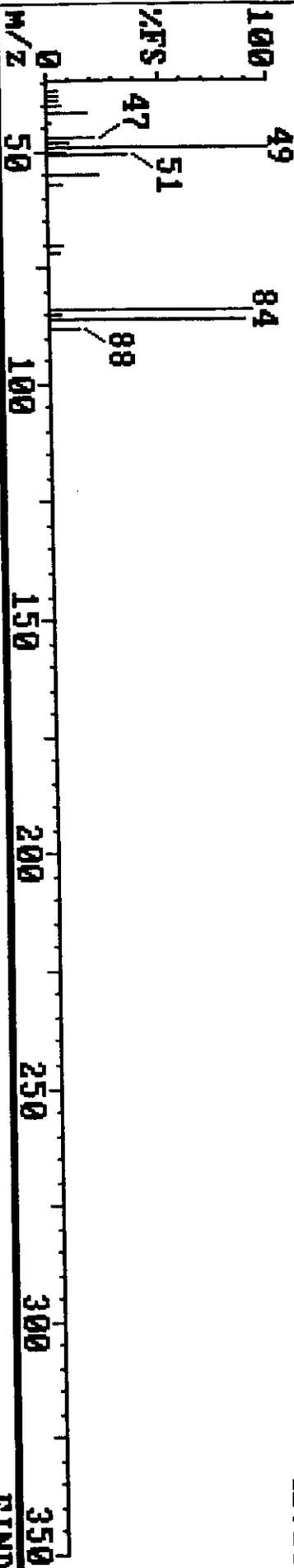
FY977 326 (3.260)

90112



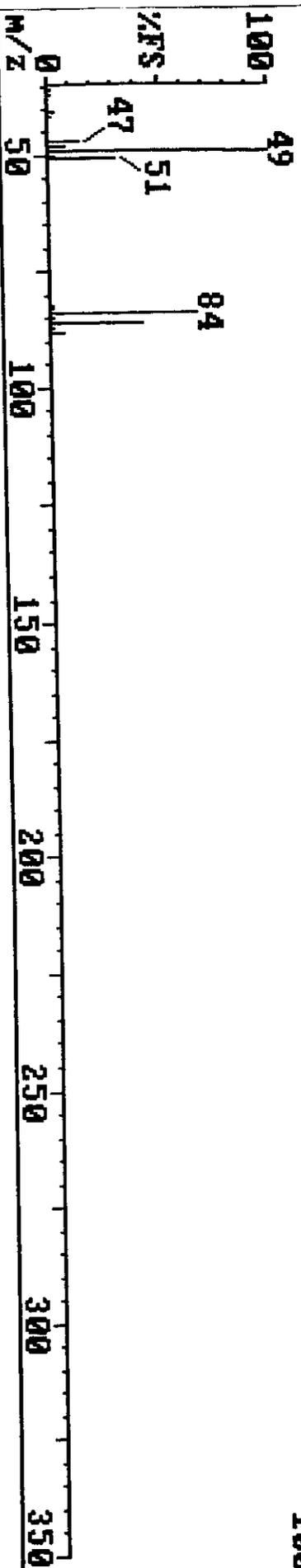
FY977 326 (3.261) REFINE

41728



8260 15 (3.550) Methylene chloride

FIND 100



24-Aug-99 08:49

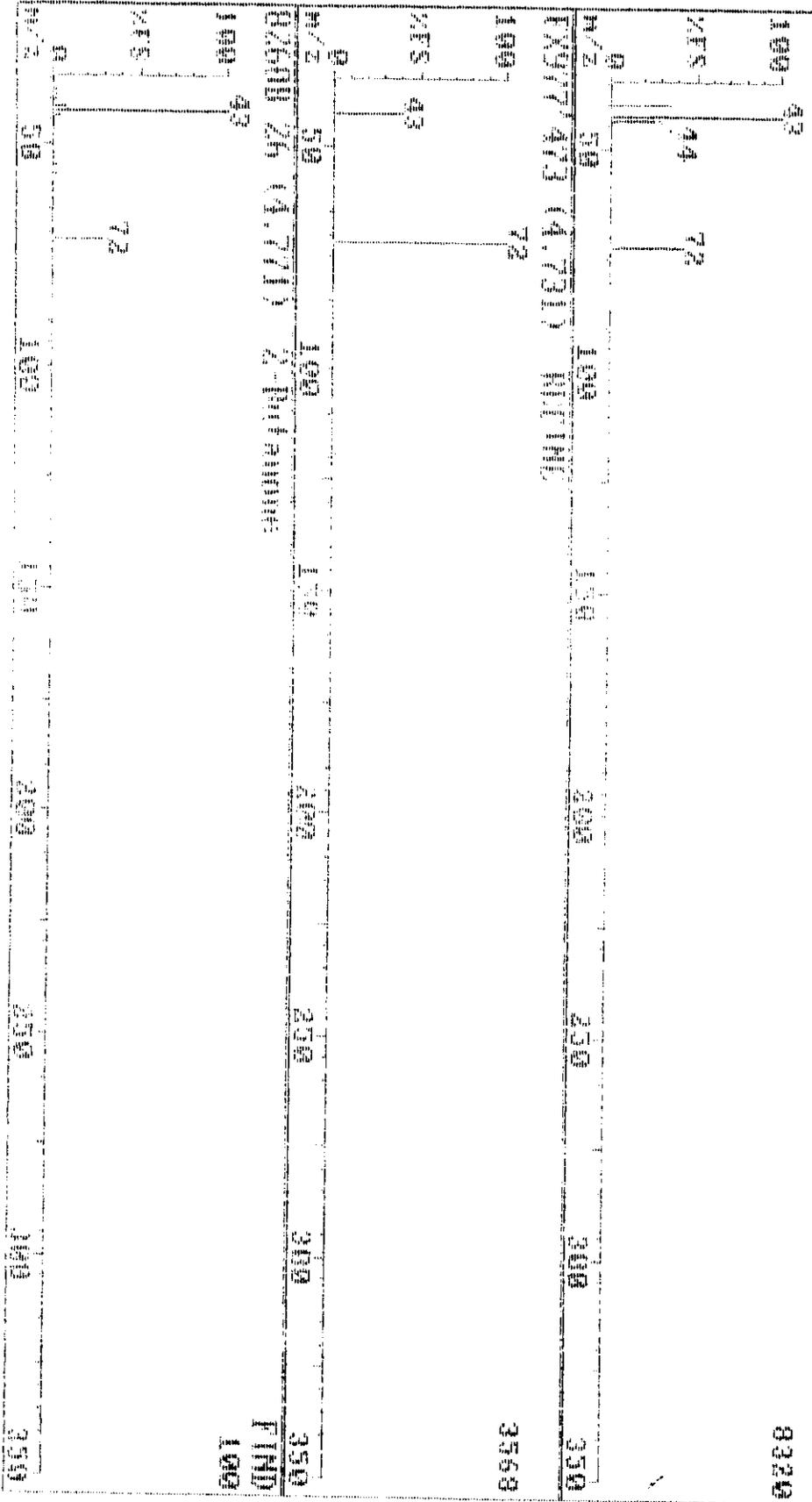
Flint Hills Laboratories, Inc.

0010 04-0229

Sample: T-U 23-000 170 11/27/01 11/14/02

Instrument F

EX97 473 (4.73)



8320

EX97 473 (4.73) 100%

350

3569

EX97 473 (4.73) 200%

350

FIND 100

EX97 473 (4.73) 300%

350

2000-00-00

2000-00-00

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2000-00-00

2000-00-00

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Instrument F

667648

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24-000 00 0000
 Sample: 24-2-2-00
 2007 0000 00000

Instrument F

| WZ | 50 | 100 | 150 | 200 | 250 | 300 | 350 |
|------|----------|-----|-----|-----|-----|-----|--------|
| 1000 | | | | | | | 170464 |
| WFS | 57 69 77 | | | | | | |
| WZ | 50 | 100 | 150 | 200 | 250 | 300 | 350 |
| 1000 | | | | | | | 165000 |
| WFS | | | | | | | |
| WZ | 50 | 100 | 150 | 200 | 250 | 300 | 350 |
| 1000 | | | | | | | 170464 |
| WFS | 57 69 77 | | | | | | |
| WZ | 50 | 100 | 150 | 200 | 250 | 300 | 350 |
| 1000 | | | | | | | 165000 |
| WFS | | | | | | | |

14-Aug-98 10:49

Triangle Laboratories, Inc.

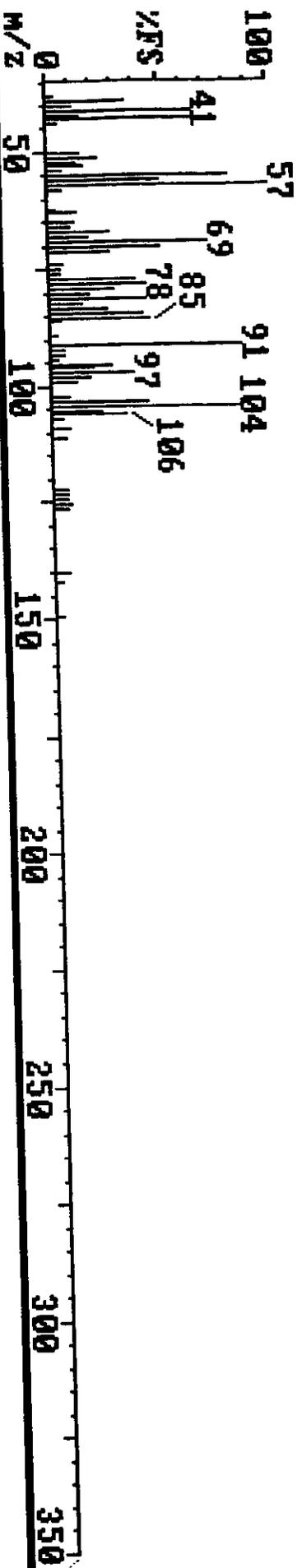
(919) 544-5729

Instrument F

Sample: T-U-2-3-A,B T/TC 214-27-7A,B TL1#46323

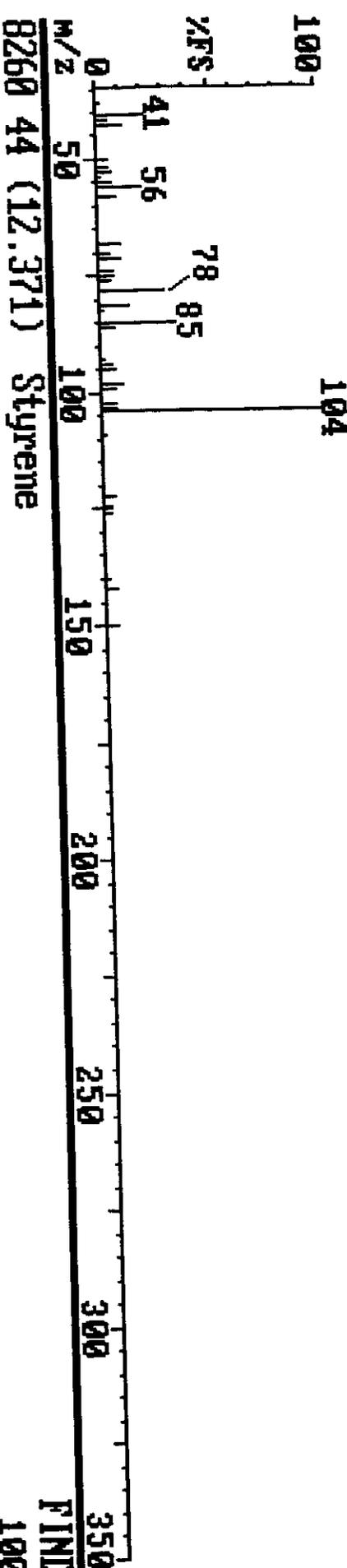
59136

FX977 1168 (11.681)

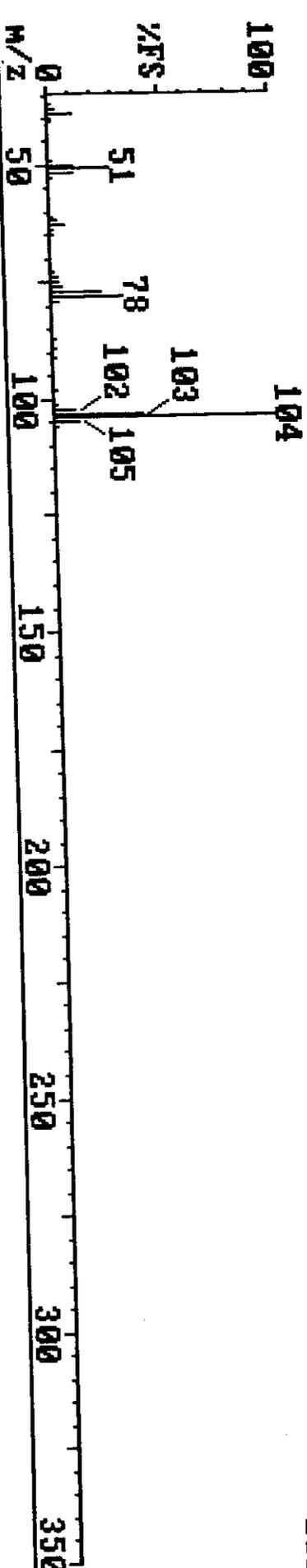


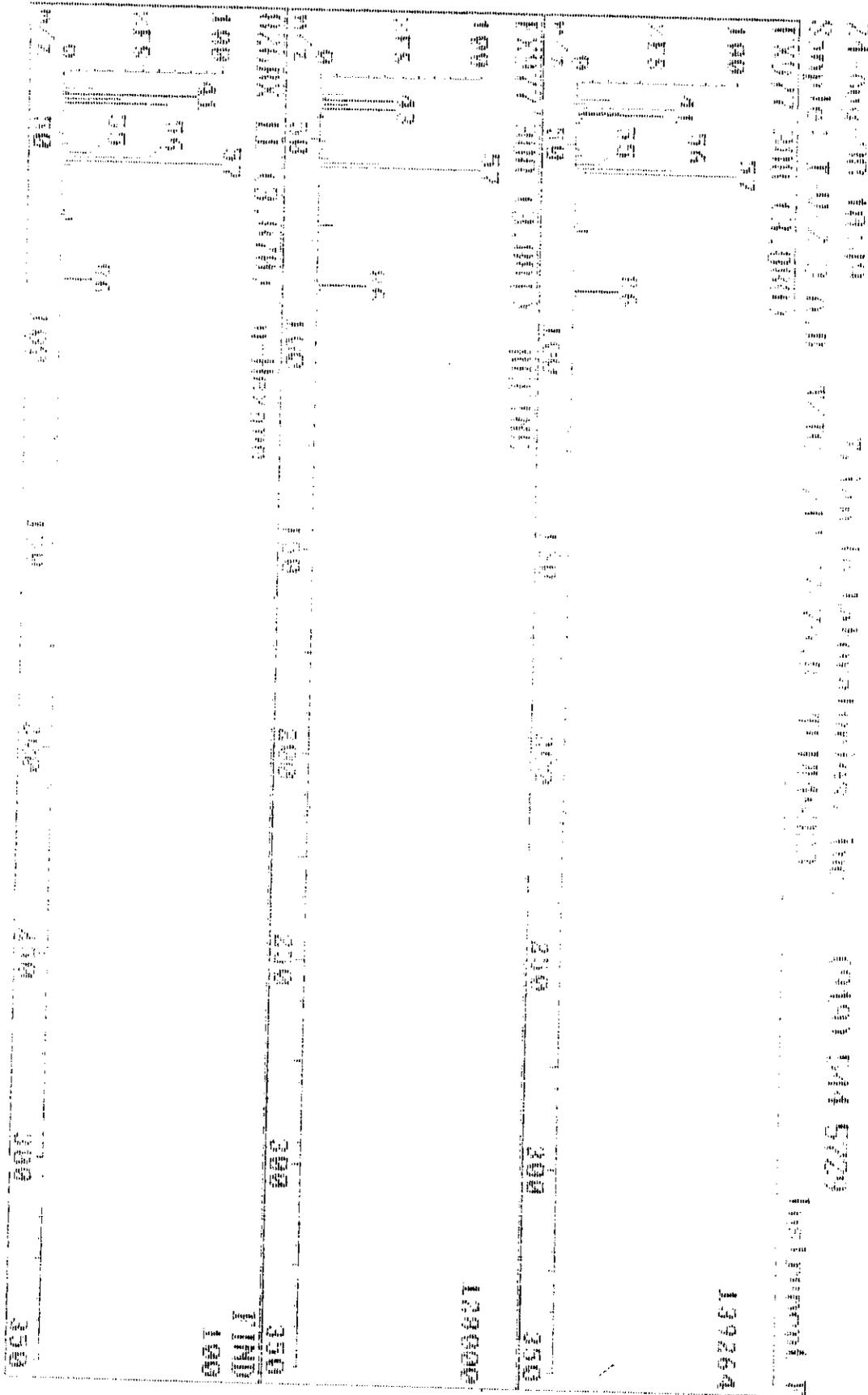
FX977 1168 (11.681) REFINE

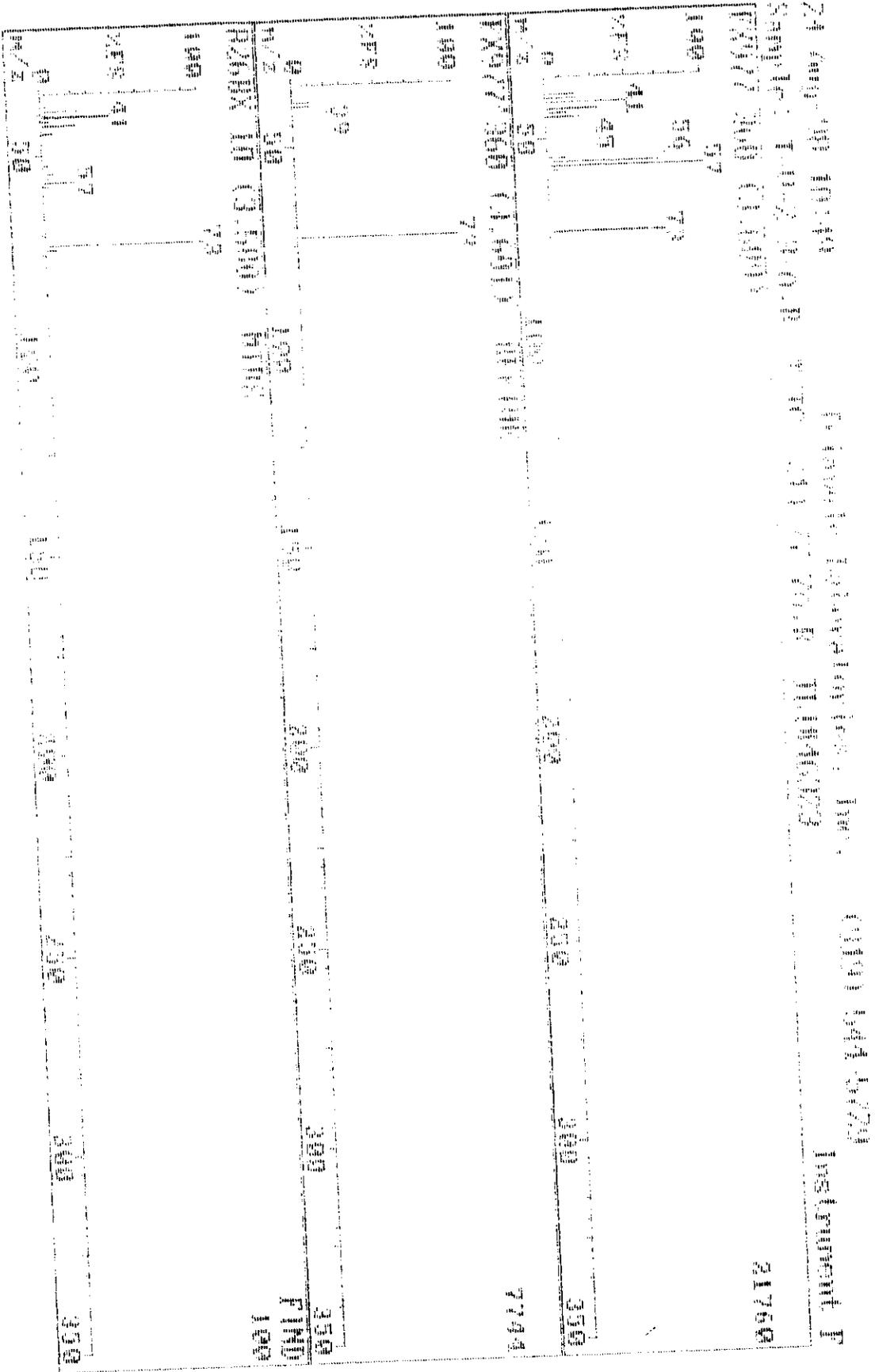
40704



FIND 100







Pacific Environmental Services

Project Number: 46323
Sample File: FX978

Method 8260 VOST
Sample ID: T-V-2-4-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-8A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | 0.05 |
| Chloromethane | 0.040 | J | 1.09 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.009 | J | 2.07 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | | 0.05 |
| Carbon disulfide | 0.044 | J | 2.78 | | 0.05 |
| Acetone | 0.296 | | 2.86 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.064 | | 3.27 | | 0.05 |
| Acrylonitrile | | U | | 0.021 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | 0.342 | | 4.73 | | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | 0.05 |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.108 | | 5.52 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit
IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: FX978

Method 8260 VOST

Sample ID: T-V-2-4-A,B T/TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALF821

TLI ID: 214-27-8A,B

Date Analyzed: 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.005 | 0.05 |
| Toluene | 0.144 | | 8.09 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₃ | | IS 3 | 10.35 | | |
| Tetrachloroethene | 0.031 | J | 8.91 | | 0.05 |
| 2-Hexanone | | U | | 0.008 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.027 | J | 10.67 | | 0.05 |
| m-/p-Xylene | 0.149 | | 10.91 | | 0.10 |
| o-Xylene | 0.042 | J | 11.63 | | 0.05 |
| Styrene | 0.017 | J | 11.70 | | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.72 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 16:49 08/25/1998

Pacific Environmental Services

Project Number: 46323
Sample File: FX978

Method 8260 VOST
Sample ID: T-V-2-4-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-8A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Surrogate Summary | Amount (ug) | RI | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.208 | 5.18 | 1 | 83 |
| Toluene-d ₈ | 0.259 | 8.00 | 2 | 104 |
| 4-Bromofluorobenzene | 0.295 | 12.65 | 2 | 118 |

Reviewed by _____

PAB

Date *8/25/98*

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Savar v3.7
Printed: 16:49 08/25/1998

Pacific Environmental Services

Project Number: 46323
Sample File: FX978

Method 8260 VOST
Sample ID: T-V-2-4-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-8A,B

Date Received: 07/29/98

Response File: ICALF824

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.036 | J | 3.61 | | 0.25 |
| n-Hexane | 0.083 | J | 3.88 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.025 | 0.25 |
| Iso-Octane | 0.021 | J | 5.68 | | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.007 | 0.25 |

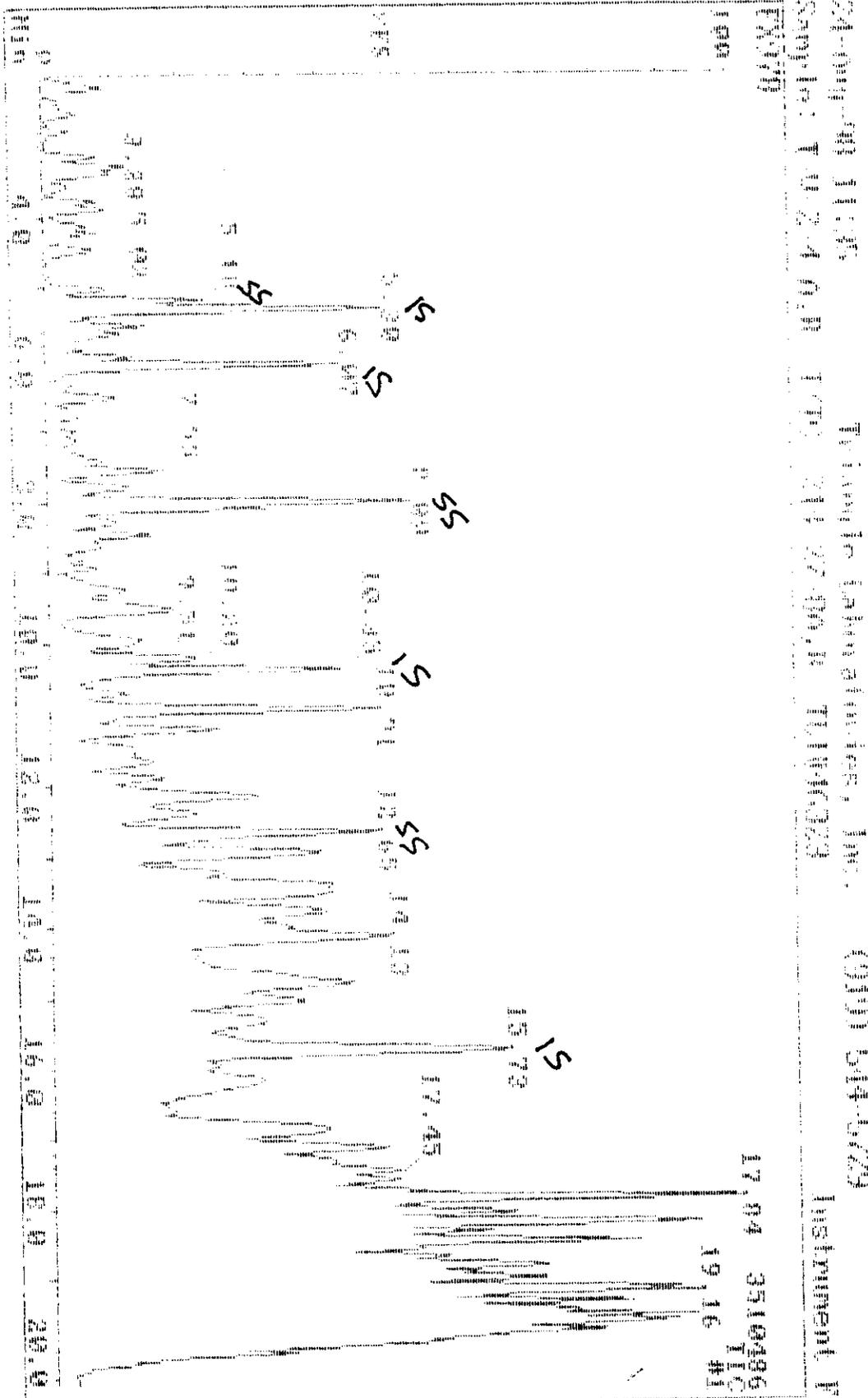
Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7
Printed: 17:21 08/25/1998



| No | RAT | FOR | REV | Delta | Amount | FLUGS | Q1 | Q1 Status |
|----|-----|-----|-----|-------|--------|-------|-------|--------------|
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 32 | 33 | 33 | 33 | -1 | 252030 | 10 | 0.000 | 100% (0.000) |
| 33 | 100 | 33 | 34 | -1 | 675177 | 10 | 0.000 | 100% (0.000) |
| 34 | 31 | 31 | 34 | 1 | 413403 | 10 | 0.000 | 100% (0.000) |
| 35 | 0 | 0 | 0 | 0 | 214384 | 10 | 11.70 | 100% (11.70) |
| 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 42 | 11 | 11 | 11 | 0 | 100000 | 10 | 0.000 | 100% (0.000) |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |
| 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100% (0.000) |

214384 (M) PAB ~~11.70~~

| no | noT | noR | noV | noD | noA | noS | noE | noM | noN |
|----|-----|-----|-----|-----|--------------|--------------|--------------|--------------|--------------|
| 1 | 000 | 01 | 00 | 01 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 2 | 000 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 3 | 000 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 4 | 00 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 5 | 000 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 6 | 000 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 7 | 00 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 8 | 00 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 9 | 00 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 10 | 000 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 11 | 000 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 12 | 00 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 13 | 00 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |
| 14 | 00 | 00 | 00 | 00 | 000000000000 | 000000000000 | 000000000000 | 000000000000 | 000000000000 |

00 PAB

00 PAB

00 PAB

24-Aug-98 11:35

Triangle Laboratories, Inc.

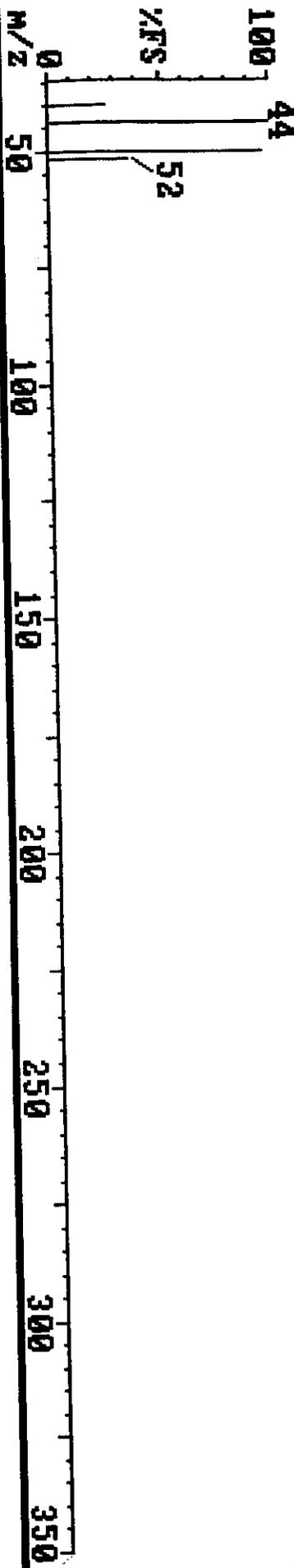
(919) 544-5729

Sample: T-U-2-4-A,B T/TC 214-27-8A,B TL1#46323

Instrument F

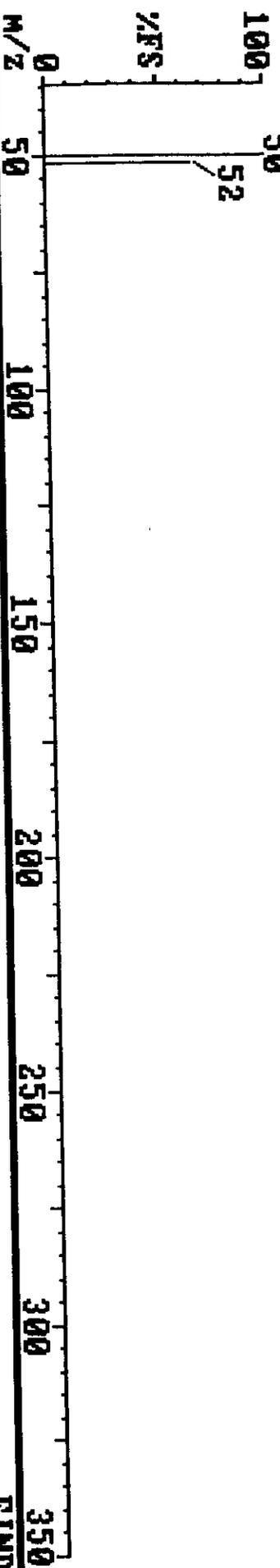
FY978 109 (1.090)

16320



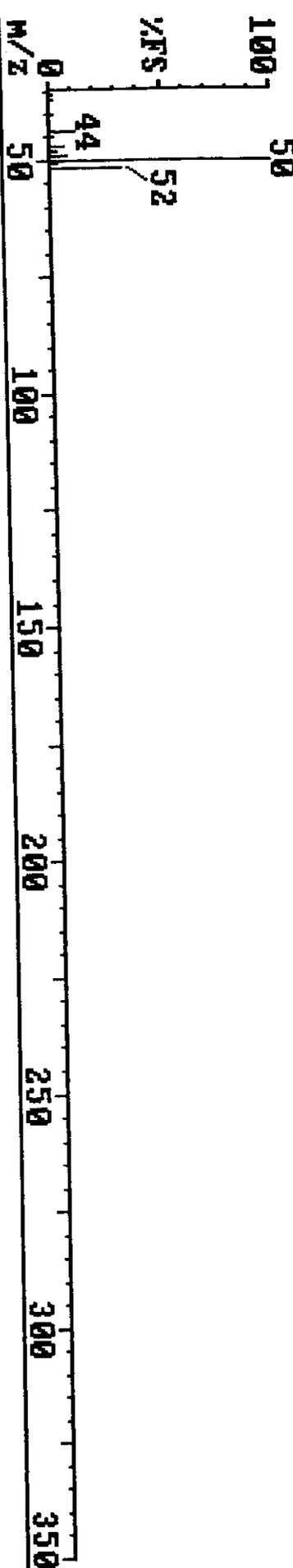
FY978 109 (1.091) REFINE

6080



8260 9 (1.230) Chloromethane

FIND 100



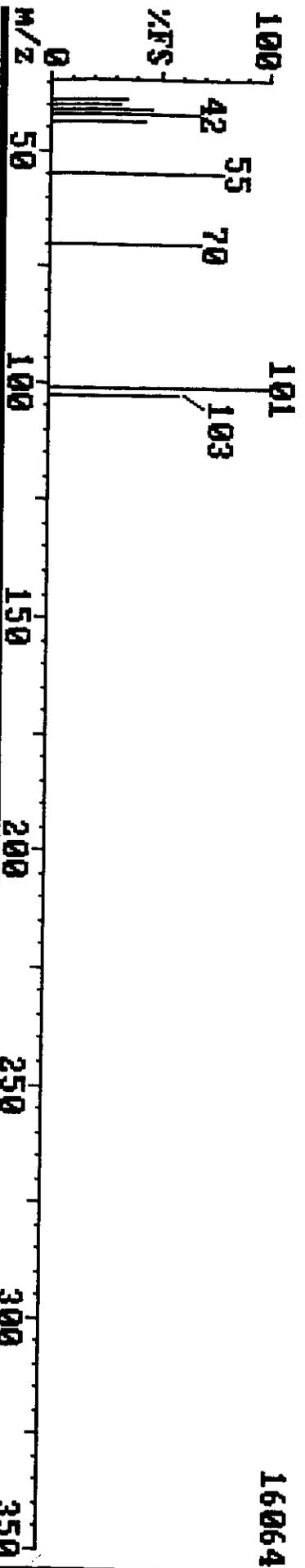
24-Aug-98 11:35

Triangle Laboratories, Inc. (919) 544-5729

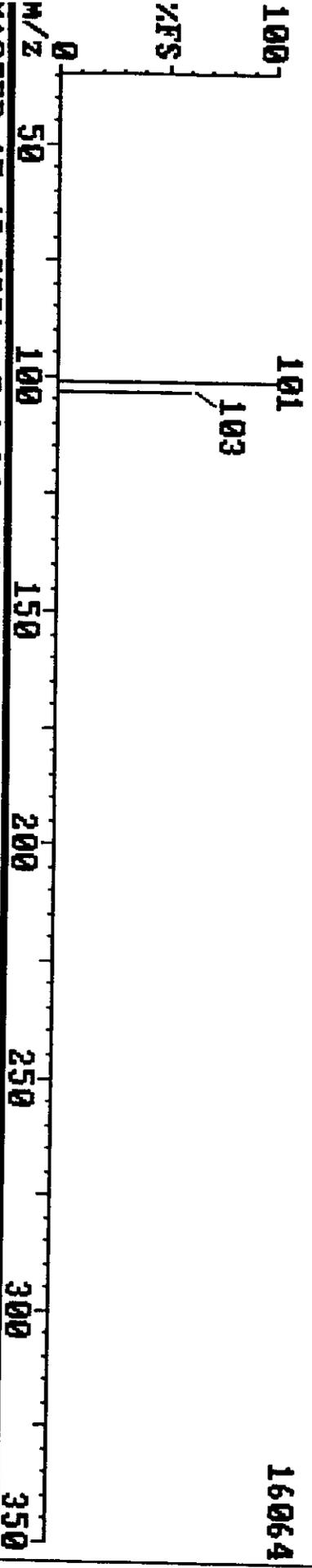
Sample: T-U-2-4-A,B T/TIC 214-27-8A,B TL1#46323

Instrument F

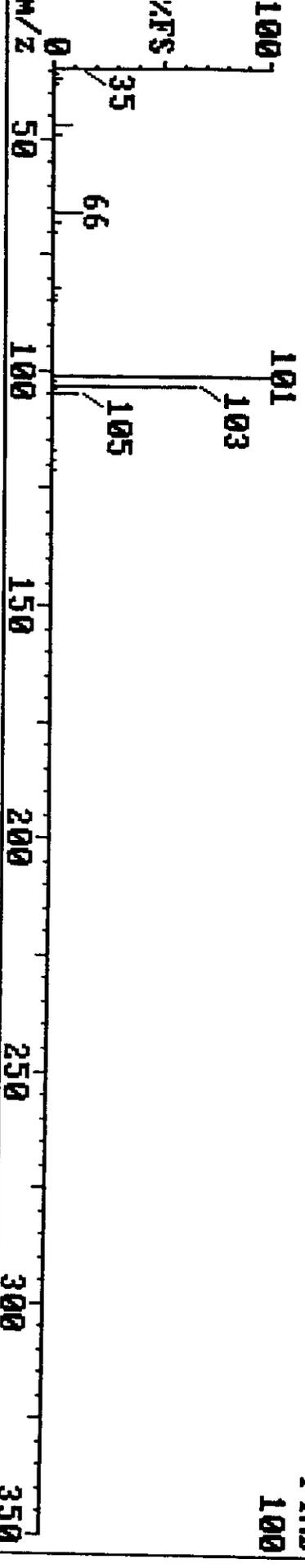
FX978 207 (2.070)



FX978 207 (2.071) REFINE



MASTER 15 (2.330) Trichlorofluoromethane



FIND 100

24-Aug-98 11:35

Triangle Laboratories, Inc.

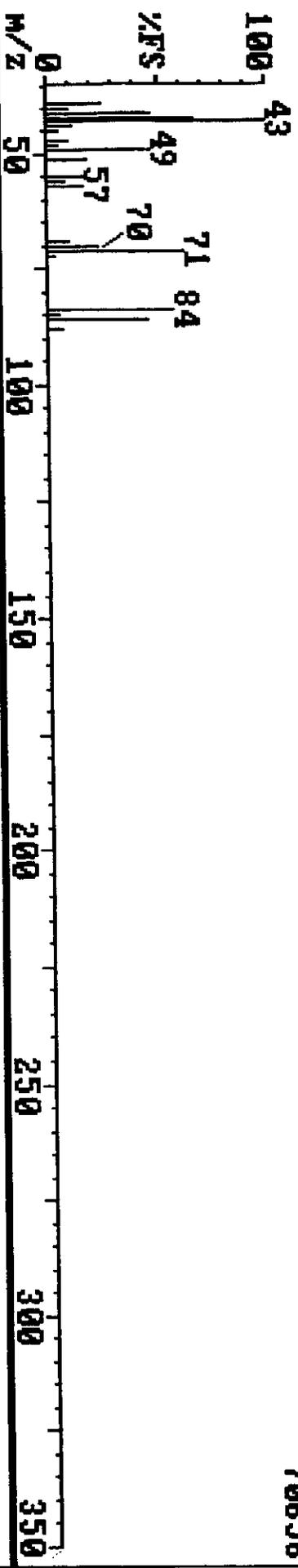
(919) 544-5729

Sample: T-U-2-4-A,B T/TC 214-27-8A,B TL1#46323

Instrument F

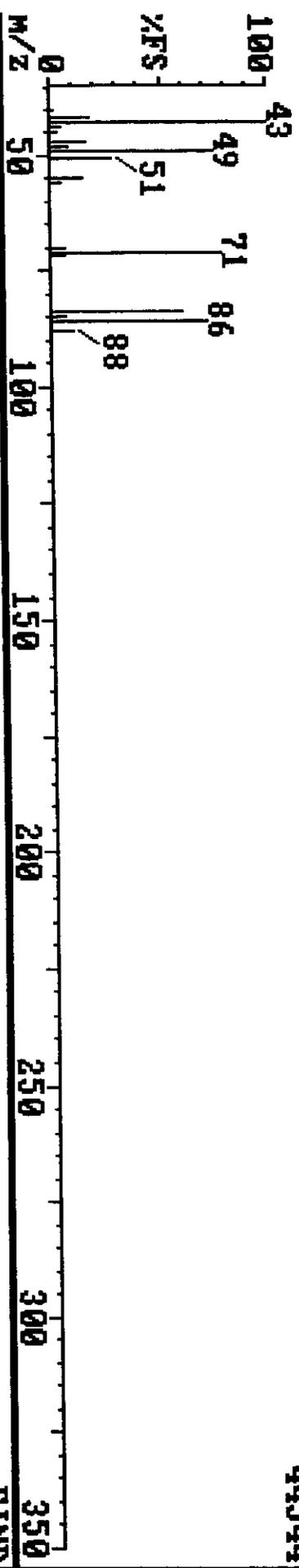
FX978 327 (3.270)

70656



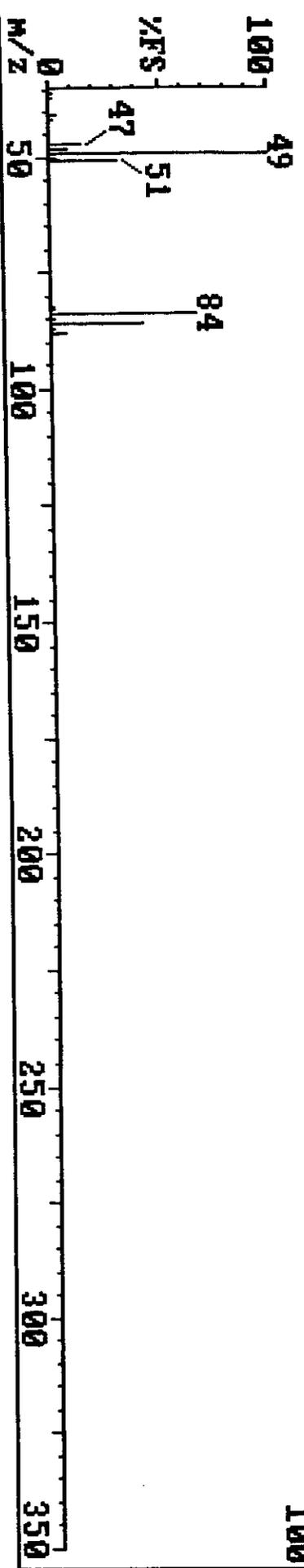
FX978 327 (3.271) REFINE

44544



8260 15 (3.550) Methylene chloride

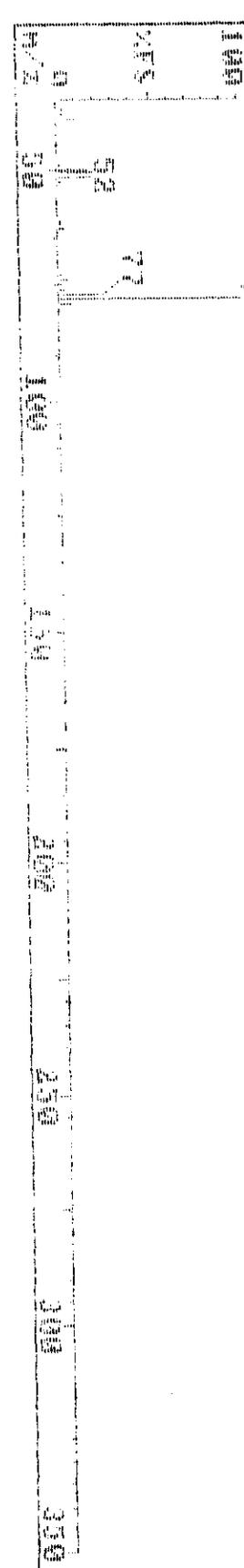
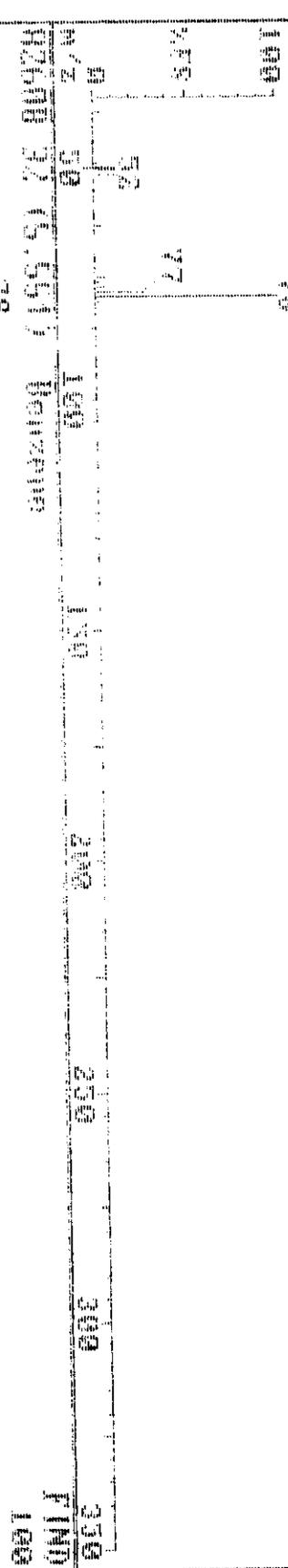
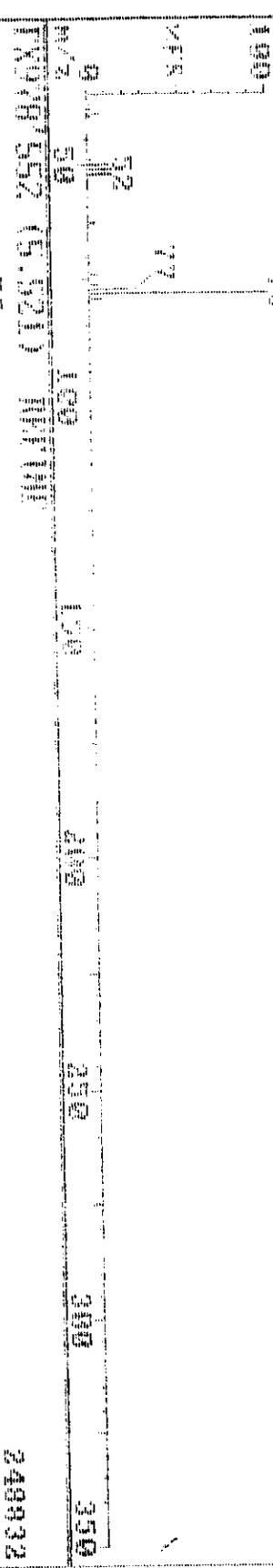
FIND 100



24-000-30 11:35 T. H. W. Laboratories, Inc. (010) 544-5729 Instrument P

Sample: 14-2-4-01 100 214 27 100 11114620

1000 52 (6.520) 262144



| Year | Month | Day | Time | Location | Remarks |
|------|-------|-----|------|----------|---------|
| 1970 | 11 | 16 | 1616 | | |
| 1970 | 11 | 17 | 1616 | | |
| 1970 | 11 | 18 | 1616 | | |
| 1970 | 11 | 19 | 1616 | | |
| 1970 | 11 | 20 | 1616 | | |
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| 1970 | 11 | 26 | 1616 | | |
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| 1970 | 12 | 31 | 1616 | | |

24-Aug-98 11:35

Triangle Laboratories, Inc.

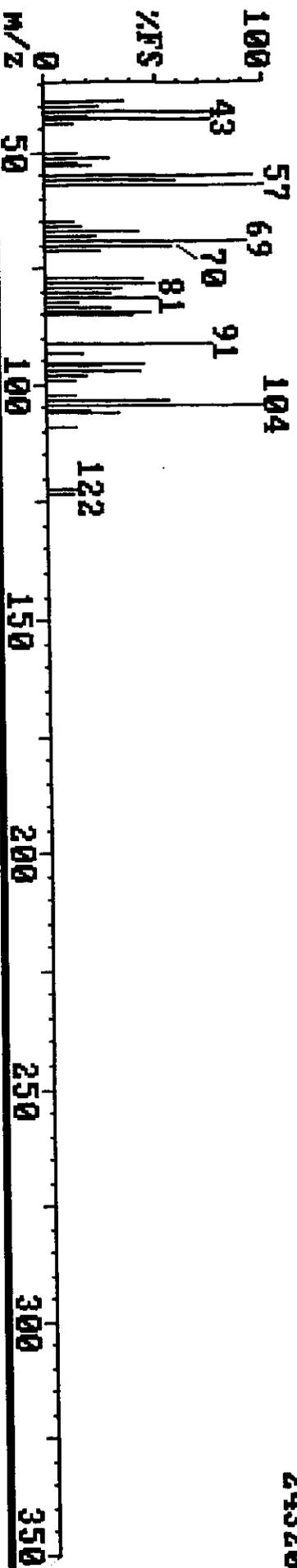
(919) 544-5729

Sample: T-U-2-4-A,B T/TC 214-27-8A,B TL#46323

Instrument F

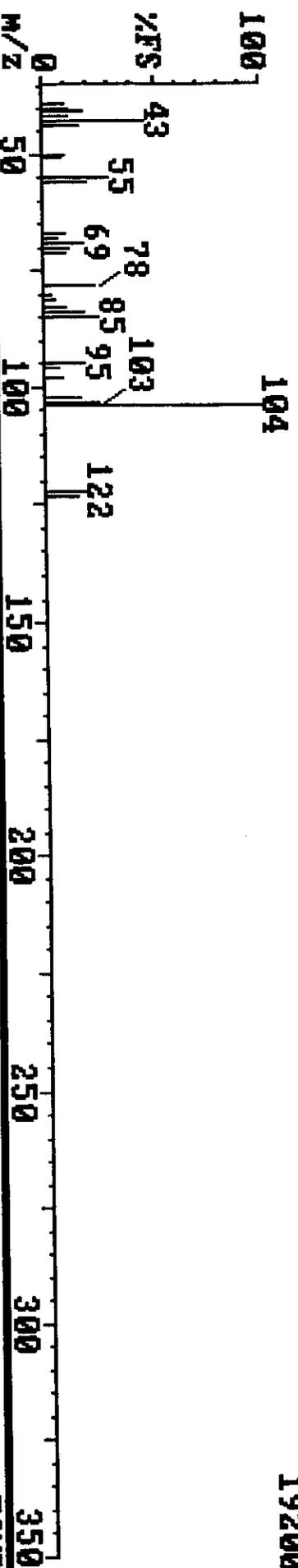
FX978 1170 (11.701)

24320



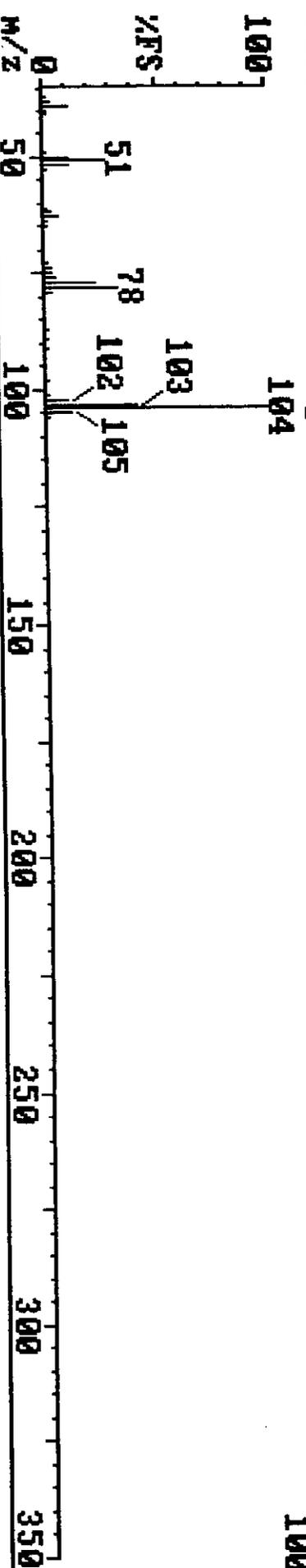
FX978 1170 (11.701) REFINE

19200



8260 44 (12.371) Styrene

FIND
100



| NO. | DESCRIPTION | AMOUNT | TOTAL |
|-----|-------------|--------|-------|
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| NO. | DESCRIPTION | AMOUNT | CHECK NO. | DATE | BALANCE |
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Pacific Environmental Services

Project Number: 46323
Sample File: FX979

Method 8260 VOST
Sample ID: T-V-3-1-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-16A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.31 | | |
| Chloromethane | 0.030 | J | 1.08 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.005 | J | 1.66 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.011 | J | 2.06 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.015 | J | 2.78 | | 0.05 |
| Acetone | 0.183 | | 2.87 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.508 | | 3.27 | | 0.05 |
| Acrylonitrile | | U | | 0.020 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | 0.166 | | 4.75 | | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.08 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.096 | | 5.53 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
Sample File: FX979

Method 8260 VOST
Sample ID: T-V-3-1-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-16A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.004 | 0.05 |
| Toluene | 0.212 | | 8.12 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.38 | | |
| Tetrachloroethene | 0.023 | J | 8.96 | | 0.05 |
| 2-Hexanone | | U | | 0.008 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.075 | | 10.71 | | 0.05 |
| m-/p-Xylene | 0.335 | | 10.94 | | 0.10 |
| o-Xylene | 0.131 | | 11.66 | | 0.05 |
| Styrene | 0.029 | J | 11.72 | | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.78 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
Sample File: FX979

Method 8260 VOST
Sample ID: T-V-3-1-A,B T/TC

Client Project: R012.001
FLI ID: 214-27-16A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.209 | 5.19 | 1 | 84 |
| Toluene-d ₈ | 0.256 | 8.02 | 2 | 102 |
| 4-Bromofluorobenzene | 0.283 | 12.69 | 2 | 113 |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
Sample File: FX979

Method 8260 VOST
Sample ID: T-V-3-1-A,B T/TC

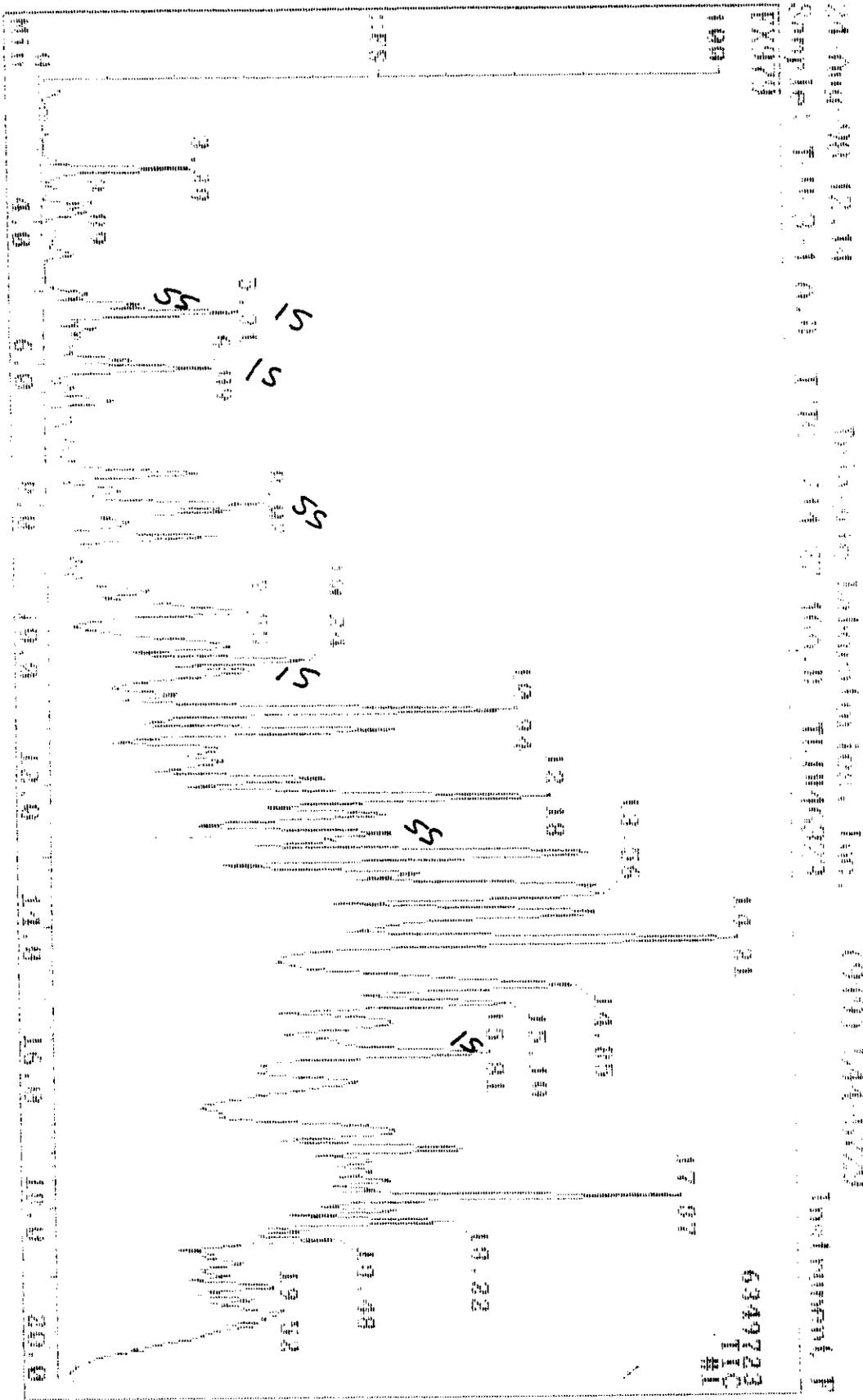
| | | |
|--------------------------|-------------------------|-------------------------|
| Client Project: R012.001 | Date Received: 07/29/98 | Response File: ICALF824 |
| TLI ID: 214-27-16A, B | Date Analyzed: 08/24/98 | |

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.31 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.028 | J | 3.61 | | 0.25 |
| n-Hexane | 0.107 | J | 3.89 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.024 | 0.25 |
| Iso-Octane | 0.012 | J | 5.68 | | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.08 | | |
| Ethyl acrylate | | U | | 0.007 | 0.25 |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range



Data Review: PAB
 Date: 8/24/98

| NO. | DATE | AMOUNT | REMARKS | DEBIT | CREDIT | BALANCE |
|-----|------|--------|---------|-------|--------|---------|
| 1 | 100 | 20 | 100 | 00 | 419.15 | 20.00 |
| 2 | 100 | 20 | 00 | 00 | 439.15 | 20.00 |
| 3 | 100 | 20 | 00 | 00 | 459.15 | 20.00 |
| 4 | 20 | 20 | 20 | 00 | 479.15 | 20.00 |
| 5 | 100 | 20 | 00 | 00 | 499.15 | 20.00 |
| 6 | 100 | 20 | 00 | 00 | 519.15 | 20.00 |
| 7 | 00 | 00 | 20 | 00 | 499.15 | 20.00 |
| 8 | 0 | 0 | 0 | 0 | 499.15 | 20.00 |
| 9 | 0 | 0 | 0 | 0 | 499.15 | 20.00 |
| 10 | 0 | 0 | 0 | 0 | 499.15 | 20.00 |
| 11 | 0 | 0 | 0 | 0 | 499.15 | 20.00 |
| 12 | 0 | 0 | 0 | 0 | 499.15 | 20.00 |
| 13 | 0 | 0 | 0 | 0 | 499.15 | 20.00 |
| 14 | 0 | 0 | 0 | 0 | 499.15 | 20.00 |
| 15 | 0 | 0 | 0 | 0 | 499.15 | 20.00 |
| 16 | 00 | 20 | 00 | 00 | 479.15 | 20.00 |
| 17 | 00 | 00 | 00 | 00 | 479.15 | 20.00 |
| 18 | 00 | 00 | 00 | 00 | 479.15 | 20.00 |
| 19 | 00 | 00 | 00 | 00 | 479.15 | 20.00 |
| 20 | 00 | 00 | 00 | 00 | 479.15 | 20.00 |
| 21 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 22 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 23 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 24 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 25 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 26 | 00 | 00 | 00 | 00 | 479.15 | 20.00 |
| 27 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 28 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 29 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 30 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 31 | 0 | 0 | 00 | 00 | 479.15 | 20.00 |
| 32 | 100 | 20 | 00 | 00 | 459.15 | 20.00 |
| 33 | 0 | 0 | 00 | 00 | 459.15 | 20.00 |
| 34 | 0 | 0 | 00 | 00 | 459.15 | 20.00 |
| 35 | 0 | 0 | 00 | 00 | 459.15 | 20.00 |
| 36 | 0 | 0 | 00 | 00 | 459.15 | 20.00 |
| 37 | 0 | 0 | 00 | 00 | 459.15 | 20.00 |
| 38 | 0 | 0 | 00 | 00 | 459.15 | 20.00 |
| 39 | 0 | 0 | 00 | 00 | 459.15 | 20.00 |
| 40 | 0 | 0 | 00 | 00 | 459.15 | 20.00 |
| 41 | 100 | 20 | 00 | 00 | 439.15 | 20.00 |
| 42 | 0 | 0 | 00 | 00 | 439.15 | 20.00 |
| 43 | 0 | 0 | 00 | 00 | 439.15 | 20.00 |
| 44 | 0 | 0 | 00 | 00 | 439.15 | 20.00 |
| 45 | 00 | 00 | 00 | 00 | 439.15 | 20.00 |
| 46 | 0 | 0 | 00 | 00 | 439.15 | 20.00 |
| 47 | 0 | 0 | 00 | 00 | 439.15 | 20.00 |
| 48 | 0 | 0 | 00 | 00 | 439.15 | 20.00 |
| 49 | 0 | 0 | 00 | 00 | 439.15 | 20.00 |
| 50 | 0 | 0 | 00 | 00 | 439.15 | 20.00 |

77092 - (M) PAB → 1.08

21136 - (M) PAB → 1.66

(M) PAB

(M) PAB

(M) PAB

(M) PAB

Data Review: PAB
Date: 8/24/98

| NO | DATE | FOR | BY | QTY | PRICE | TOTAL | REMARKS |
|----|------|-----|----|-----|----------|----------|---------------------------|
| 1 | 100 | 75 | 25 | 2 | 41.24592 | 82.49184 | 103 2-ml of Fluorobenzene |
| 2 | 100 | 90 | 10 | 0 | 41.45822 | 0.00000 | 114 1-ml of Fluorobenzene |
| 3 | 100 | 75 | 25 | 1 | 30.70378 | 30.70378 | 117 Fluorobenzene 100 ml |
| 4 | 100 | 10 | 20 | 1 | 1.721600 | 1.721600 | 132 1-ml of Fluorobenzene |
| 5 | 100 | 74 | 20 | 2 | 1.300840 | 2.601680 | 133 Fluorobenzene 100 ml |
| 6 | 100 | 85 | 20 | 0 | 40.97510 | 0.00000 | 138 Fluorobenzene |
| 7 | 70 | 85 | 20 | 1 | 1.05630 | 1.05630 | 139 1-ml of Fluorobenzene |
| 8 | 100 | 10 | 10 | 0 | 0.00000 | 0.00000 | 139 1-ml of Fluorobenzene |
| 9 | 100 | 10 | 10 | 0 | 0.00000 | 0.00000 | 139 1-ml of Fluorobenzene |
| 10 | 100 | 85 | 20 | 1 | 1.05630 | 1.05630 | 139 1-ml of Fluorobenzene |
| 11 | 100 | 85 | 20 | 1 | 1.05630 | 1.05630 | 139 1-ml of Fluorobenzene |
| 12 | 100 | 85 | 20 | 1 | 1.05630 | 1.05630 | 139 1-ml of Fluorobenzene |
| 13 | 100 | 85 | 20 | 1 | 1.05630 | 1.05630 | 139 1-ml of Fluorobenzene |
| 14 | 100 | 85 | 20 | 1 | 1.05630 | 1.05630 | 139 1-ml of Fluorobenzene |
| 15 | 100 | 85 | 20 | 1 | 1.05630 | 1.05630 | 139 1-ml of Fluorobenzene |

GP PAB

GP PAB

GP PAB

24-Aug-98 12:14

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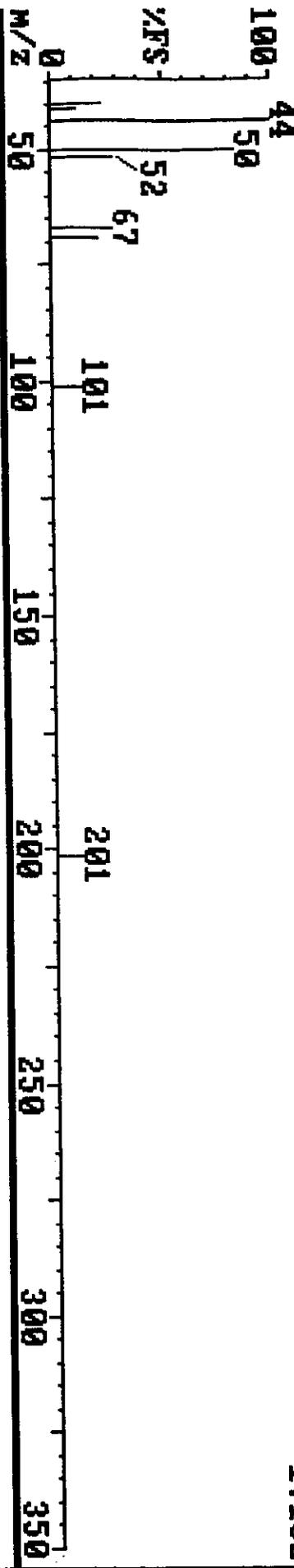
(919) 544-5729

Sample: T-U-3-1-A,B T/TC 214-27-16A,B TL1#46323

Instrument F

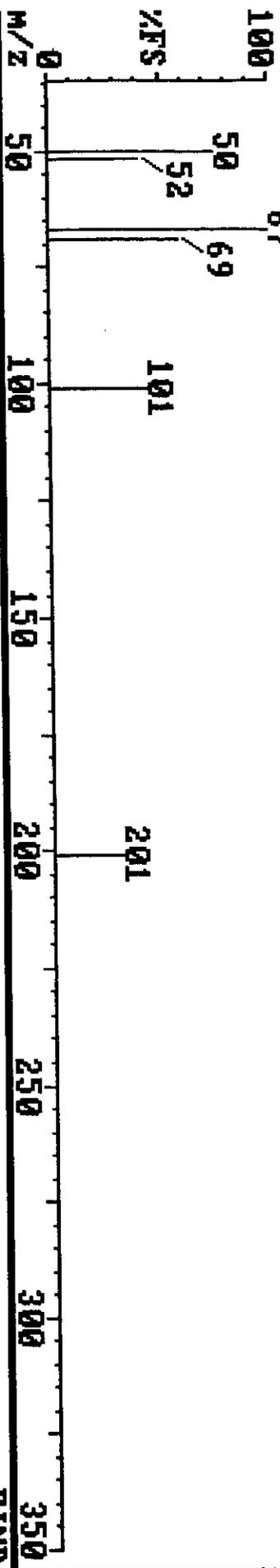
FY979 108 (1.088)

17152



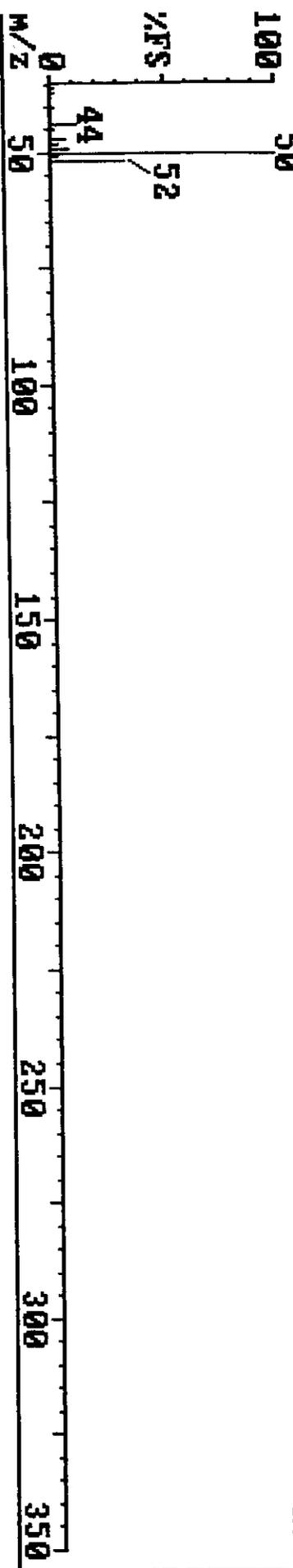
FY979 108 (1.081) REFINE

6208



8260 9 (1.230) Chloromethane

FIND 100



14-Aug-98 12:14

Triangle Laboratories, Inc.

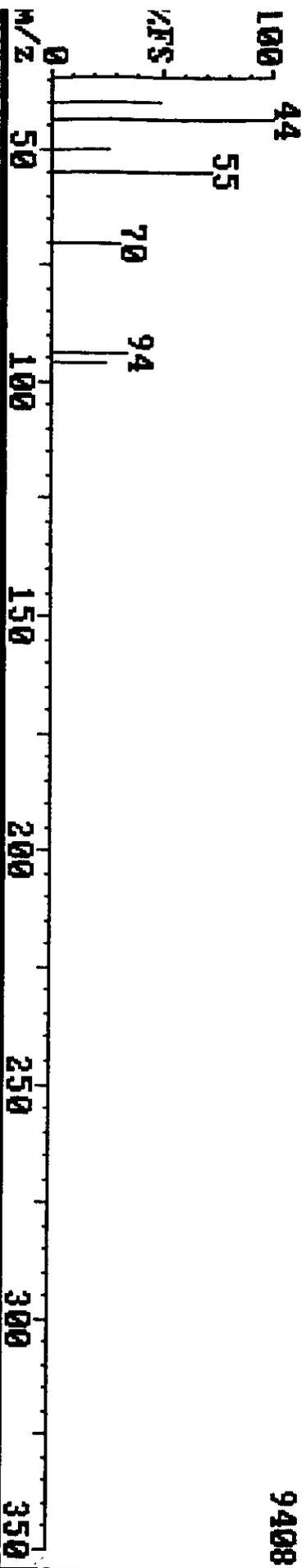
(919) 544-5729

Sample: T-U-3-1-A, B T/TC 214-27-16A, B TL1#46323

Instrument F

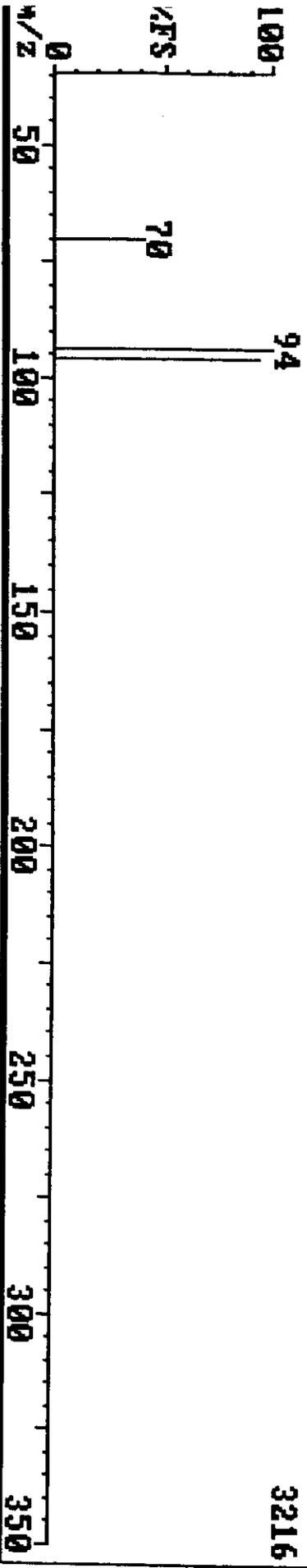
FX979 166 (1.660)

9408



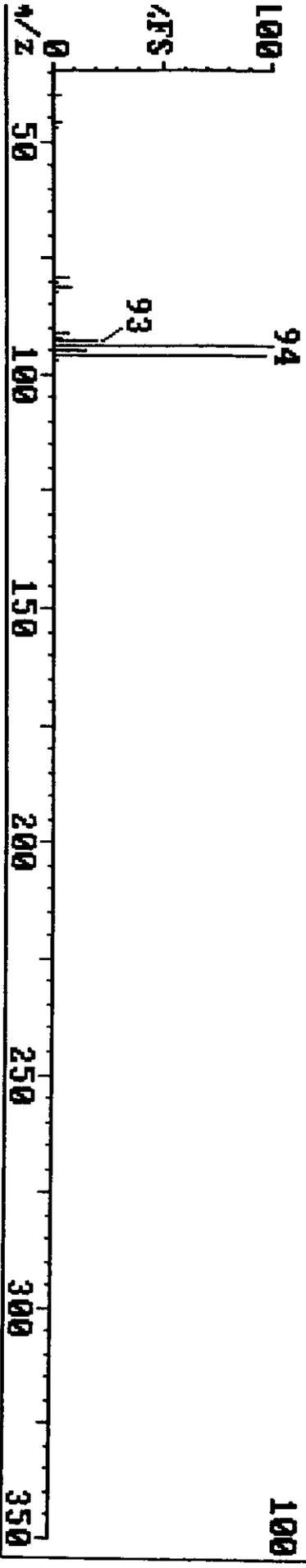
FX979 166 (1.661) REFINE

3216



3260 11 (1.830) Bromomethane

FIND 100



24-Aug-88 12:14

UNITED STATES DEPARTMENT OF THE ARMY

WASHINGTON, DC 20315-5000

Form: T-1031 (Rev. 11-80) (Instructions) (10/87)

Instrument F

FM 37 (3-79)

327680

100 90 100

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100 90 100

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FM 37 (3-79) (Instructions) (10/87) 350

307200

FM 37 (3-79) (Instructions) (10/87) 350

FM 100

FM 37 (3-79) (Instructions) (10/87) 350

| 24 Aug 68 17:14 | 1770 | 407000 | 696320 |
|------------------|------|--------|--------|
| Sample: T-42-4-A | 1770 | 407000 | 696320 |
| 1099717 (0.120) | | | 696320 |
| 109 | 97 | | |
| MS | 55 | | |
| 109 | 50 | | 350 |
| 1099627 (0.120) | | | 696320 |
| 109 | 92 | | |
| MS | 45 | | |
| 109 | 40 | | 350 |
| 1099611 (0.120) | | | 696320 |
| 109 | 92 | | |
| MS | 45 | | |
| 109 | 40 | | 350 |
| 1099600 (0.120) | | | 696320 |
| 109 | 92 | | |
| MS | 45 | | |
| 109 | 40 | | 350 |

27-000 99 234 Telephone Numbers: MO. (314) 541-5773

Sample: T-00-1-A-8 700 200 70000 TIM6023 Instrument F

1000 000 000 000 974848

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24-Aug-98 12:14

Triangle Laboratories, Inc.

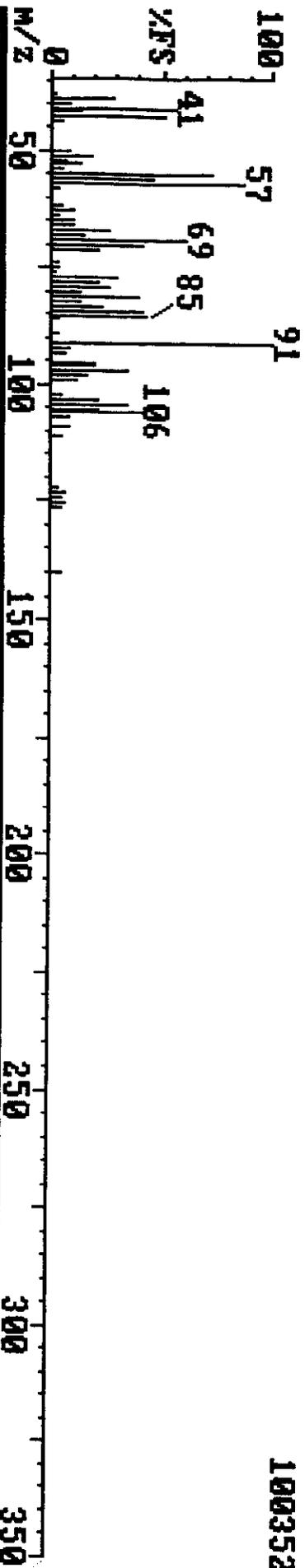
(919) 544-5729

Sample: T-U-3-1-A,B T/TIC 214-27-16A,B TL1#46323

Instrument F

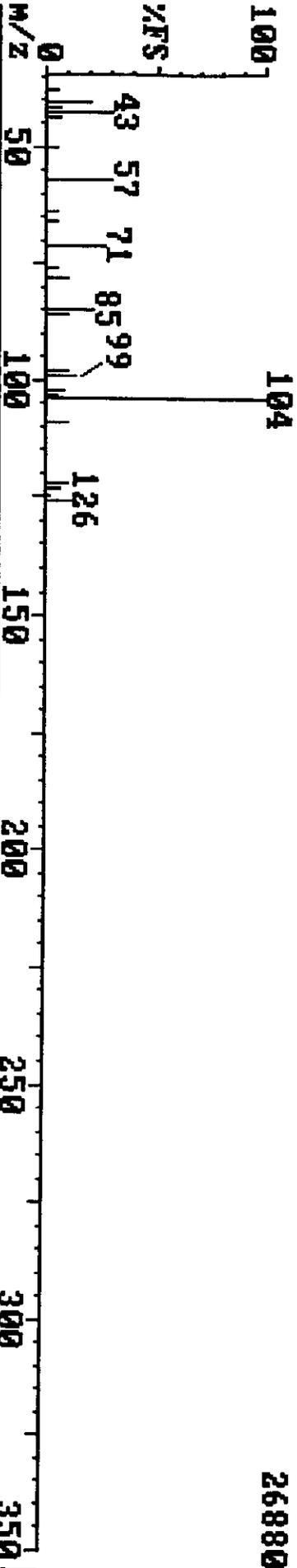
FX979 1172 (11.721)

100352



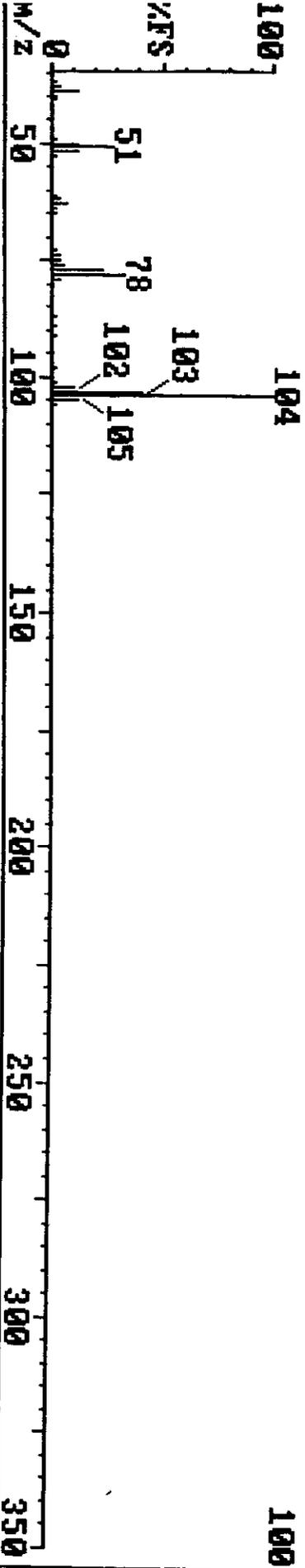
FX979 1172 (11.721) REFINE

26880



B260 44 (12.371) Styrene

FIND 100



| Account | Debit | Credit | Balance |
|---------|-------|--------|---------|
| 1000 | | | |
| 1010 | | | |
| 1020 | | | |
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| 1100 | | | |
| 1110 | | | |
| 1120 | | | |
| 1130 | | | |
| 1140 | | | |
| 1150 | | | |
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| 1970 | | | |
| 1980 | | | |
| 1990 | | | |
| 2000 | | | |

Pacific Environmental Services

Project Number: 46323

Sample File: FX980

Method 8260 VOST

Sample ID: T-V-3-2-A,B T/TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALF821

TLI ID: 214-27-17A,B

Date Analyzed: 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.011 | J | 2.07 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.017 | J | 2.78 | | 0.05 |
| Acetone | | U | | 0.004 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.828 | | 3.27 | | 0.05 |
| Acrylonitrile | | U | | 0.020 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.131 | | 5.52 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

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Printed: 16:49 08/25/1998

Pacific Environmental Services

Project Number: 46323
Sample File: FX980

Method 8260 VOST
Sample ID: T-V-3-2-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-17A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.005 | 0.05 |
| Toluene | 0.200 | | 8.10 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₃ | | IS 3 | 10.35 | | |
| Tetrachloroethene | 0.015 | J | 8.93 | | 0.05 |
| 2-Hexanone | | U | | 0.008 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.065 | | 10.67 | | 0.05 |
| m-/p-Xylene | 0.314 | | 10.91 | | 0.10 |
| o-Xylene | 0.118 | | 11.63 | | 0.05 |
| Styrene | 0.036 | J | 11.69 | | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.73 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
Sample File: FX980

Method 8260 VOST
Sample ID: T-V-3-2-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-17A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.205 | 5.18 | 1 | 82 |
| Toluene-d ₈ | 0.260 | 8.00 | 2 | 104 |
| 4-Bromofluorobenzene | 0.333 | 12.66 | 2 | 133 |

Reviewed by RAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 16:49 08/25/1998

362

133

Pacific Environmental Services

Project Number: 46323
Sample File: FX980

Method 8260 VOST
Sample ID: T-V-3-2-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-17A,B

Date Received: 07/29/98

Response File: ICALF824

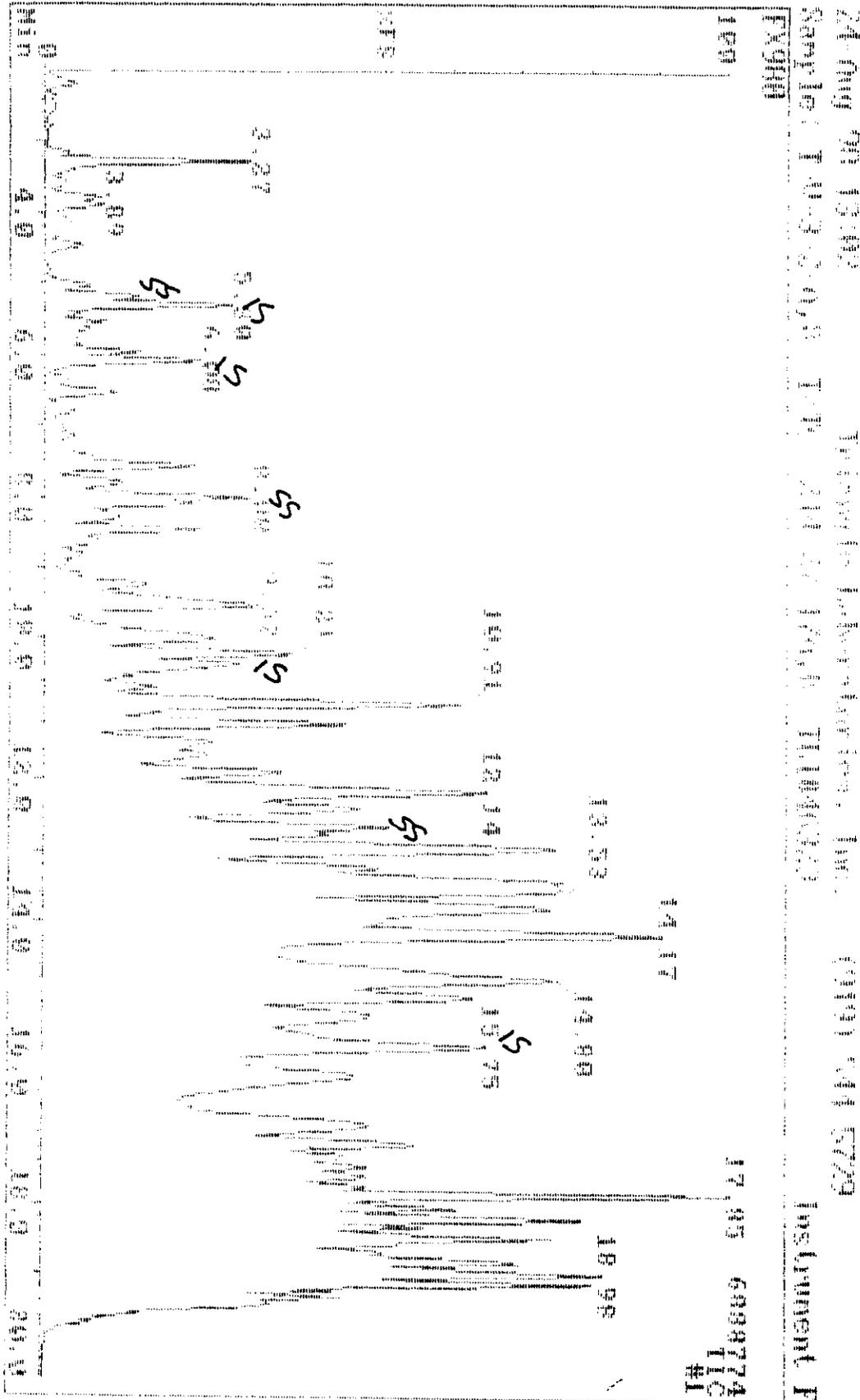
Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.022 | J | 3.60 | | 0.25 |
| n-Hexane | 0.135 | J | 3.89 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.024 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.007 | 0.25 |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range



Data Review: PAB
 Date: 8/24/98

| Row | Area | 2018 | 2017 | Change | Account Balance | PS | 2018 Balance |
|-----|------|------|------|--------|-----------------|--------|--------------|
| 51 | 0 | 0 | 0 | 0 | 0 | 0.000 | 131 |
| 52 | 800 | 20 | 20 | -1 | 2442003 | 1.1 | 100 |
| 53 | 50 | 20 | -1 | -1 | 2278014 | 1w | 106 |
| 54 | 800 | 20 | 20 | 0 | 1130632 | 1w | 106 |
| 55 | 1 | 0 | 0 | 0 | 461056 | NO PAB | 104 |
| 56 | 0 | 0 | 0 | 0 | 0 | 1.69 | 173 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0.000 | 105 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0.000 | 105 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 60 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 62 | 57 | 10 | 20 | 10 | 1130632 | 0 | 100 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 65 | 14 | 20 | 20 | -1 | 3005011 | 1w | 100 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 67 | 100 | 20 | 20 | -1 | 2000000 | 1w | 100 |
| 68 | 27 | 20 | 20 | -1 | 1141507 | 1w | 100 |
| 69 | 11 | 0 | 20 | -1 | 1141507 | 1w | 100 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 73 | 50 | 20 | 20 | -1 | 2100000 | 1w | 100 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 76 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 78 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 79 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 81 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 82 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 83 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 87 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 88 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 94 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0.000 | 106 |

| No. | PHI | FOR | RTV | REF | REF | REF | REF | REF |
|-----|----------------|---------------|---------------|--------------|--------------------|----------------|--------------|-----------------|
| 1 | 100 | 70 | 27 | 1 | 1001356 | 100 | 5 | 1001 |
| 2 | 100 | 87 | 25 | 0 | 4022975 | 100 | 6 | 1001 |
| 3 | 99 | 71 | 27 | -1 | 1499136 | 100 | 10 | 1001 |
| 4 | 100 | 20 | 30 | 0 | 1988189 | 100 | 12 | 1001 |
| 5 | 100 | 65 | 27 | 0 | 1327408 | 100 | 5 | 1001 |
| 6 | 100 | 82 | 24 | 0 | 1038442 | 100 | 8 | 1001 |
| 7 | 100 | 16 | 21 | 0 | 1121619 | 100 | 10 | 1001 |
| 8 | 100 | 8 | 2 | 0 | 1111111 | 100 | 1 | 1001 |
| 9 | 100 | 10 | 16 | 0 | 0 | 100 | 0 | 1001 |
| 10 | 60 | 30 | 25 | 1 | 100560 | 100 | 5 | 1001 |
| 11 | 100 | 21 | 21 | 0 | 1002000 | 100 | 5 | 1001 |
| 12 | 100 | 10 | 10 | 0 | 1001111 | 100 | 1 | 1001 |
| 13 | 100 | 10 | 10 | 0 | 1001111 | 100 | 1 | 1001 |
| 14 | 100 | 10 | 10 | 0 | 1001111 | 100 | 1 | 1001 |

SP FOR

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24-Aug-98 13:02

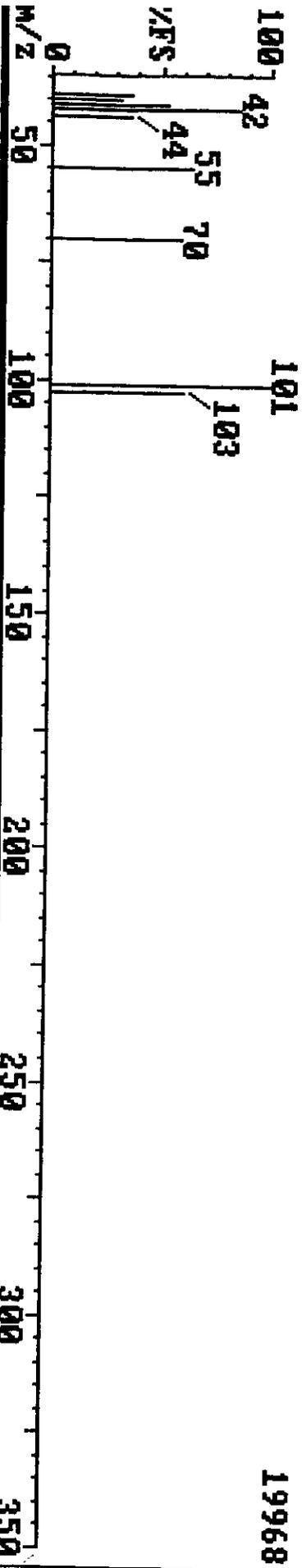
Triangle Laboratories, Inc.

(919) 544-5729

Sample: T-U-3-2-A, B T/TC 214-27-17A, B TL#46323

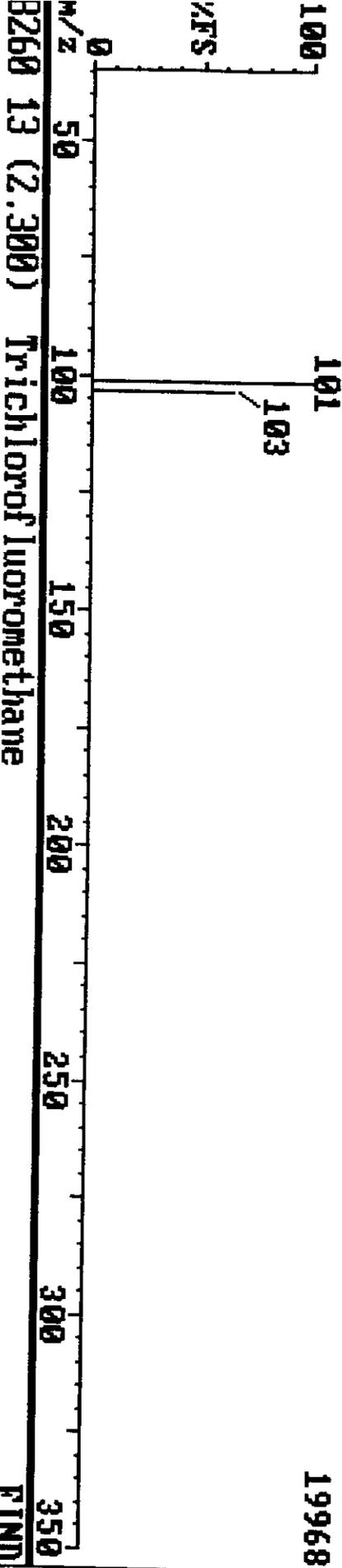
Instrument F

FX980 207 (2.070)



FX980 207 (2.071) REFINE

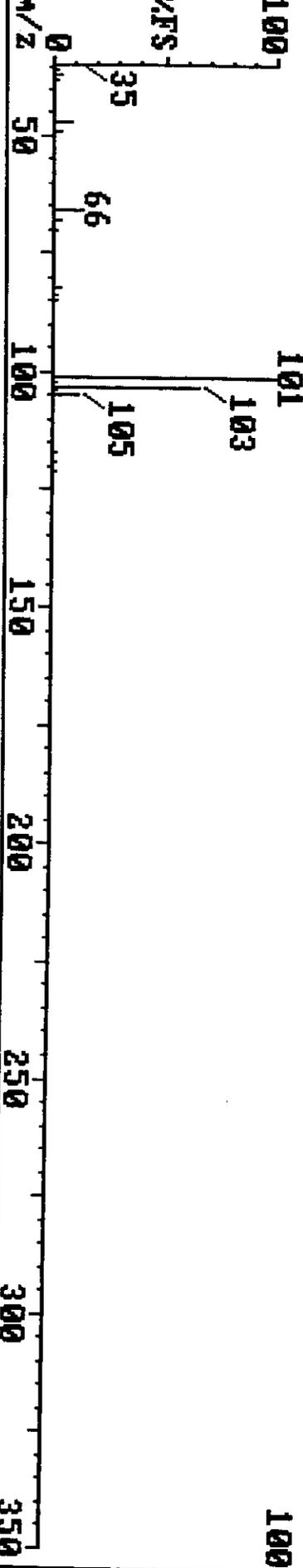
19968



0260 13 (2.300) Trichlorofluoromethane

FIND

100



| Year | Month | Day | Time | Location | Remarks | Temperature | Wind | Humidity | Pressure | Clouds | Visibility | Other |
|------|-------|-----|------|----------|---------|-------------|------|----------|----------|--------|------------|-------|
| 1944 | 1 | 1 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 2 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 3 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 4 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 5 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 6 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 7 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 8 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 9 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 10 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 11 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 12 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 13 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 14 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 15 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 16 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 17 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 18 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 19 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 20 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 21 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 22 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 23 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 24 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 25 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 26 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 27 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 28 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 29 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 30 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| 1944 | 1 | 31 | 0800 | ... | ... | ... | ... | ... | ... | ... | ... | ... |

21 Aug 68 1107

Training Laboratories, Inc.

(300) 644-5773

Sample: T-002-91

100 100 100 100

100 100 100

Instrument 1

100 100 100 100

100 100 100 100

239616

M/S

55 97

100

M/S

41 97

100

350

M/S

100

100

219136

M/S

100

100

M/S

100

100

350

M/S

100

100

100

M/S

100

100

350

M/S

100

100

350

24-Aug-98 11:02

Trinity Church, Inc. (99) 04-573

Sample: 70-22-A11

7/6 24-25-000 1000000

Instrument 1

W000 100 (01.630)

100 91

319488

W00 91 91 91 91

270036

350

100

100

100

100

100

100

100

100

100

100

100

100

100

100

24-Aug-98 13:02

Triangle Laboratories, Inc.

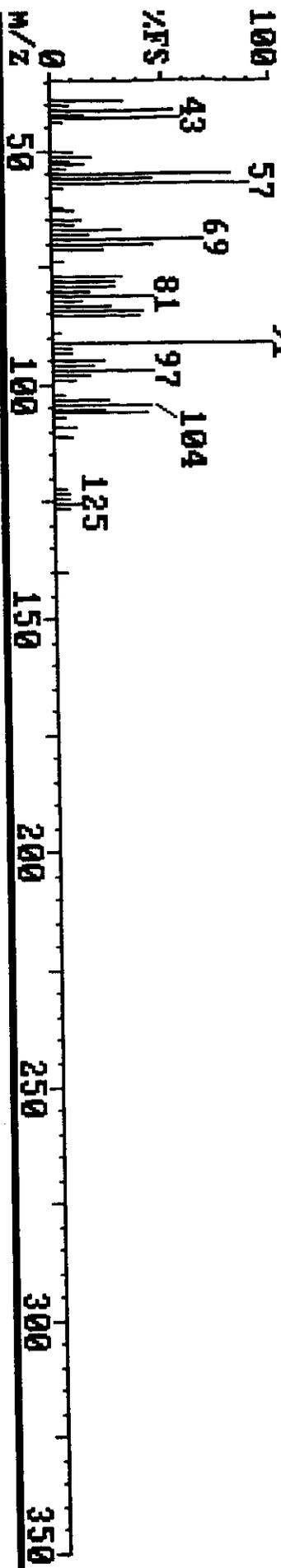
(919) 544-5729

Sample: T-U-3-2-A,B T/TC 214-27-17A,B TL1#46323

Instrument F

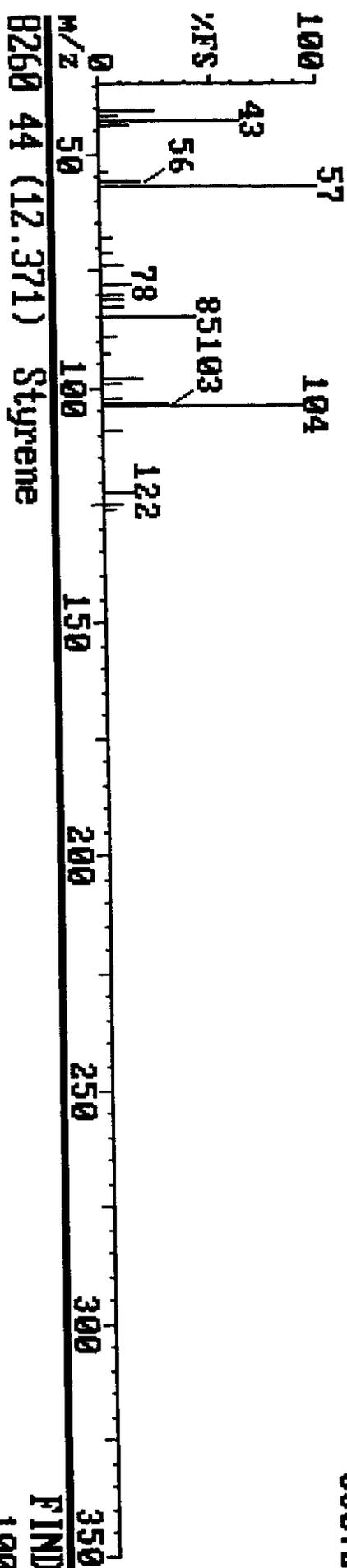
FY980 1169 (11.691)

98304



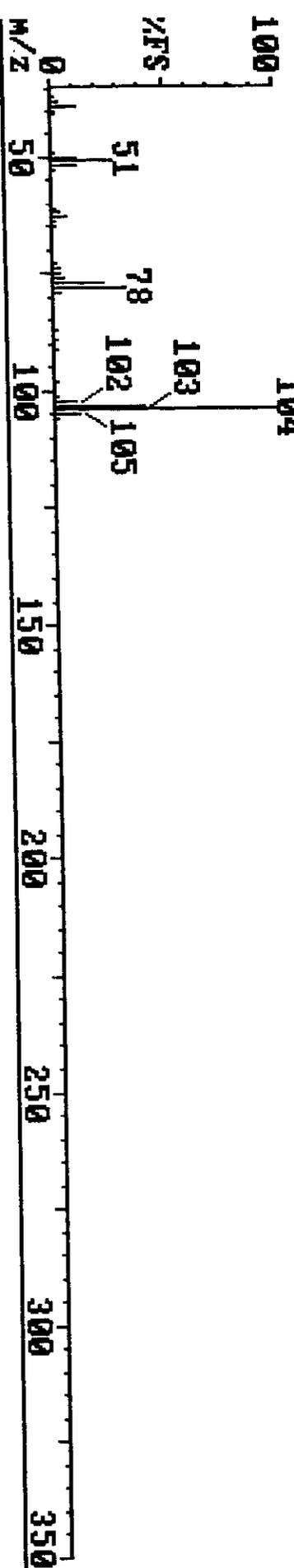
FY980 1169 (11.691) REFINE

35072



8260 44 (12.371) Styrene

FIND 100



| Code | Description | Quantity | Unit Price | Total Price | Notes |
|------|-------------|----------|------------|-------------|-------|
| 001 | ... | ... | ... | ... | |
| 002 | ... | ... | ... | ... | |
| 003 | ... | ... | ... | ... | |
| 004 | ... | ... | ... | ... | |
| 005 | ... | ... | ... | ... | |
| 006 | ... | ... | ... | ... | |
| 007 | ... | ... | ... | ... | |
| 008 | ... | ... | ... | ... | |
| 009 | ... | ... | ... | ... | |
| 010 | ... | ... | ... | ... | |
| 011 | ... | ... | ... | ... | |
| 012 | ... | ... | ... | ... | |
| 013 | ... | ... | ... | ... | |
| 014 | ... | ... | ... | ... | |
| 015 | ... | ... | ... | ... | |
| 016 | ... | ... | ... | ... | |
| 017 | ... | ... | ... | ... | |
| 018 | ... | ... | ... | ... | |
| 019 | ... | ... | ... | ... | |
| 020 | ... | ... | ... | ... | |
| 021 | ... | ... | ... | ... | |
| 022 | ... | ... | ... | ... | |
| 023 | ... | ... | ... | ... | |
| 024 | ... | ... | ... | ... | |
| 025 | ... | ... | ... | ... | |
| 026 | ... | ... | ... | ... | |
| 027 | ... | ... | ... | ... | |
| 028 | ... | ... | ... | ... | |
| 029 | ... | ... | ... | ... | |
| 030 | ... | ... | ... | ... | |
| 031 | ... | ... | ... | ... | |
| 032 | ... | ... | ... | ... | |
| 033 | ... | ... | ... | ... | |
| 034 | ... | ... | ... | ... | |
| 035 | ... | ... | ... | ... | |
| 036 | ... | ... | ... | ... | |
| 037 | ... | ... | ... | ... | |
| 038 | ... | ... | ... | ... | |
| 039 | ... | ... | ... | ... | |
| 040 | ... | ... | ... | ... | |
| 041 | ... | ... | ... | ... | |
| 042 | ... | ... | ... | ... | |
| 043 | ... | ... | ... | ... | |
| 044 | ... | ... | ... | ... | |
| 045 | ... | ... | ... | ... | |
| 046 | ... | ... | ... | ... | |
| 047 | ... | ... | ... | ... | |
| 048 | ... | ... | ... | ... | |
| 049 | ... | ... | ... | ... | |
| 050 | ... | ... | ... | ... | |
| 051 | ... | ... | ... | ... | |
| 052 | ... | ... | ... | ... | |
| 053 | ... | ... | ... | ... | |
| 054 | ... | ... | ... | ... | |
| 055 | ... | ... | ... | ... | |
| 056 | ... | ... | ... | ... | |
| 057 | ... | ... | ... | ... | |
| 058 | ... | ... | ... | ... | |
| 059 | ... | ... | ... | ... | |
| 060 | ... | ... | ... | ... | |
| 061 | ... | ... | ... | ... | |
| 062 | ... | ... | ... | ... | |
| 063 | ... | ... | ... | ... | |
| 064 | ... | ... | ... | ... | |
| 065 | ... | ... | ... | ... | |
| 066 | ... | ... | ... | ... | |
| 067 | ... | ... | ... | ... | |
| 068 | ... | ... | ... | ... | |
| 069 | ... | ... | ... | ... | |
| 070 | ... | ... | ... | ... | |
| 071 | ... | ... | ... | ... | |
| 072 | ... | ... | ... | ... | |
| 073 | ... | ... | ... | ... | |
| 074 | ... | ... | ... | ... | |
| 075 | ... | ... | ... | ... | |
| 076 | ... | ... | ... | ... | |
| 077 | ... | ... | ... | ... | |
| 078 | ... | ... | ... | ... | |
| 079 | ... | ... | ... | ... | |
| 080 | ... | ... | ... | ... | |
| 081 | ... | ... | ... | ... | |
| 082 | ... | ... | ... | ... | |
| 083 | ... | ... | ... | ... | |
| 084 | ... | ... | ... | ... | |
| 085 | ... | ... | ... | ... | |
| 086 | ... | ... | ... | ... | |
| 087 | ... | ... | ... | ... | |
| 088 | ... | ... | ... | ... | |
| 089 | ... | ... | ... | ... | |
| 090 | ... | ... | ... | ... | |
| 091 | ... | ... | ... | ... | |
| 092 | ... | ... | ... | ... | |
| 093 | ... | ... | ... | ... | |
| 094 | ... | ... | ... | ... | |
| 095 | ... | ... | ... | ... | |
| 096 | ... | ... | ... | ... | |
| 097 | ... | ... | ... | ... | |
| 098 | ... | ... | ... | ... | |
| 099 | ... | ... | ... | ... | |
| 100 | ... | ... | ... | ... | |

Pacific Environmental Services

Project Number: 46323

Sample File: FX981

Method 8260 VOST

Sample ID: T-V-3-3-A,B T/TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALF821

TLI ID: 214-27-18A,B

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.31 | | |
| Chloromethane | 0.043 | J | 1.09 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.006 | J | 2.08 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | 0.020 | J | 2.79 | | 0.05 |
| Acetone | | U | | 0.004 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.049 | J | 3.28 | | 0.05 |
| Acrylonitrile | | U | | 0.019 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.08 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.129 | | 5.53 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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177

Pacific Environmental Services

Project Number: 46323
Sample File: FX981

Method 8260 VOST
Sample ID: T-V-3-3-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-18A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed: 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.004 | 0.05 |
| Toluene | 0.217 | | 8.11 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₃ | | IS 3 | 10.38 | | |
| Tetrachloroethene | 0.028 | J | 8.95 | | 0.05 |
| 2-Hexanone | | U | | 0.008 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.071 | | 10.70 | | 0.05 |
| m-/p-Xylene | 0.378 | | 10.94 | | 0.10 |
| o-Xylene | 0.124 | | 11.66 | | 0.05 |
| Styrene | 0.037 | J | 11.73 | | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₂ | | IS 4 | 15.78 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: FX981

Method 8260 VOST

Sample ID: T-V-3-3-A,B T/TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICA1F821

TLI ID: 214-27-18A,B

Date Analyzed: 08/24/98

Surrogate Summary

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.210 | 5.19 | 1 | 84 |
| Toluene-d ₈ | 0.265 | 8.02 | 2 | 106 |
| 4-Bromofluorobenzene | 0.268 | 12.69 | 2 | 107 |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 16:49 08/25/1998

382

179

Pacific Environmental Services

Project Number: 46323
Sample File: FX981

Method 8260 VOST
Sample ID: T-V-3-3-A,B T/TC

Client Project: R012.001
FLI ID: 214-27-18A,B

Date Received: 07/29/98

Response File: ICALF824

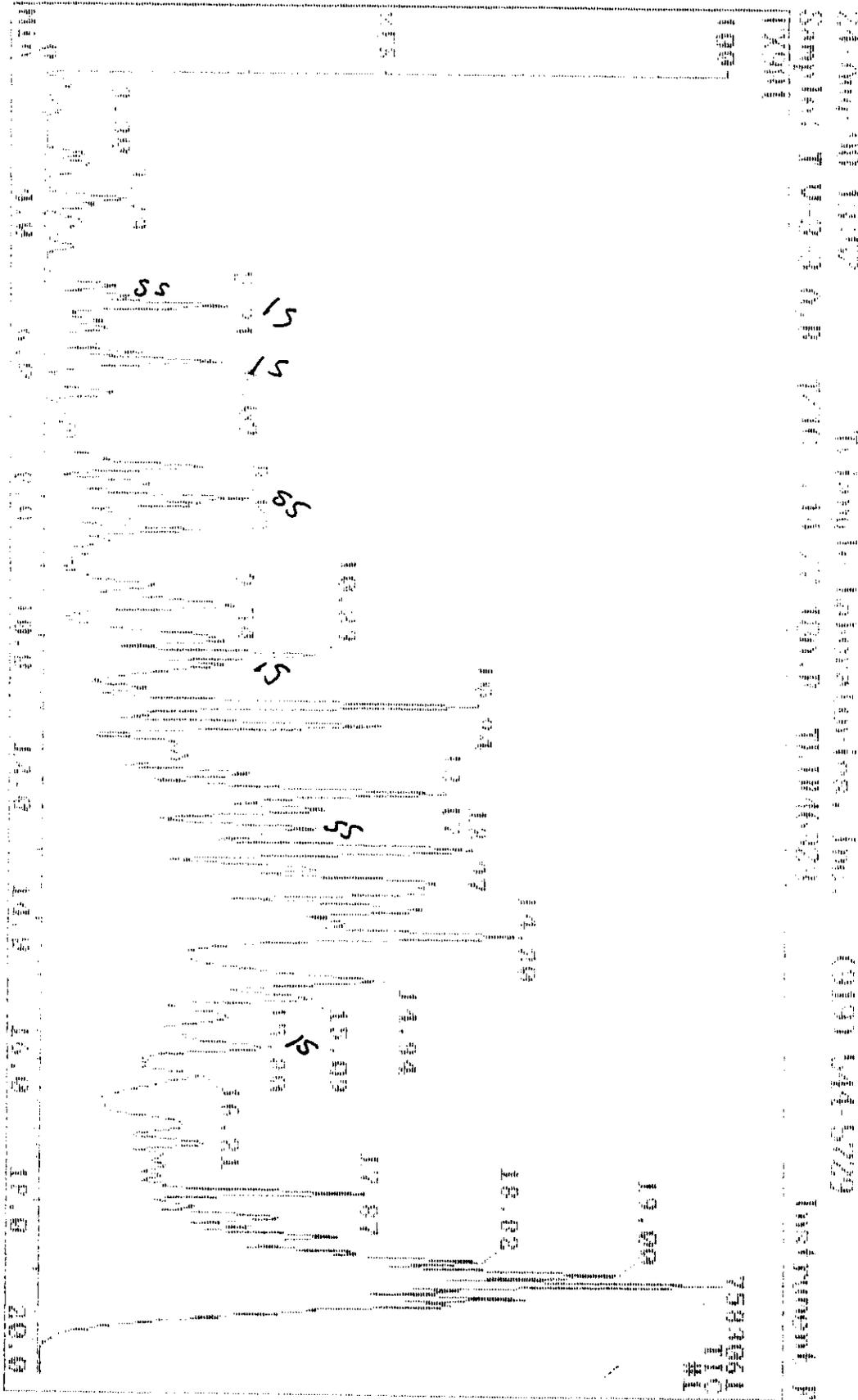
Date Analyzed: 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.31 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.015 | J | 3.63 | | 0.25 |
| n-Hexane | 0.142 | J | 3.90 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.023 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.08 | | |
| Ethyl acrylate | | U | | 0.006 | 0.25 |

Reviewed by PAR Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range



| No. | MAT | FOR | REV | Delta | Amount | Flags | RF | QM Name |
|-----|-----|-----|-----|-------|---------|-------|---------|------------------------------------|
| 1 | 100 | 67 | 25 | 2 | 4552064 | 00 | 5.1311 | 113 Phenyltolonolbenzamide |
| 2 | 100 | 60 | 21 | 3 | 4277304 | 00 | 6.1011 | 114 1,3-ClF ₂ benzamide |
| 3 | 93 | 67 | 15 | 1 | 3195160 | 00 | 10.3311 | 117 Cl ₂ benzamide |
| 4 | 100 | 60 | 25 | 1 | 1547456 | 00 | 15.1312 | 152 1,3-ClF ₂ benzamide |
| 5 | 100 | 66 | 15 | 0 | 1457257 | 00 | 5.1021 | 115 Diethyltolonolbenzamide |
| 6 | 100 | 61 | 24 | 0 | 3231332 | 00 | 8.1021 | 98 toluene |
| 7 | 70 | 14 | 68 | 1 | 1115221 | 00 | 17.1021 | 95 4-ethyltolonolbenzamide |
| 8 | 70 | 14 | 68 | 1 | 3154123 | 00 | 17.1021 | 39 1,3-ClF ₂ benzamide |
| 9 | 0 | 0 | 0 | 4 | 0 | 00 | 0.1000 | 106 Methyl benzoate |
| 10 | 100 | 60 | 35 | 4 | 51176 | 00 | 5.1000 | 71 MPPF |
| 11 | 100 | 96 | 26 | 2 | 1705504 | 00 | 1.1000 | 77 methylene |
| 12 | 100 | 96 | 26 | 2 | 1705504 | 00 | 1.1000 | 78 1,2-ClF ₂ benzamide |
| 13 | 100 | 96 | 26 | 2 | 1705504 | 00 | 1.1000 | 92 toluene |
| 14 | 100 | 96 | 26 | 2 | 1705504 | 00 | 1.1000 | 93 1,2-ClF ₂ benzamide |

~~GA RUB~~

~~GA RUB~~

~~GA RUB~~

~~GA RUB~~

24-Aug-98 13:52

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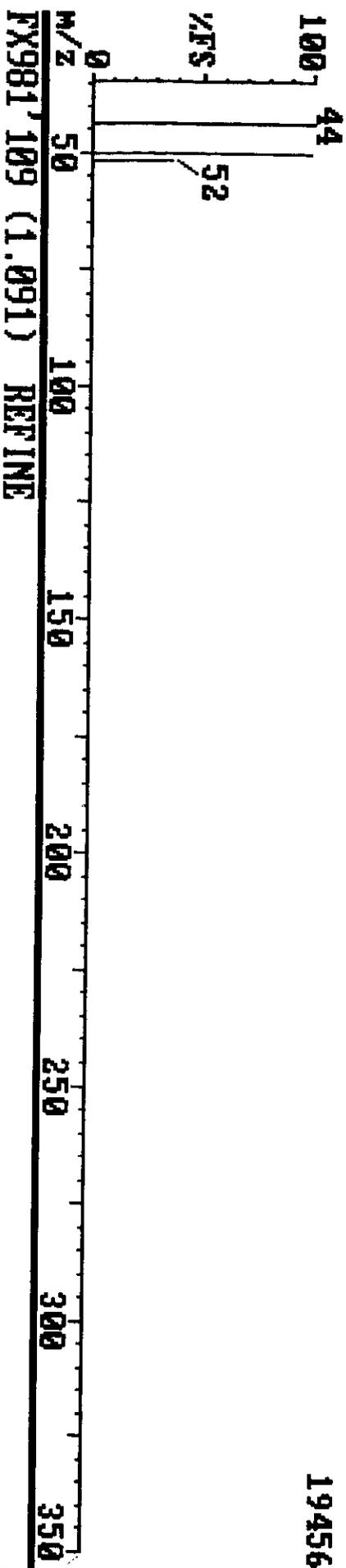
(919) 544-5729

Sample: T-U-3-3-A,B T/TC 214-27-18A,B TL1#46323

Instrument F

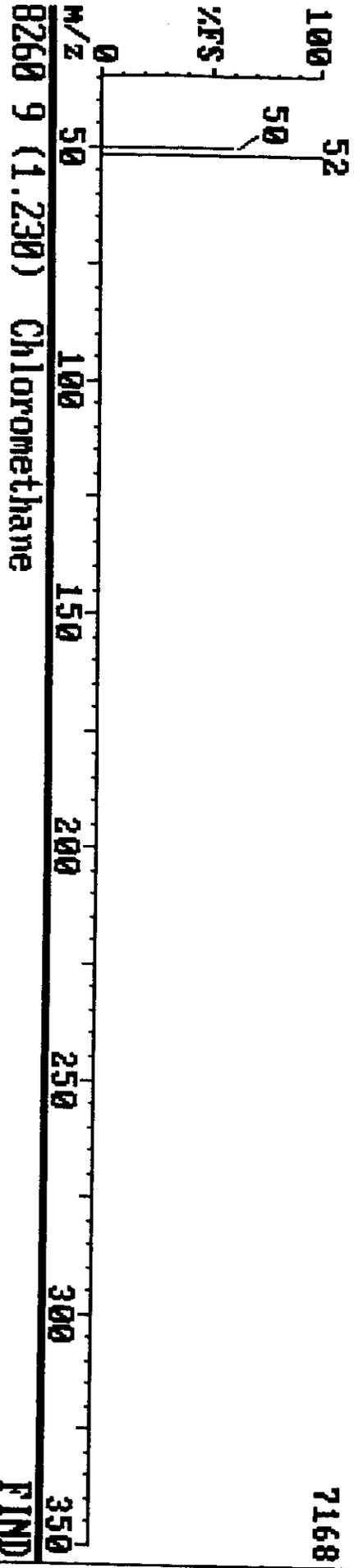
FX981 109 (1.090)

19456



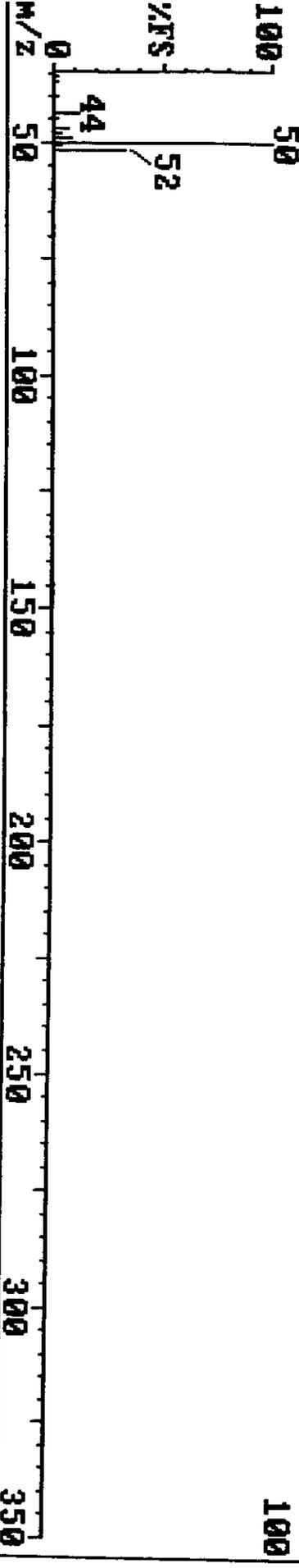
FX981 109 (1.091) REFINE

7168



8260 9 (1.230) Chloromethane

FIND 100



24-Aug-98 13:52

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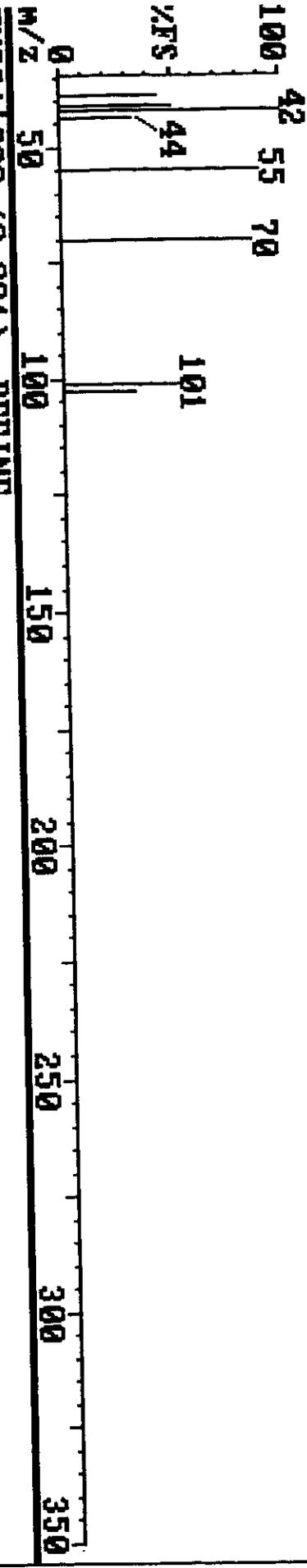
(919) 544-5729

Instrument F

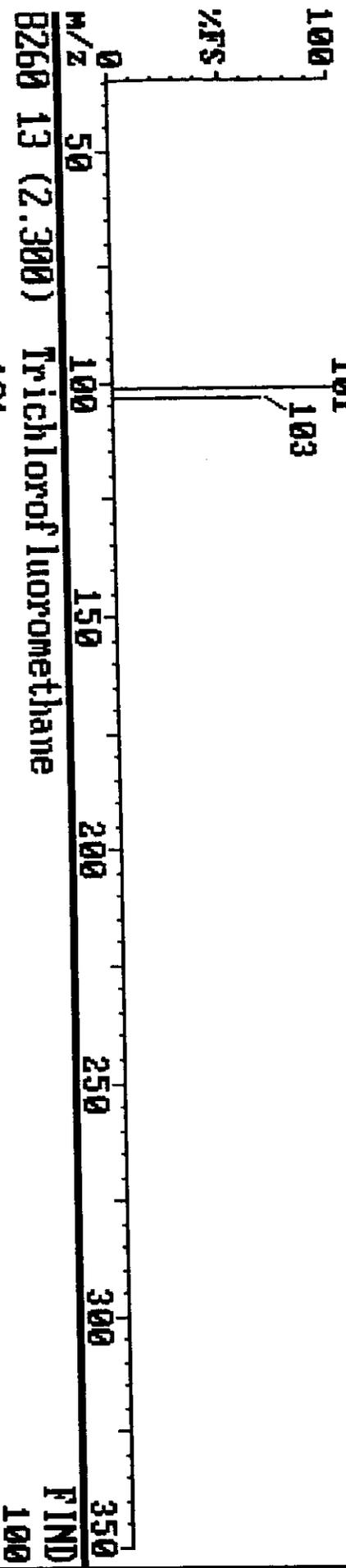
Sample: T-U-3-3-A,B T/TC 214-27-18A,B TL1#46323

FX981 208 (2.080)

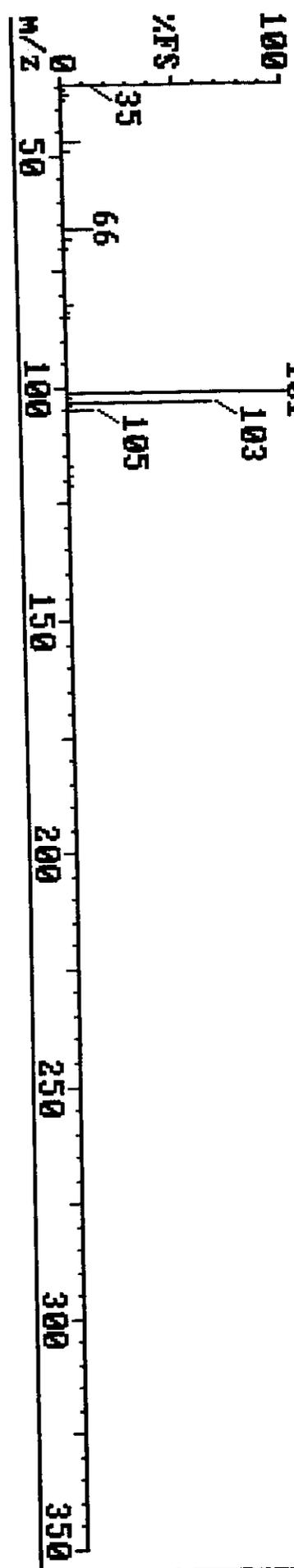
26368



13632



FIND 100



24-Aug-98 13:52

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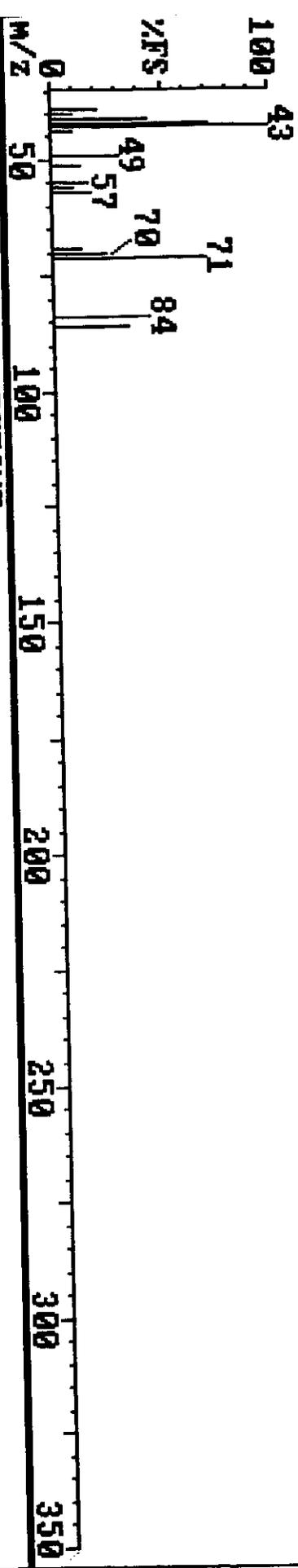
(919) 544-5729

Instrument F

Sample: T-U-3-3-A, B T/TIC 214-27-18A, B TL#46323

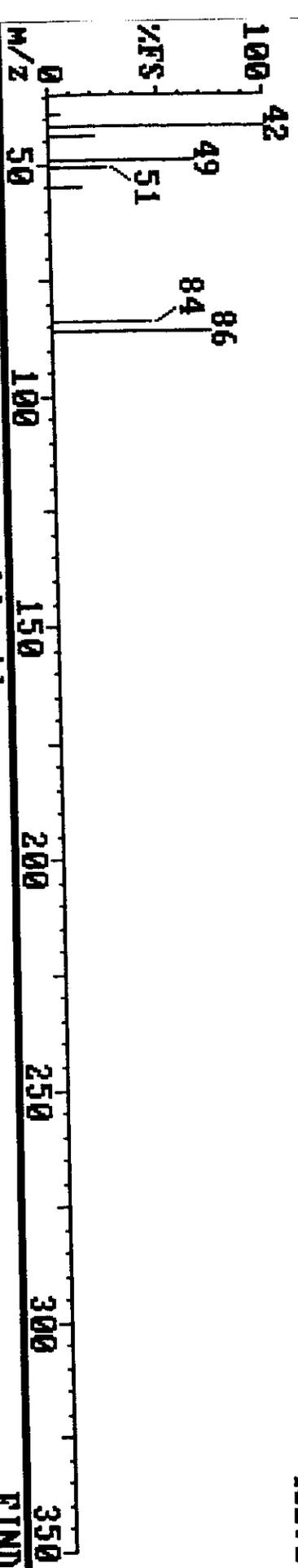
FY981 328 (3.280)

84992



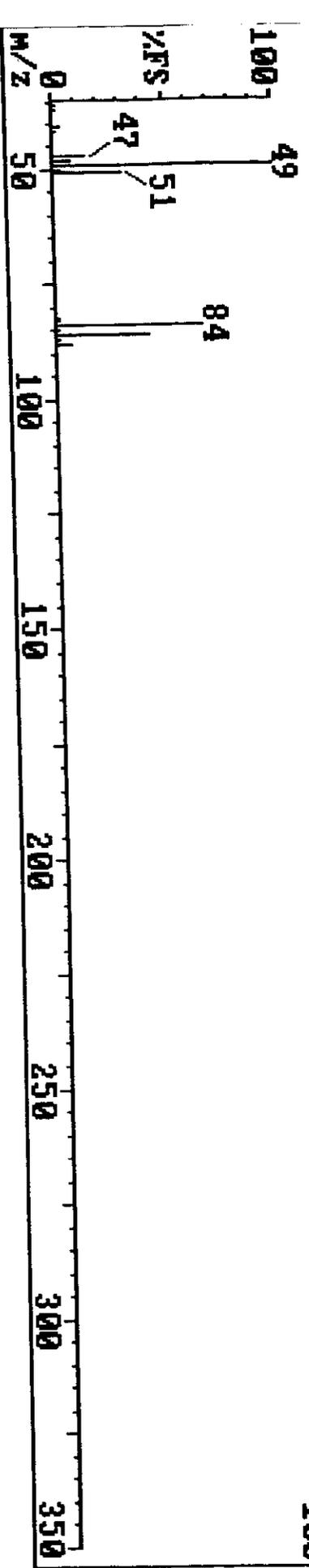
FY981 328 (3.281) REFINE

40192



8260 15 (3.550) Methylene chloride

FIND 100



| Account No. | Description | Debit | Credit | Balance |
|-------------|-------------|-------|--------|---------|
| 100 | 100 | | | 100 |
| 200 | 200 | | | 200 |
| 300 | 300 | | | 300 |
| 400 | 400 | | | 400 |
| 500 | 500 | | | 500 |
| 600 | 600 | | | 600 |
| 700 | 700 | | | 700 |
| 800 | 800 | | | 800 |
| 900 | 900 | | | 900 |
| 1000 | 1000 | | | 1000 |
| 1100 | 1100 | | | 1100 |
| 1200 | 1200 | | | 1200 |
| 1300 | 1300 | | | 1300 |
| 1400 | 1400 | | | 1400 |
| 1500 | 1500 | | | 1500 |
| 1600 | 1600 | | | 1600 |
| 1700 | 1700 | | | 1700 |
| 1800 | 1800 | | | 1800 |
| 1900 | 1900 | | | 1900 |
| 2000 | 2000 | | | 2000 |
| 2100 | 2100 | | | 2100 |
| 2200 | 2200 | | | 2200 |
| 2300 | 2300 | | | 2300 |
| 2400 | 2400 | | | 2400 |
| 2500 | 2500 | | | 2500 |
| 2600 | 2600 | | | 2600 |
| 2700 | 2700 | | | 2700 |
| 2800 | 2800 | | | 2800 |
| 2900 | 2900 | | | 2900 |
| 3000 | 3000 | | | 3000 |
| 3100 | 3100 | | | 3100 |
| 3200 | 3200 | | | 3200 |
| 3300 | 3300 | | | 3300 |
| 3400 | 3400 | | | 3400 |
| 3500 | 3500 | | | 3500 |
| 3600 | 3600 | | | 3600 |
| 3700 | 3700 | | | 3700 |
| 3800 | 3800 | | | 3800 |
| 3900 | 3900 | | | 3900 |
| 4000 | 4000 | | | 4000 |
| 4100 | 4100 | | | 4100 |
| 4200 | 4200 | | | 4200 |
| 4300 | 4300 | | | 4300 |
| 4400 | 4400 | | | 4400 |
| 4500 | 4500 | | | 4500 |
| 4600 | 4600 | | | 4600 |
| 4700 | 4700 | | | 4700 |
| 4800 | 4800 | | | 4800 |
| 4900 | 4900 | | | 4900 |
| 5000 | 5000 | | | 5000 |
| 5100 | 5100 | | | 5100 |
| 5200 | 5200 | | | 5200 |
| 5300 | 5300 | | | 5300 |
| 5400 | 5400 | | | 5400 |
| 5500 | 5500 | | | 5500 |
| 5600 | 5600 | | | 5600 |
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| 5800 | 5800 | | | 5800 |
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| 6000 | 6000 | | | 6000 |
| 6100 | 6100 | | | 6100 |
| 6200 | 6200 | | | 6200 |
| 6300 | 6300 | | | 6300 |
| 6400 | 6400 | | | 6400 |
| 6500 | 6500 | | | 6500 |
| 6600 | 6600 | | | 6600 |
| 6700 | 6700 | | | 6700 |
| 6800 | 6800 | | | 6800 |
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| 7100 | 7100 | | | 7100 |
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| 7300 | 7300 | | | 7300 |
| 7400 | 7400 | | | 7400 |
| 7500 | 7500 | | | 7500 |
| 7600 | 7600 | | | 7600 |
| 7700 | 7700 | | | 7700 |
| 7800 | 7800 | | | 7800 |
| 7900 | 7900 | | | 7900 |
| 8000 | 8000 | | | 8000 |
| 8100 | 8100 | | | 8100 |
| 8200 | 8200 | | | 8200 |
| 8300 | 8300 | | | 8300 |
| 8400 | 8400 | | | 8400 |
| 8500 | 8500 | | | 8500 |
| 8600 | 8600 | | | 8600 |
| 8700 | 8700 | | | 8700 |
| 8800 | 8800 | | | 8800 |
| 8900 | 8900 | | | 8900 |
| 9000 | 9000 | | | 9000 |
| 9100 | 9100 | | | 9100 |
| 9200 | 9200 | | | 9200 |
| 9300 | 9300 | | | 9300 |
| 9400 | 9400 | | | 9400 |
| 9500 | 9500 | | | 9500 |
| 9600 | 9600 | | | 9600 |
| 9700 | 9700 | | | 9700 |
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14-Aug-98 13:52

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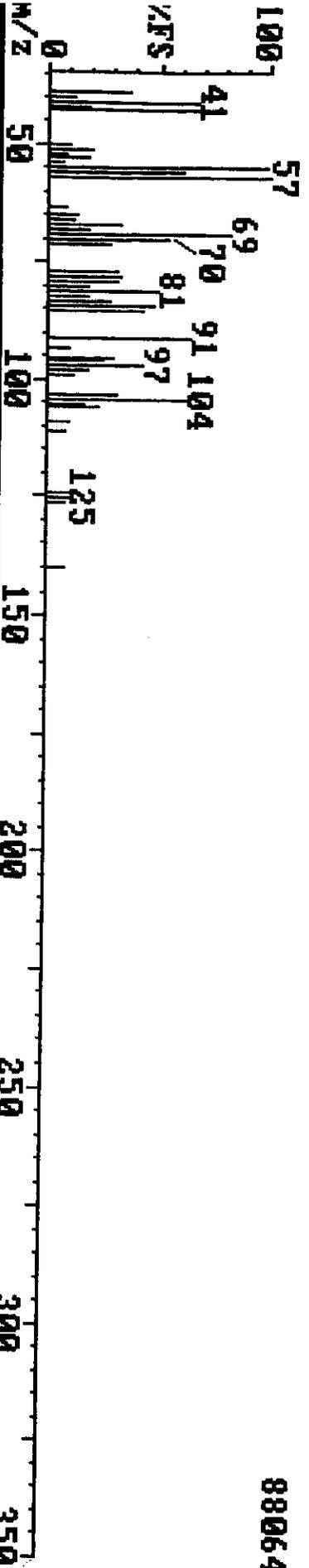
(919) 544-5729

Sample: T-U-3-3-A,B T/TC 214-27-18A,B TL#46323

Instrument F

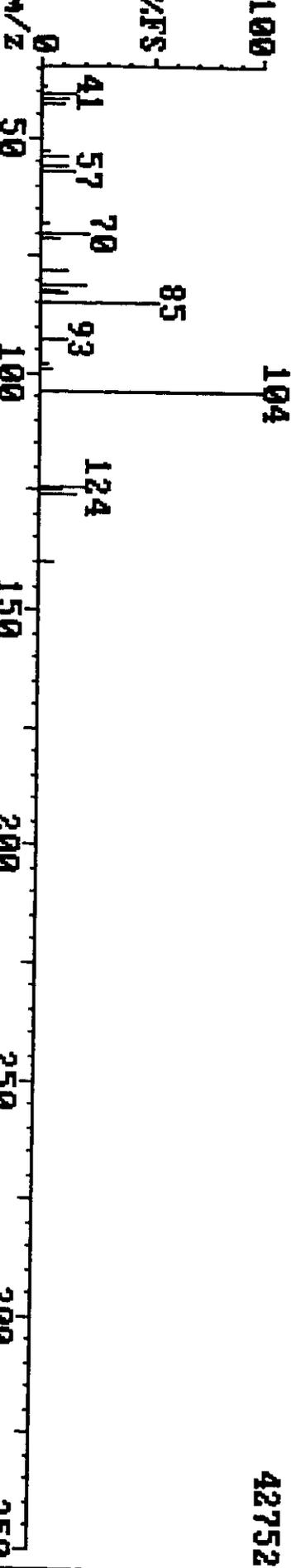
FX981 1173 (11.731)

88064



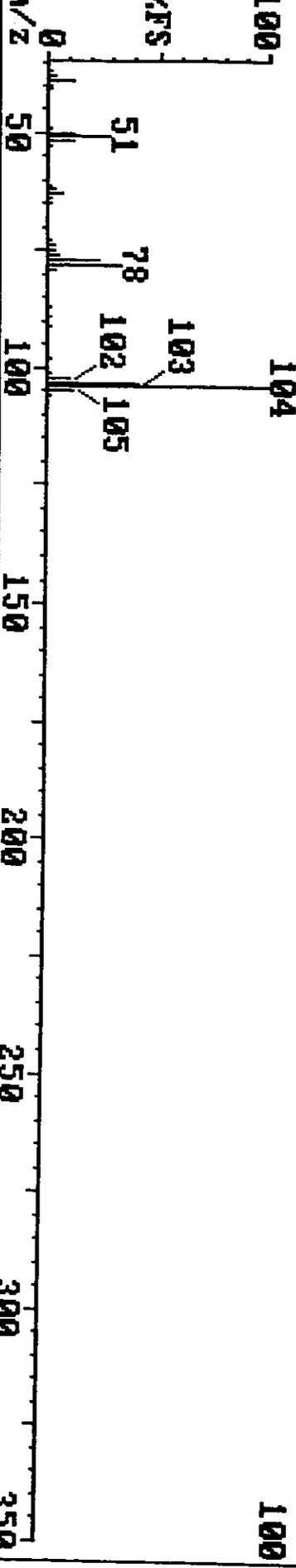
FX981 1173 (11.731) REFINE

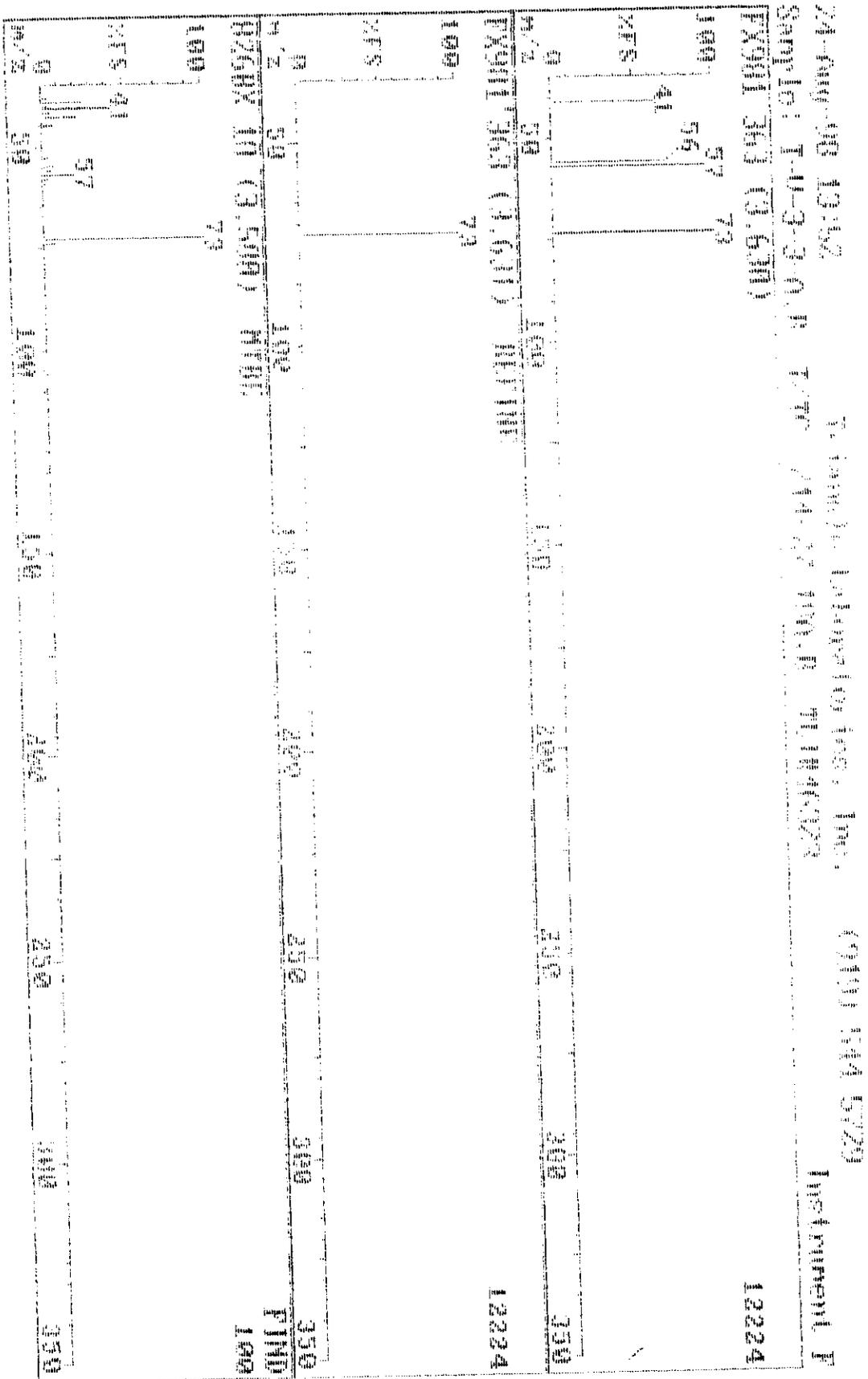
42752



8260 44 (12.371) Styrene

FIND
100





| NO. | DESCRIPTION | AMOUNT | CREDIT | DEBIT | BALANCE |
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Pacific Environmental Services

Project Number: 46323
Sample File: HW562

Method 8260 VOST
Sample ID: T-V-4-1-A T

Client Project: R012.001
TLI ID: 214-27-20A

Date Received: 07/29/98

Response File: ICALH809

Date Analyzed : 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.03 | | |
| Chloromethane | 0.010 | BJ | 0.97 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.010 | BJ | 1.48 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.009 | J | 1.91 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | 0.151 | | 2.74 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.038 | BJ | 3.06 | | 0.05 |
| Acrylonitrile | | U | | 0.007 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | 0.051 | | 4.51 | | 0.05 |
| Chloroform | 0.006 | J | 4.75 | | 0.05 |
| 1,1,1-Trichloroethane | 0.012 | J | 4.84 | | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 5.75 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.091 | B | 5.22 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | 0.001 | J | 5.99 | | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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 Printed: 16:11 08/10/1998

Pacific Environmental Services

Project Number: 46323
Sample File: HW562

Method 8260 VOST
Sample ID: T-V-4-1-A T

Client Project: R012.001
TLI ID: 214-27-20A

Date Received: 07/29/98

Response File: ICALH809

Date Analyzed : 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|---------------------|-------------|-----------|-------------------------|--------------------------|
| Methyl methacrylate | | U | | 0.003 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.002 | 0.05 |
| Toluene | 0.133 | B | 7.70 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 9.94 | | |
| Tetrachloroethene | 0.016 | J | 8.53 | | 0.05 |
| 2-Hexanone | | U | | 0.002 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.018 | J | 10.28 | | 0.05 |
| m-/p-Xylene | 0.056 | J | 10.52 | | 0.10 |
| o-Xylene | 0.024 | J | 11.23 | | 0.05 |
| Styrene | 0.025 | BJ | 11.28 | | 0.05 |
| Bromoform | | U | | 0.001 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.07 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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402

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Printed: 16:11 08/10/1998

193

Pacific Environmental Services

Project Number: 46323
Sample File: HW562

Method 8260 VOST
Sample ID: T-V-4-1-A T

Client Project: R012.001
TLI ID: 214-27-20A

Date Received: 07/29/98
Date Analyzed: 08/09/98

Response File: ICALH809

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.262 | 4.91 | 1 | 105 |
| Toluene-d ₈ | 0.282 | 7.60 | 2 | 113 |
| 4-Bromofluorobenzene | 0.384 | 12.24 | 2 | 154 |

Reviewed by PAB Date 8/20/98 *1 @ AUB 8/10/98*

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit
IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: HW562

Method 8260 VOST

Sample ID: T-V-4-1-A T

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALH809

TLI ID: 214-27-20A

Date Analyzed: 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.03 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.114 | J | 3.41 | | 0.25 |
| n-Hexane | 0.034 | J | 3.66 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.055 | 0.25 |
| Iso-Octane | 0.012 | J | 5.38 | | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 5.75 | | |
| Ethyl acrylate | | U | | 0.001 | 0.25 |

Reviewed by GWS Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

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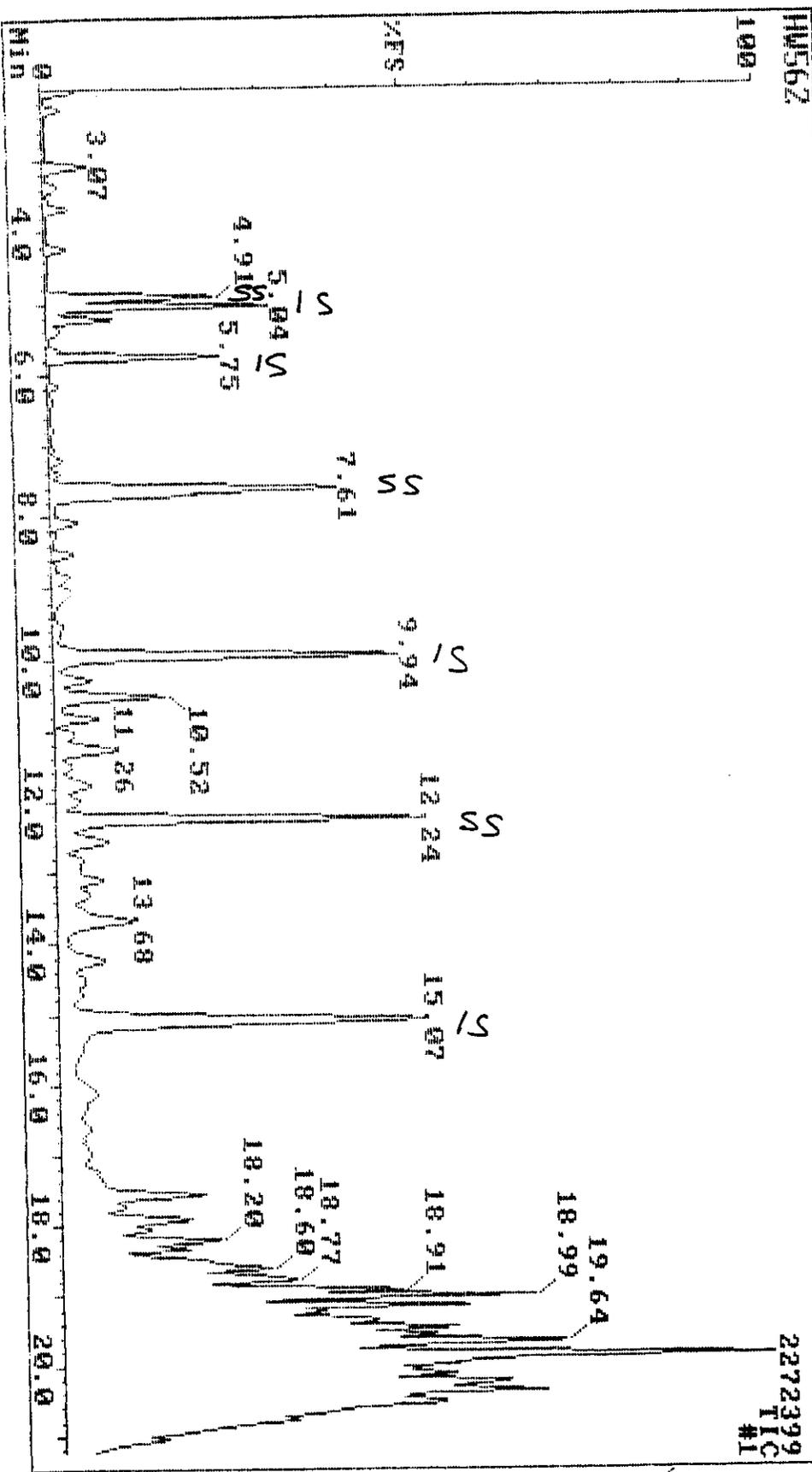
Savar v3.7

Printed: 16:48 08/10/1998

404

201

08-09-98 18:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
 Sample: T-U-4-1-A T 214-27-20A TL#46323



Data Review: *PaB*
 Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|---------------|------------------|---------------|-----------------|------------------------------|
| 1 | 100 | 84 | 99 | -6 | 1824832 | bb | 5.03 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 98 | -1 | 1672116 | bv | 5.75 | 114 1,4-Difluorobenzene |
| 3 | 100 | 94 | 95 | 4 | 3173136 | bv | 9.94 | 117 Chlorobenzene-d5 |
| 4 | 100 | 75 | 99 | -4 | 2324848 | bv | 15.07 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 94 | 100 | 1 | 1018220 | bv | 4.91 | 113 Dibromofluoromethane |
| 6 | 100 | 91 | 98 | -1 | 2642836 | bv | 7.60 | 98 Toluene-d8 |
| 7 | 96 | 89 | 94 | 7 | 1931123 | vv | 12.24 | 95 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 85 Dichlorodifluoromethane |
| 9 | 100 | 82 | 82 | -1 | 26264 | bv | 0.97 | 50 Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 Vinyl Chloride |
| 11 | 100 | 78 | 91 | 0 | 30116 | bv | 1.48 | 94 Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 64 Chloroethane |
| 13 | 100 | 77 | 91 | 0 | 70572 | bb | 1.91 | 101 Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 1,1-Dichloroethene |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 142 Iodomethane |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 Carbon disulfide |
| 17 | 85 | 74 | 93 | 8 | 55188 | bv | 2.74 | 43 Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Allyl chloride |
| 19 | 81 | 58 | 71 | 0 | 97924 | bv | 3.06 | 84 Methylene chloride |
| 20 | 9 | 1 | 16 | 5 | 368 | bc | 3.35 | 53 Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 trans-1,2-Dichloroethene |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 45 Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 77 2,2-Dichloropropane |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 cis-1,2-Dichloroethene |
| 26 | 100 | 87 | 87 | 2 | 23632 | bv | 4.51 | 43 2-Butanone |
| 27 | 100 | 82 | 92 | 0 | 32932 | bb | 4.75 | 85 Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 128 Bromochloromethane |
| 29 | 81 | 58 | 78 | -1 | 65932 | bb | 4.84 | 97 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 117 Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,1-Dichloropropene |
| 32 | 100 | 96 | 98 | 0 | 711096 | bv | 5.22 | 78 Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 1,2-Dichloroethane |
| 34 | 81 | 66 | 66 | -1 | 1604 | bb | 5.99 | 130 Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,2-Dichloropropane |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 93 Dibromomethane |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 cis-1,3-Dichloropropene |
| 40 | 50 | 2 | 73 | 1 | 38864 | bv | 7.61 | 43 4-Methyl-2-pentanone |
| 41 | 100 | 94 | 99 | 0 | 900812 | bv | 7.70 | 92 Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 trans-1,3-Dichloropropene |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,2-Trichloroethane |
| 44 | 62 | 51 | 51 | -1 | 9220 | A | 8.43 | 69 Ethyl methacrylate |
| 45 | 100 | 84 | 96 | -2 | 75744 | bb | 8.53 | 164 Tetrachloroethene |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 1,3-Dichloropropane |
| 47 | 34 | 15 | 50 | 11 | 52172 | vv | 8.86 | 43 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 129 Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 107 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 112 Chlorobenzene |

Data Review: *FAB*
 Date: 8/10/98

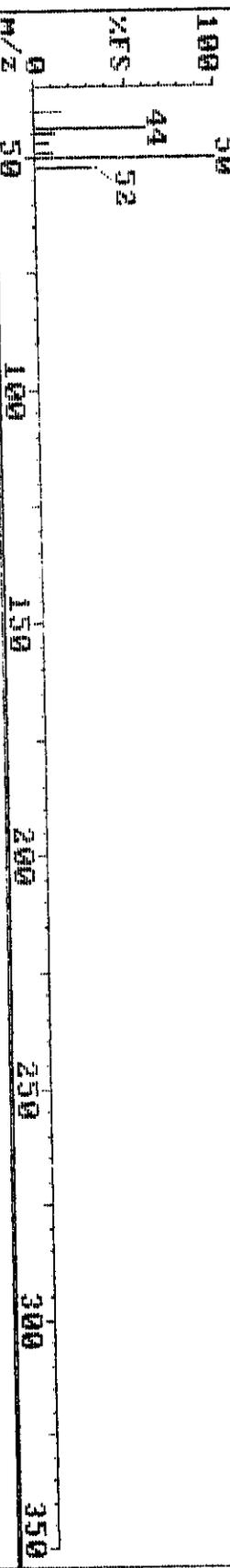
| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|-----|-----|-----|-------|--------|---------|-------|------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 131 1,1,1,2-Tetrachloroethan |
| 52 | 100 | 80 | 93 | 0 | 125776 | bv | 10.28 | 106 Ethylbenzene |
| 53 | 100 | 83 | 93 | 2 | 480652 | vv | 10.52 | 106 m-/p-Xylene |
| 54 | 100 | 82 | 87 | 1 | 194588 | bv | 11.23 | 106 o-Xylene |
| 55 | 98 | 77 | 88 | 1 | 326848 | bb | 11.28 | 104 Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 173 Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 105 Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 1,1,2,2-Tetrachloroethan |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 156 Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2,3-Trichloropropane |
| 61 | 61 | 38 | 72 | 6 | 37644 | bb | 12.87 | 120 n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 trans-1,4-Dichloro-2-but |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 4-Chlorotoluene |
| 65 | 61 | 71 | 92 | -17 | 512200 | bv | 13.11 | 105 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 tert-Butylbenzene |
| 67 | 96 | 69 | 93 | 2 | 447208 | bv | 14.23 | 105 1,2,4-Trimethylbenzene |
| 68 | 46 | 12 | 61 | -1 | 53228 | A | 14.72 | 105 sec-Butylbenzene |
| 69 | 71 | 41 | 75 | 0 | 209044 | bv | 15.32 | 119 p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 Benzyl chloride |
| 73 | 61 | 35 | 72 | 4 | 110413 | vv | 16.85 | 91 n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2-Dibromo-3-chloroprop |
| 76 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 180 1,2,4-Trichlorobenzene |
| 77 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 225 Hexachlorobutadiene |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 128 Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 180 1,2,3-Trichlorobenzene |

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|---------------|---------------|---------------|---------------|------------------|---------------|-----------------|---------------|----------------------------|
| 1 | 100 | 84 | 99 | -1 | 1824832 | bb | 5.03 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 98 | 0 | 1672116 | bv | 5.75 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 94 | 95 | 2 | 3173136 | bv | 9.94 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 75 | 99 | 5 | 2324848 | bv | 15.07 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 94 | 100 | 2 | 1018220 | bv | 4.91 | 113 | Dibromofluoromethane |
| 6 | 100 | 91 | 98 | -3 | 2642836 | bv | 7.60 | 98 | Toluene-d8 |
| 7 | 100 | 89 | 94 | 5 | 1931123 | vv | 12.24 | 95 | 4-Bromofluorobenzene |
| 8 | 75 | 43 | 77 | 2 | 55292 | A | 1.08 | 39 | 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 | Vinyl bromide |
| 10 | 100 | 87 | 90 | 2 | 103404 | bb | 3.41 | 73 | MTBE |
| 11 | 100 | 98 | 98 | 1 | 169304 | bb | 3.66 | 57 | n-Hexane |
| 12 | 62 | 44 | 57 | -2 | 33192 | bb | 4.22 | 42 | 1,2-Epoxybutane |
| 13 | 100 | 84 | 87 | 0 | 137300 | bv | 5.38 | 57 | Iso-Octane |
| 14 | 40 | 33 | 55 | 15 | 48472 | bb | 6.17 | 55 | Ethyl acrylate |

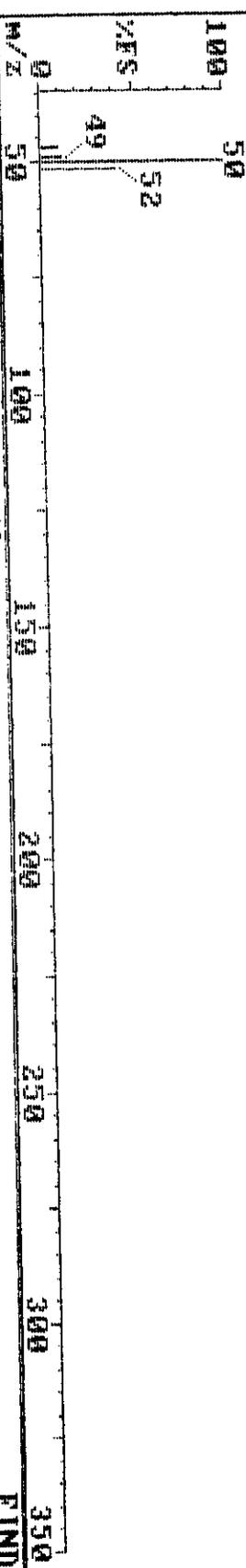
Data Review: *PaB*
 Date: 8/10/98

00-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
Sample: T-U-4-1-A T 214-27-20A TL1446323

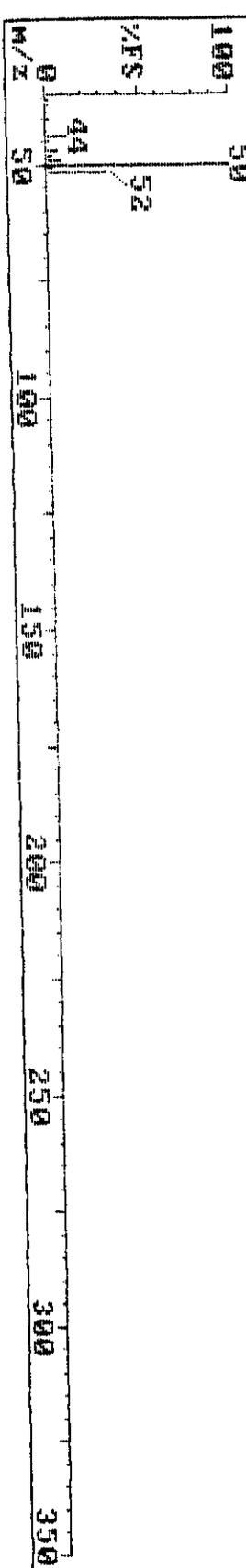
HW562 97 (0.970) 4864



HW562 97 (0.971) REFINE 4288

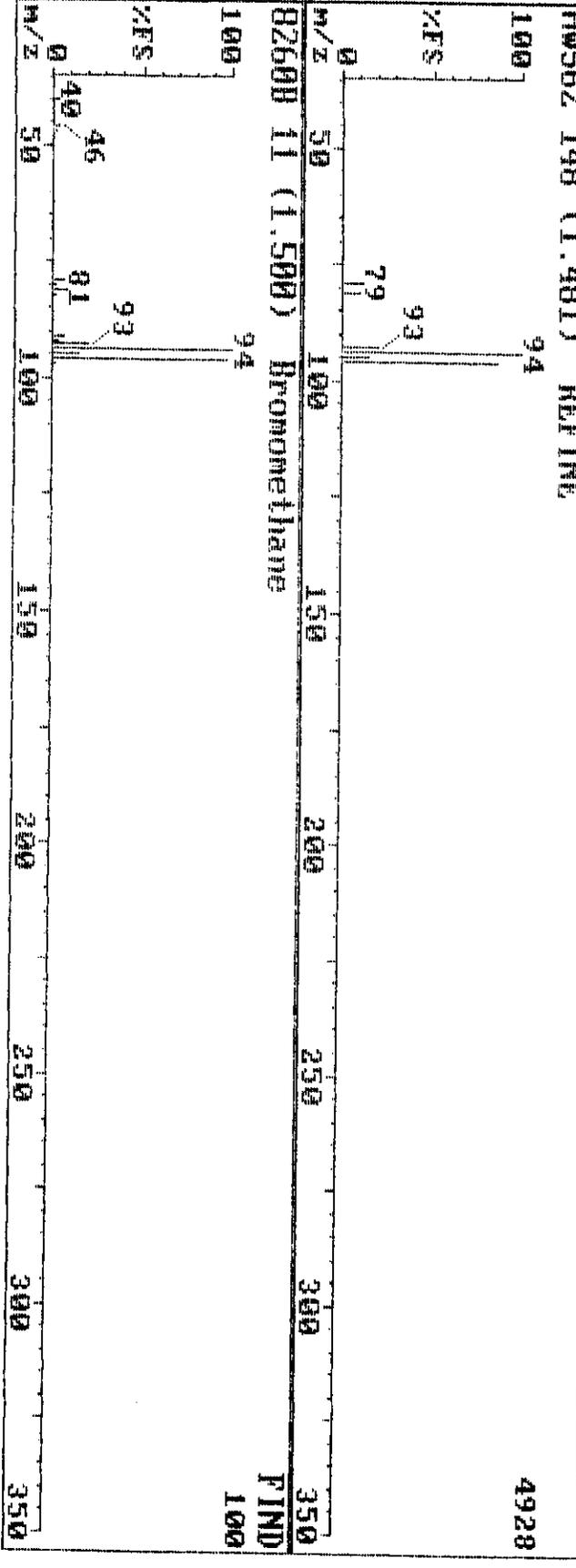
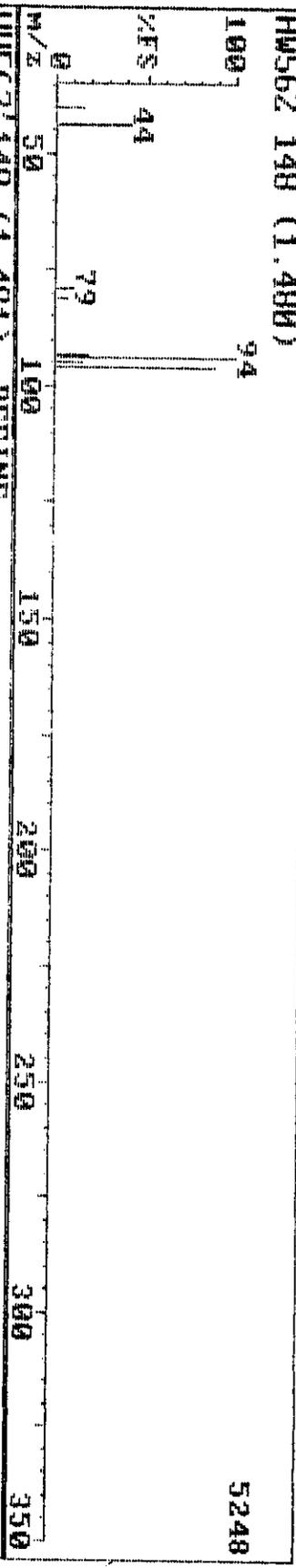


02600 9 (0.990) Chloromethane FIND 100



00-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-1-A T 214-27-20A TL#46323 Instrument H



08-09-98 10:37

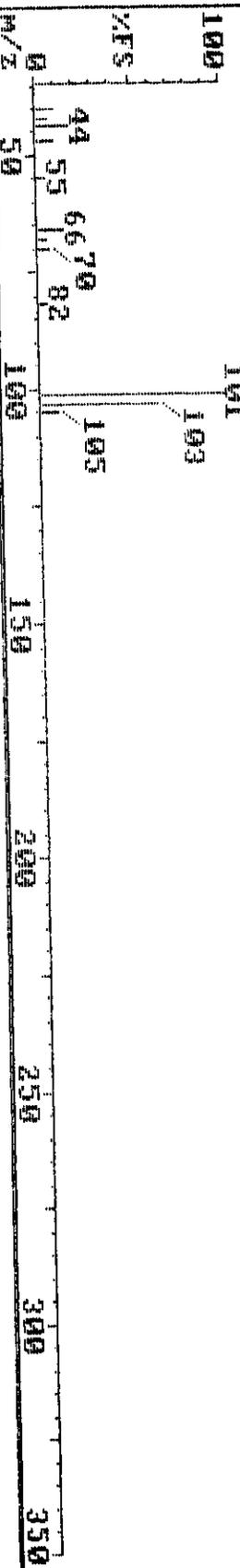
Triangle Laboratories, Inc. (919) 544-5729

Instrument H

Sample: T-U-4-1-A T 214-27-20A TL1446323

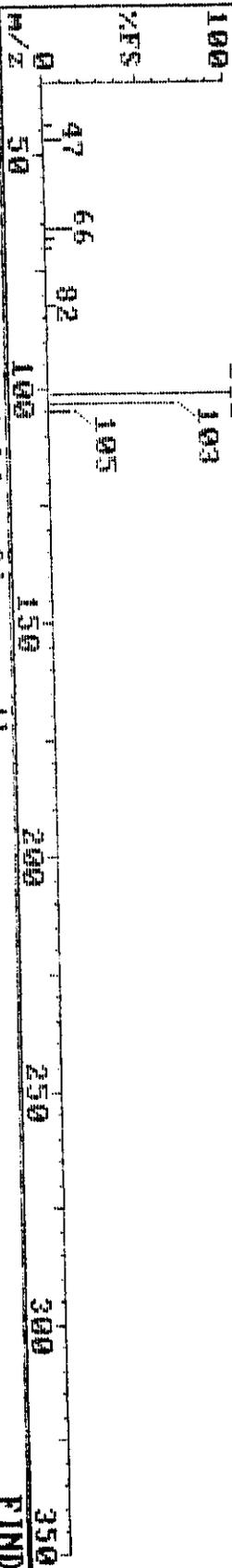
HM562 191 (1.910)

9216



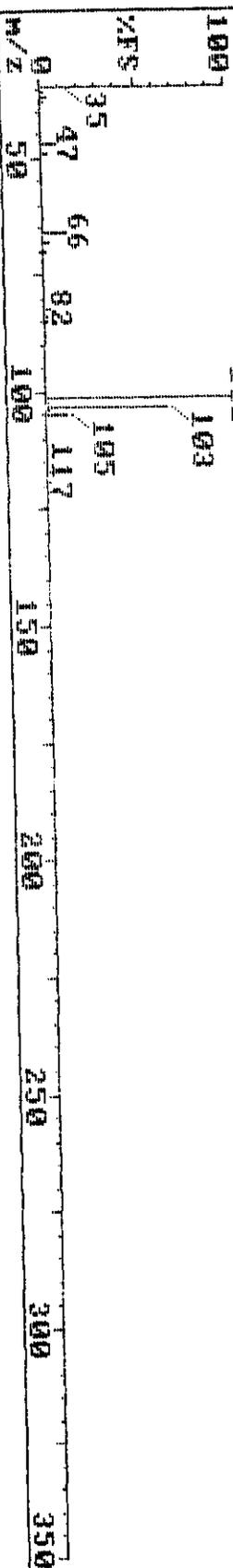
HM562 191 (1.911) REFINE

8512



02600 13 (1.930) Trichlorofluoromethane

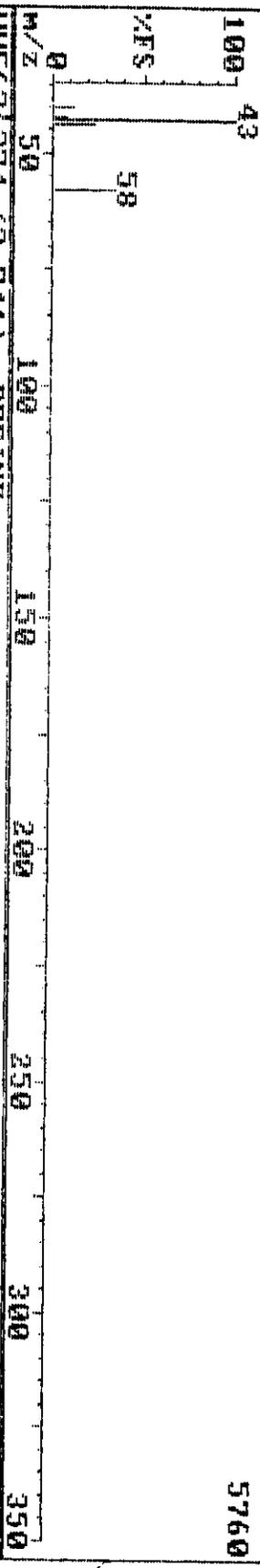
FIND 100



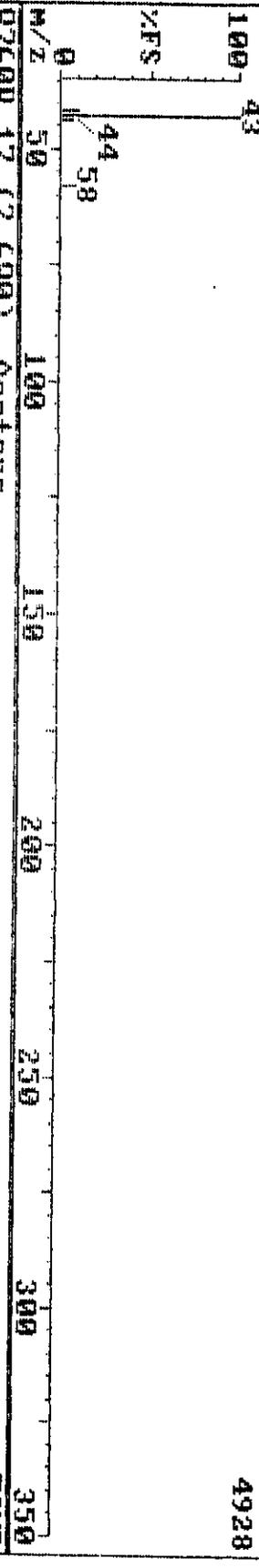
08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-1-A T 214-27-28A TL1#46323

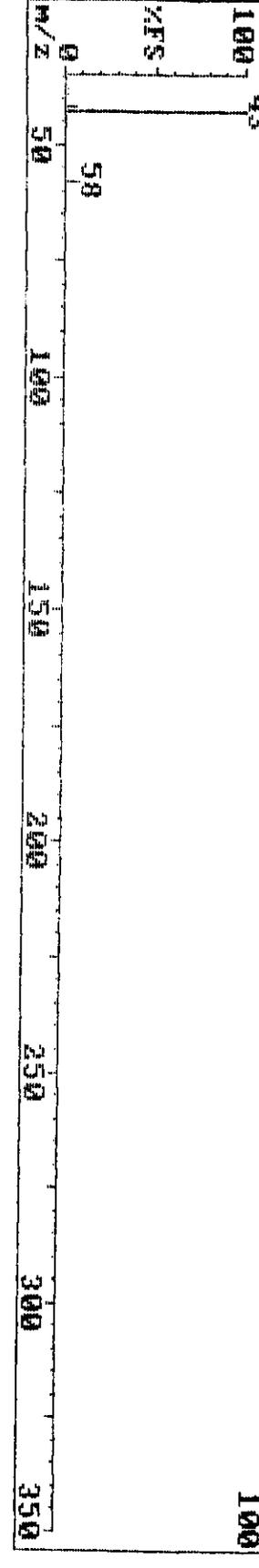
HM562 274 (2.740)



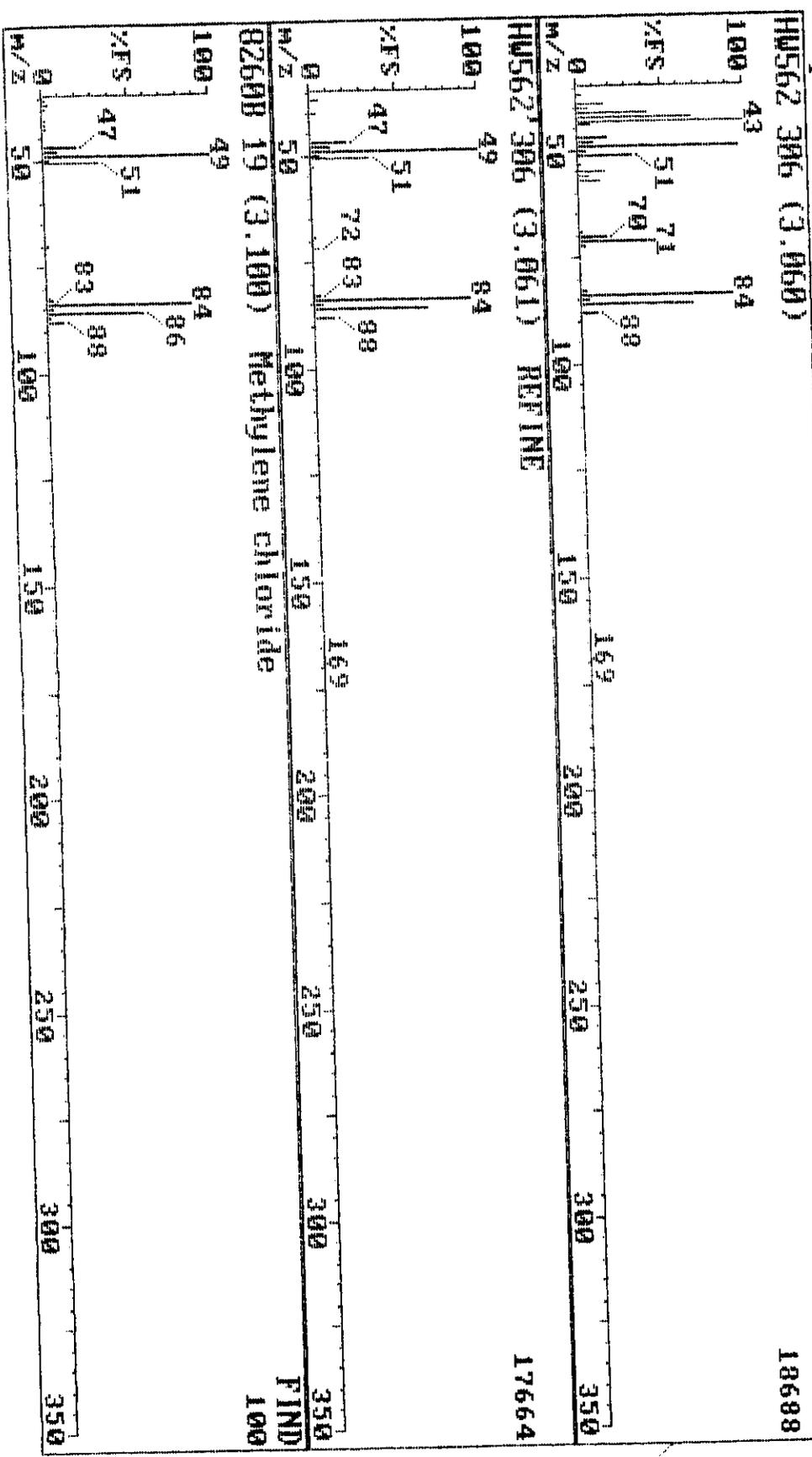
HM562 274 (2.741) REFINE



8260B 17 (2.690) Acetone



08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
Sample: T-U-4-1-A T 214-27-20A TL1W46323



08-09-98 10:37

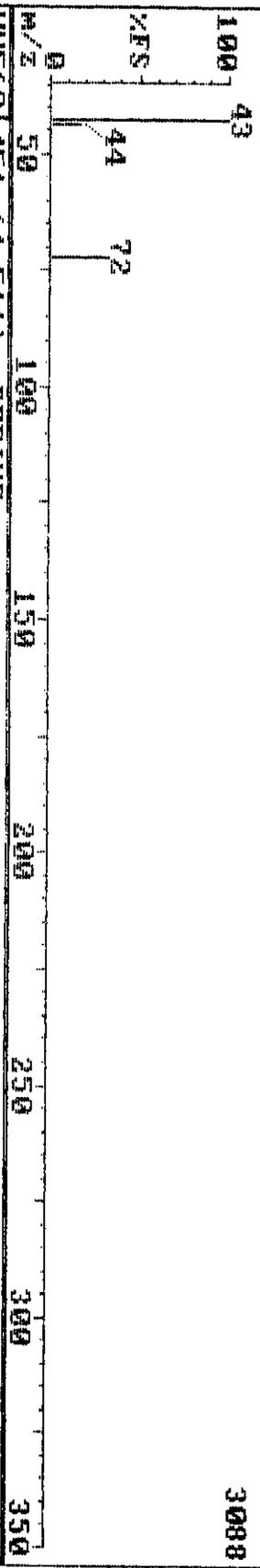
Triangle Laboratories, Inc.

(919) 544-5729

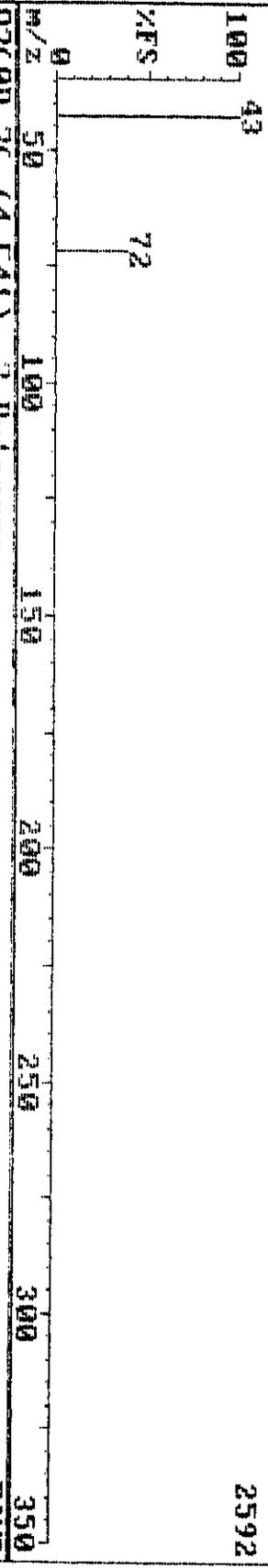
Sample: T-U-4-1-A T 214-27-28A TL1#46323

Instrument H

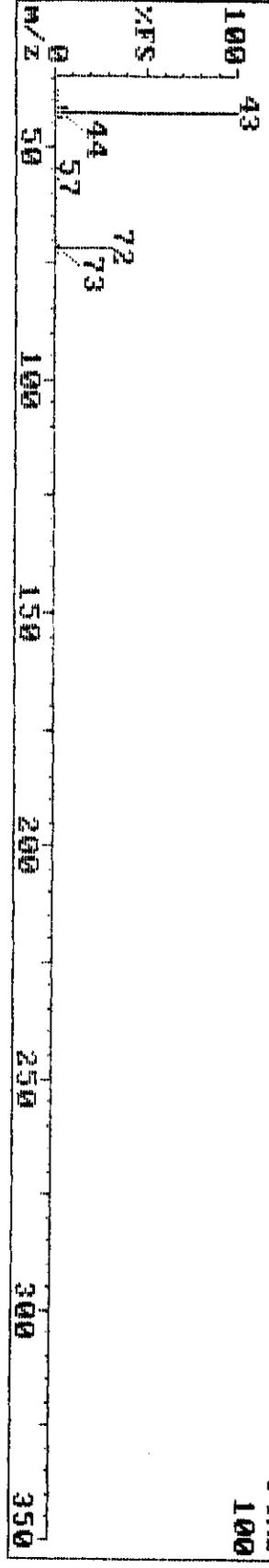
HM562 451 (4.510)



HM562 451 (4.511) REFINE



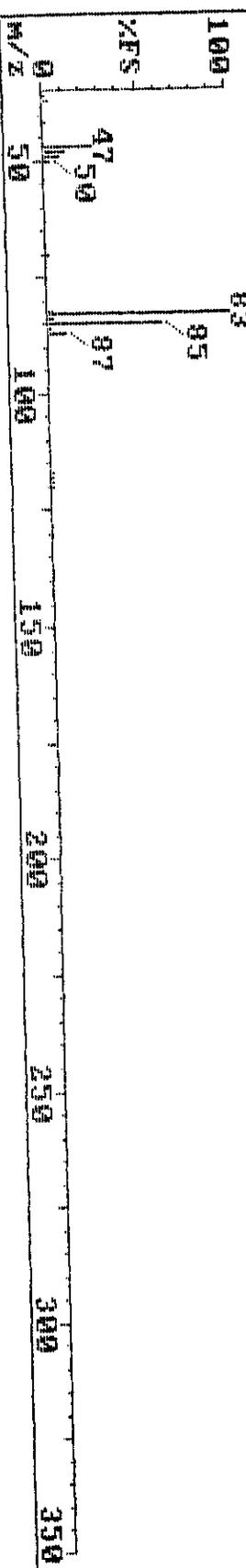
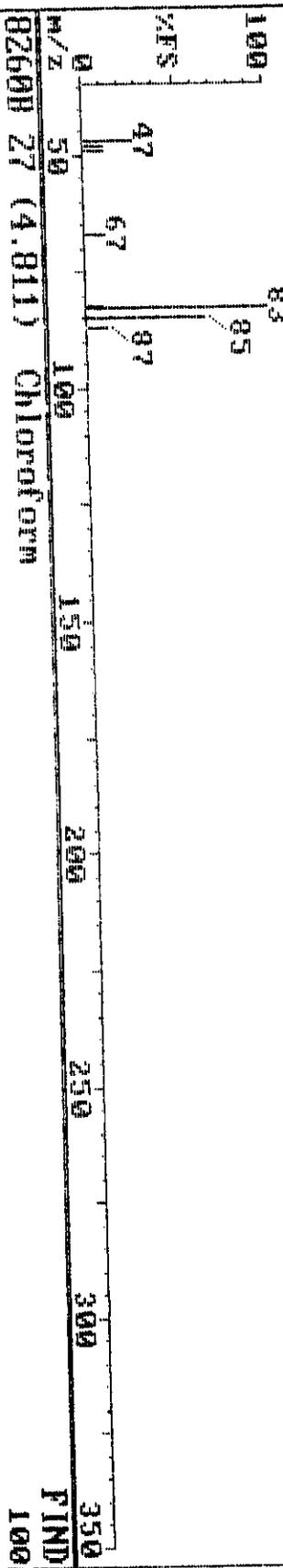
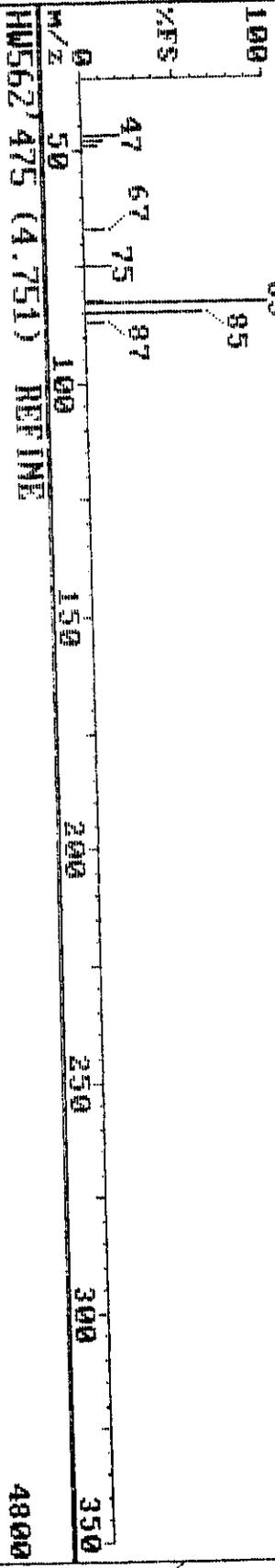
B260B 26 (4.541) 2-Butanone



FIND 100

08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
Sample: T-U-4-1-A T 214-27-20A TL#46323

HM562 475 (4.751) 4992



08-09-98 10:37

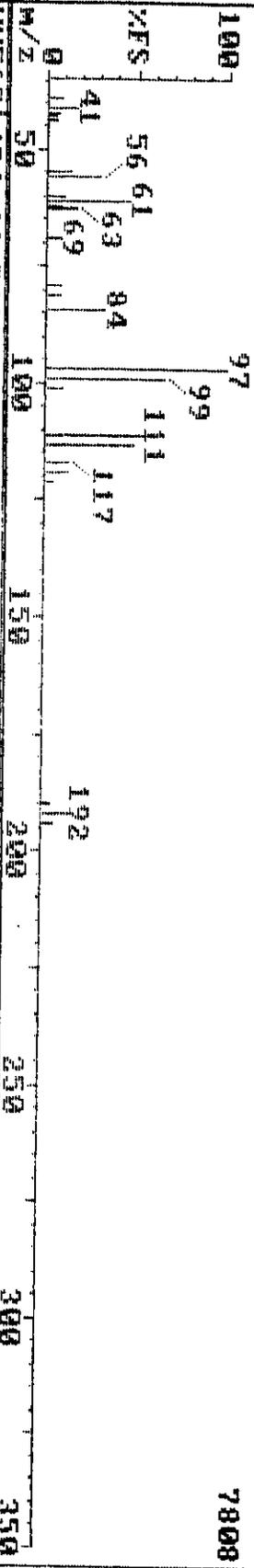
Triangle Laboratories, Inc.

(919) 544-5729

Sample: T-U-4-1-A T 214-27-200 TL1#46323

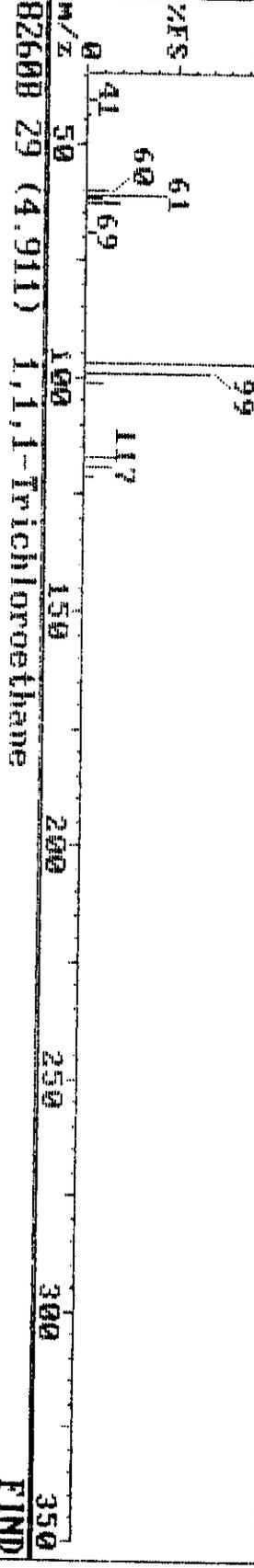
Instrument H

HW562 484 (4.841)



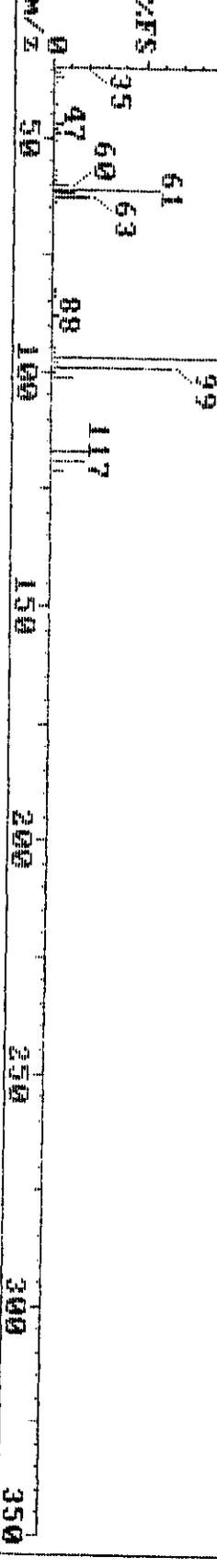
HW562 484 (4.841) REFINE

7360



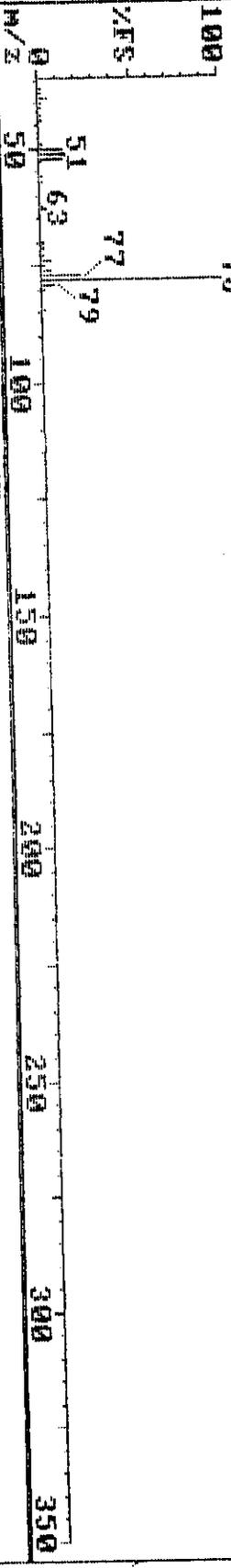
8260B 29 (4.911) 1,1,1-Trichloroethane

FIND 100

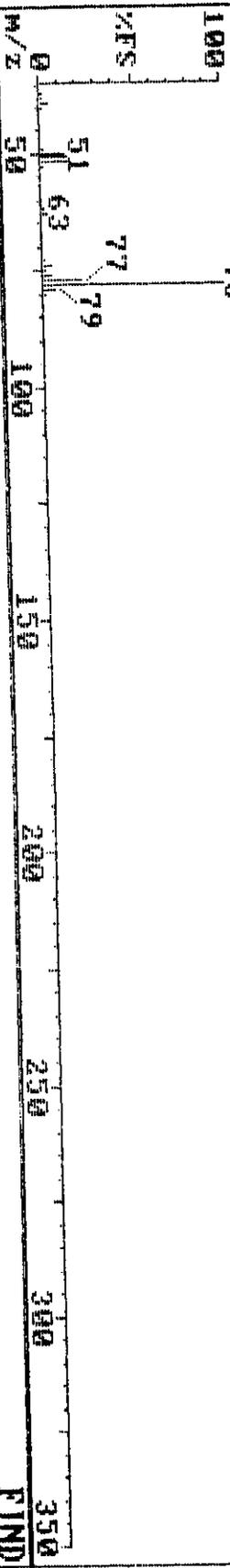


08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
Sample: T-U-4-1-A T 214-27-20A TL1446323

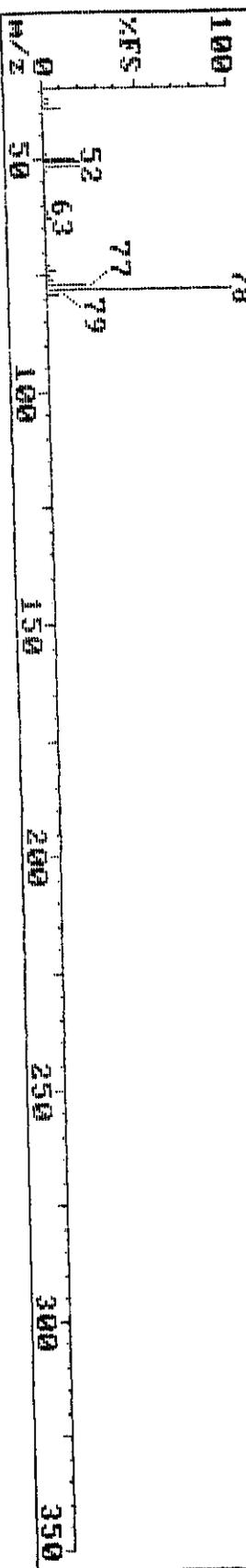
HW562 522 (5.221) 104448



HW562 522 (5.221) REFINE 99328



8260B 32 (5.291) Benzene FIND 100



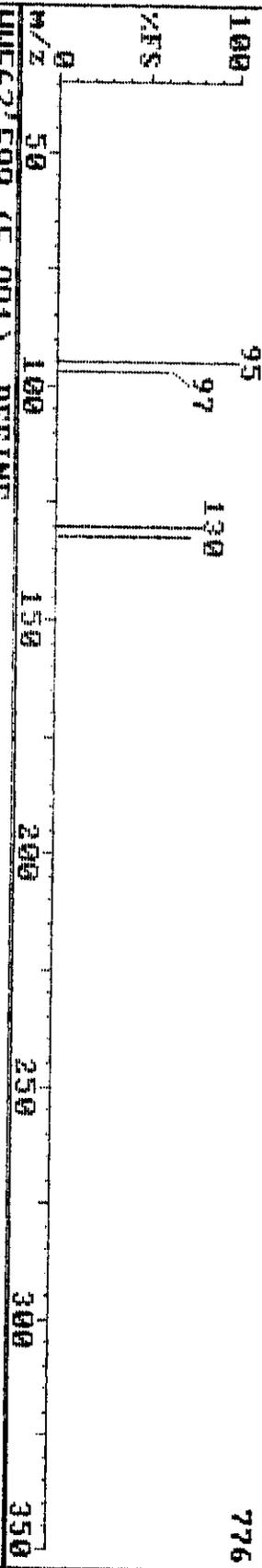
08-09-98 10:37

Triangle Laboratories, Inc. (919) 544-5729

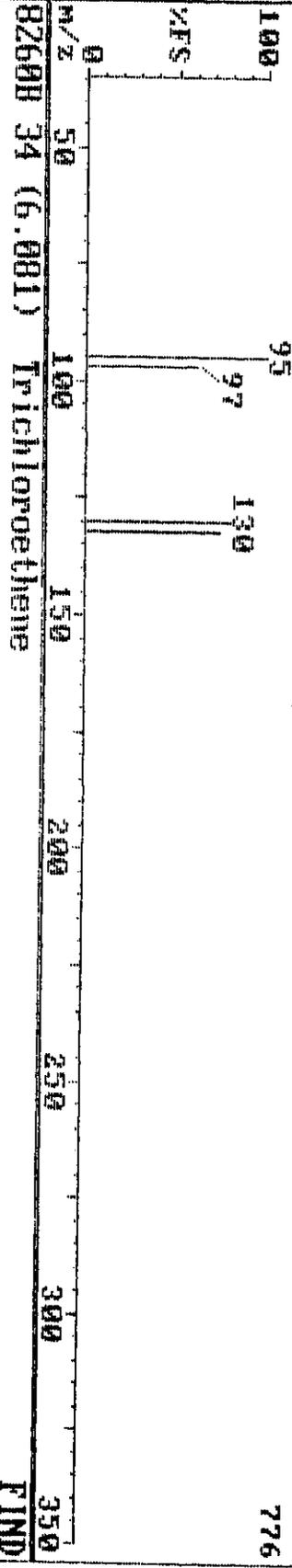
Sample: T-U-4-1-A T 214-27-200 TL#46323

Instrument H

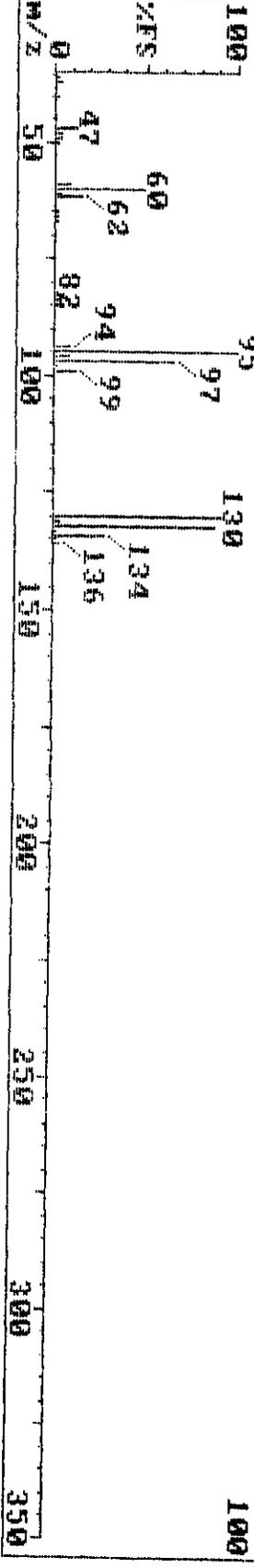
HMW562 599 (5.991)



HMW562 599 (5.991) REFINE



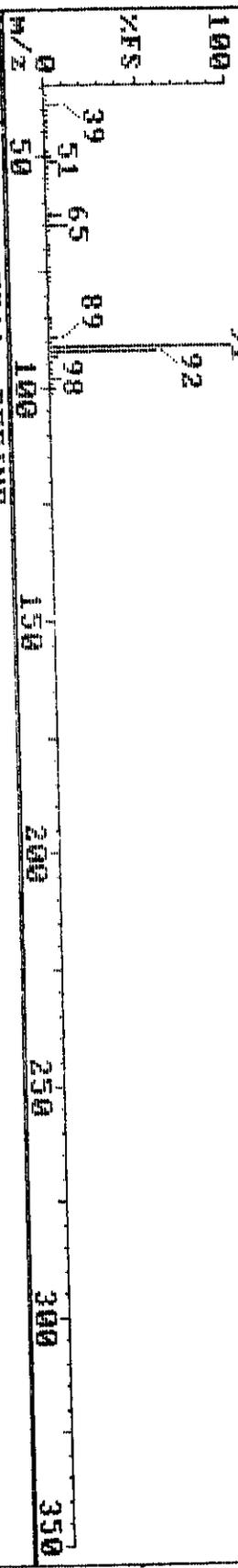
82608 34 (6.081) Trichloroethylene



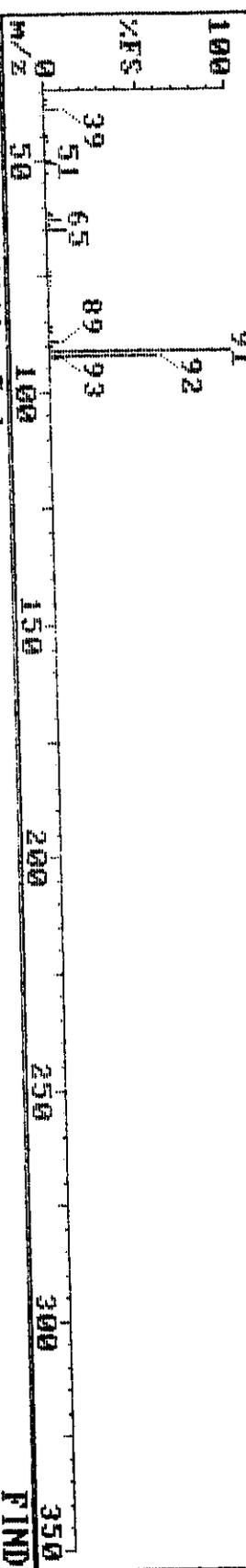
82608 34 (6.081) Trichloroethylene

08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
 Sample: T-U-4-1-A T 214-27-200 TL1#46323

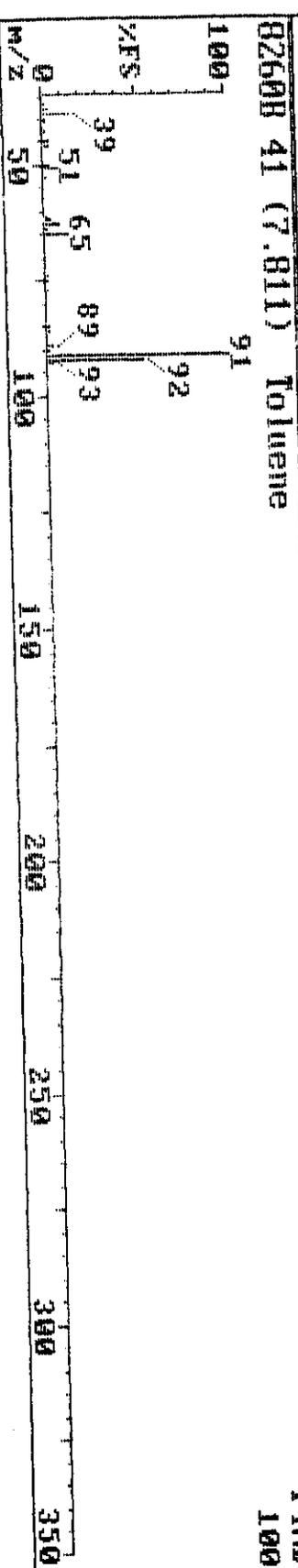
HM562 770 (7.701) 182272



162816



FIND 100



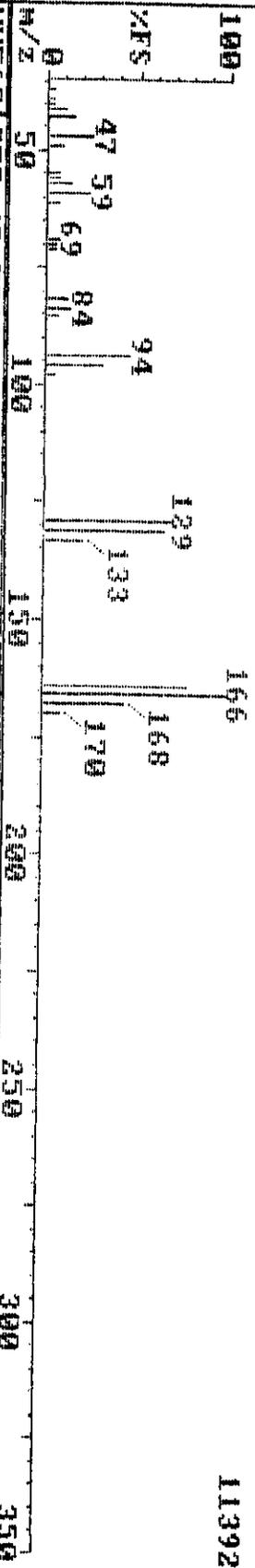
08-09-98 10:37

Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-1-A T 214-27-200 TL#46323

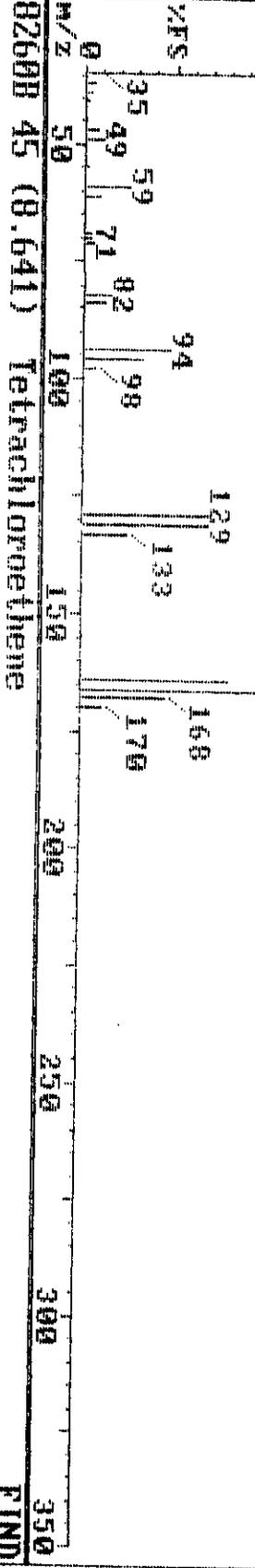
Instrument H

HM562 853 (8.531)



HM562 853 (8.531) REFINE

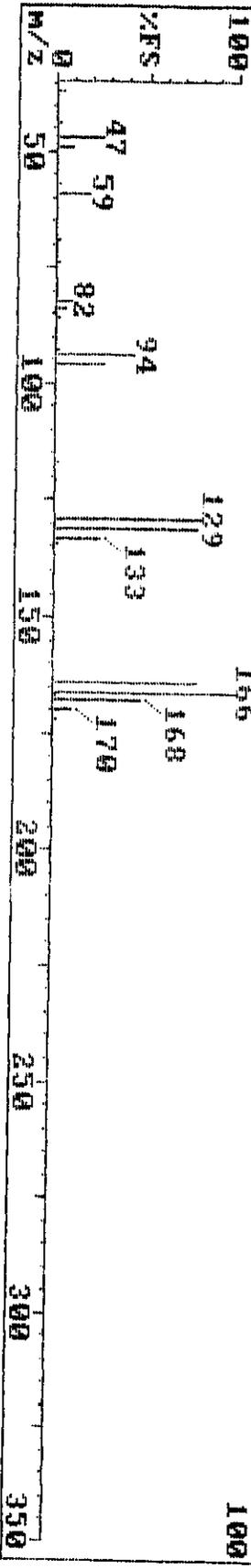
9856



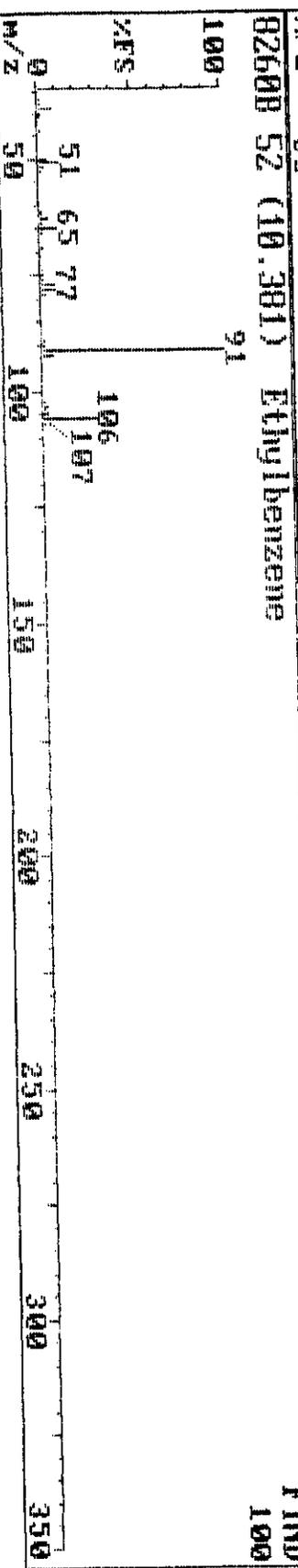
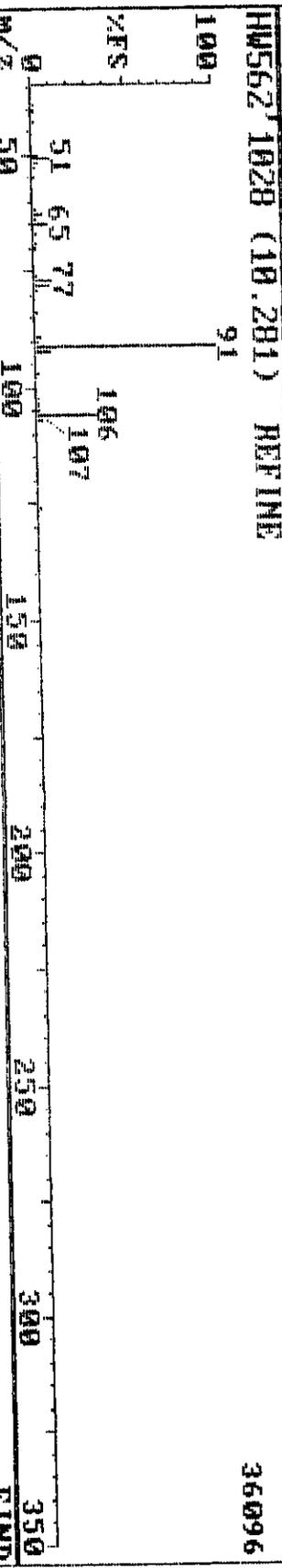
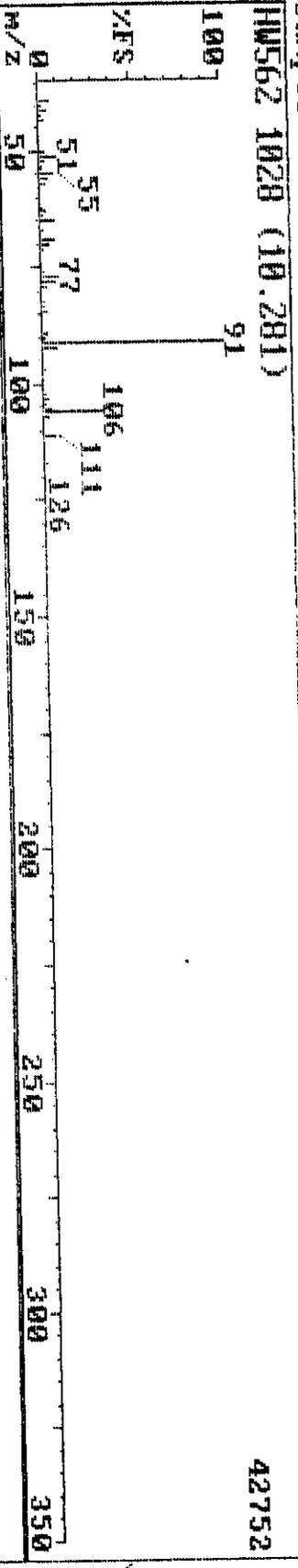
82608 45 (8.641) Tetrachloroethene

FIND

100



08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
Sample: T-U-4-1-A T 214-27-200 TL146323



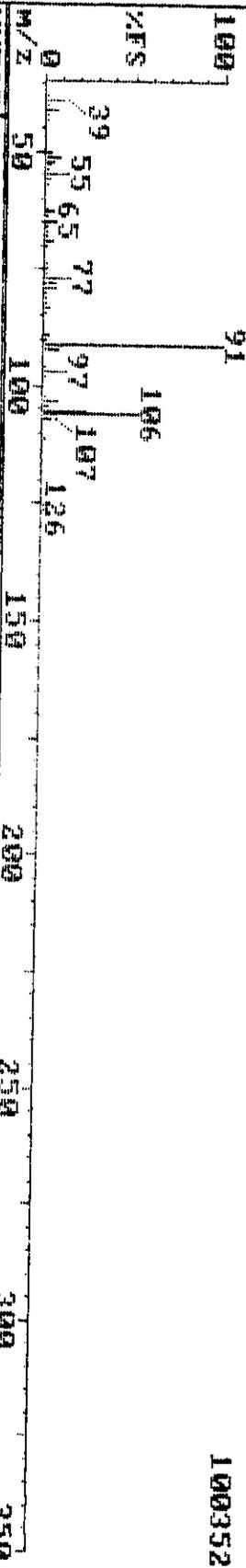
08-09-98 10:37

Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-1-A T 214-27-20A TL#46323

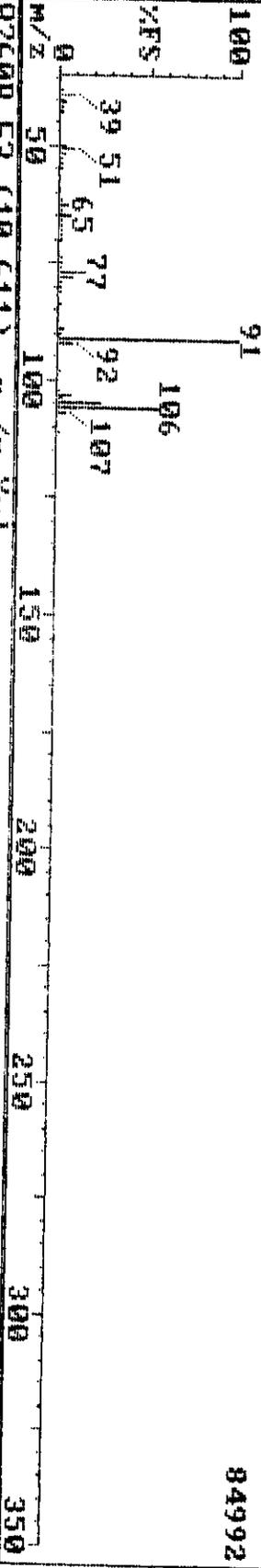
Instrument H

HM562 1052 (10.521)



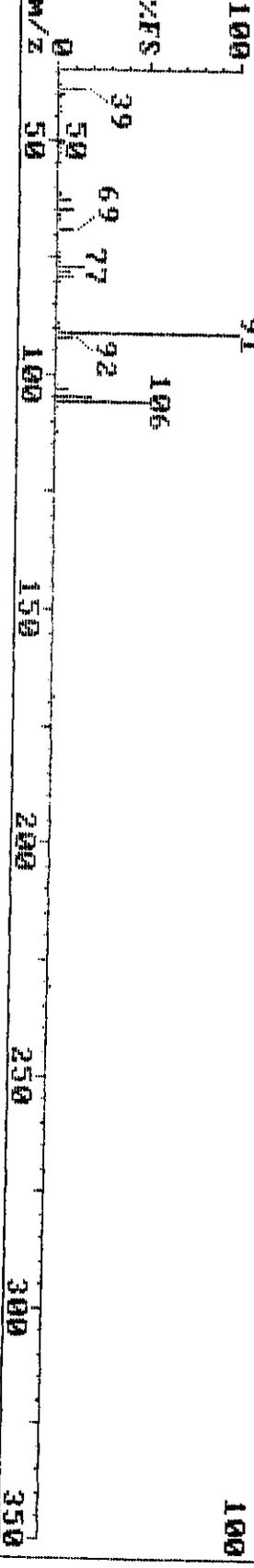
100352

HM562 1052 (10.521) REFINE



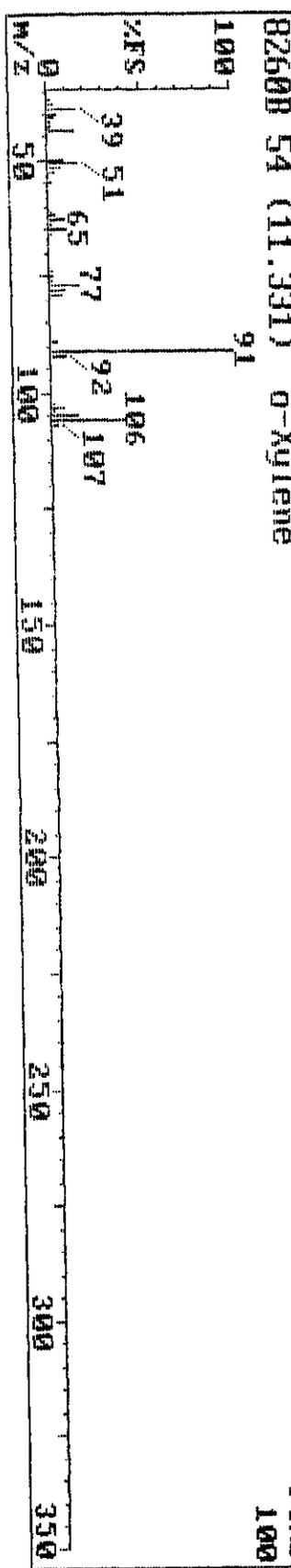
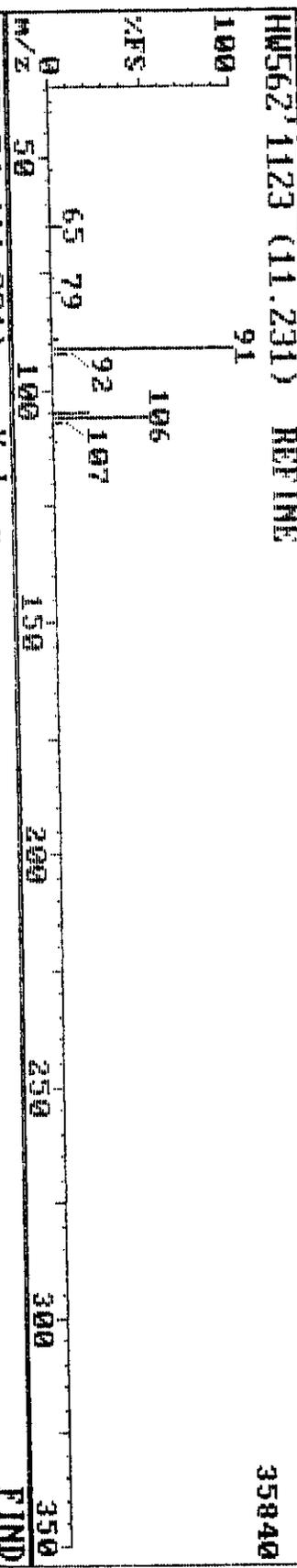
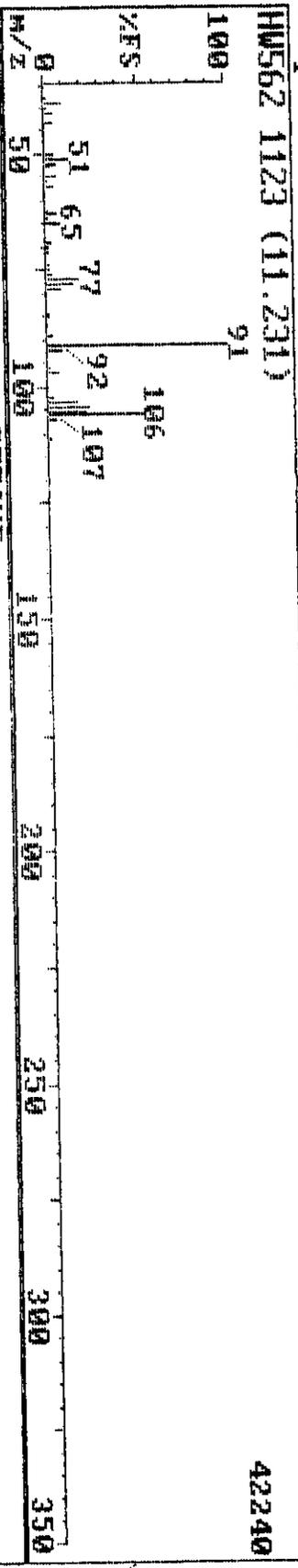
84992

BZ60B 53 (10.611) m-p-Xylene

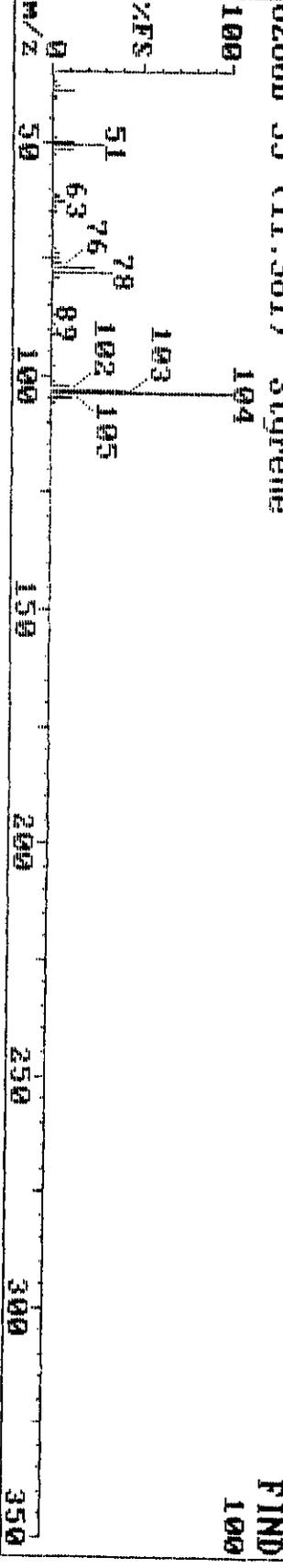
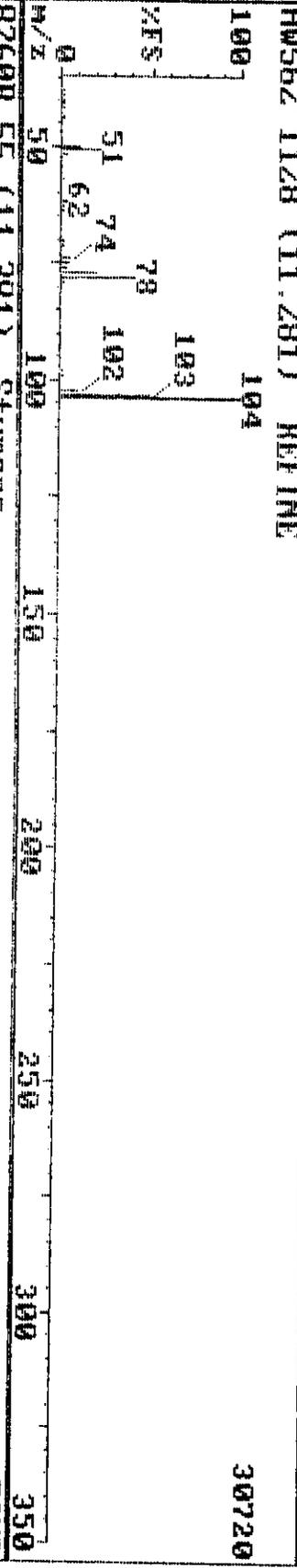
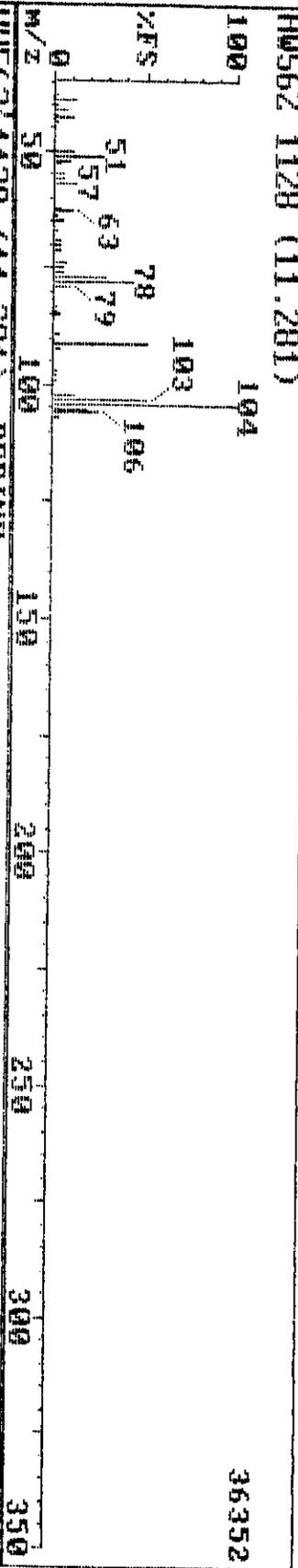


FIND 100

08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
Sample: T-U-4-1-A T 214-27-28A TL146323



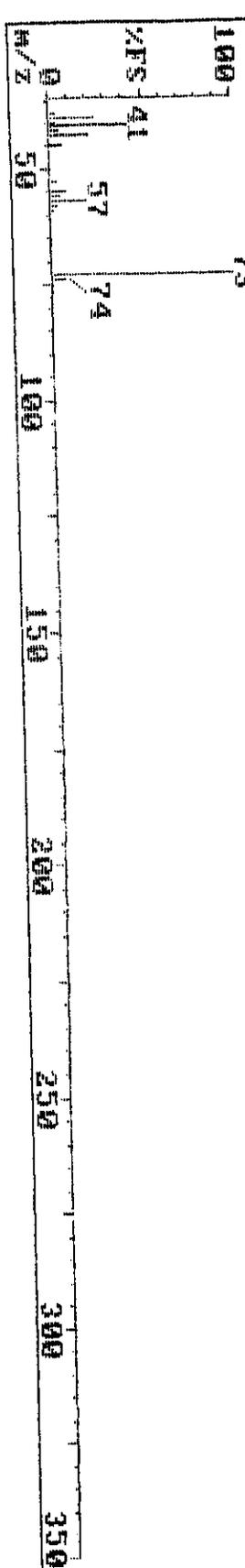
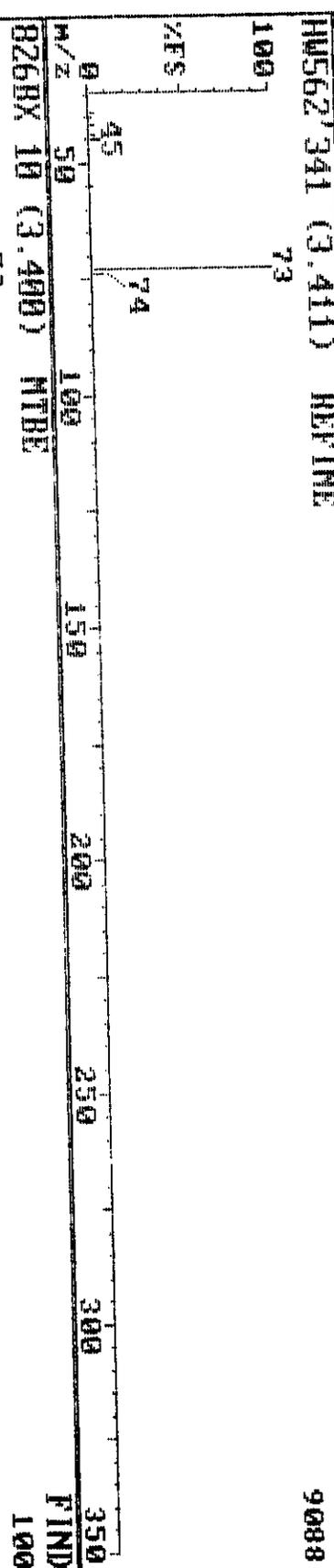
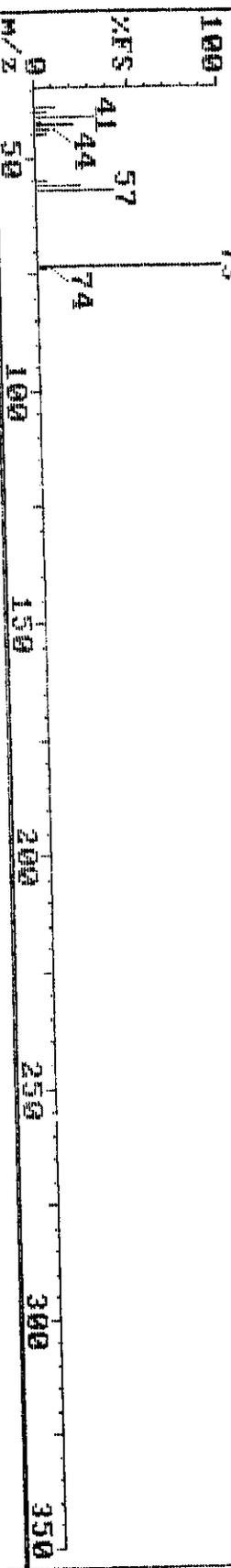
08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729
Sample: T-U-4-1-A T 214-27-20A TL1#46323 Instrument H



08-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-1-A T 214-27-20A T11#46323

HW562 341 (3.410) 11008



08-09-98 10:37

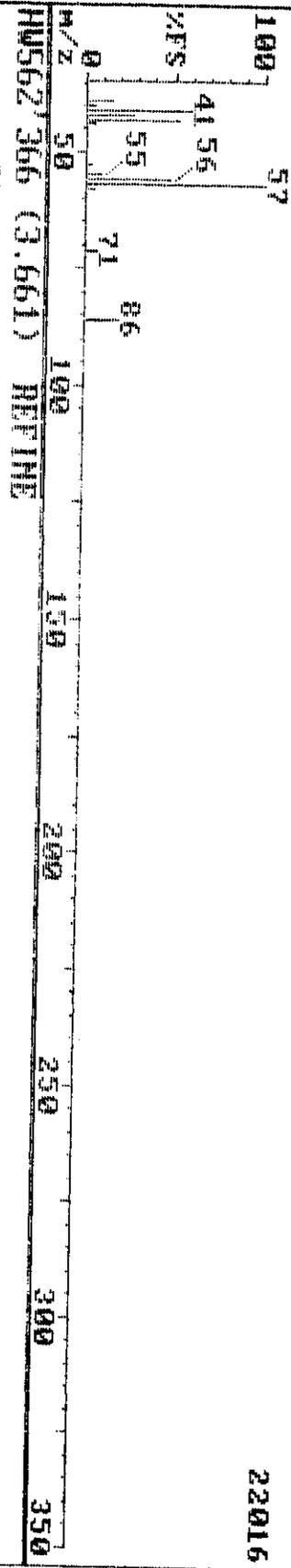
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-1-A T 214-27-20A T11#46323

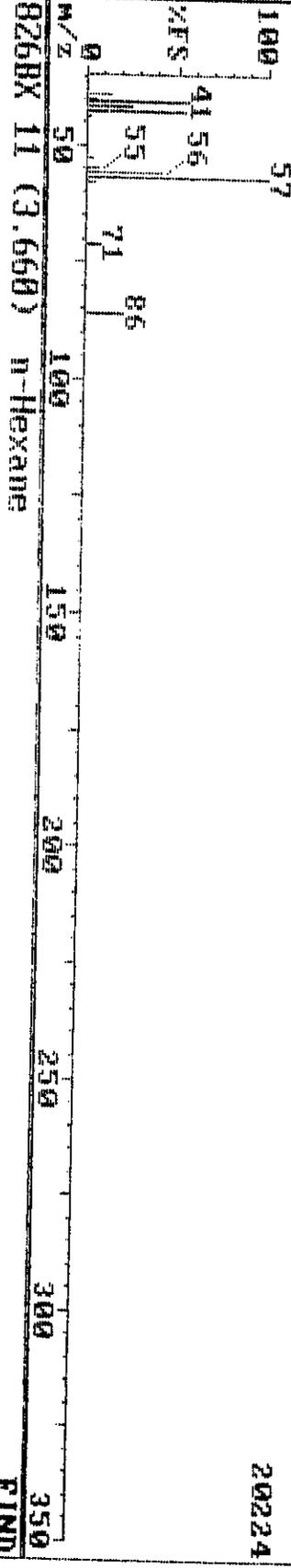
Instrument H

HW562 366 (3.660)

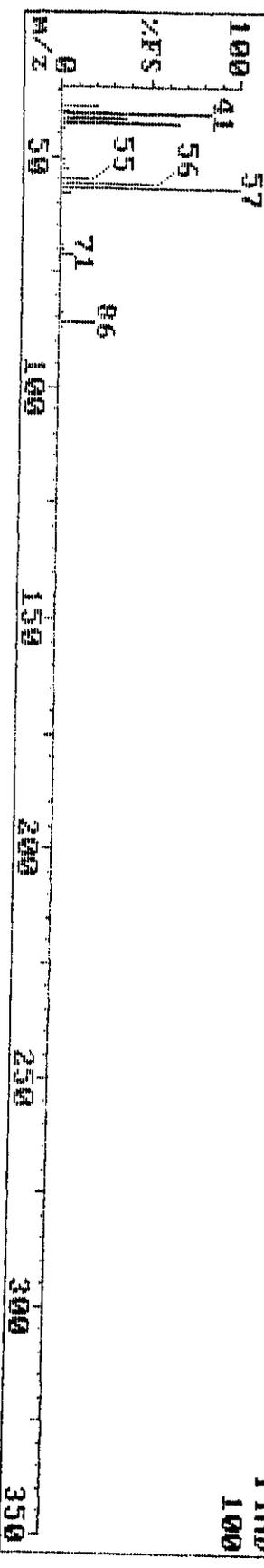
22016



20224



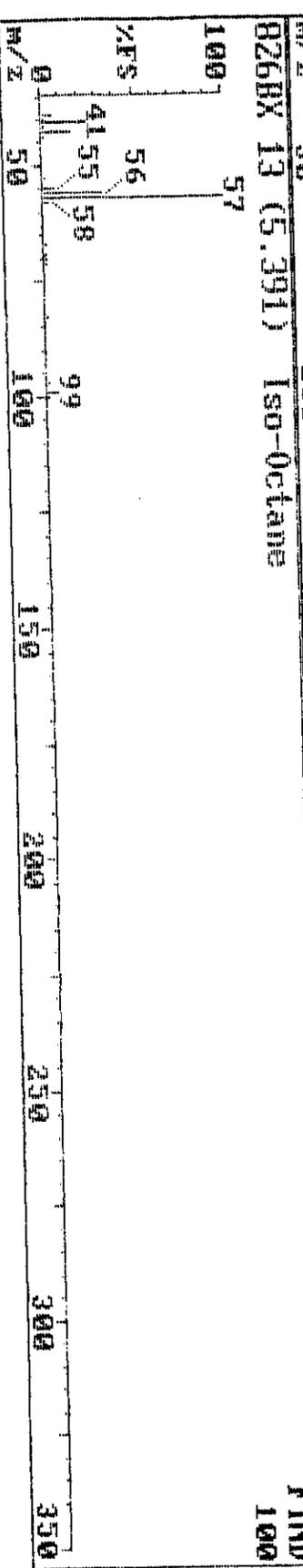
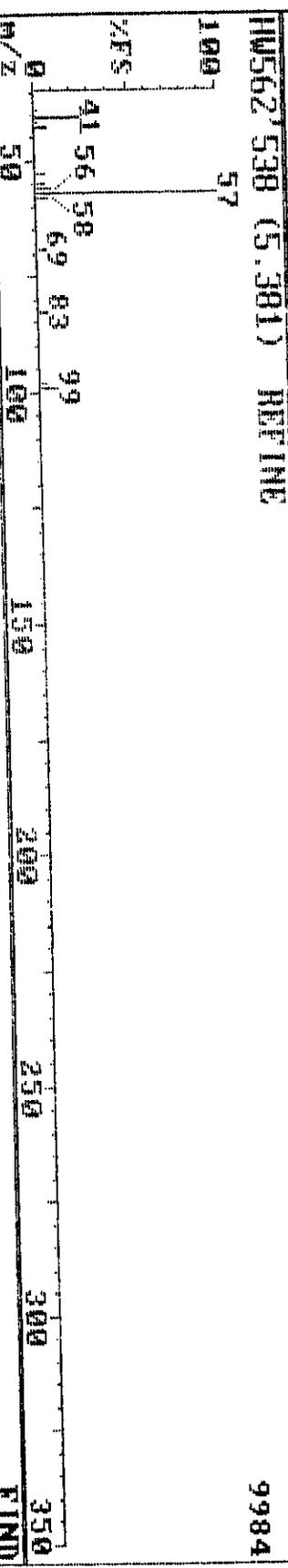
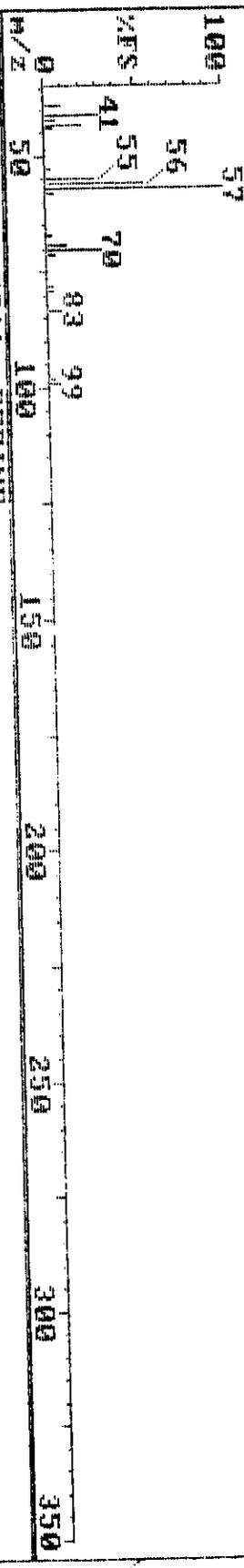
FIND 100



00-09-98 10:37 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-1-A T 214-27-200 T11#46323

HM562 538 (5.381) 13184



Pacific Environmental Services

Project Number: 46323

Sample File: HW560

Method 8260 VOST
Sample ID: T-V-4-1-B TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICAH809

TLI ID: 214-27-20B

Date Analyzed : 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.04 | | |
| Chloromethane | 0.020 | BJ | 0.97 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.003 | BJ | 1.48 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.015 | J | 1.90 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | 0.087 | | 2.77 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.327 | B | 3.06 | | 0.05 |
| Acrylonitrile | | U | | 0.006 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 5.77 | | 0.05 |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.010 | BJ | 5.24 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

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Printed: 16:11 08/10/1998

428

225

Pacific Environmental Services

Project Number: 46323
Sample File: HW560

Method 8260 VOST
Sample ID: T-V-4-1-B TC

Client Project: R012.001
TLI ID: 214-27-20B

Date Received: 07/29/98

Response File: ICALH809

Date Analyzed: 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.002 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.001 | 0.05 |
| Toluene | 0.016 | BJ | 7.74 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 9.96 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.002 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.001 | J | 10.31 | | 0.05 |
| m-/p-Xylene | 0.002 | J | 10.54 | | 0.10 |
| o-Xylene | 0.001 | J | 11.26 | | 0.05 |
| Styrene | 0.002 | BJ | 11.31 | | 0.05 |
| Bromoform | | U | | 0.001 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.08 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: HW560

Method 8260 VOST
Sample ID: T-V-4-1-B TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALH809

TLI ID: 214-27-20B

Date Analyzed: 08/09/98

| Surrogate Summary | Amount (ng) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.257 | 4.91 | 1 | 103 |
| Toluene-d ₈ | 0.289 | 7.65 | 2 | 116 |
| 4-Bromofluorobenzene | 0.291 | 12.25 | 2 | 116 |

Reviewed by Paul Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

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430

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Printed: 16:11 08/10/1998

Pacific Environmental Services

Project Number: 46323
Sample File: HW560

Method 8260 VOST
Sample ID: T-V-4-1-B TC

Client Project: R012.001
TLI ID: 214-27-20B

Date Received: 07/29/98

Response File: ICA1H809

Date Analyzed : 08/09/98

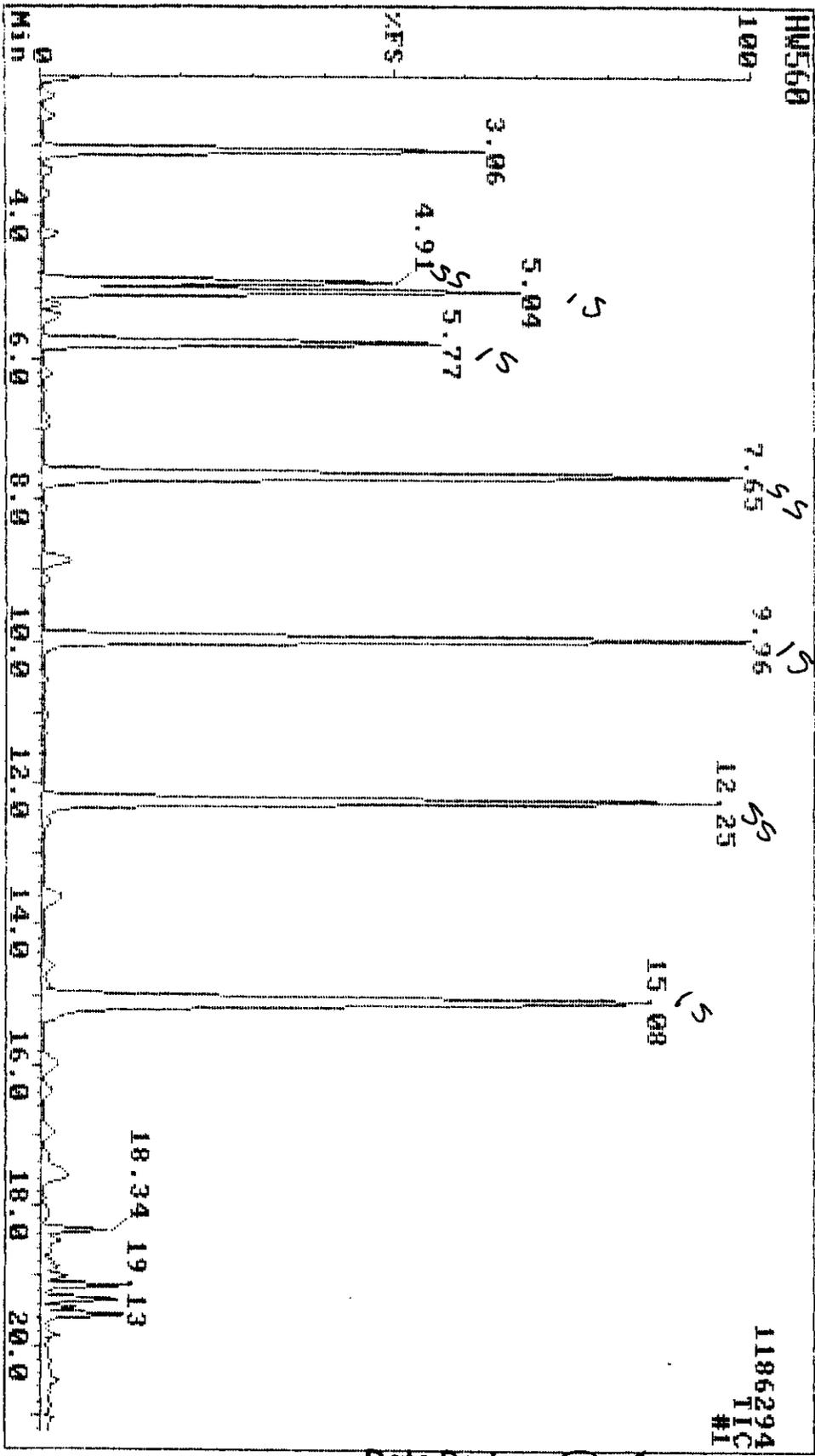
| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.04 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.014 | J | 3.41 | | 0.25 |
| n-Hexane | 0.005 | J | 3.67 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.046 | 0.25 |
| Iso-Octane | 0.010 | J | 5.40 | | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 5.77 | | |
| Ethyl acrylate | | U | | 0.001 | 0.25 |

Reviewed by *PAR* Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729
Sample: T-U-4-1-B T/C 214-27-200 TL#46323 Instrument H



Data Review: GAB
Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|---------------|------------------|---------------|-----------------|------------------------------|
| 1 | 100 | 85 | 99 | -5 | 2171720 | bb | 5.04 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 98 | 0 | 2135508 | bv | 5.77 | 114 1,4-Difluorobenzene |
| 3 | 100 | 95 | 95 | 2 | 3400236 | bv | 9.96 | 117 Chlorobenzene-d5 |
| 4 | 100 | 81 | 99 | -6 | 2191016 | bv | 15.08 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 97 | 100 | 0 | 1187804 | bv | 4.91 | 113 Dibromofluoromethane |
| 6 | 100 | 93 | 97 | 1 | 3458992 | bv | 7.65 | 98 Toluene-d8 |
| 7 | 100 | 90 | 93 | 4 | 1869376 | bv | 12.25 | 95 4-Bromofluorobenzene |
| 8 | 88 | 44 | 96 | -1 | 621716 | bv | 0.75 | 85 Dichlorodifluoromethane |
| 9 | 100 | 85 | 90 | -1 | 67132 | vv | 0.97 | 50 Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 Vinyl Chloride |
| 11 | 71 | 39 | 74 | 0 | 12992 | bv | 1.48 | 94 Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 64 Chloroethane |
| 13 | 100 | 87 | 96 | -1 | 135796 | bb | 1.90 | 101 Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 1,1-Dichloroethene |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 142 Iodomethane |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 Carbon disulfide |
| 17 | 63 | 52 | 84 | 11 | 37590 | A | 2.77 | 43 Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Alkyl chloride |
| 19 | 100 | 98 | 99 | -1 | 1006848 | bv | 3.06 | 84 Methylene chloride |
| 20 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 53 Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 trans-1,2-Dichloroethene |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 43 Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 77 2,2-Dichloropropane |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 cis-1,2-Dichloroethene |
| 26 | 57 | 49 | 49 | 3 | 3284 | bb | 4.53 | 43 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 128 Bromochloromethane |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 117 Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,1-Dichloropropene |
| 32 | 100 | 89 | 92 | 0 | 101484 | bb | 5.24 | 78 Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 130 Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,2-Dichloropropane |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 93 Dibromomethane |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 cis-1,3-Dichloropropene |
| 40 | 45 | 4 | 70 | 1 | 20568 | A | 7.64 | 43 4-Methyl-2-pentanone |
| 41 | 100 | 86 | 95 | 1 | 139400 | bb | 7.74 | 92 Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 trans-1,3-Dichloropropene |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,2-Trichloroethane |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 69 Ethyl methacrylate |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 164 Tetrachloroethene |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 1,3-Dichloropropane |
| 47 | 23 | 10 | 40 | 11 | 11248 | A | 9.13 | 43 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 129 Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 107 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 112 Chlorobenzene |

Data Review: PAB
Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|--------------|-----------------|---------------|------------------|------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 131 1,1,1,2-Tetrachloroethan |
| 52 | 55 | 36 | 56 | 1 | 4492 | A | 10.31 | 106 Ethylbenzene |
| 53 | 85 | 68 | 72 | 1 | 17724 | bb | 10.54 | 106 m-/p-Xylene |
| 54 | 58 | 49 | 49 | 2 | 5568 | A | 11.26 | 106 o-Xylene |
| 55 | 81 | 68 | 68 | 2 | 24040 | bb | 11.31 | 104 Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 173 Bromoform |
| 57 | 45 | 44 | 44 | 7 | 4404 | bb | 12.04 | 105 Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 1,1,2,2-Tetrachloroethan |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 156 Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 120 n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 trans-1,4-Dichloro-2-but |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 4-Chlorotoluene |
| 65 | 61 | 57 | 57 | 3 | 7204 | A | 13.34 | 105 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 tert-Butylbenzene |
| 67 | 53 | 41 | 48 | 3 | 20336 | A | 14.25 | 105 1,2,4-Trimethylbenzene |
| 68 | 37 | 16 | 46 | 1 | 12136 | A | 14.75 | 105 sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2-Dibromo-3-chloroprop |
| 76 | 69 | 86 | 97 | 17 | 108488 | bv | 19.13 | 180 1,2,4-Trichlorobenzene |
| 77 | 39 | 20 | 89 | 17 | 14820 | bb | 19.34 | 225 Hexachlorobutadiene |
| 78 | 57 | 68 | 84 | 17 | 221824 | bv | 19.33 | 128 Naphthalene |
| 79 | 69 | 88 | 96 | 17 | 105276 | bv | 19.54 | 180 1,2,3-Trichlorobenzene |

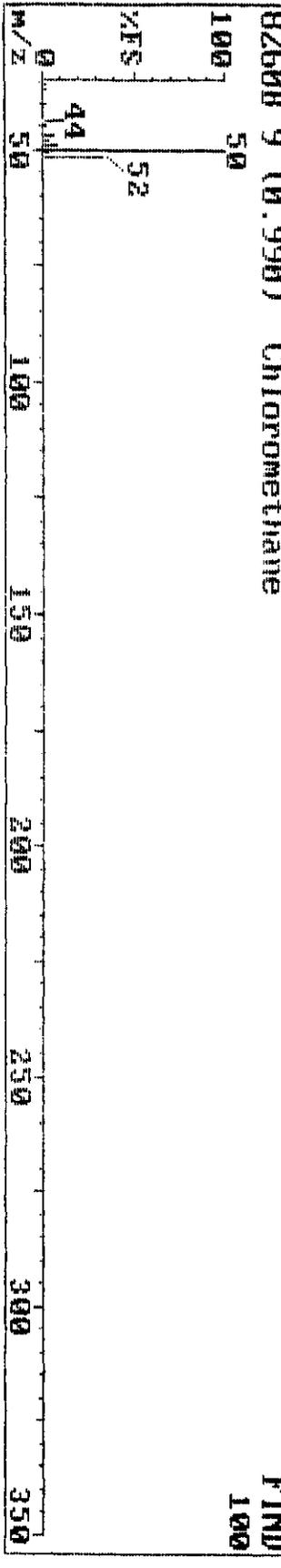
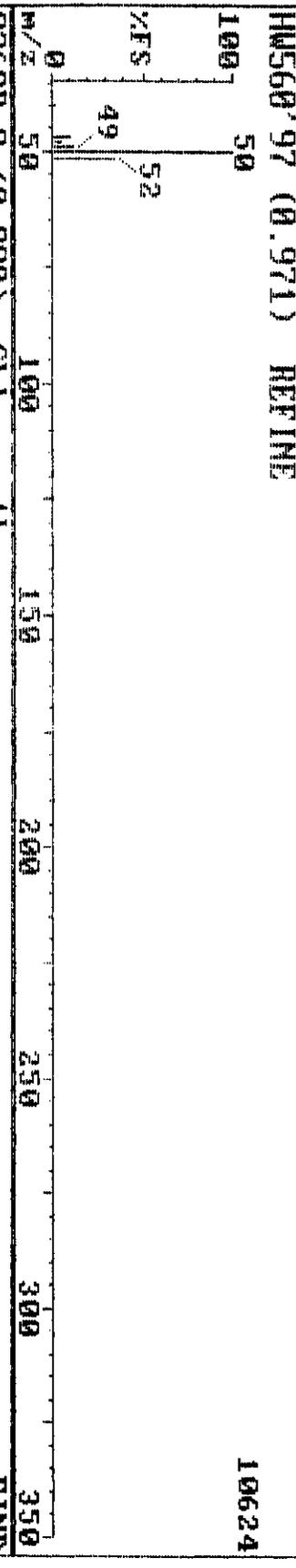
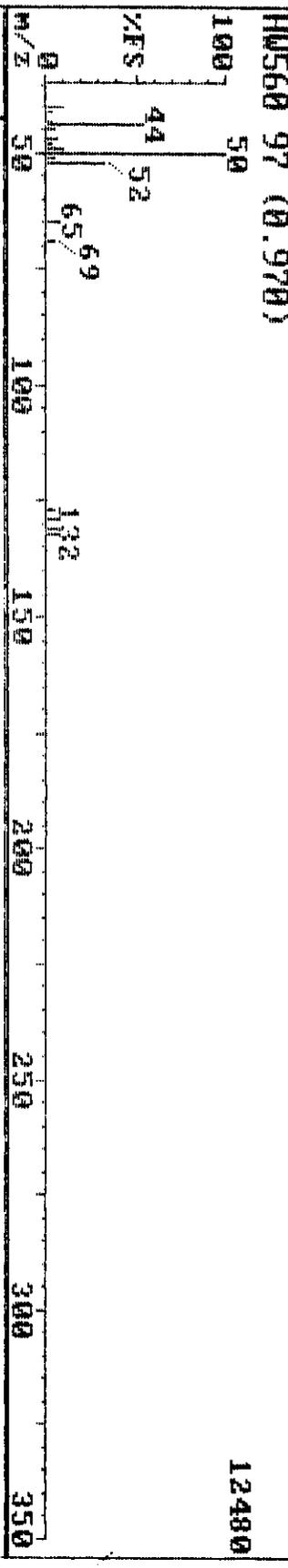
7P FAB 8/6/98

7P FAB 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|---------------|------------------|---------------|-----------------|-------------------------------|
| 1 | 100 | 85 | 99 | 0 | 2171720 | bb | 5.04 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 98 | 1 | 2135508 | bv | 5.77 | 114 1,4-Difluorobenzene |
| 3 | 100 | 95 | 95 | 0 | 3400236 | bv | 9.96 | 117 Chlorobenzene-d5 |
| 4 | 100 | 81 | 99 | 3 | 2191016 | bv | 15.08 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 97 | 100 | 1 | 1187804 | bv | 4.91 | 113 Dibromofluoromethane |
| 6 | 100 | 93 | 97 | 0 | 3458992 | bv | 7.65 | 98 Toluene-d8 |
| 7 | 100 | 90 | 93 | 2 | 1869376 | bv | 12.25 | 95 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 39 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 Vinyl bromide |
| 10 | 31 | 61 | 72 | 1 | 14804 | bb | 3.41 | 73 MTBE |
| 11 | 100 | 89 | 89 | 1 | 27508 | bb | 3.67 | 57 n-Hexane |
| 12 | 74 | 55 | 65 | 1 | 15396 | bb | 4.24 | 42 1,2-Epoxybutane |
| 13 | 100 | 91 | 92 | 1 | 133384 | bb | 5.40 | 57 Iso-Octane |
| 14 | 35 | 26 | 53 | 13 | 30256 | 0 | 6.19 | 35 Ethyl acrylate |

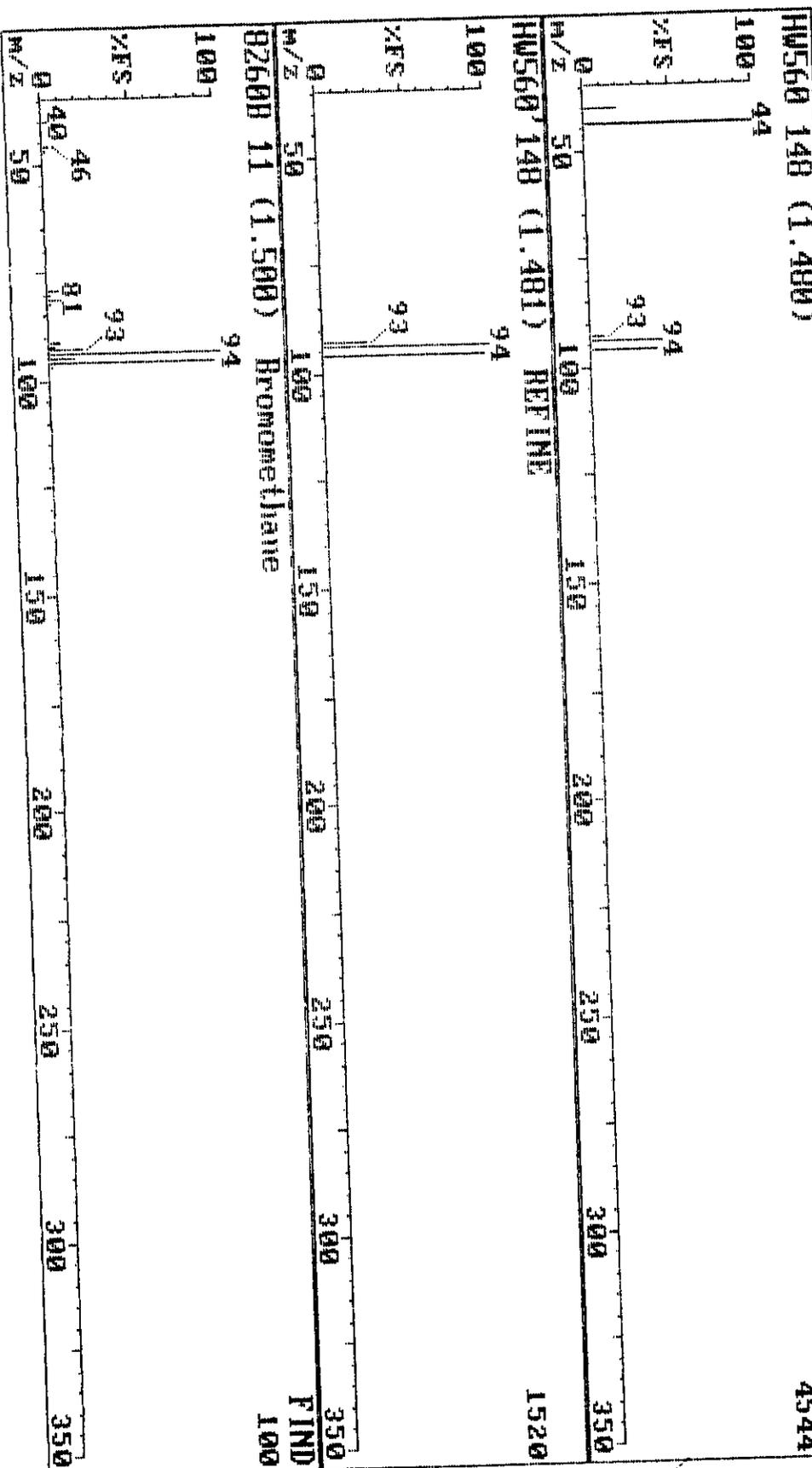
Data Review: Garb
 Date: 8/10/98

08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729
Sample: T-U-4-1-B T/C 214-27-20B TL1#46323 Instrument H



08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-1-B T/C 214-27-200 TL1W6323

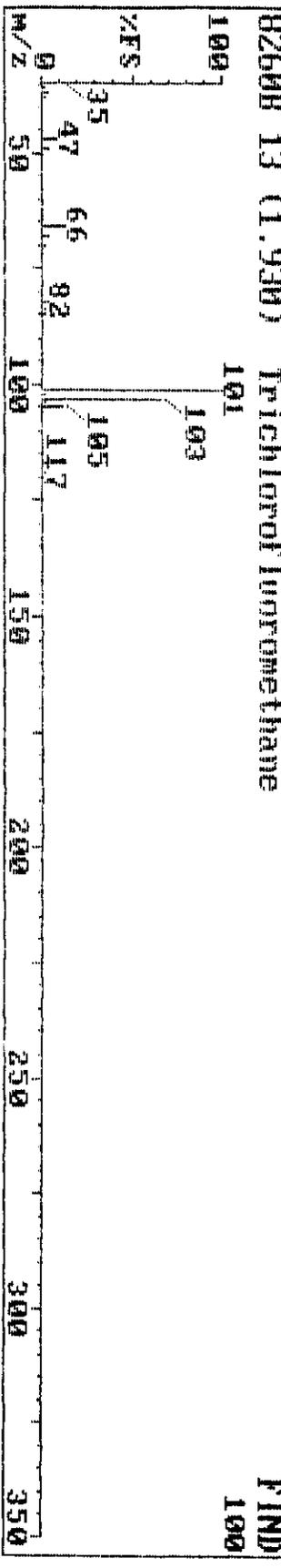
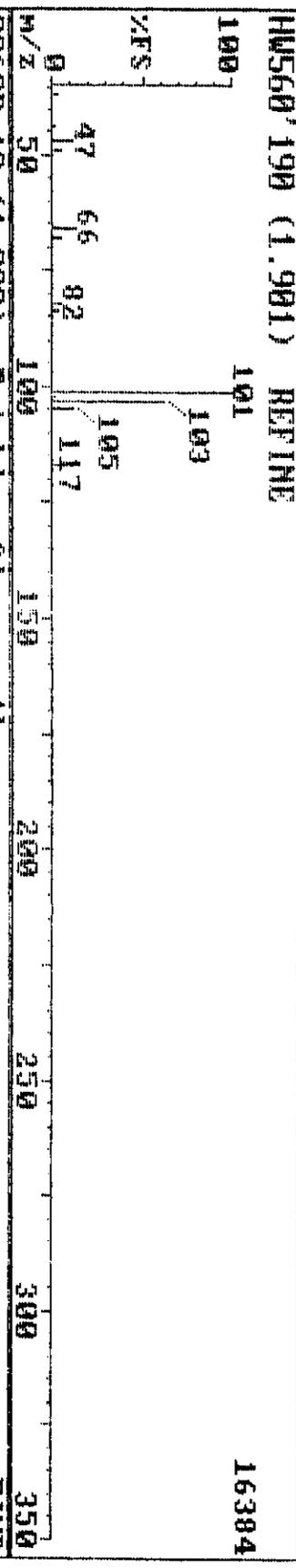
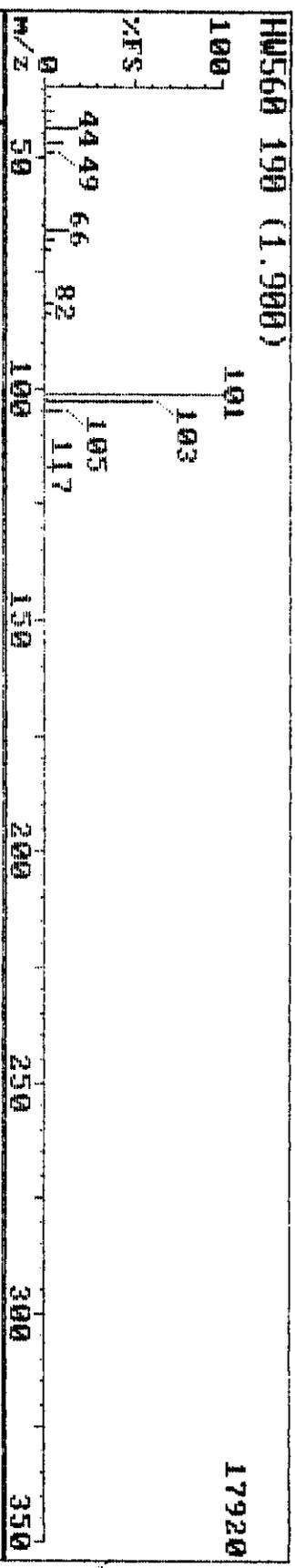


08-09-98 09:11

Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-1-B T/C 214-27-200 TLH46323

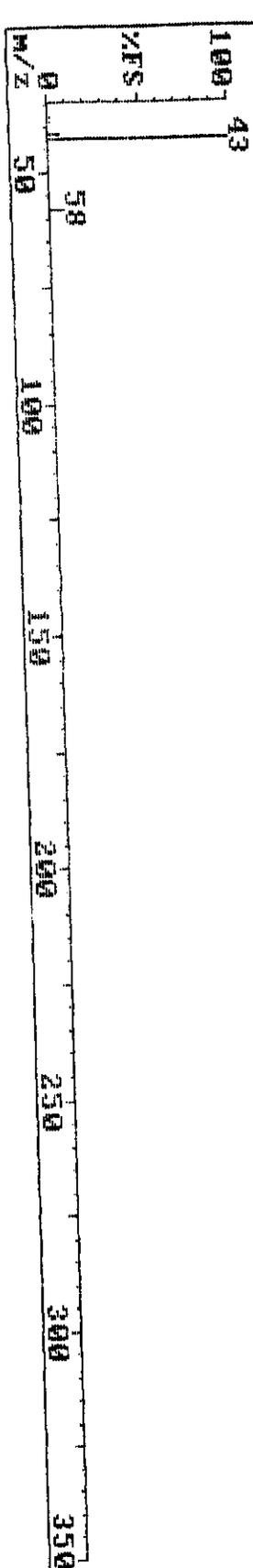
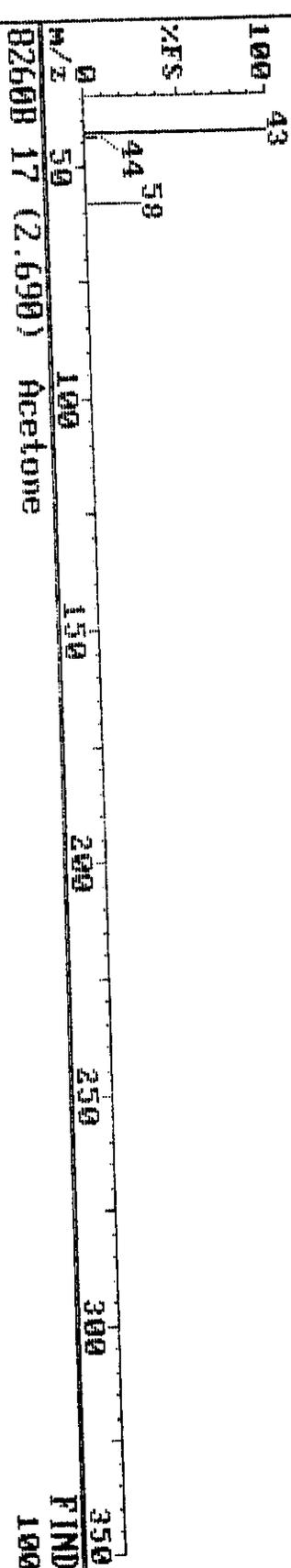
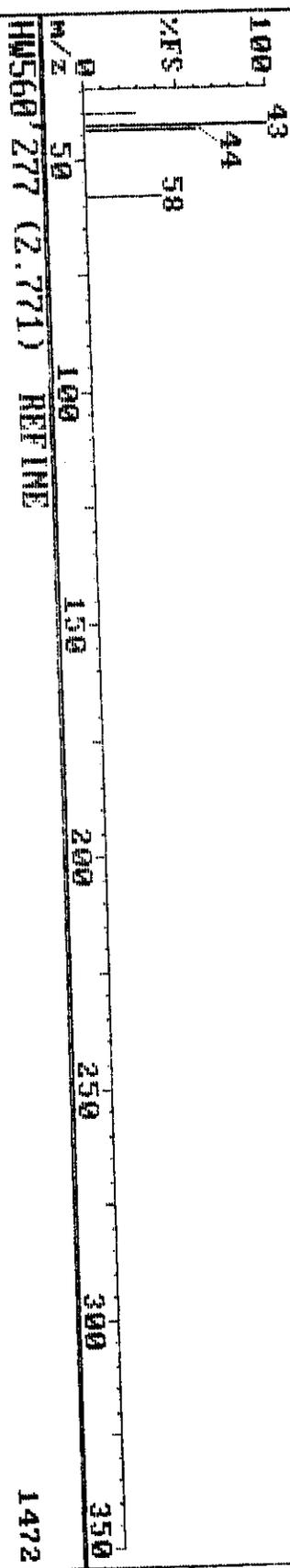
Instrument H



08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-1-B T/C 214-27-20B TL#46323

HW560 277 (2.770) 2720



08-09-98 09:11

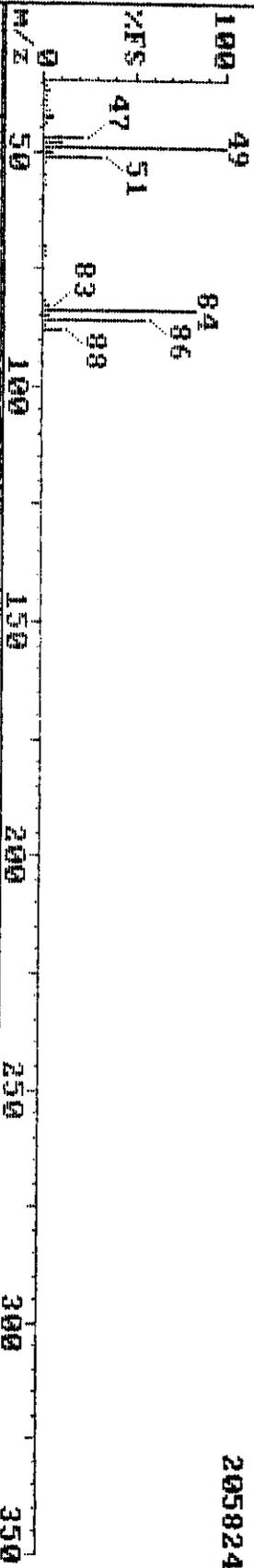
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-1-B T/C 214-27-20B TLI#46323

Instrument H

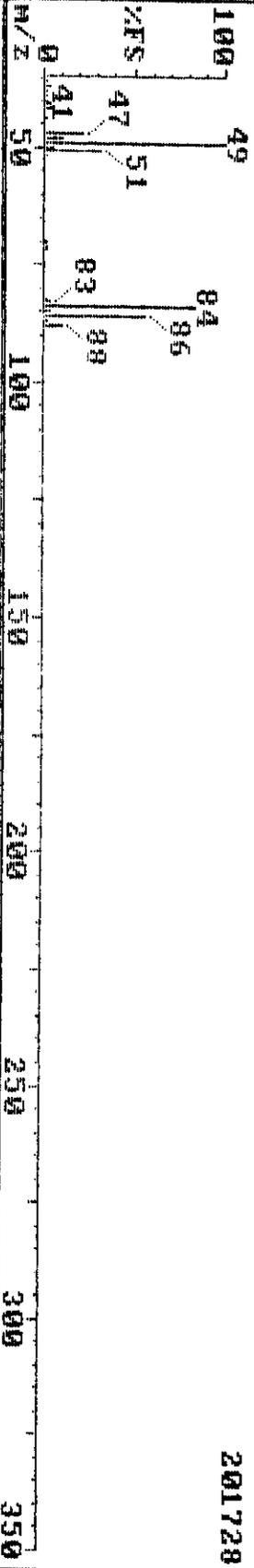
HW560 306 (3.060)

205824



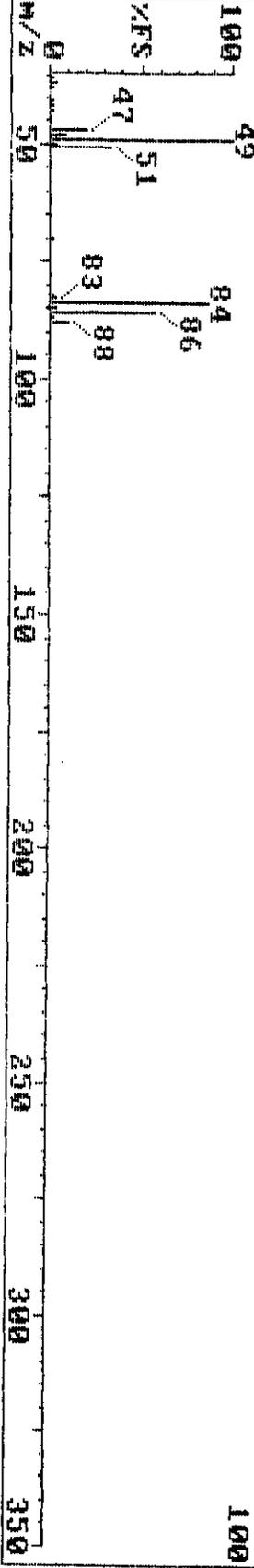
HW560 306 (3.061) REFINE

201728



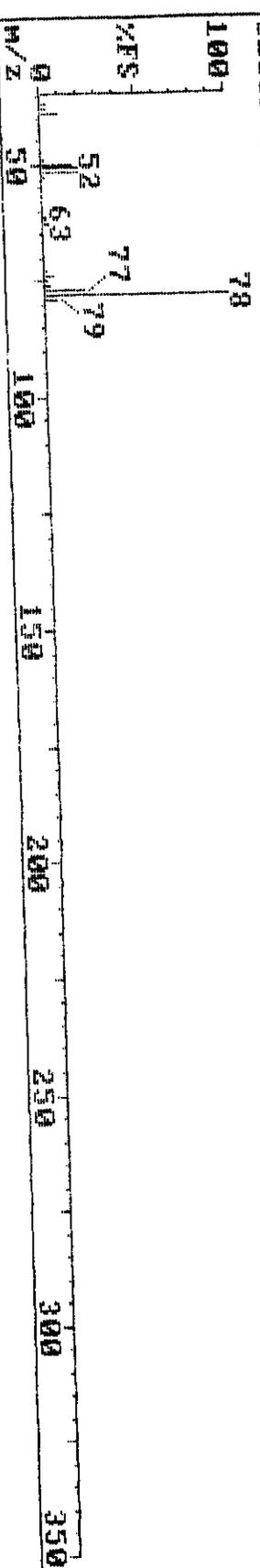
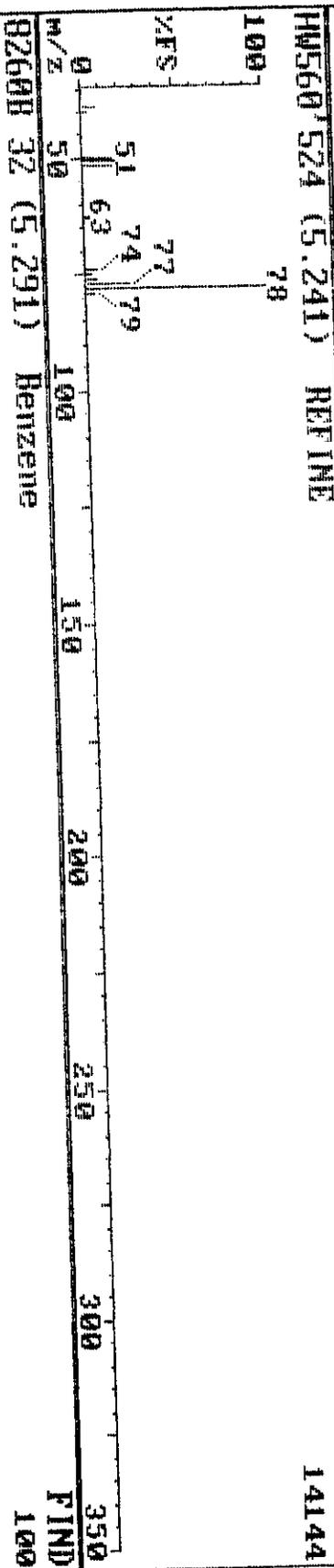
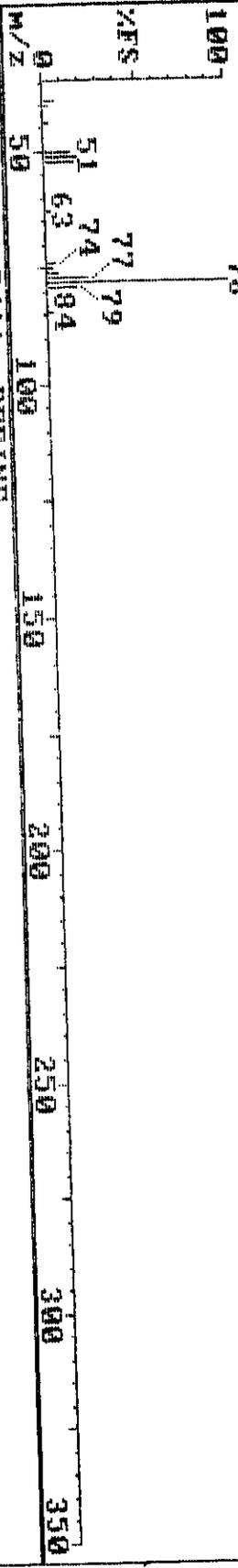
8260B 19 (3.100) Methylene chloride

FIND 100



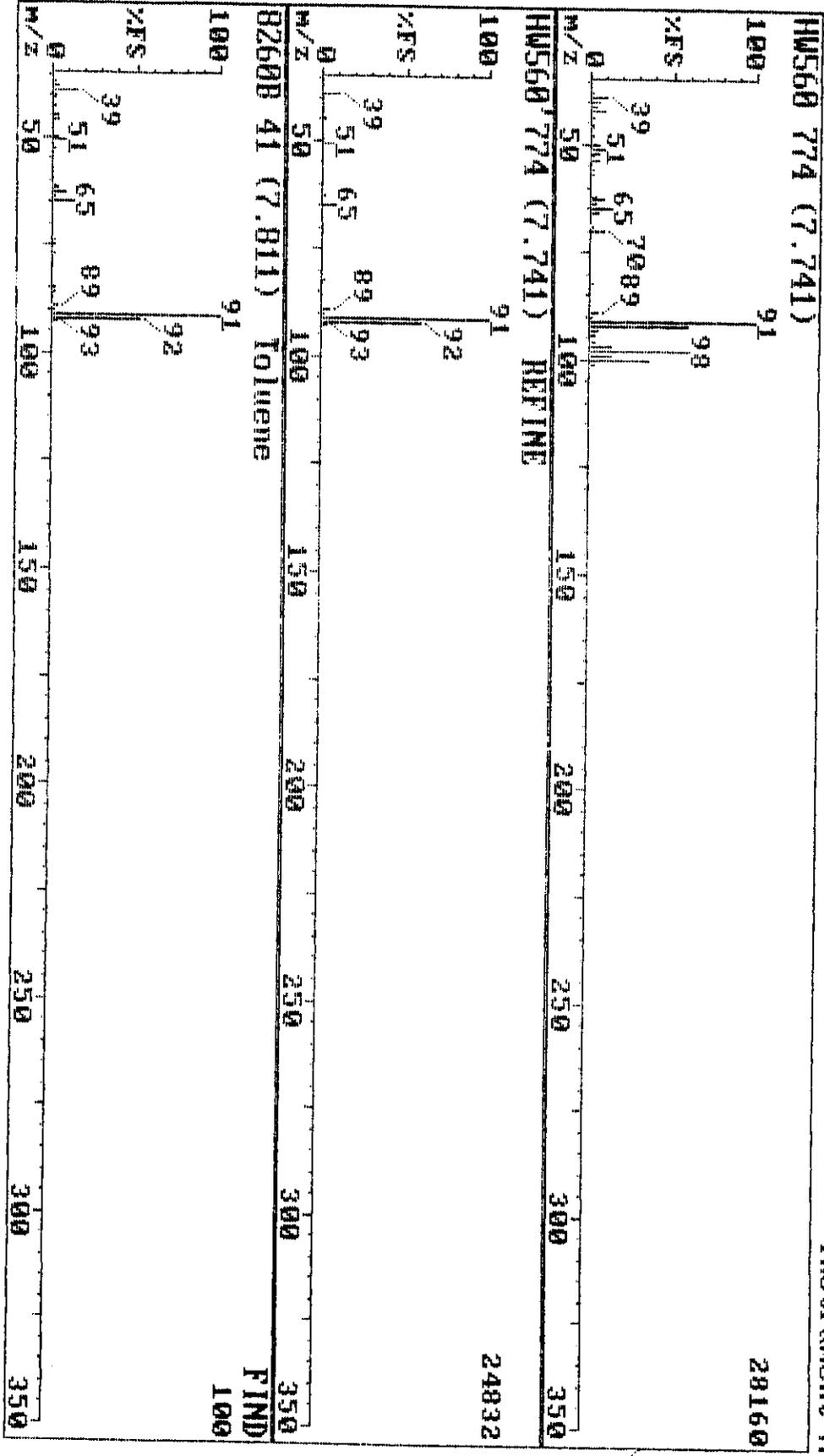
00-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
Sample: T-U-4-1-B T/C 214-27-200 TL1M46323

HM560 524 (5.241) 14912



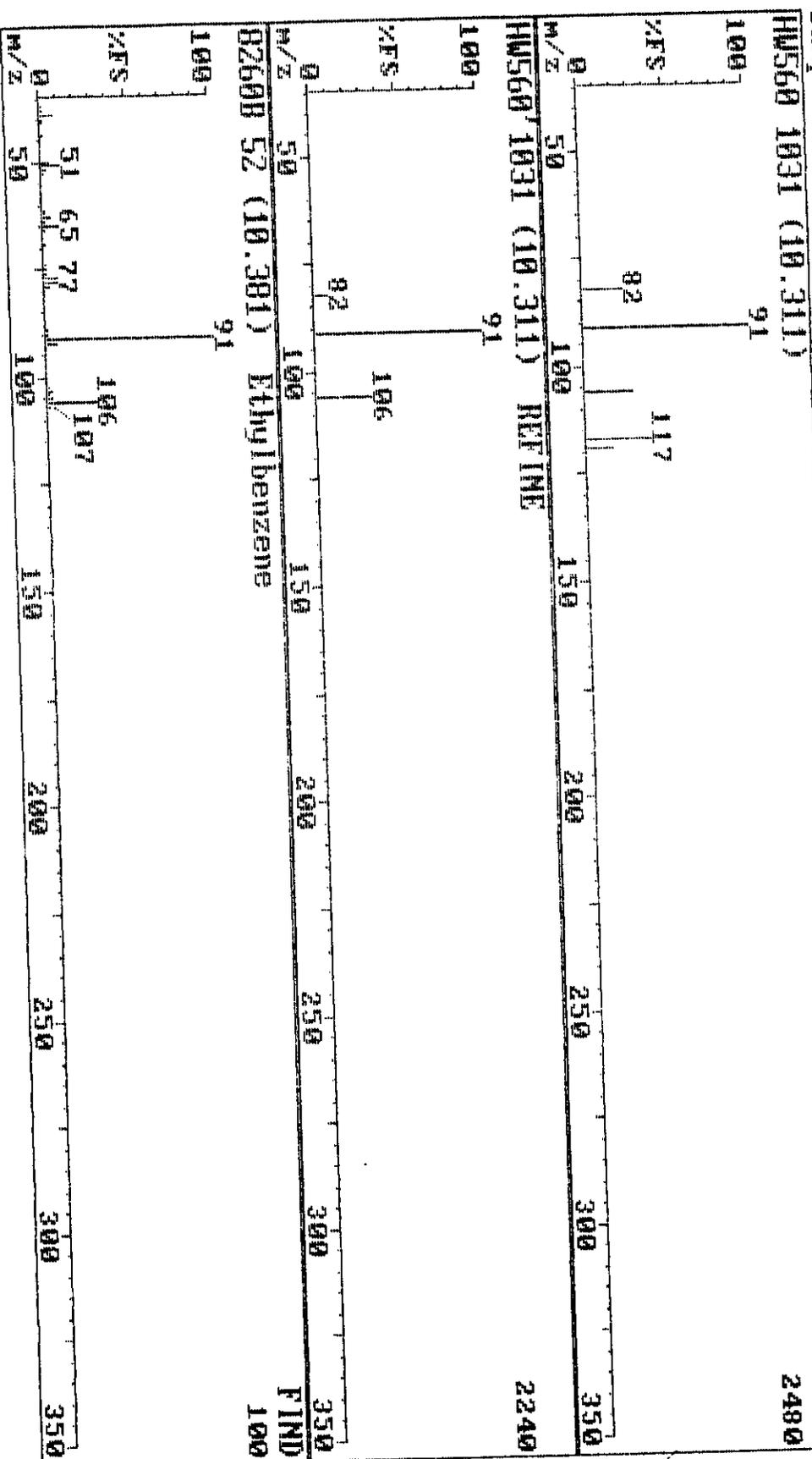
08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-1-B T/C 214-27-29B TI#H46323 Instrument H

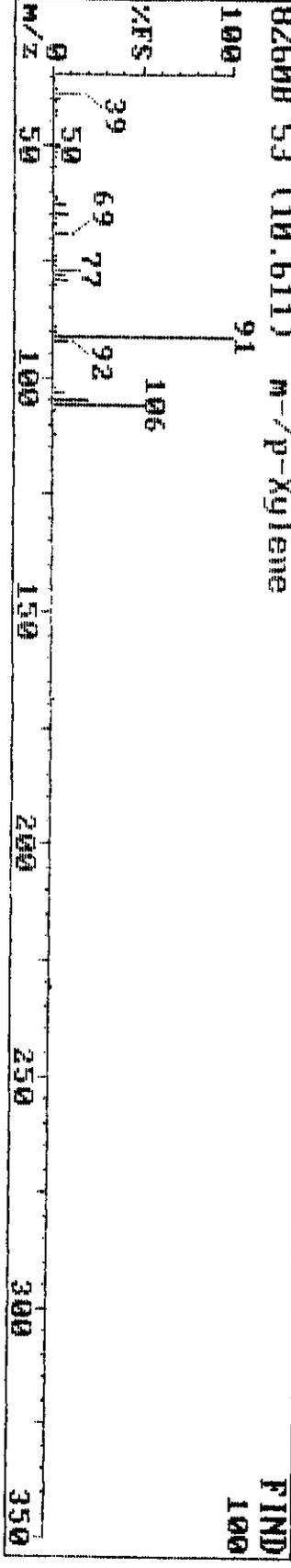
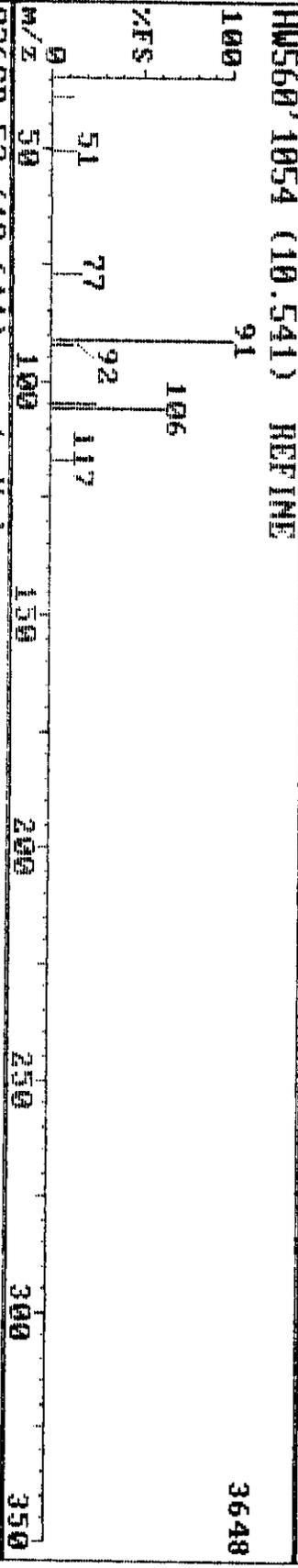
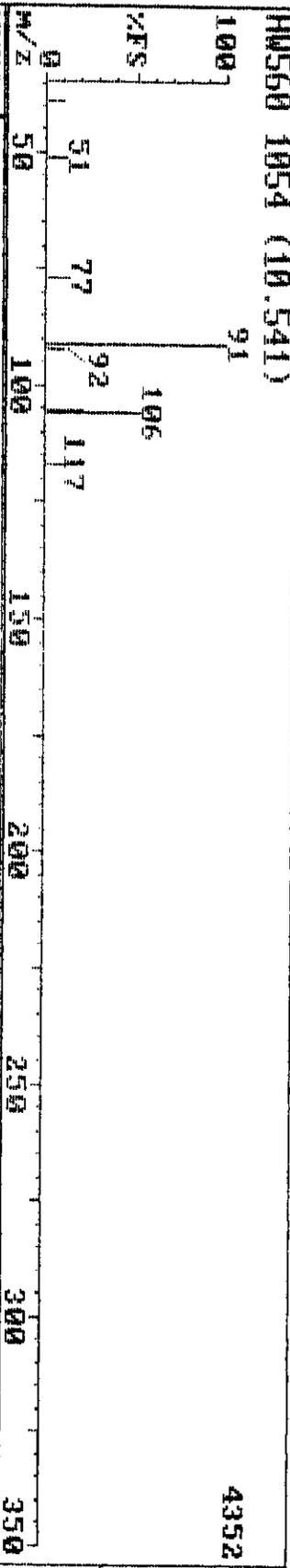


08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-1-B T/C 214-27-200 T11#46323



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Sample: T-U-4-1-B T/C 214-27-200 TLH46323

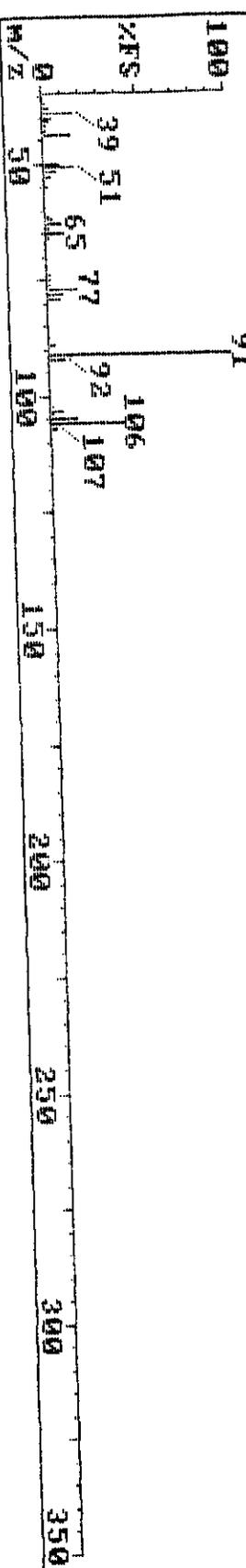
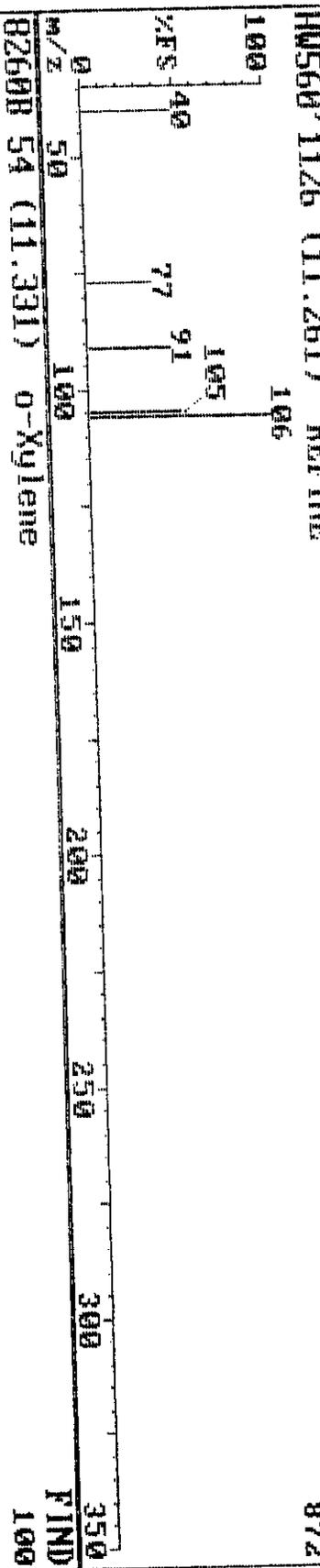
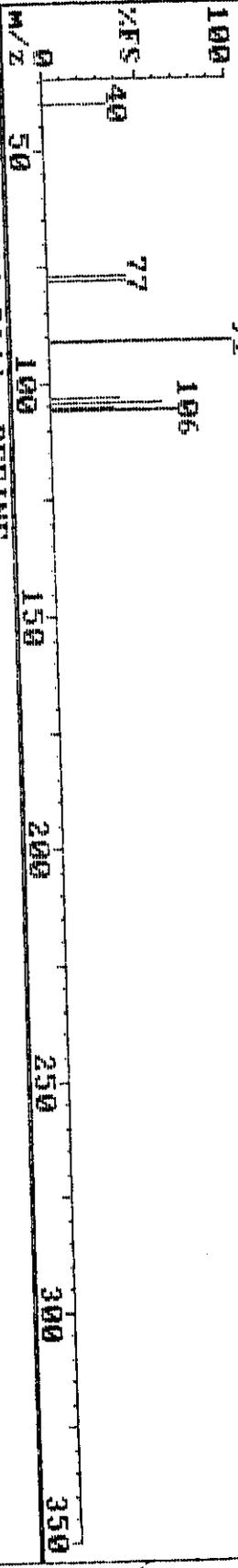


449

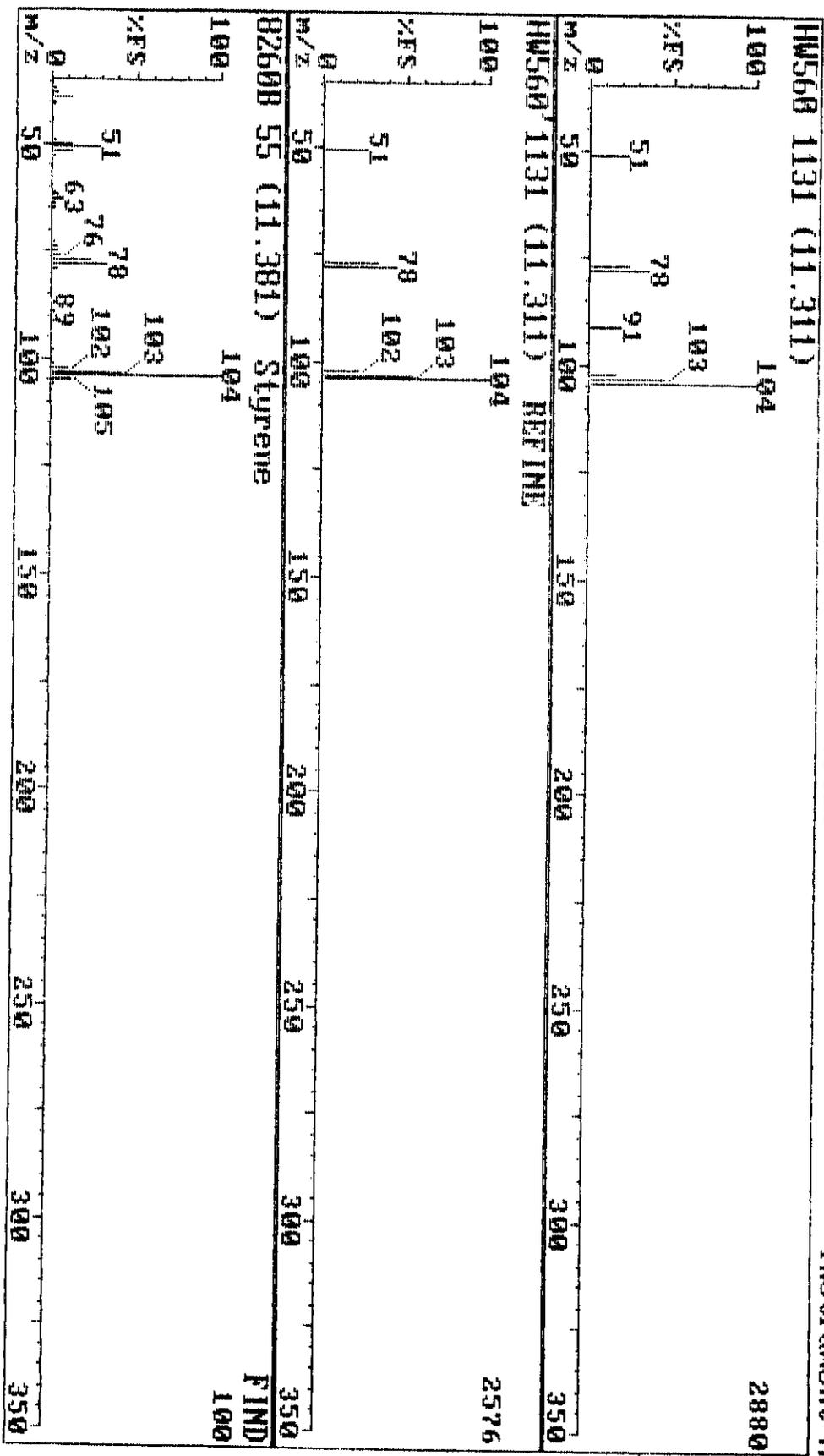
08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-1-B T/C 214-27-2RD TL1#46323

HM560 1126 (11.261) 1280



08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729
 Sample: T-U-4-1-B T/C 214-27-20B TL1#46323 Instrument H

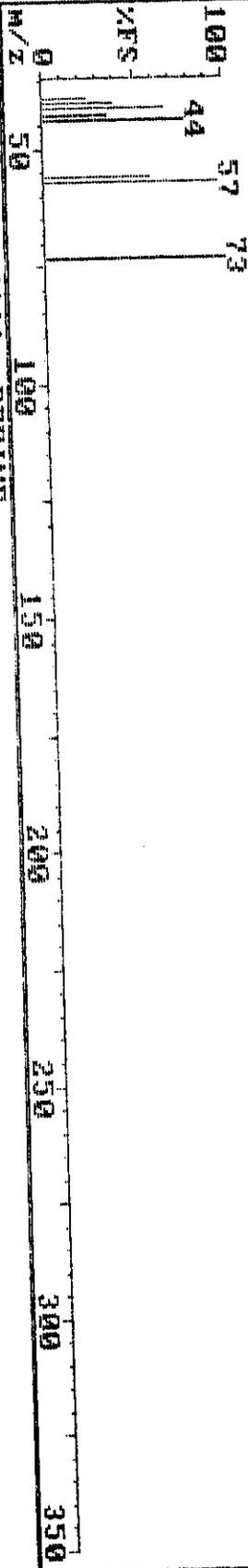


08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-1-B T/C 214-27-20D TL#46323

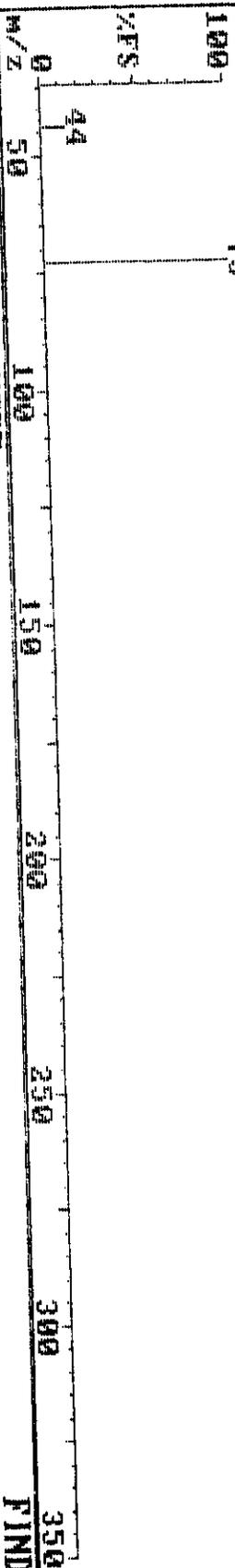
HM560 341 (3.410)

1696



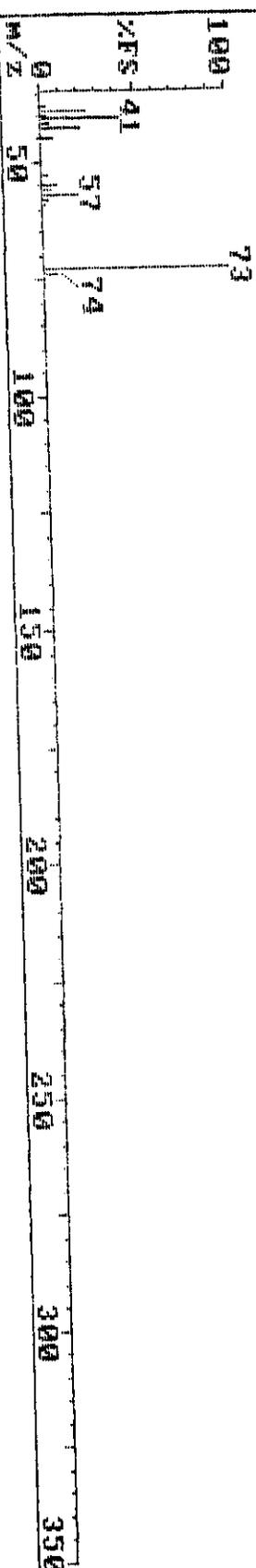
HM560 341 (3.411) REFINE

1440



BZ6BX 10 (3.400) NTBE

FIND 100



08-09-98 09:11

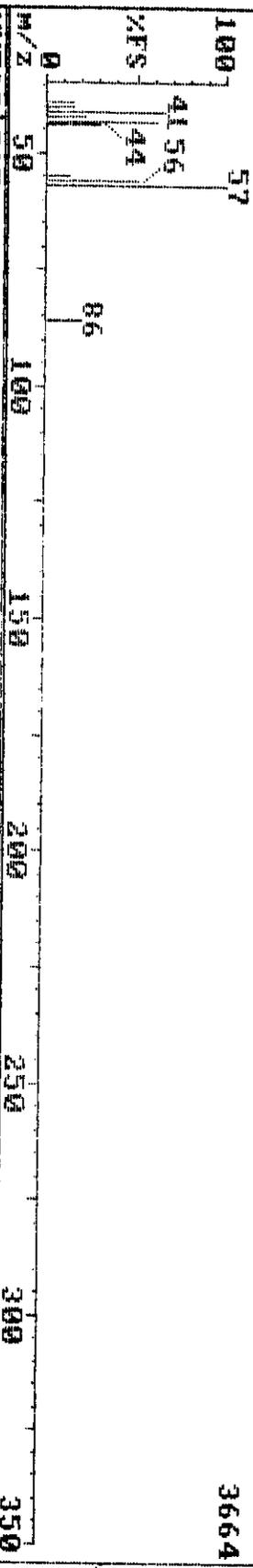
Triangle Laboratories, Inc.

(919) 544-5729

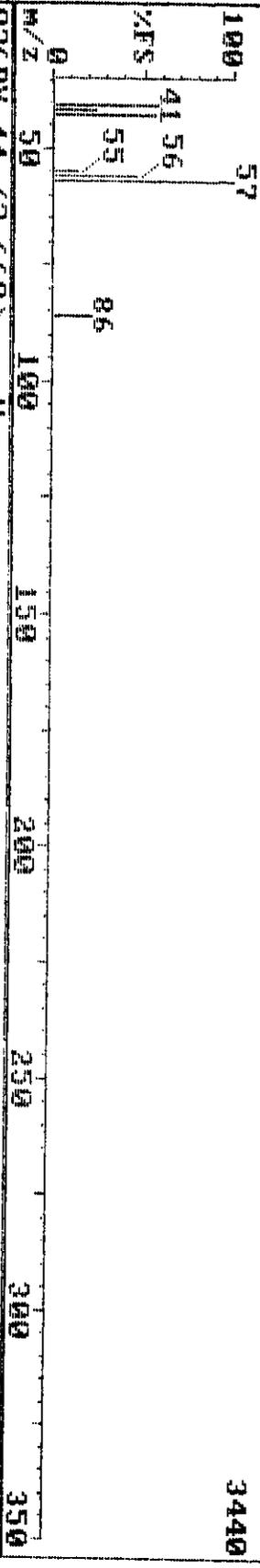
Sample: T-U-4-1-B T/C 214-27-20R TL1#46323

Instrument H

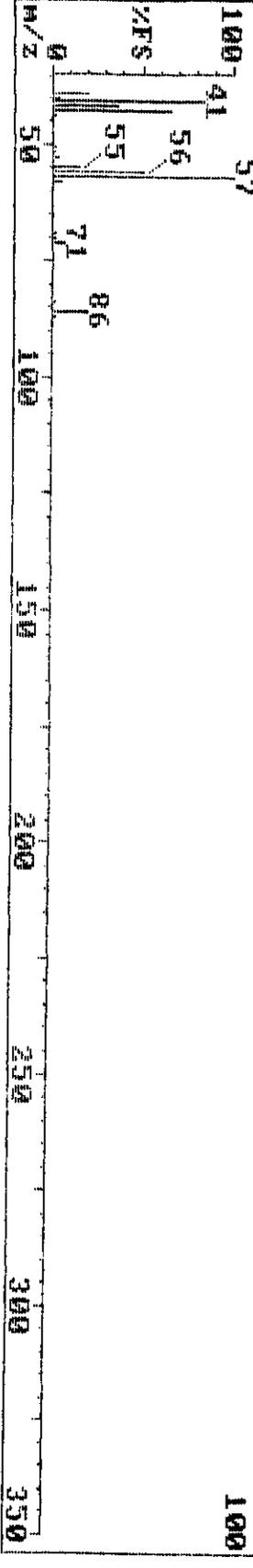
HW560 367 (3.670)



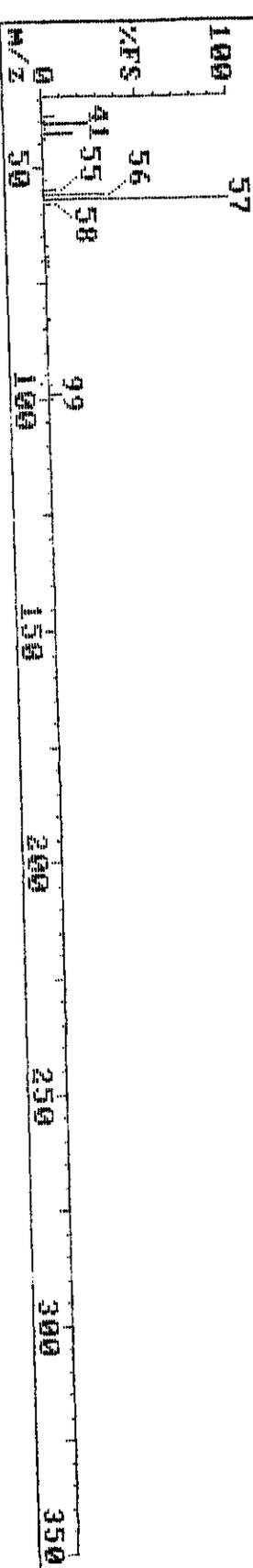
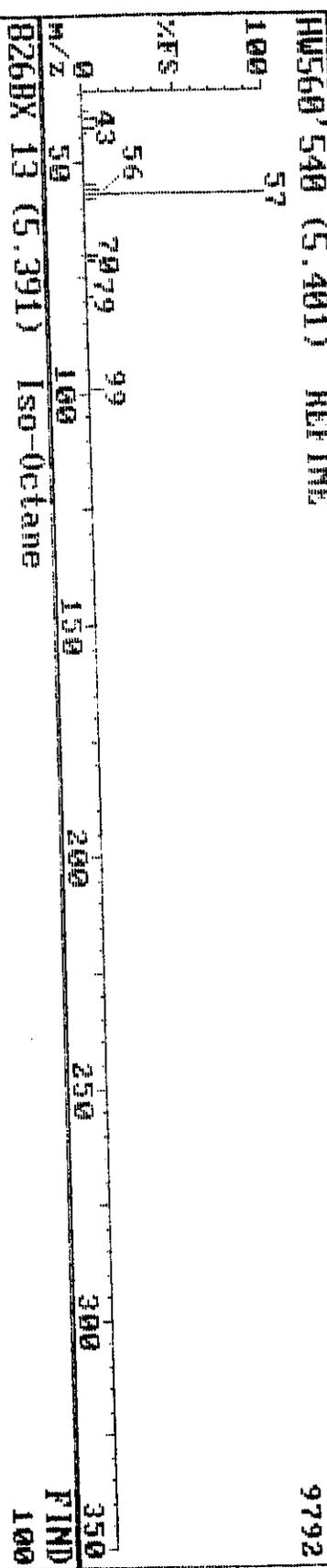
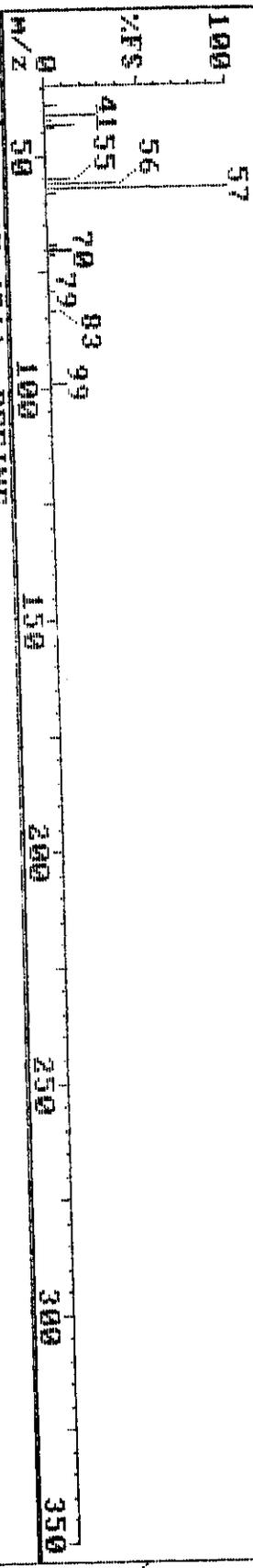
HW560 367 (3.671) REFINE



BZ6BX 11 (3.660) n-Hexane



08-09-98 09:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
 Sample: T-U-4-1-B T/C 214-27-200 TL146323
 HW560 540 (5.401) 13056



Pacific Environmental Services

Project Number: 46323

Sample File: HW563

Method 8260 VOST

Sample ID: T-V-4-2-A T

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALH809

TLI ID: 214-27-21A

Date Analyzed : 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.02 | | |
| Chloromethane | 0.005 | BJ | 0.93 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.006 | BJ | 1.43 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | 0.036 | J | 2.69 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.674 | B | 3.01 | | 0.05 |
| Acrylonitrile | | U | | 0.006 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.003 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 5.74 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.034 | BJ | 5.21 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capicola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 16:11 08/10/1998

450

247

Pacific Environmental Services

Project Number: 46323
Sample File: HW563

Method 8260 VOST
Sample ID: T-V-4-2-A T

Client Project: R012.001
TLI ID: 214-27-21A

Date Received: 07/29/98

Response File: ICALH809

Date Analyzed: 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.002 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.001 | 0.05 |
| Toluene | 0.010 | BJ | 7.71 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₃ | | IS 3 | 9.95 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.002 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | 0.003 | BJ | 11.30 | | 0.05 |
| Bromoform | | U | | 0.001 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.08 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: HW563

Method 8260 VOST
Sample ID: T-V-4-2-A T

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALH809

TLI ID: 214-27-21A

Date Analyzed: 08/09/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.242 | 4.89 | 1 | 97 |
| Toluene-d ₈ | 0.244 | 7.62 | 2 | 98 |
| 4-Bromofluorobenzene | 0.271 | 12.25 | 2 | 108 |

Reviewed by PAB Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
801 Capitola Drive • Durham, North Carolina 27713
Phone: (919) 544-5729 • Fax: (919) 544-5491

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Printed: 16:11 08/10/1998

452

243

Pacific Environmental Services

Project Number: 46323
 Sample File: HW563

Method 8260 VOST
 Sample ID: T-V-4-2-A T

Client Project: R012.001
 TLI ID: 214-27-21A

Date Received: 07/29/98

Response File: ICALH809

Date Analyzed: 08/09/98

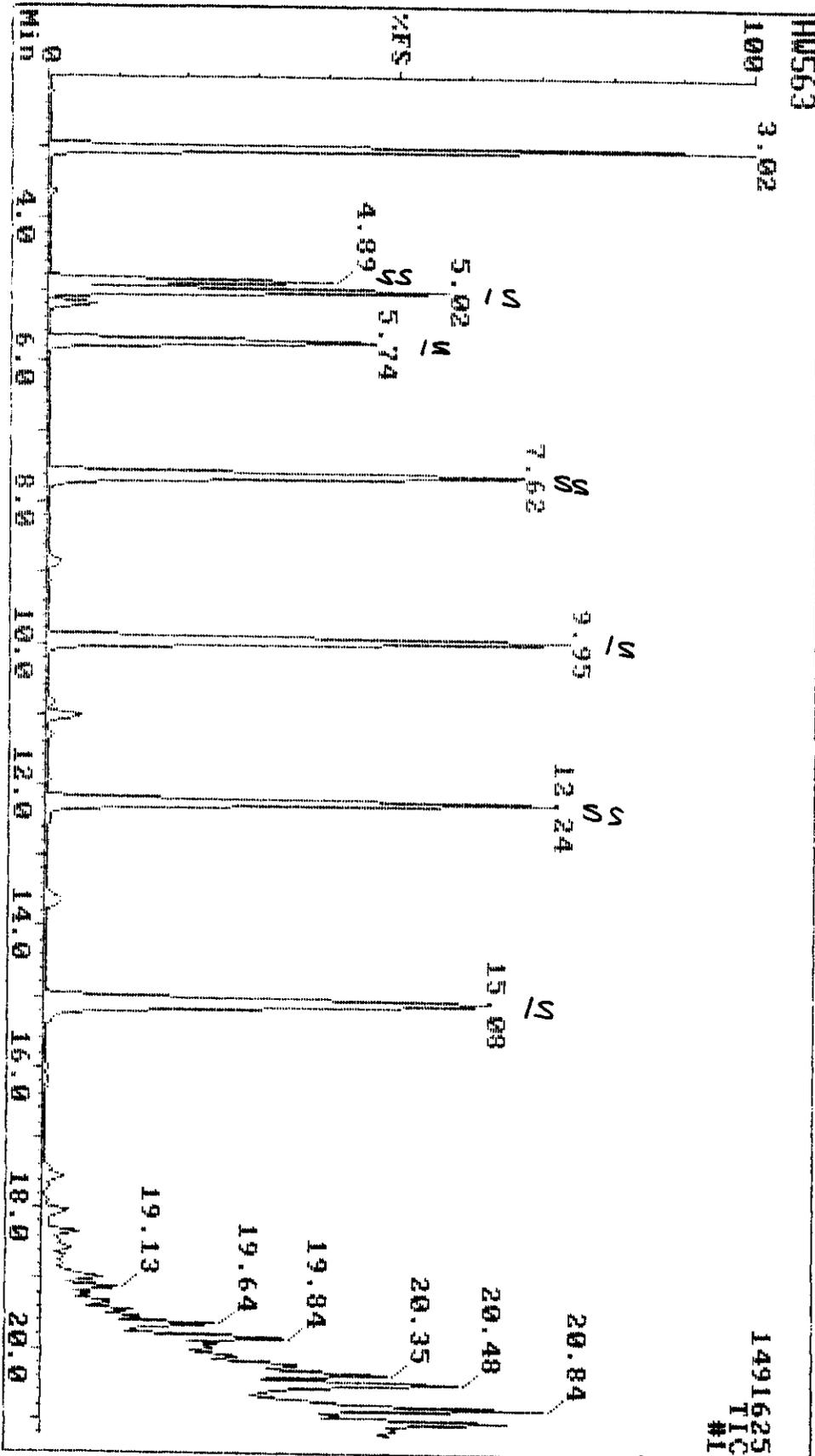
| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.02 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.002 | 0.25 |
| n-Hexane | 0.006 | J | 3.63 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.041 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 5.74 | | |
| Ethyl acrylate | | U | | 0.001 | 0.25 |

Reviewed by PAW Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

08-09-98 11:11 Triangle Laboratories, Inc. (919) 544-5729
Sample: T-U-4-2-A T 214-27-21A TLM46323 Instrument H



Data Review: PAB
Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|--------------|------------------|---------------|-----------------|------------------------------|
| 1 | 100 | 86 | 98 | -7 | 2423308 | bv | 5.02 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 98 | -1 | 2207752 | bb | 5.74 | 114 1,4-Difluorobenzene |
| 3 | 100 | 94 | 94 | 7 | 3233076 | bv | 9.95 | 117 Chlorobenzene-d5 |
| 4 | 100 | 82 | 98 | -4 | 2122609 | bv | 15.08 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 98 | 100 | 0 | 1249872 | bv | 4.89 | 113 Dibromofluoromethane |
| 6 | 100 | 94 | 98 | 2 | 3014892 | bv | 7.62 | 98 Toluene-d8 |
| 7 | 87 | 90 | 93 | 10 | 1794012 | bv | 12.25 | 95 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 85 Dichlorodifluoromethane |
| 9 | 76 | 69 | 69 | -5 | 17996 | bb | 0.93 | 50 Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 Vinyl Chloride |
| 11 | 88 | 70 | 86 | -5 | 24592 | bb | 1.43 | 94 Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 64 Chloroethane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 101 Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 1,1-Dichloroethene |
| 15 | 59 | 42 | 52 | 0 | 3836 | bb | 2.58 | 142 Iodomethane |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 Carbon disulfide |
| 17 | 80 | 55 | 87 | 4 | 17292 | bv | 2.69 | 43 acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Allyl chloride |
| 19 | 100 | 99 | 100 | -5 | 2311952 | bv | 3.01 | 84 Methylene chloride |
| 20 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 53 Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 trans-1,2-Dichloroethene |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 43 Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 77 2,2-Dichloropropane |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 cis-1,2-Dichloroethene |
| 26 | 70 | 50 | 50 | 0 | 8592 | A | 4.45 | 43 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 128 Bromochloromethane |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 117 Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,1-Dichloropropene |
| 32 | 100 | 97 | 97 | 0 | 355744 | bv | 5.21 | 78 Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 130 Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,2-Dichloropropane |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 93 Dibromomethane |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 cis-1,3-Dichloropropene |
| 40 | 44 | 1 | 73 | 2 | 20292 | A | 7.62 | 43 4-Methyl-2-pentanone |
| 41 | 98 | 78 | 90 | 2 | 87876 | bb | 7.71 | 92 Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 trans-1,3-Dichloropropene |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,2-Trichloroethane |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 69 Ethyl methacrylate |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 164 Tetrachloroethene |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 1,3-Dichloropropane |
| 47 | 54 | 51 | 51 | 5 | 14988 | A | 7.11 | 43 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 129 Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 107 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 112 Chlorobenzene |

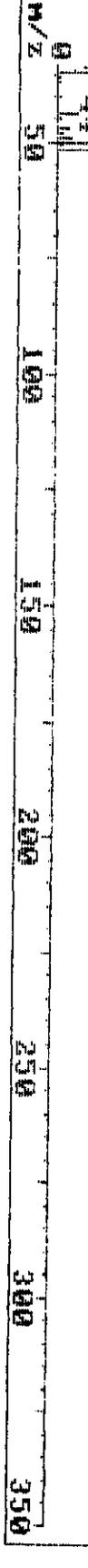
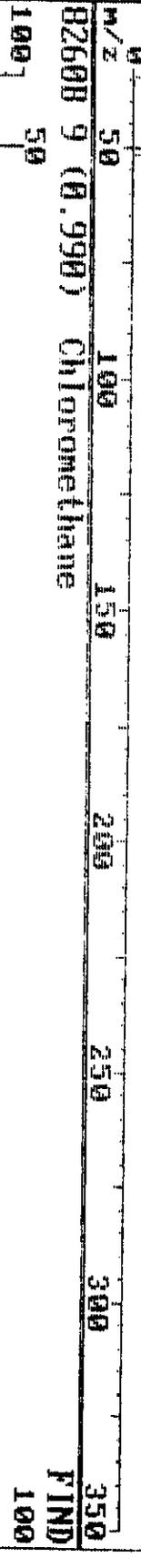
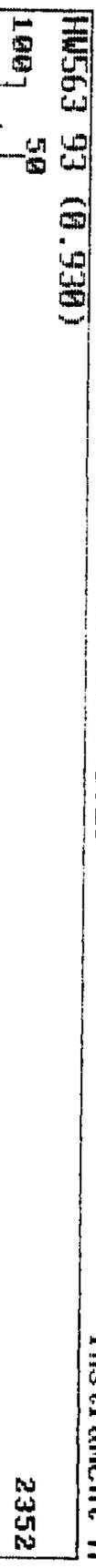
Data Review: PAB
Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|---------------|-----------------|---------------|------------------|------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 131 1,1,1,2-Tetrachloroethan |
| 52 | 29 | 53 | 53 | 24 | 2628 | bb | 10.53 | 106 Ethylbenzene |
| 53 | 63 | 52 | 52 | 1 | 2628 | bb | 10.53 | 106 m-/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 o-Xylene |
| 55 | 98 | 78 | 85 | 2 | 39804 | bb | 11.30 | 104 Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 173 Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 105 Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 1,1,2,2-Tetrachloroethan |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 156 Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 120 n-Propylbenzene |
| 62 | 23 | 10 | 46 | -23 | 932608 | A | 12.25 | 75 trans-1,4-Dichloro-2-but |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 4-Chlorotoluene |
| 65 | 30 | 39 | 39 | -16 | 880 | bb | 13.13 | 105 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 tert-Butylbenzene |
| 67 | 54 | 39 | 50 | 2 | 28548 | A | 14.21 | 105 1,2,4-Trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 105 sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2-Dibromo-3-chloroprop |
| 76 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 180 1,2,4-Trichlorobenzene |
| 77 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 225 Hexachlorobutadiene |
| 78 | 41 | 31 | 73 | 16 | 101048 | bv | 19.32 | 128 Naphthalene |
| 79 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 180 1,2,3-Trichlorobenzene |

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|-----|-----|-----|-------|---------|---------|-------|----------------------------|
| 1 | 100 | 86 | 98 | -2 | 2423308 | bv | 5.02 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 98 | 0 | 2207752 | bb | 5.74 | 114 1,4-Difluorobenzene |
| 3 | 100 | 94 | 94 | 4 | 3233076 | bv | 9.95 | 117 Chlorobenzene-d5 |
| 4 | 100 | 82 | 98 | 4 | 2122609 | bv | 15.08 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 98 | 100 | 1 | 1249872 | bv | 4.89 | 113 Dibromofluoromethane |
| 6 | 100 | 94 | 98 | 1 | 3014892 | bv | 7.62 | 98 Toluene-d8 |
| 7 | 93 | 90 | 93 | 8 | 1794012 | bv | 12.25 | 95 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 39 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 Vinyl bromide |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 73 MTBE |
| 11 | 100 | 94 | 94 | -1 | 38900 | bb | 3.63 | 57 n-Hexane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 42 1,2-Epoxybutane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 57 Iso-Octane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 55 Ethyl acrylate |

Data Review: PAB
 Date: 8/10/98

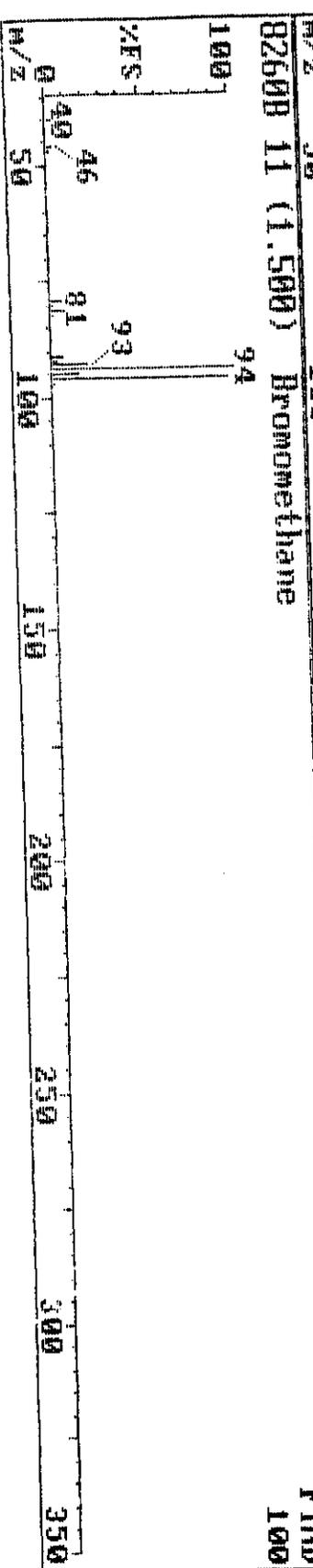
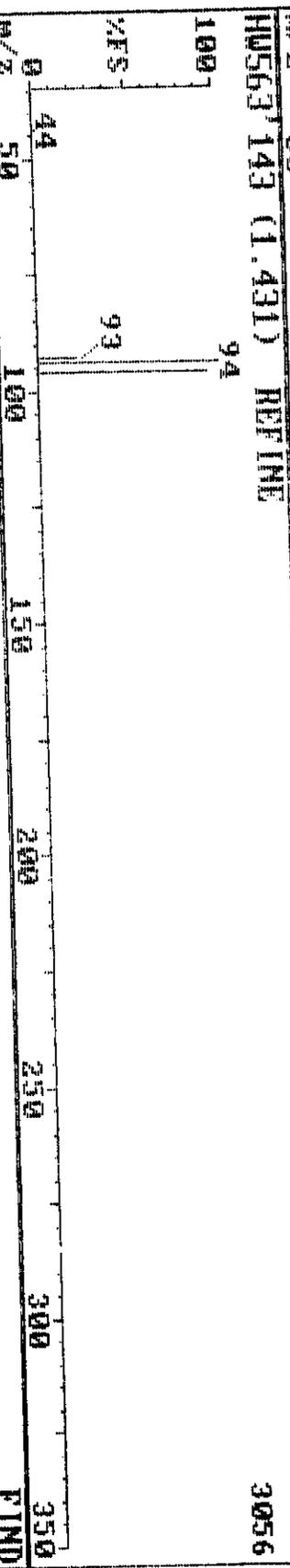
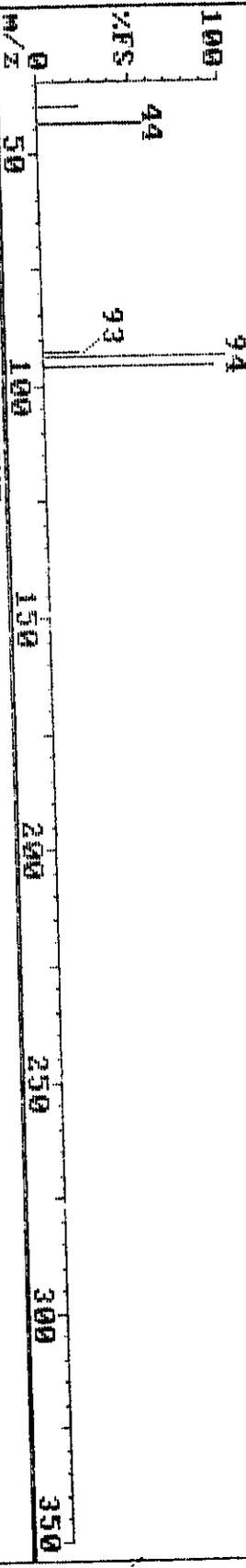
08-09-98 11:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
Sample: T-U-4-2-A T 214-27-21A T1146323



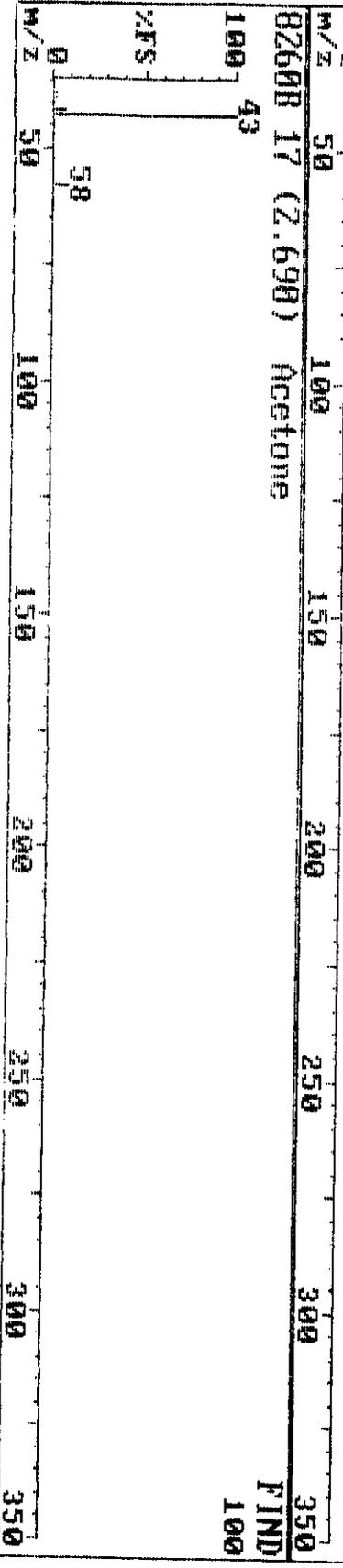
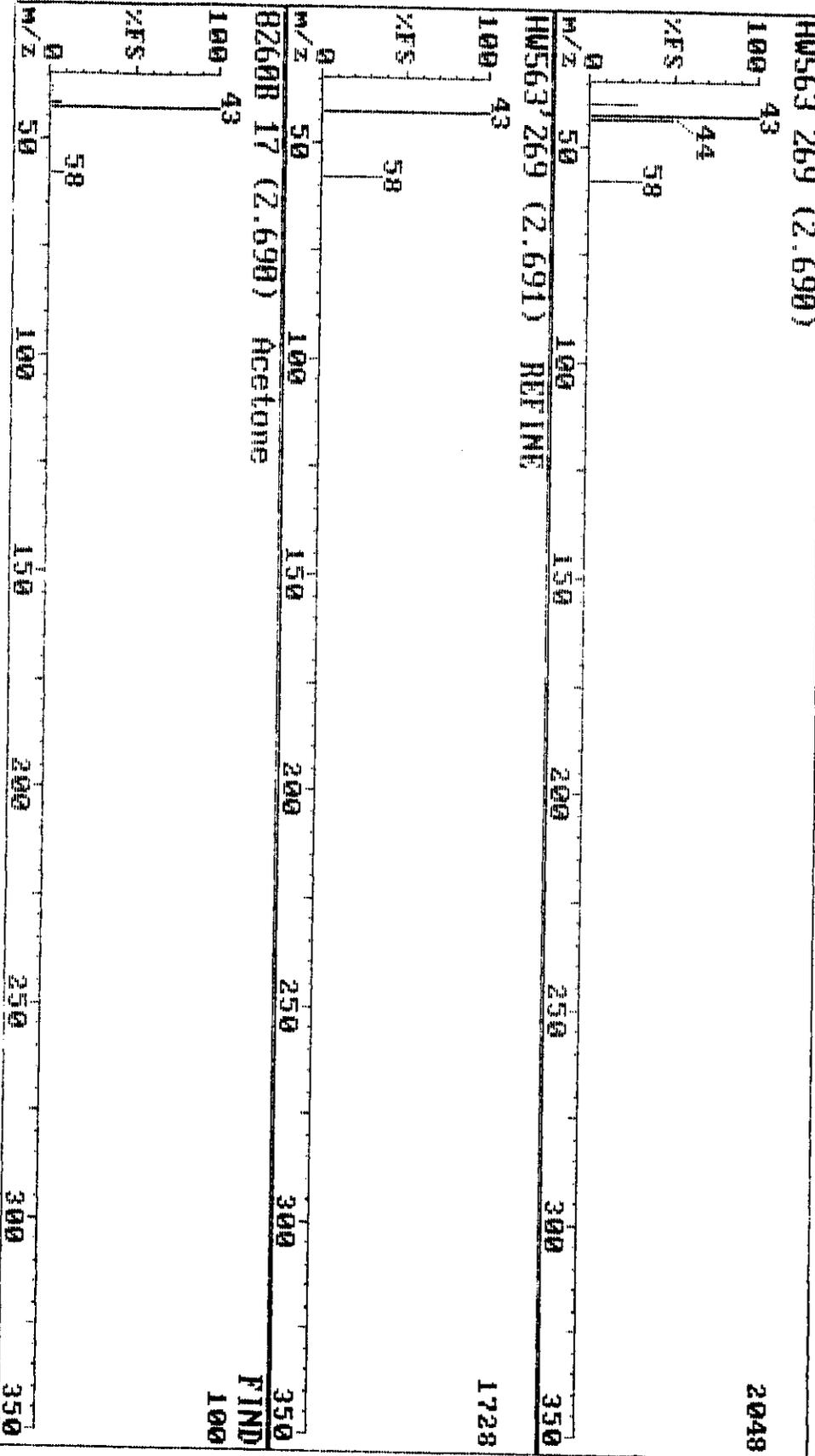
08-09-98 11:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-Z-A T 214-27-21A TLW46323

HW563 143 (1.430) 3360

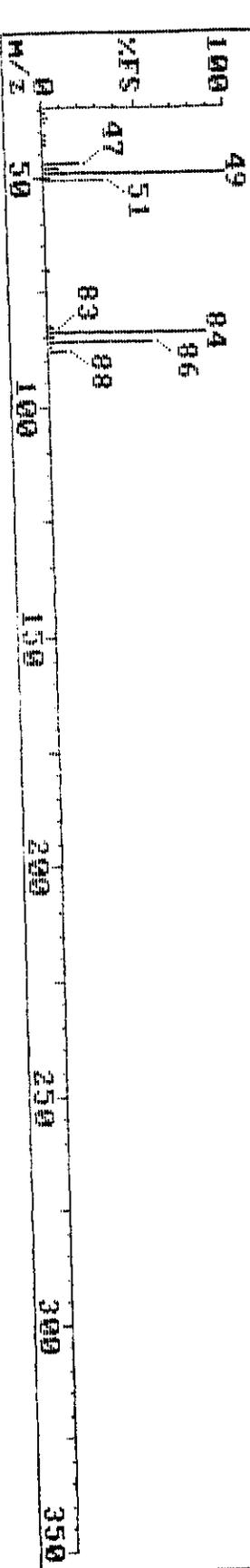
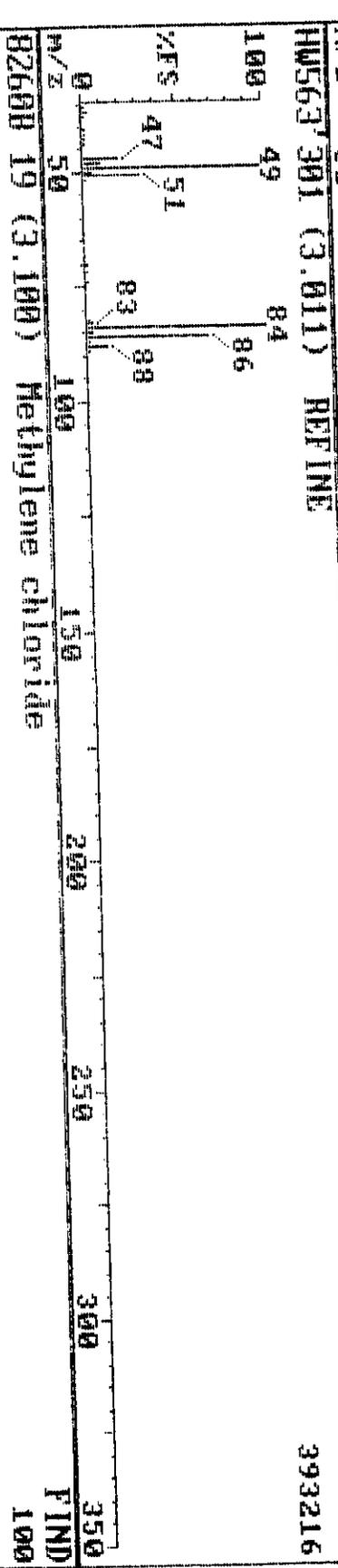
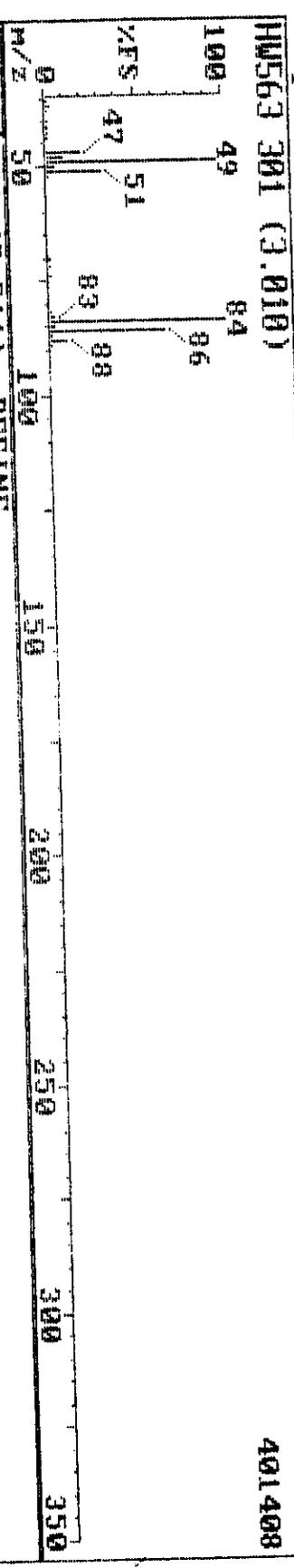


08-09-98 11:11 Triangle Laboratories, Inc. (919) 544-5729
Sample: T-U-4-2-A T 214-27-21A TLH46323 Instrument H



08-09-98 11:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

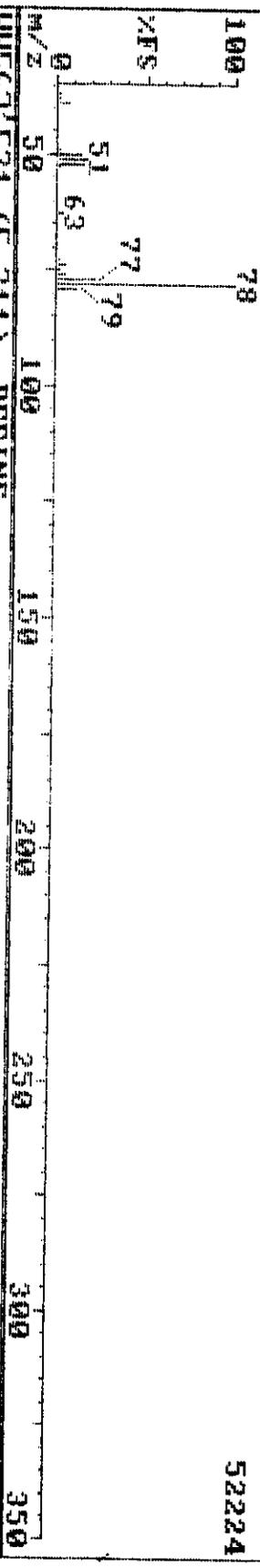
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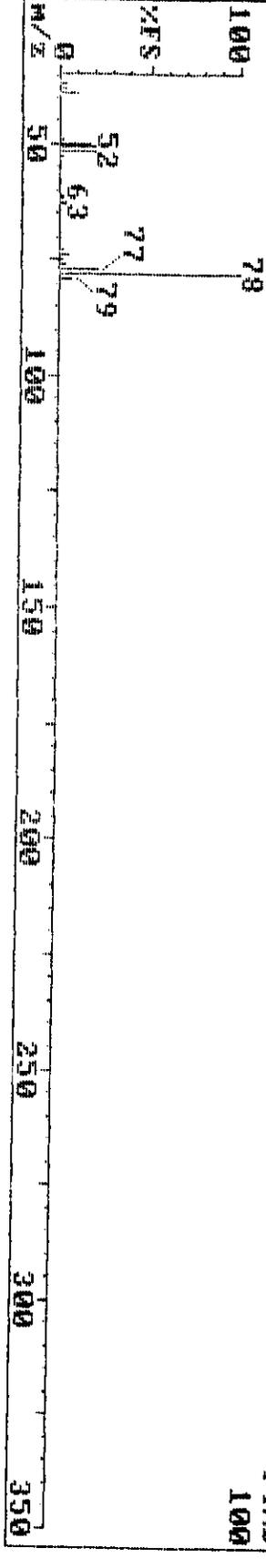
08-09-98 11:11 Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-2-A T 214-27-21A TL#46323 Instrument H

HM563 521 (5.211)



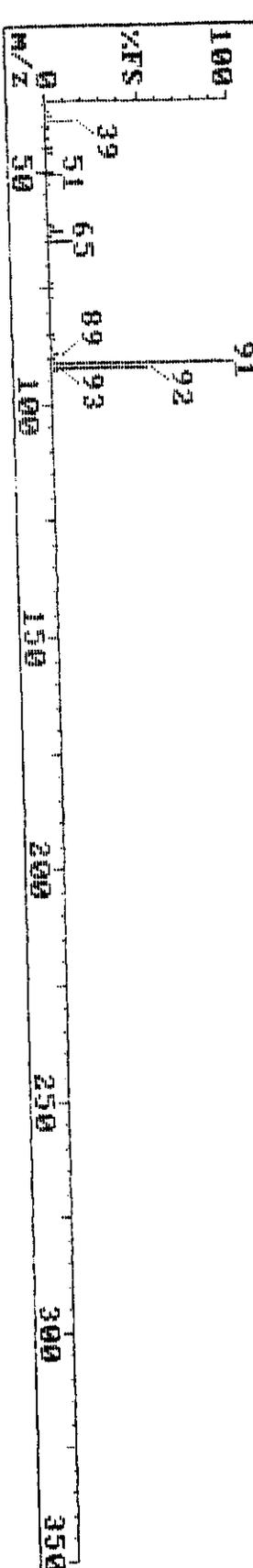
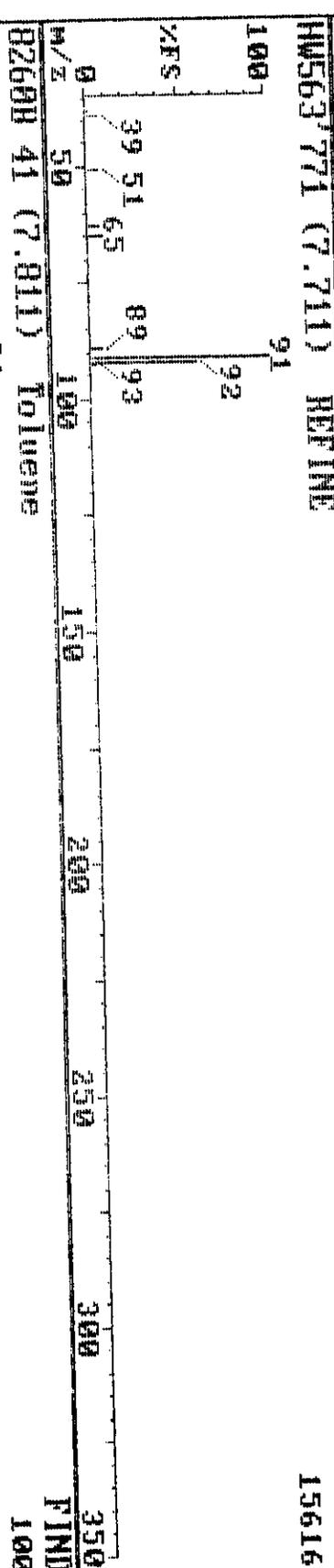
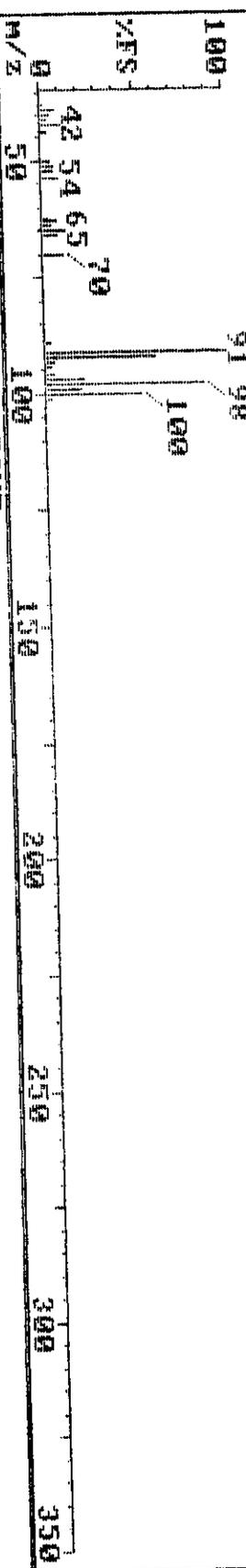
8260B 32 (5.291) Benzene



08-09-98 11:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-2-A T 214-27-21A T1146323

HW563 771 (7.711) 17408



08-09-98 11:11

Triangje Laboratories, Inc. (919) 544-5729

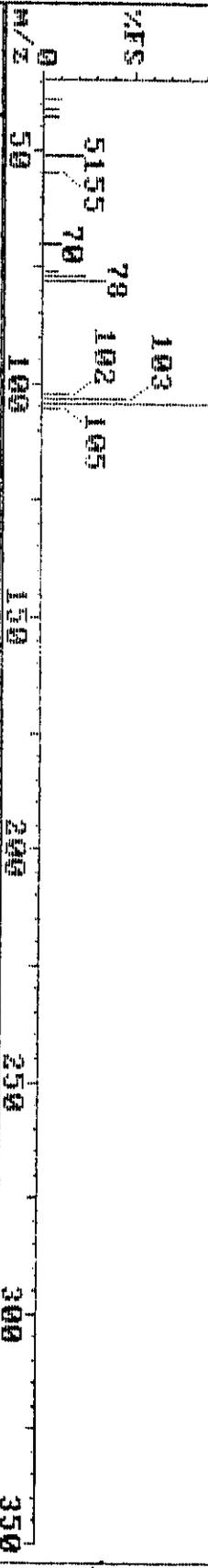
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Instrument H

HM563 1130 (11.301)

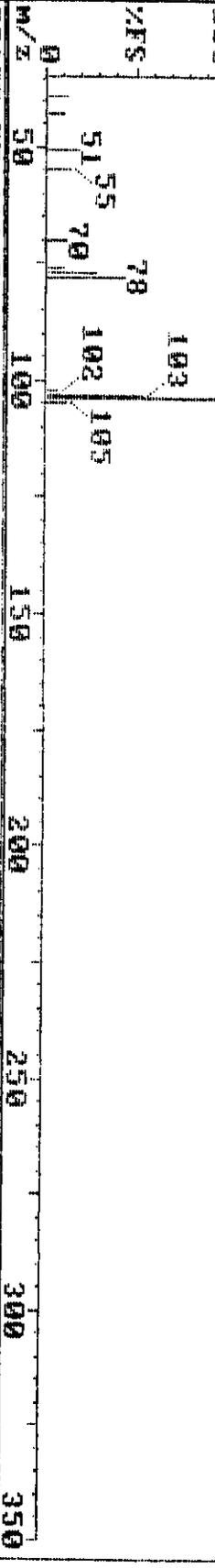
104

4864



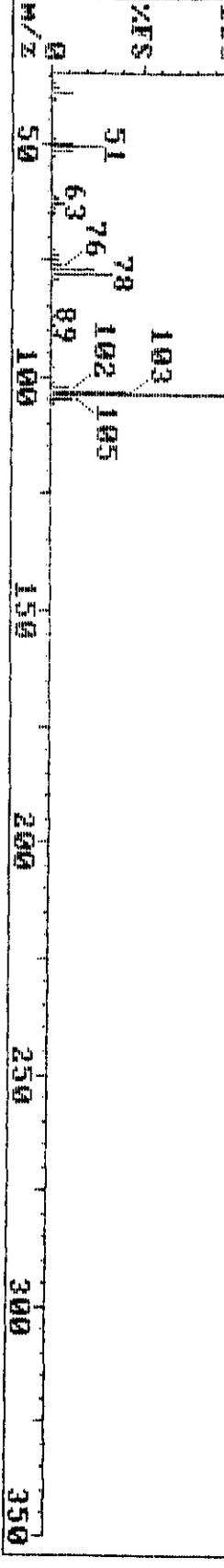
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4160

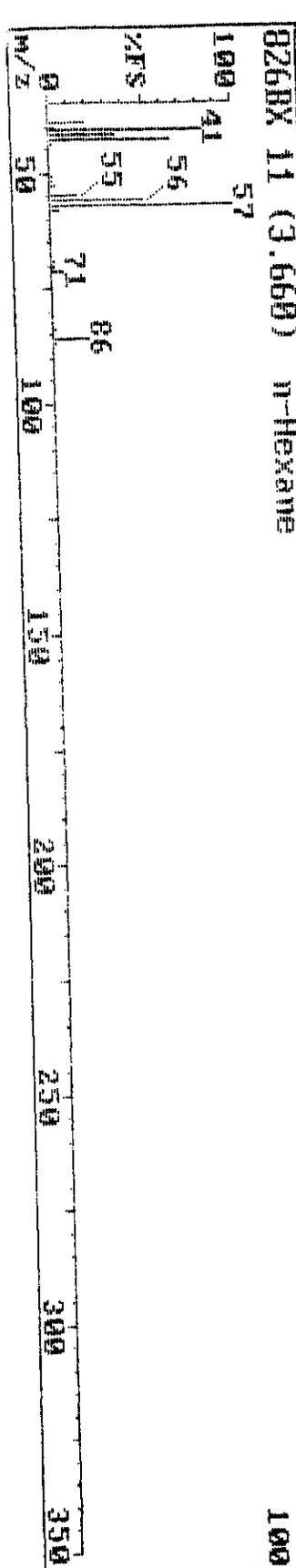
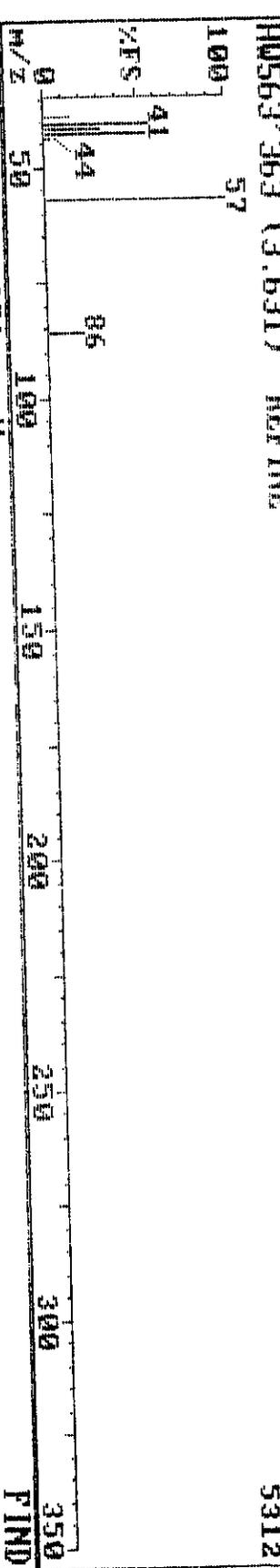
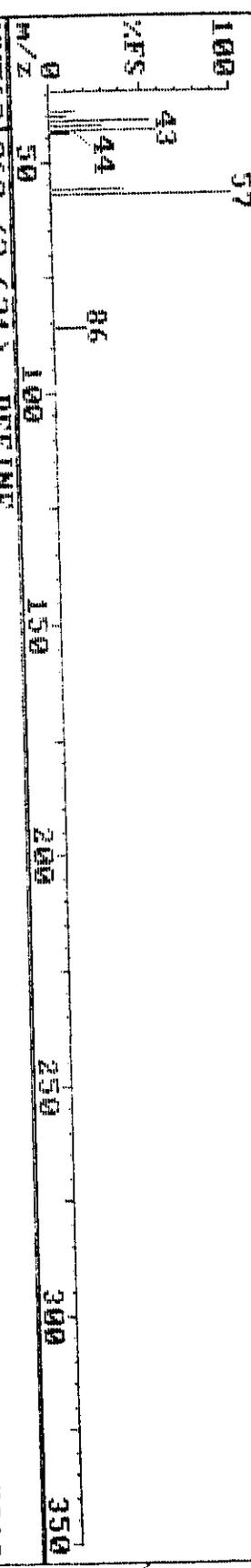


82600 55 (11.301) Styrene

FTND 100



08-09-98 11:11 Triangle Laboratories, Inc. (919) 544-5729 Instrument H
 Sample: T-U-4-2-A T 214-27-21A TLH46323
 HM563 363 (3.630) 5568



Pacific Environmental Services

Project Number: 46323
Sample File: HW561

Method 8260 VOST
Sample ID: T-V-4-2-B TC

Client Project: R012.001
TLI ID: 214-27-21B

Date Received: 07/29/98

Response File: ICALH809

Date Analyzed : 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.04 | | |
| Chloromethane | 0.015 | BJ | 0.97 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.004 | BJ | 1.46 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | 0.003 | J | 1.90 | | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | 0.033 | J | 2.79 | | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 1.666 | BE | 3.06 | | 0.05 |
| Acrylonitrile | | U | | 0.006 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 5.77 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.015 | BJ | 5.23 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

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Printed: 16:11 08/10/1998

466

263

Pacific Environmental Services

Project Number: 46323
Sample File: HW561

Method 8260 VOST
Sample ID: T-V-4-2-B TC

Client Project: R012.001
TLI ID: 214-27-21B

Date Received: 07/29/98

Response File: ICALH809

Date Analyzed: 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.002 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.001 | 0.05 |
| Toluene | 0.007 | BJ | 7.75 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 9.96 | | 0.05 |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.002 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.10 |
| m-/p-Xylene | | U | | 0.001 | 0.05 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | 0.001 | BJ | 11.31 | | 0.05 |
| Bromoform | | U | | 0.001 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.07 | | 0.05 |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: HW561

Method 8260 VOST
Sample ID: T-V-4-2-B TC

Client Project: R012.001

Date Received: 07/29/98

Response File: ICALH809

TLI ID: 214-27-21B

Date Analyzed : 08/09/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.252 | 4.91 | 1 | 101 |
| Toluene-d ₈ | 0.267 | 7.65 | 2 | 107 |
| 4-Bromofluorobenzene | 0.268 | 12.24 | 2 | 107 |

Reviewed by GAB Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

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Printed: 16:11 08/10/1998

468

265

Pacific Environmental Services

Project Number: 46323
Sample File: HW561

Method 8260 VOST
Sample ID: T-V-4-2-B TC

Client Project: R012.001
TLI ID: 214-27-21B

Date Received: 07/29/98

Response File: ICALH809

Date Analyzed: 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.04 | | 0.25 |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.002 | 0.25 |
| n-Hexane | 0.003 | J | 3.67 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.045 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 5.77 | | 0.25 |
| Ethyl acrylate | | U | | 0.001 | 0.25 |

Reviewed by SAB Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

09-09-98 09:46

Triangle Laboratories, Inc.

(919) 544-5729

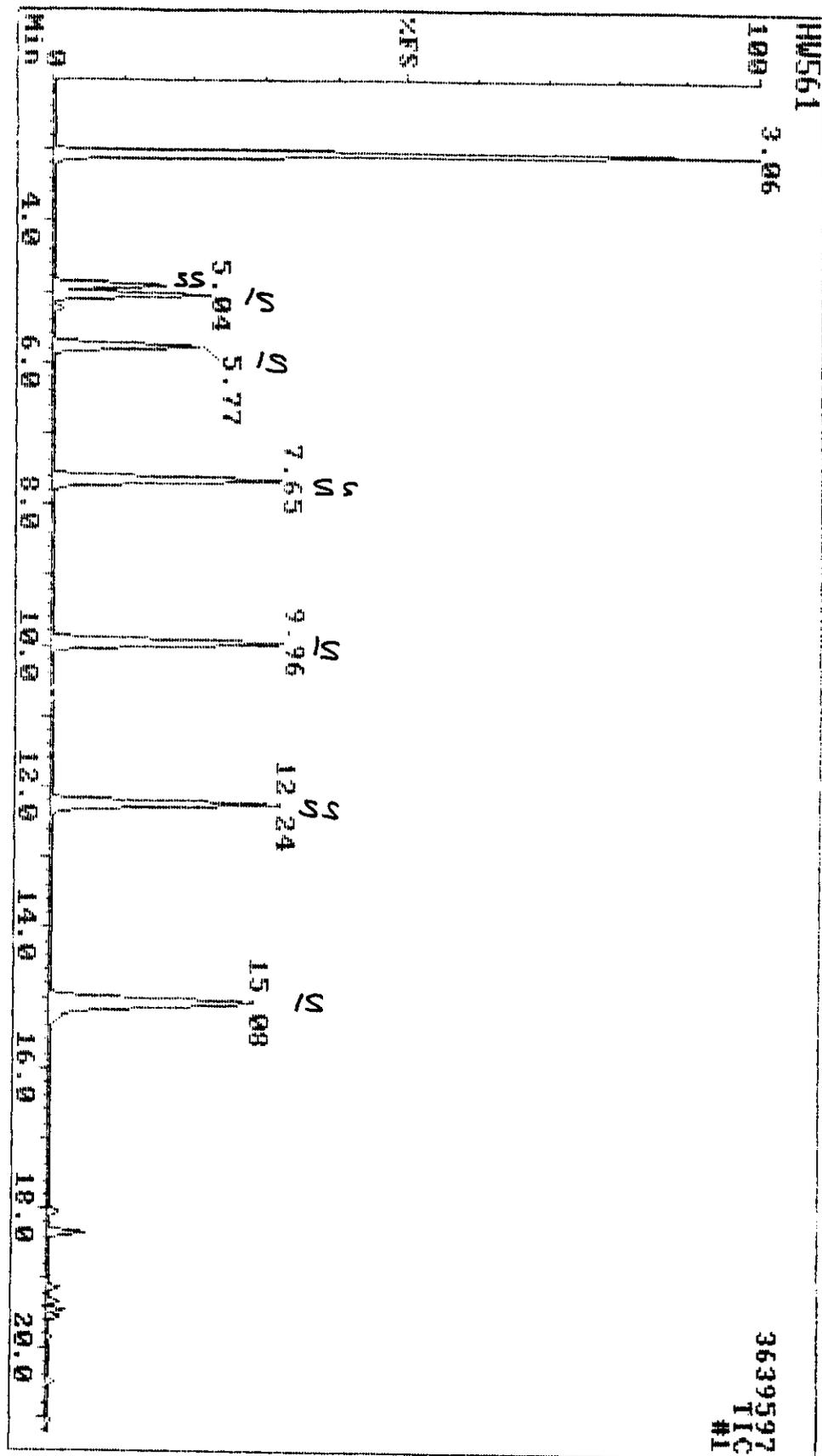
Sample: T-U-4-2-B T/C 214-27-21P TL1#46323

Instrument H

HW561

100% 3.06

3639597
TIC
#1



Data Review: *PaB*
Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|---------------|------------------|---------------|-----------------|------------------------------|
| 1 | 100 | 86 | 98 | -5 | 2231920 | bv | 5.04 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 98 | 0 | 2360532 | bv | 5.77 | 114 1,4-Difluorobenzene |
| 3 | 100 | 94 | 94 | 2 | 3394483 | bv | 9.96 | 117 Chlorobenzene-d5 |
| 4 | 100 | 82 | 98 | -7 | 2297468 | bv | 15.07 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 98 | 100 | 0 | 1196840 | bv | 4.91 | 113 Dibromofluoromethane |
| 6 | 100 | 93 | 98 | 1 | 3536848 | bv | 7.65 | 98 Toluene-d8 |
| 7 | 100 | 89 | 92 | 3 | 1901224 | bv | 12.24 | 95 4-Bromofluorobenzene |
| 8 | 100 | 65 | 99 | -1 | 1172140 | vv | 0.75 | 85 Dichlorodifluoromethane |
| 9 | 100 | 84 | 87 | -1 | 49364 | bv | 0.97 | 50 Chloromethane |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 Vinyl Chloride |
| 11 | 76 | 50 | 78 | -2 | 14012 | bb | 1.46 | 94 Bromomethane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 64 Chloroethane |
| 13 | 87 | 59 | 83 | -1 | 30852 | bb | 1.90 | 101 Trichlorofluoromethane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 1,1-Dichloroethene |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 142 Iodomethane |
| 16 | 60 | 53 | 60 | -1 | 17572 | bb | 2.73 | 76 Carbon disulfide |
| 17 | 52 | 31 | 84 | 13 | 14906 | bb | 2.79 | 43 Acetone |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Allyl chloride |
| 19 | 100 | 99 | 100 | -1 | 5265536 | bv | 3.06 | 84 Methylene chloride |
| 20 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 53 Acrylonitrile |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 trans-1,2-Dichloroethene |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 43 Vinyl acetate |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 77 2,2-Dichloropropane |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 cis-1,2-Dichloroethene |
| 26 | 65 | 57 | 57 | 3 | 6092 | bv | 4.53 | 43 2-Butanone |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 128 Bromochloromethane |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,1-Trichloroethane |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 117 Carbon tetrachloride |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,1-Dichloropropene |
| 32 | 100 | 95 | 95 | -1 | 166824 | bb | 5.23 | 78 Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 1,2-Dichloroethane |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 130 Trichloroethene |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 1,2-Dichloropropane |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 93 Dibromomethane |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 Methyl methacrylate |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 Bromodichloromethane |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 cis-1,3-Dichloropropene |
| 40 | 44 | 3 | 71 | 2 | 16480 | bb | 7.65 | 43 4-Methyl-2-pentanone |
| 41 | 98 | 74 | 90 | 2 | 65004 | bb | 7.75 | 92 Toluene |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 trans-1,3-Dichloropropene |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 1,1,2-Trichloroethane |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 69 Ethyl methacrylate |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 164 Tetrachloroethene |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 1,3-Dichloropropane |
| 47 | 25 | 12 | 44 | 14 | 14352 | bb | 7.13 | 43 2-Hexanone |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 129 Dibromochloromethane |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 107 1,2-Dibromoethane |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 112 Chlorobenzene |

~~PA B 8/10/98~~
 OK PA B 8/10/98
 (keep)

~~PA B 8/10/98~~

~~PA B 8/10/98~~

Data Review: PA B
 Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|---------------|-----------------|--------------|------------------|------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 131 1,1,1,2-Tetrachloroethan |
| 52 | 29 | 54 | 54 | 23 | 2152 | A | 10.52 | 106 Ethylbenzene |
| 53 | 63 | 52 | 52 | 1 | 2152 | A | 10.52 | 106 m-/p-Xylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 o-Xylene |
| 55 | 83 | 70 | 70 | 2 | 15088 | bb | 11.31 | 104 Styrene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 173 Bromoform |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 105 Cumene |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 1,1,2,2-Tetrachloroethan |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 156 Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2,3-Trichloropropane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 120 n-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 trans-1,4-Dichloro-2-but |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 2-Chlorotoluene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 4-Chlorotoluene |
| 65 | 30 | 39 | 39 | -16 | 1164 | bb | 13.12 | 105 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 tert-Butylbenzene |
| 67 | 60 | 53 | 53 | 4 | 15736 | A | 14.21 | 105 1,2,4-Trimethylbenzene |
| 68 | 64 | 54 | 54 | 2 | 408 | bb | 14.75 | 105 sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2-Dibromo-3-chloroprop |
| 76 | 62 | 81 | 91 | 18 | 56220 | bb | 19.13 | 180 1,2,4-Trichlorobenzene |
| 77 | 31 | 10 | 75 | 18 | 6272 | bb | 19.34 | 225 Hexachlorobutadiene |
| 78 | 53 | 63 | 78 | 18 | 135676 | bv | 19.33 | 128 Naphthalene |
| 79 | 61 | 79 | 90 | 18 | 53196 | bb | 19.54 | 180 1,2,3-Trichlorobenzene |

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|-----|-----|-----|-------|---------|---------|-------|----------------------------|
| 1 | 100 | 86 | 98 | 0 | 2231920 | bv | 5.04 | 168 Pentafluorobenzene |
| 2 | 100 | 97 | 98 | 1 | 2360532 | bv | 5.77 | 114 1,4-Difluorobenzene |
| 3 | 100 | 94 | 94 | 0 | 3394483 | bv | 9.96 | 117 Chlorobenzene-d5 |
| 4 | 100 | 82 | 98 | 2 | 2297468 | bv | 15.07 | 152 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 98 | 100 | 1 | 1196840 | bv | 4.91 | 113 Dibromofluoromethane |
| 6 | 100 | 93 | 98 | 0 | 3536848 | bv | 7.65 | 98 Toluene-d8 |
| 7 | 100 | 89 | 92 | 1 | 1901224 | bv | 12.24 | 95 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 39 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 Vinyl bromide |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 73 MTBE |
| 11 | 100 | 84 | 84 | 1 | 19384 | bb | 3.67 | 57 n-Hexane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 42 1,2-Epoxybutane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 57 Iso-Octane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 55 Ethyl acrylate |

08-09-98 09:46

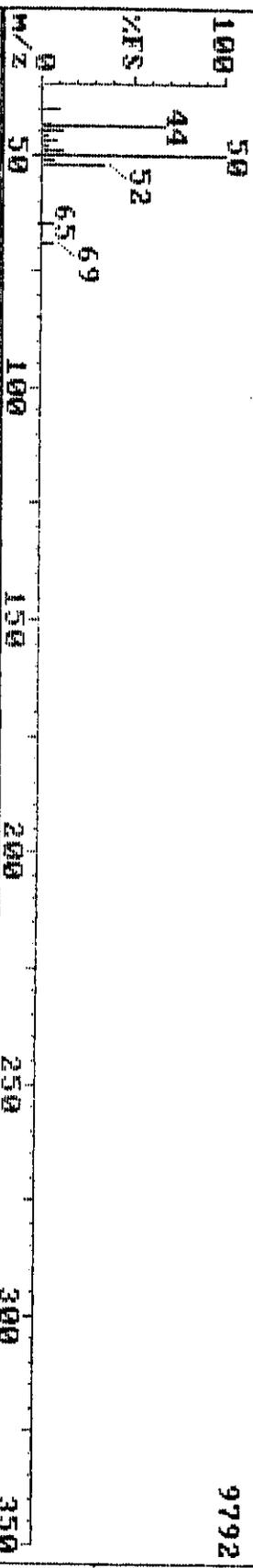
Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-2-B T/C 214-27-21D TL1#46323

Instrument H

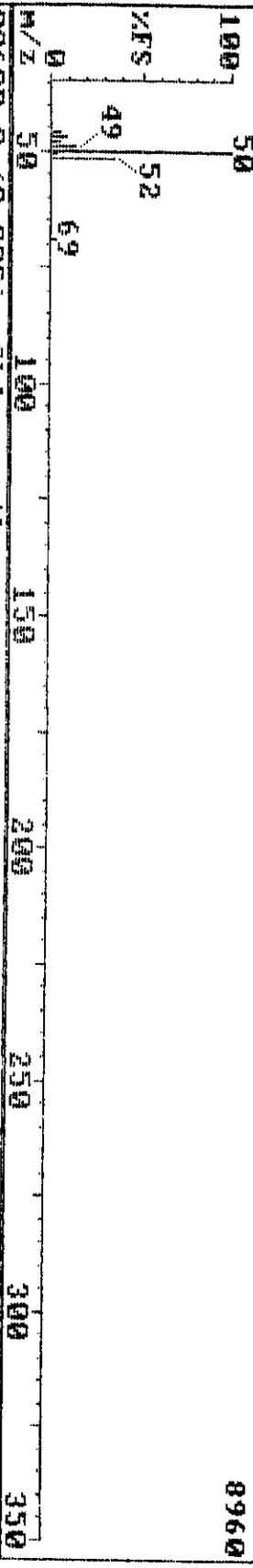
HM561 97 (0.970)

9792



HM561 97 (0.971) REFINE

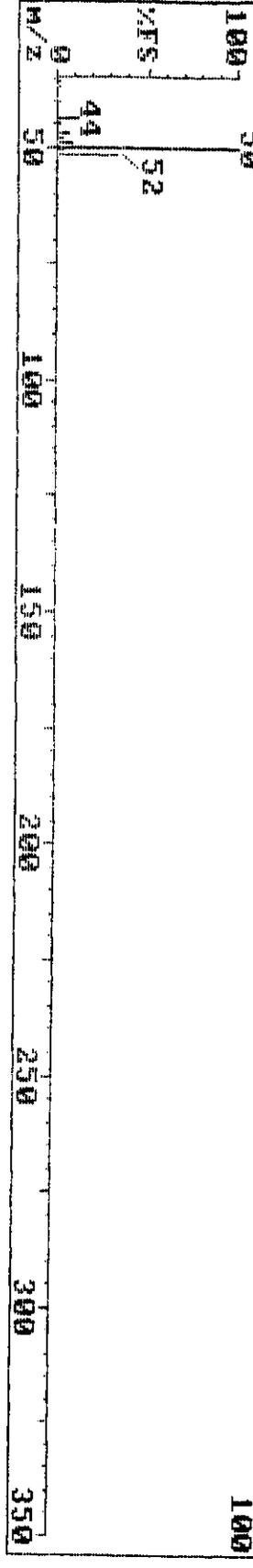
8960



BZ60B 9 (0.990) Chloromethane

FIND

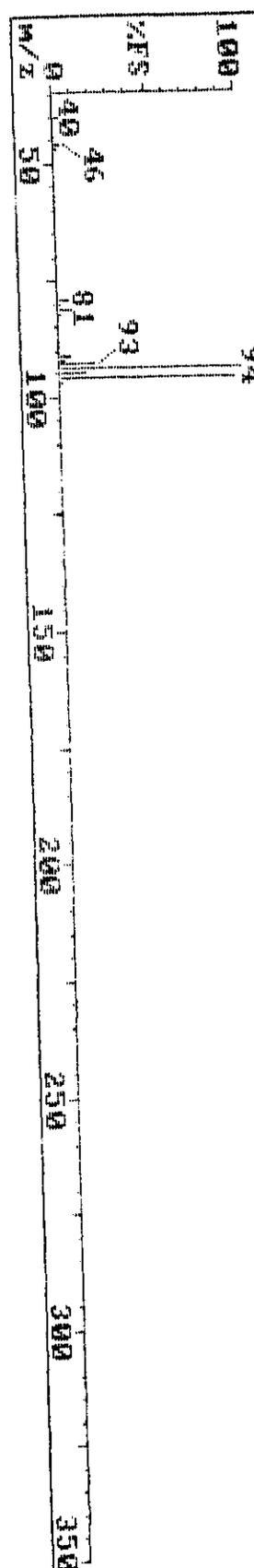
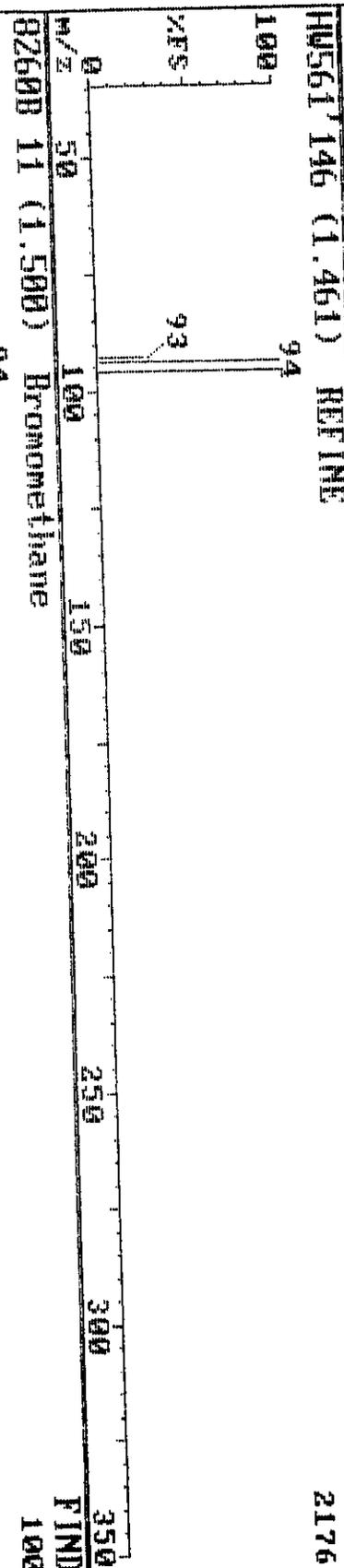
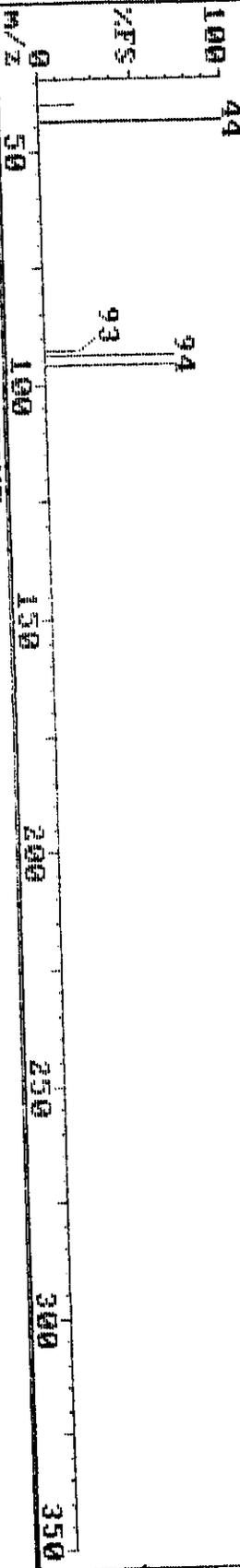
100



08-09-98 09:46 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-2-B T/C 214-27-21B TLM46323

HW561 146 (1.460) 3328



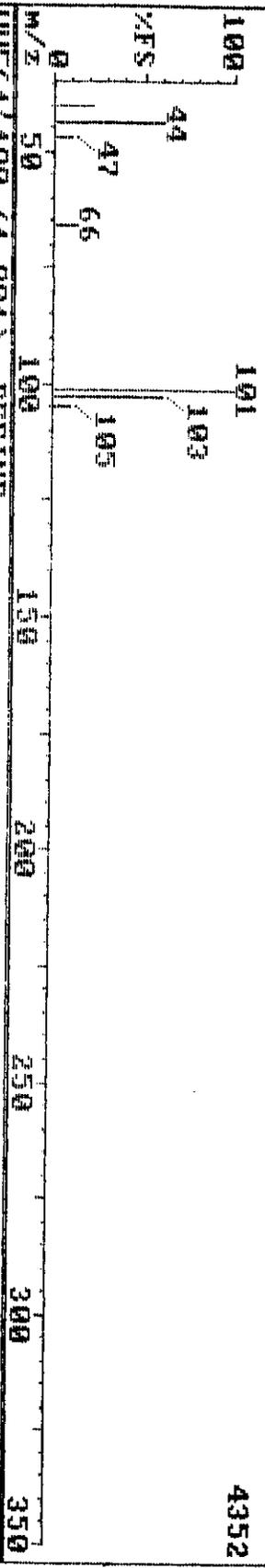
08-09-98 09:46

Triangle Laboratories, Inc. (919) 544-5729

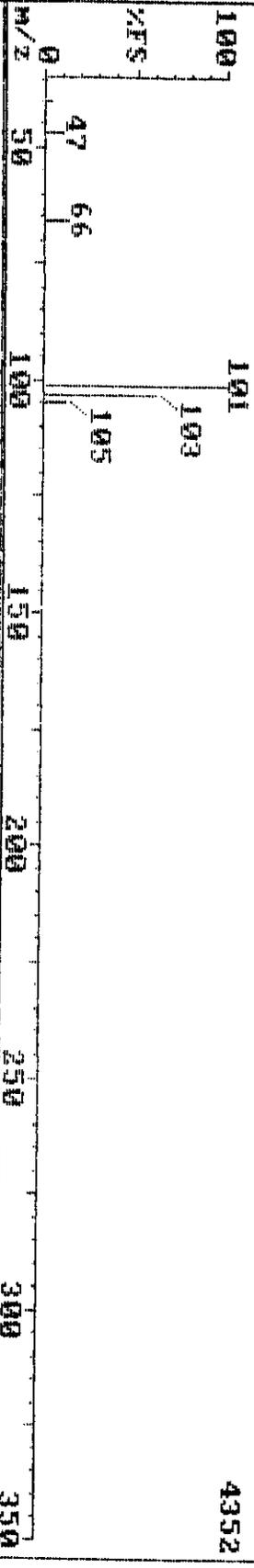
Sample: T-U-4-2-B T/C 214-27-21B TL1446323

Instrument H

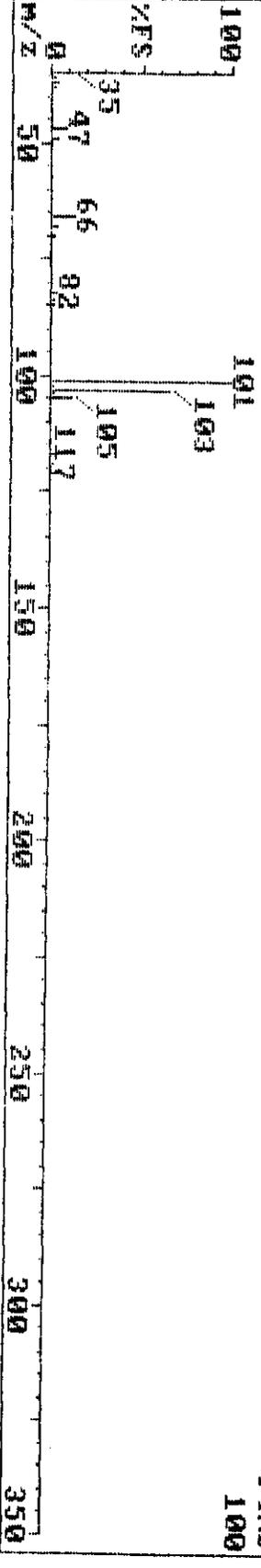
HM561 190 (1.900)



HM561 190 (1.901) REFINE



82608 13 (1.930) Trichlorofluoromethane



09-Aug-98 09:46

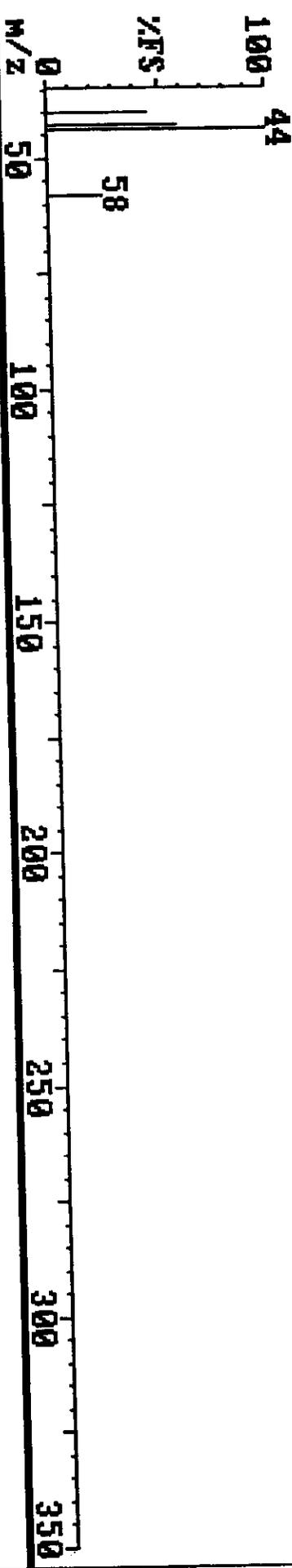
Triangle Laboratories, Inc. (919) 544-5729

Instrument H

Sample: T-U-4-2-B T/C 214-27-21B TL#46323

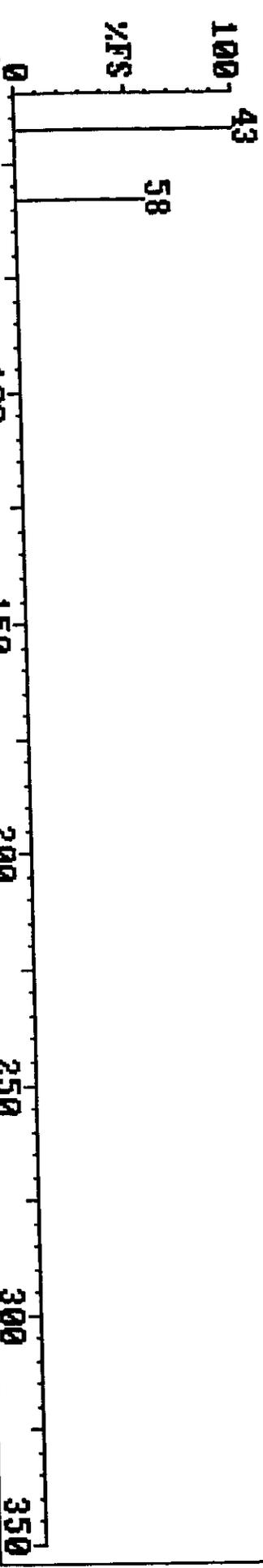
HM561 277 (2.770)

1600



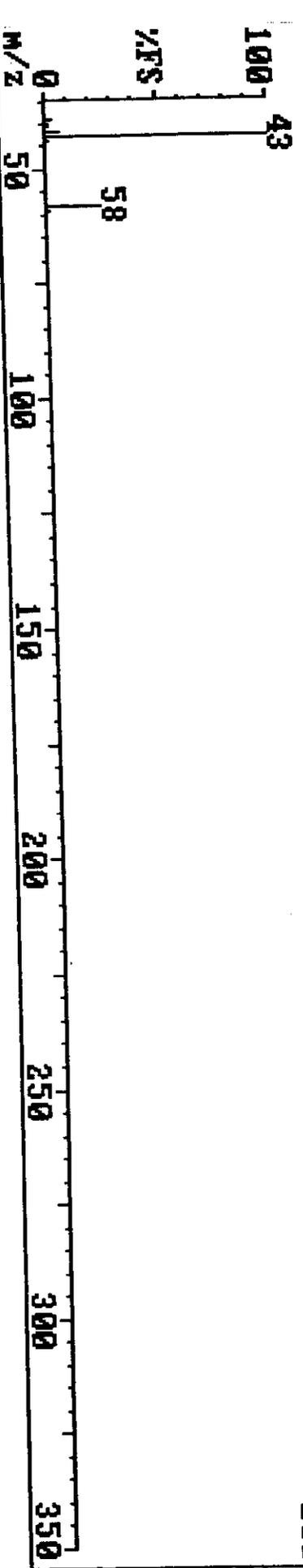
HM561 277 (2.771) REFINE

660



MASTER 20 (3.370) Acetone

FIND 100



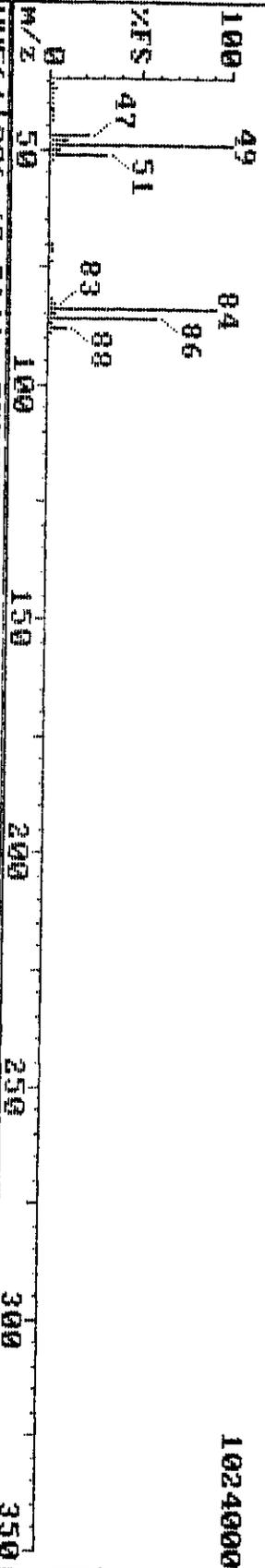
08-09-98 09:46

Triangle Laboratories, Inc. (919) 544-5729

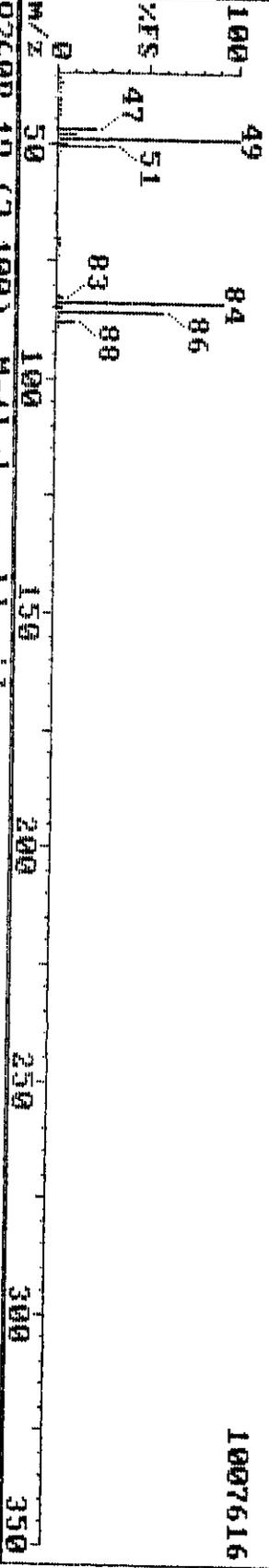
Sample: T-U-4-2-B T/C 214-27-21B TL1#A6323

Instrument H

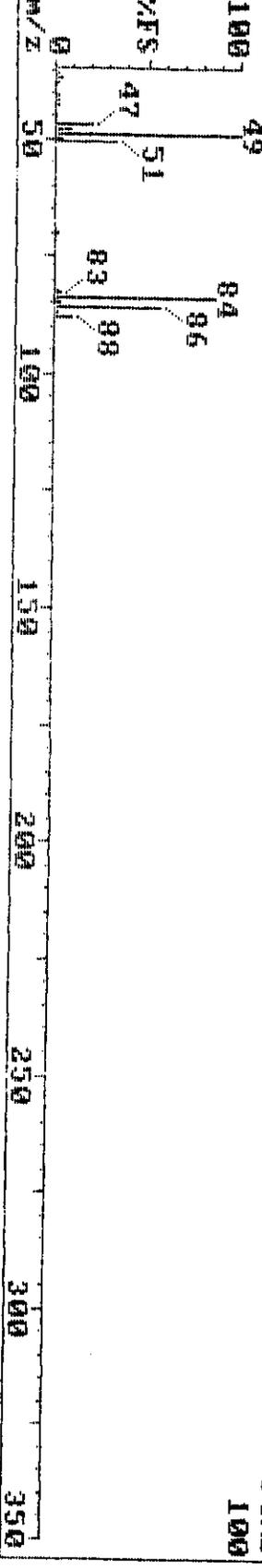
HW561 306 (3.060)



HW561 306 (3.061) REFINE



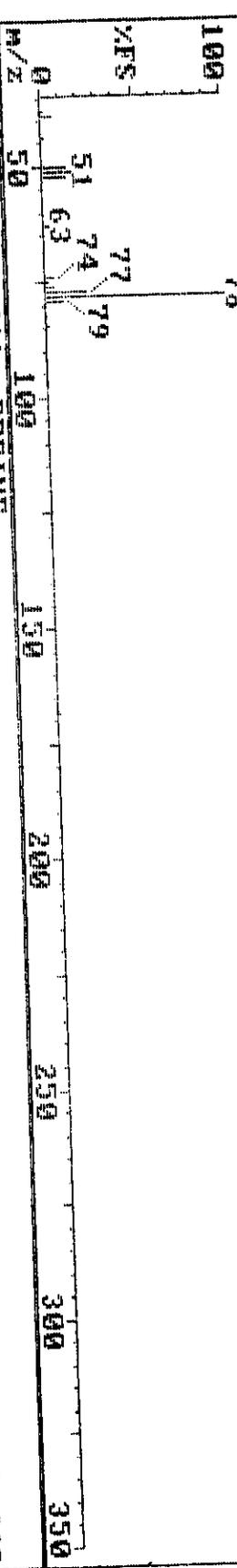
8260B 19 (3.100) Methylene chloride



08-09-98 09:46 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

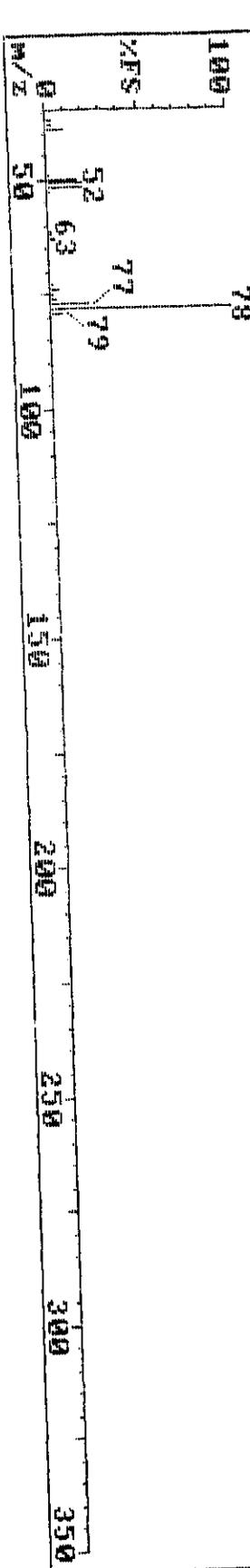
Sample: T-U-4-2-B T/C 214-27-21B TL1446323

HM561 523 (5.231) 24320



HM561 523 (5.231) REFINE 23040

02608 32 (5.291) Benzene



08-09-98 09:46

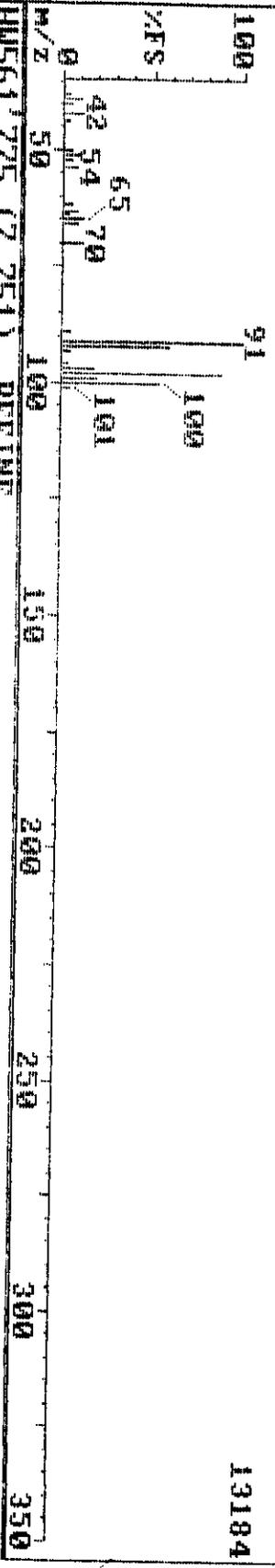
Triangle Laboratories, Inc.

(919) 544-5729

Sample: T-U-4-2-B T/C 214-27-21M TL1#46323

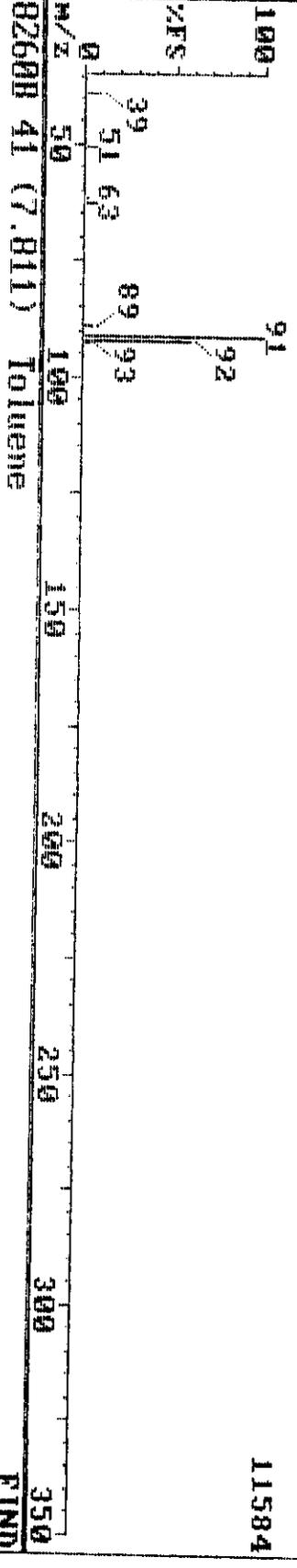
Instrument H

HW561 775 (7.751)



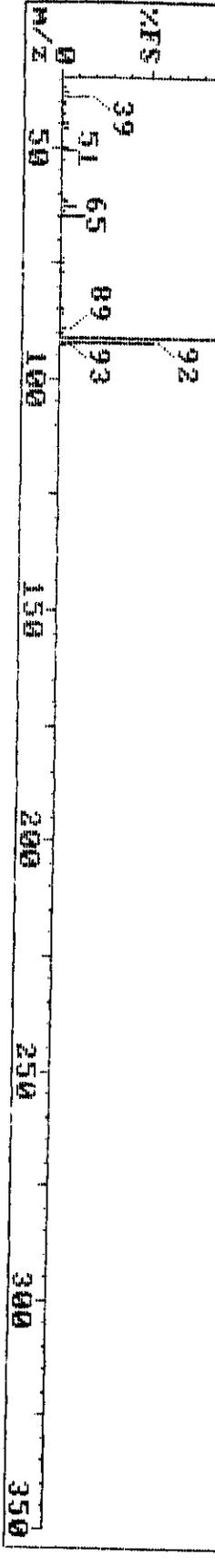
HW561 775 (7.751) REFINE

11584



02600B 41 (7.811) Toluene

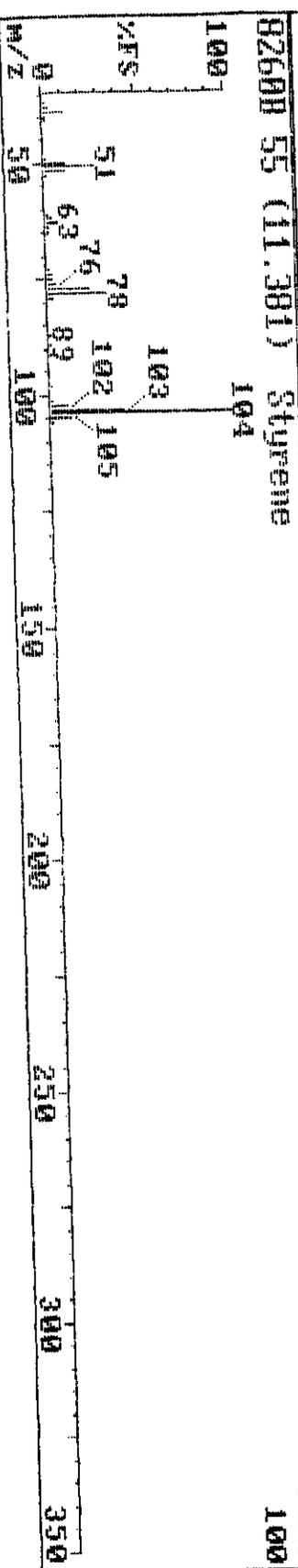
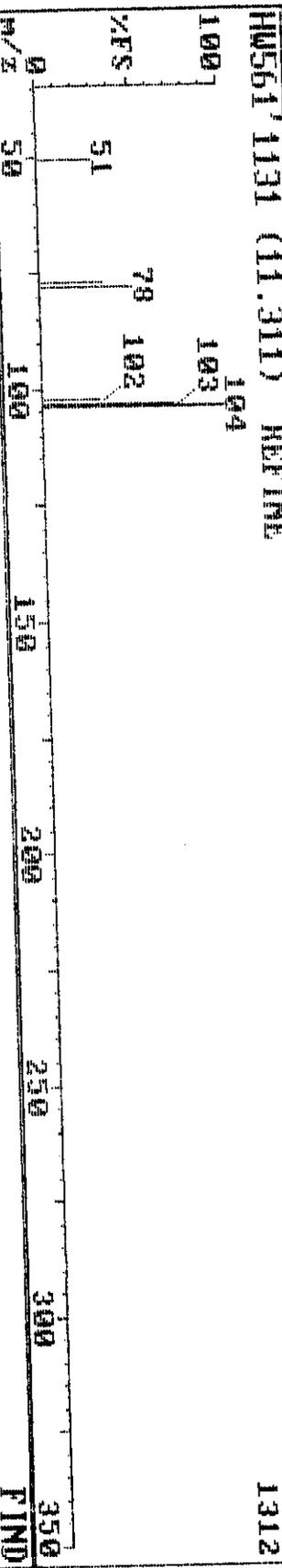
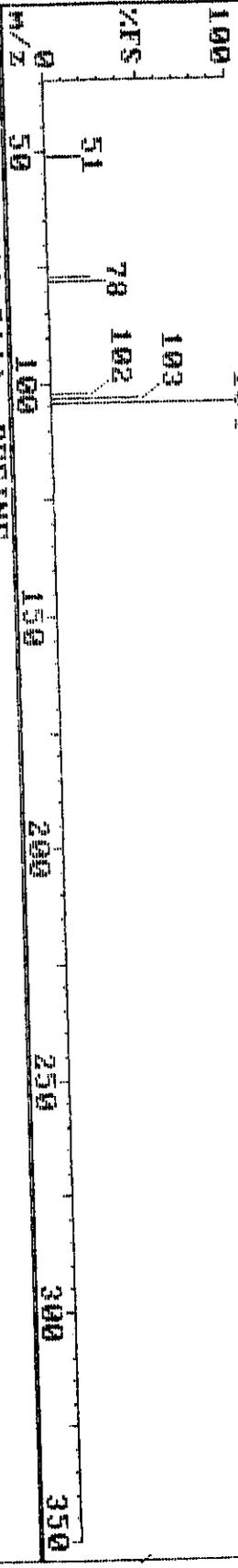
FIND 100



08-09-98 09:46 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: T-U-4-2-B T/C 244-27-21B TLH46323

HW561 1131 (11.311) 1936



08-09-98 09:46

Triangle Laboratories, Inc. (919) 544-5729

Sample: T-U-4-2-D T/C 214-27-21R TLM46323

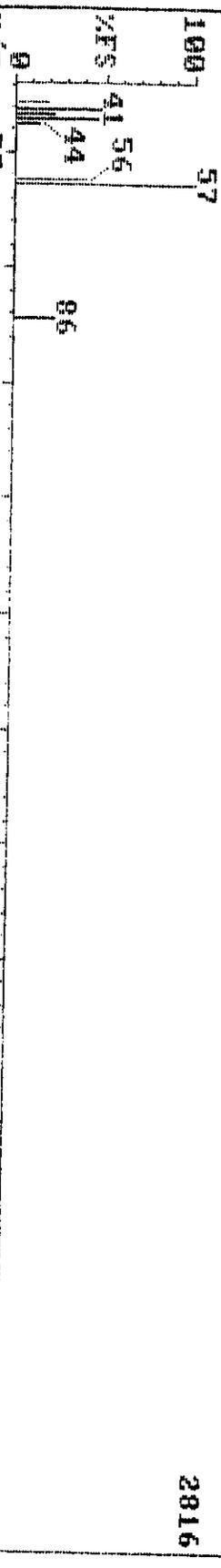
Instrument H

HM561 367 (3.670)



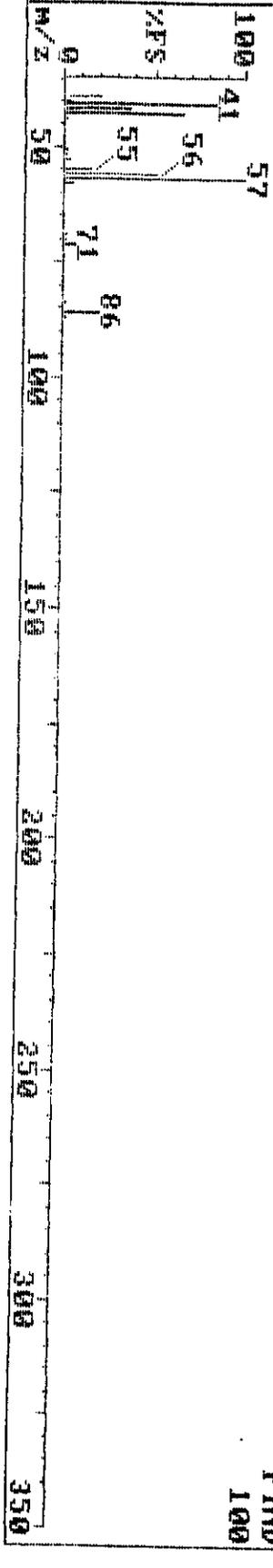
2816

HM561 367 (3.671) REFINE



2816

B26BX 11 (3.660) n-Hexane



FIND 100

Pacific Environmental Services

Project Number: 46323
Sample File: FX983

Method 8260 VOST
Sample ID: T-V-4-4-A T

Client Project: R012.001
TLI ID: 214-27-23A

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | | U | | 0.004 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.009 | J | 3.28 | | 0.05 |
| Acrylonitrile | | U | | 0.021 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.004 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.071 | | 5.52 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: FX983

Method 8260 VOST

Sample ID: T-V-4-4-A T

Client Project: R012.001

TLI ID: 214-27-23A

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.005 | 0.05 |
| Toluene | 0.158 | | 8.09 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.35 | | |
| Tetrachloroethene | 0.022 | J | 8.92 | | 0.05 |
| 2-Hexanone | | U | | 0.008 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | 0.022 | J | 10.67 | | 0.05 |
| m-/p-Xylene | 0.057 | J | 10.91 | | 0.10 |
| o-Xylene | 0.024 | J | 11.62 | | 0.05 |
| Styrene | 0.009 | J | 11.69 | | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.71 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.002 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 16:49 08/25/1998

484

231

Pacific Environmental Services

Project Number: 46323
Sample File: FX983

Method 8260 VOST
Sample ID: T-V-4-4-A T

Client Project: R012.001
TLI ID: 214-27-23A

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/24/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.208 | 5.18 | 1 | 83 |
| Toluene-d ₈ | 0.259 | 8.00 | 2 | 104 |
| 4-Bromofluorobenzene | 0.256 | 12.65 | 2 | 102 |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; j: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
 Sample File: FX983

Method 8260 VOST
 Sample ID: T-V-4-~~3~~-4A EMC

Client Project: R012.001
 TLI ID: 214-27-23A

Date Received: 07/29/98

Response File: ICALF824

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | 0.037 | J | 3.63 | | 0.25 |
| n-Hexane | 0.041 | J | 3.90 | | 0.25 |
| 1,2-Epoxybutane | | U | | 0.025 | 0.25 |
| Iso-Octane | 0.010 | J | 5.67 | | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Ethyl acrylate | | U | | 0.007 | 0.25 |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

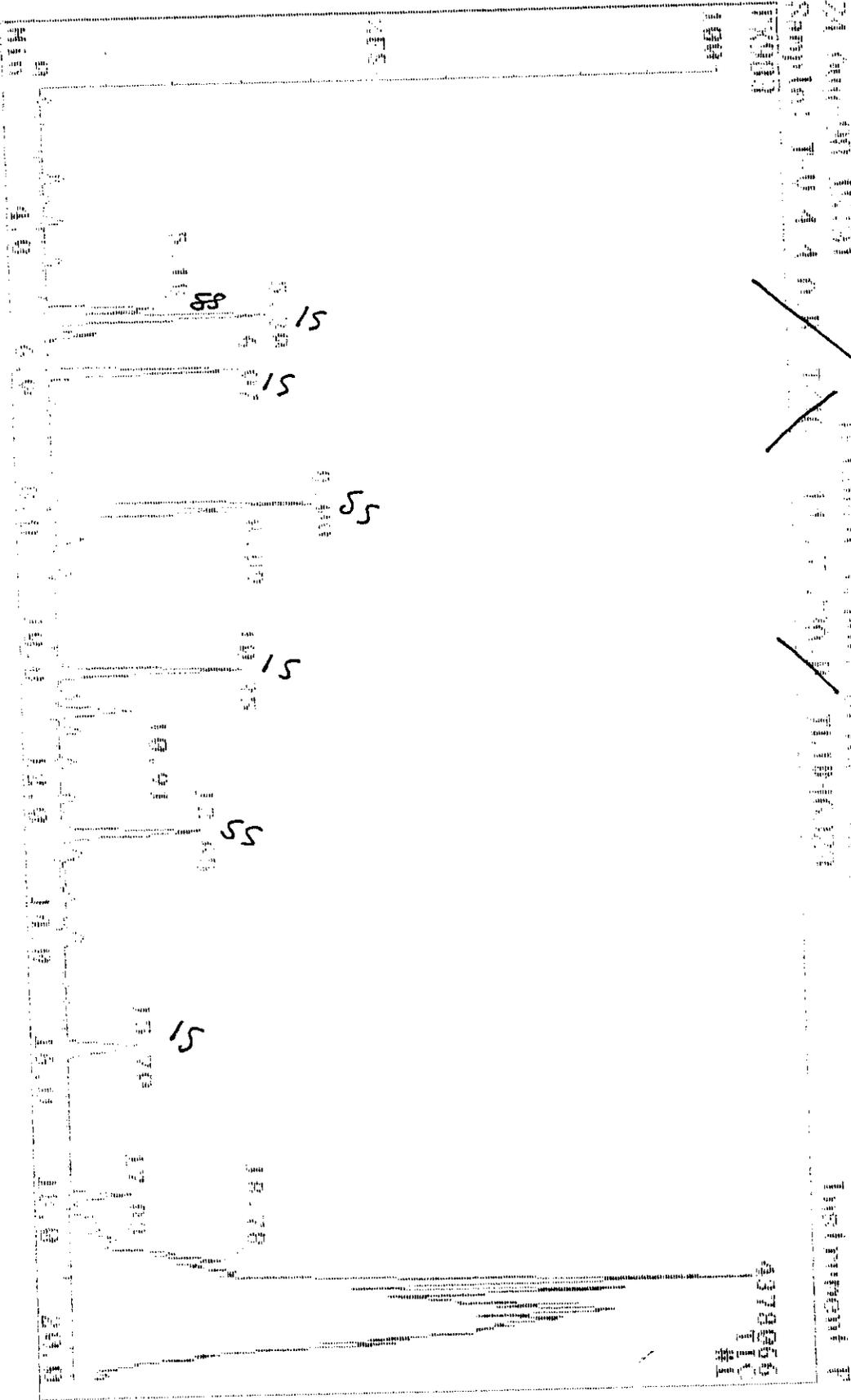
IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.
 801 Capitola Drive • Durham, North Carolina 27713
 Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7
 Printed: 17:27 08/25/1998

486

283



487

Data Review: PAB
Date: 8/24/98

| NO. | WAT | FORM | RTM | DEL | DATE | TIME | OFF | NAME |
|-----|-----|------|-----|-----|------------|-------|-------|----------------|
| 1 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 2 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 3 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 4 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 5 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 6 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 7 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 8 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 9 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 10 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 11 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 12 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 13 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 14 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 15 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 16 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 17 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 18 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 19 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 20 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 21 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 22 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 23 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 24 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 25 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 26 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 27 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 28 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 29 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 30 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 31 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 32 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 33 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 34 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 35 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
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| 38 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 39 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
| 40 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
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| 45 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
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| 47 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
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| 49 | 100 | 34 | 4 | 1 | 1997-10-01 | 08:00 | 0.000 | 1001-1001-0000 |
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PA B

39168 - PA B -> 3.28

PA B

Data Review: PA B
Date: 8/24/98

| NO. | DATE | FOR | RATE | DEBIT | AMOUNT | DESCRIPTION |
|-----|------|-----|------|-------|--------|-------------|
| 11 | 1 | 1 | 1 | 0 | | 11.690 |
| 12 | 04 | 70 | 70 | 11 | 11.690 | 11.690 |
| 13 | 100 | 25 | 25 | 11 | 11.690 | 11.690 |
| 14 | 10 | 5 | 5 | 0 | 11.690 | 11.690 |
| 15 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 16 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 17 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 18 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 19 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 20 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 21 | 11 | 4 | 74 | 2 | 11.690 | 11.690 |
| 22 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 23 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 24 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 25 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 26 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 27 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 28 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 29 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 30 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 31 | 1 | 1 | 1 | 0 | 11.690 | 11.690 |
| 32 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 33 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |
| 34 | 0 | 0 | 0 | 0 | 11.690 | 11.690 |

115136 - 20 Pairs

11.69

| Year | Month | Day | Time | Location | Activity | Remarks |
|------|-------|-----|-------|----------|----------|---------|
| 1954 | 10 | 25 | 10:00 | ... | ... | ... |
| 1954 | 10 | 26 | 10:00 | ... | ... | ... |
| 1954 | 10 | 27 | 10:00 | ... | ... | ... |
| 1954 | 10 | 28 | 10:00 | ... | ... | ... |
| 1954 | 10 | 29 | 10:00 | ... | ... | ... |
| 1954 | 10 | 30 | 10:00 | ... | ... | ... |
| 1954 | 10 | 31 | 10:00 | ... | ... | ... |
| 1954 | 11 | 1 | 10:00 | ... | ... | ... |
| 1954 | 11 | 2 | 10:00 | ... | ... | ... |
| 1954 | 11 | 3 | 10:00 | ... | ... | ... |
| 1954 | 11 | 4 | 10:00 | ... | ... | ... |
| 1954 | 11 | 5 | 10:00 | ... | ... | ... |
| 1954 | 11 | 6 | 10:00 | ... | ... | ... |
| 1954 | 11 | 7 | 10:00 | ... | ... | ... |
| 1954 | 11 | 8 | 10:00 | ... | ... | ... |
| 1954 | 11 | 9 | 10:00 | ... | ... | ... |
| 1954 | 11 | 10 | 10:00 | ... | ... | ... |
| 1954 | 11 | 11 | 10:00 | ... | ... | ... |
| 1954 | 11 | 12 | 10:00 | ... | ... | ... |
| 1954 | 11 | 13 | 10:00 | ... | ... | ... |
| 1954 | 11 | 14 | 10:00 | ... | ... | ... |
| 1954 | 11 | 15 | 10:00 | ... | ... | ... |
| 1954 | 11 | 16 | 10:00 | ... | ... | ... |
| 1954 | 11 | 17 | 10:00 | ... | ... | ... |
| 1954 | 11 | 18 | 10:00 | ... | ... | ... |
| 1954 | 11 | 19 | 10:00 | ... | ... | ... |
| 1954 | 11 | 20 | 10:00 | ... | ... | ... |
| 1954 | 11 | 21 | 10:00 | ... | ... | ... |
| 1954 | 11 | 22 | 10:00 | ... | ... | ... |
| 1954 | 11 | 23 | 10:00 | ... | ... | ... |
| 1954 | 11 | 24 | 10:00 | ... | ... | ... |
| 1954 | 11 | 25 | 10:00 | ... | ... | ... |
| 1954 | 11 | 26 | 10:00 | ... | ... | ... |
| 1954 | 11 | 27 | 10:00 | ... | ... | ... |
| 1954 | 11 | 28 | 10:00 | ... | ... | ... |
| 1954 | 11 | 29 | 10:00 | ... | ... | ... |
| 1954 | 11 | 30 | 10:00 | ... | ... | ... |
| 1954 | 12 | 1 | 10:00 | ... | ... | ... |
| 1954 | 12 | 2 | 10:00 | ... | ... | ... |
| 1954 | 12 | 3 | 10:00 | ... | ... | ... |
| 1954 | 12 | 4 | 10:00 | ... | ... | ... |
| 1954 | 12 | 5 | 10:00 | ... | ... | ... |
| 1954 | 12 | 6 | 10:00 | ... | ... | ... |
| 1954 | 12 | 7 | 10:00 | ... | ... | ... |
| 1954 | 12 | 8 | 10:00 | ... | ... | ... |
| 1954 | 12 | 9 | 10:00 | ... | ... | ... |
| 1954 | 12 | 10 | 10:00 | ... | ... | ... |
| 1954 | 12 | 11 | 10:00 | ... | ... | ... |
| 1954 | 12 | 12 | 10:00 | ... | ... | ... |
| 1954 | 12 | 13 | 10:00 | ... | ... | ... |
| 1954 | 12 | 14 | 10:00 | ... | ... | ... |
| 1954 | 12 | 15 | 10:00 | ... | ... | ... |
| 1954 | 12 | 16 | 10:00 | ... | ... | ... |
| 1954 | 12 | 17 | 10:00 | ... | ... | ... |
| 1954 | 12 | 18 | 10:00 | ... | ... | ... |
| 1954 | 12 | 19 | 10:00 | ... | ... | ... |
| 1954 | 12 | 20 | 10:00 | ... | ... | ... |
| 1954 | 12 | 21 | 10:00 | ... | ... | ... |
| 1954 | 12 | 22 | 10:00 | ... | ... | ... |
| 1954 | 12 | 23 | 10:00 | ... | ... | ... |
| 1954 | 12 | 24 | 10:00 | ... | ... | ... |
| 1954 | 12 | 25 | 10:00 | ... | ... | ... |
| 1954 | 12 | 26 | 10:00 | ... | ... | ... |
| 1954 | 12 | 27 | 10:00 | ... | ... | ... |
| 1954 | 12 | 28 | 10:00 | ... | ... | ... |
| 1954 | 12 | 29 | 10:00 | ... | ... | ... |
| 1954 | 12 | 30 | 10:00 | ... | ... | ... |
| 1954 | 12 | 31 | 10:00 | ... | ... | ... |

AP PAR
 SP PAR

24-Aug-98 15:31

Triangle Laboratories, Inc.

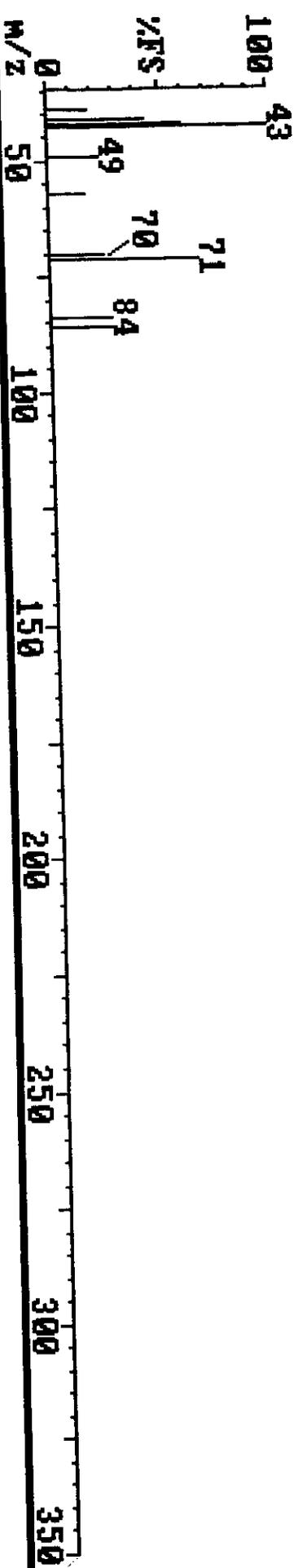
(919) 544-5729

Instrument F

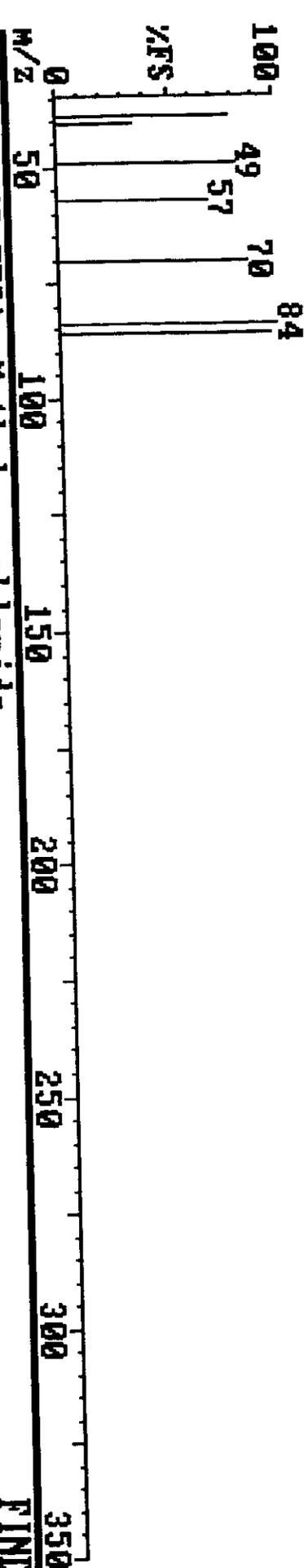
Sample: T-U-4-4-A,B T/MC 214-27-23A,B TL#46323

tenax only Date 8/25/98

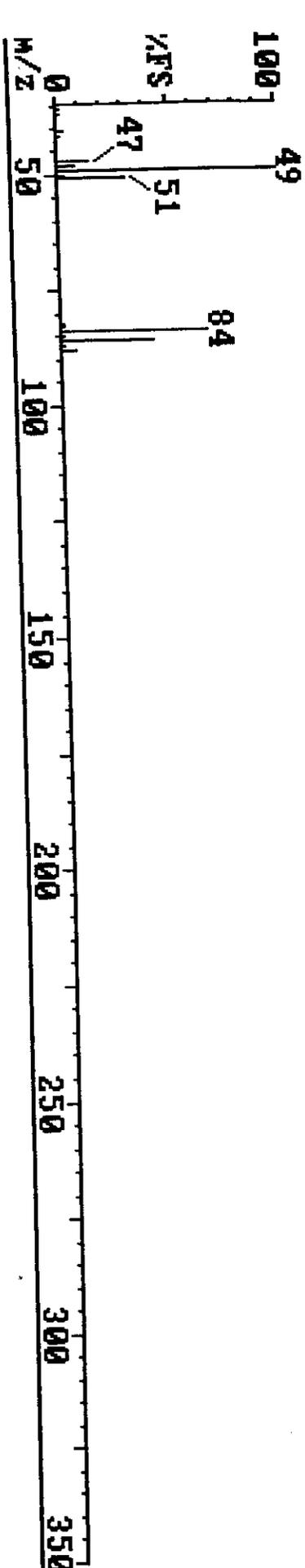
33280



FX983 328 (3.281) REFINE 9280



FIND 100



| Account | Balance | Debit | Credit | Balance |
|---------|---------|-------|--------|---------|
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| 1010 | 1000 | | | 1000 |
| 1020 | 1000 | | | 1000 |
| 1030 | 1000 | | | 1000 |
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tenant only Pass 8/25/98

| Account | Debit | Credit | Balance |
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| 2000 | | | 2500 |

tenant only PARB 8/25/98

Attachment 1

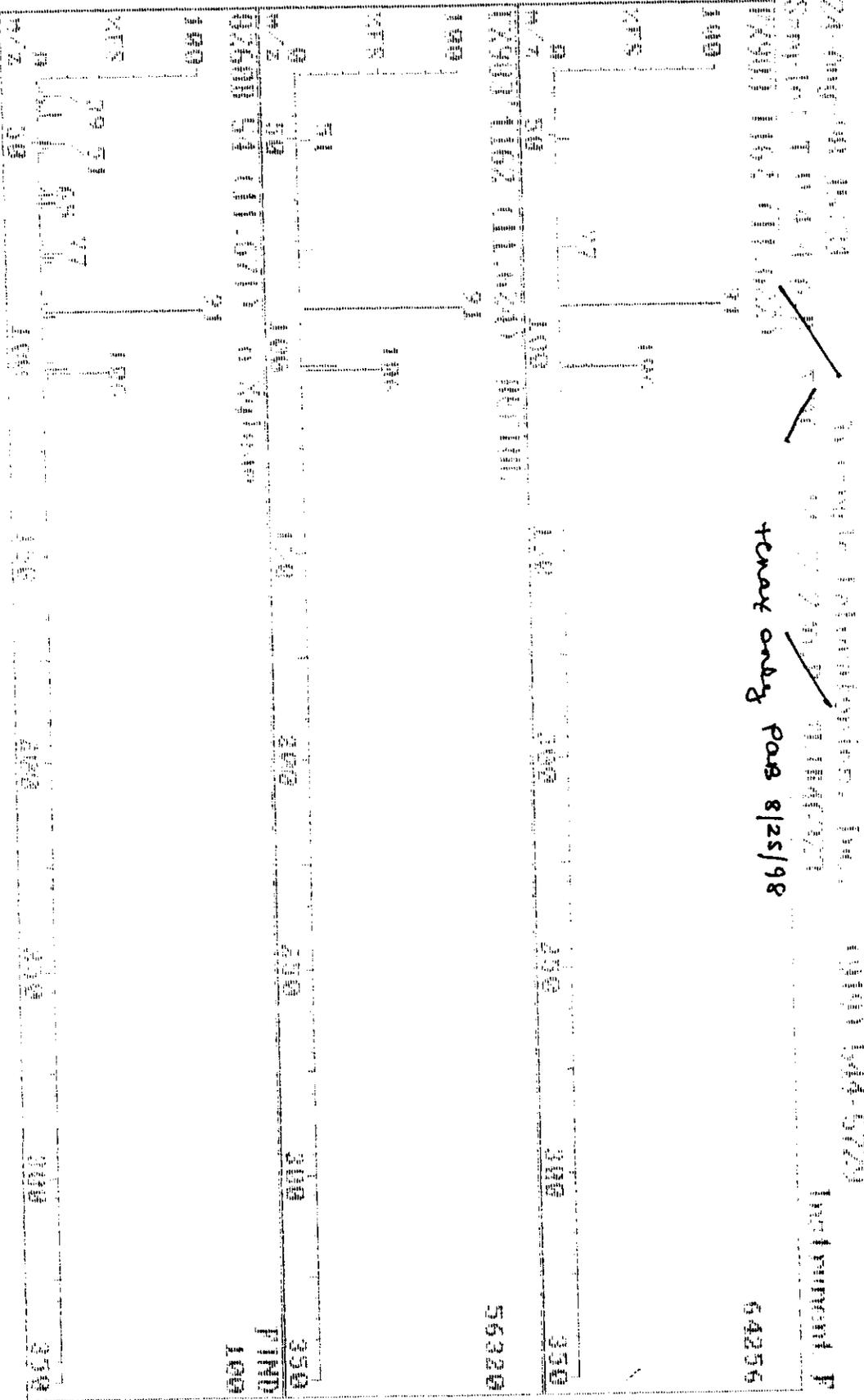
| Account | Balance | Debit | Credit | Balance |
|---------|---------|-------|--------|---------|
| 1000 | | | | 14992 |
| 1001 | | | | |
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tenant only PAR 8/25/98

| Account No. | Balance | Debit | Credit | Balance |
|-------------|---------|-------|--------|---------|
| 1000 | | | | 161792 |
| 1001 | | | | 161792 |
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| 1100 | | | | 161792 |

Interest only P&B 8/25/98

Interest only P&B



tenant only pass 8/25/98

24-Aug-98 15:31

Triangle Laboratories, Inc.

(919) 544-5729

Sample: T-U-4-4-A, B

~~TTC~~ 214-27-23A, B

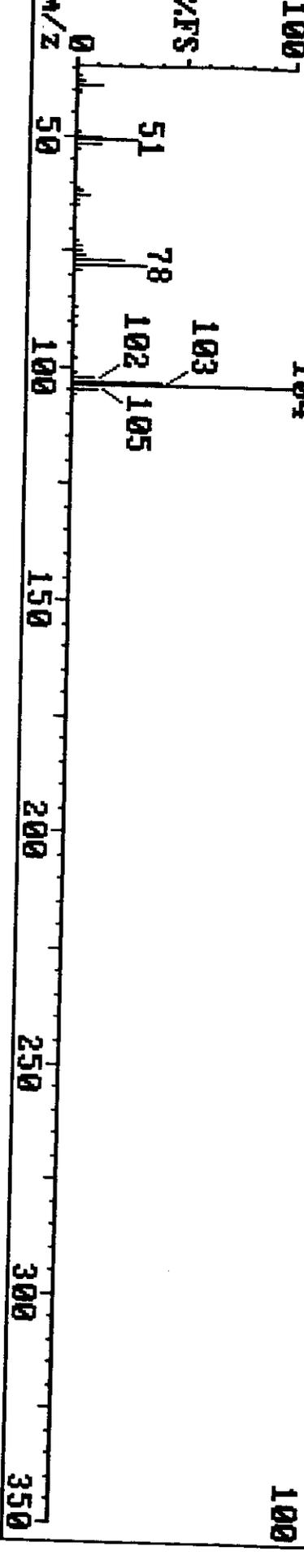
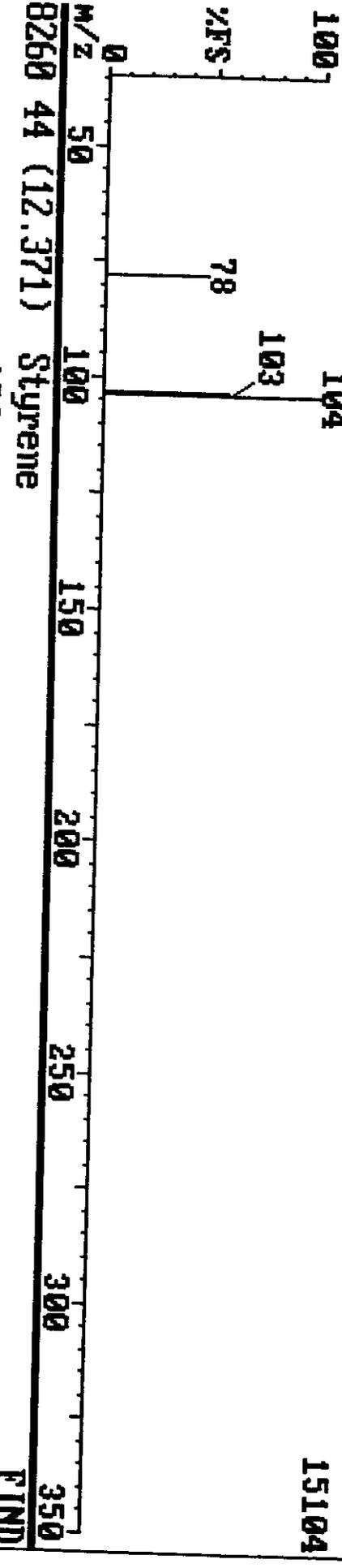
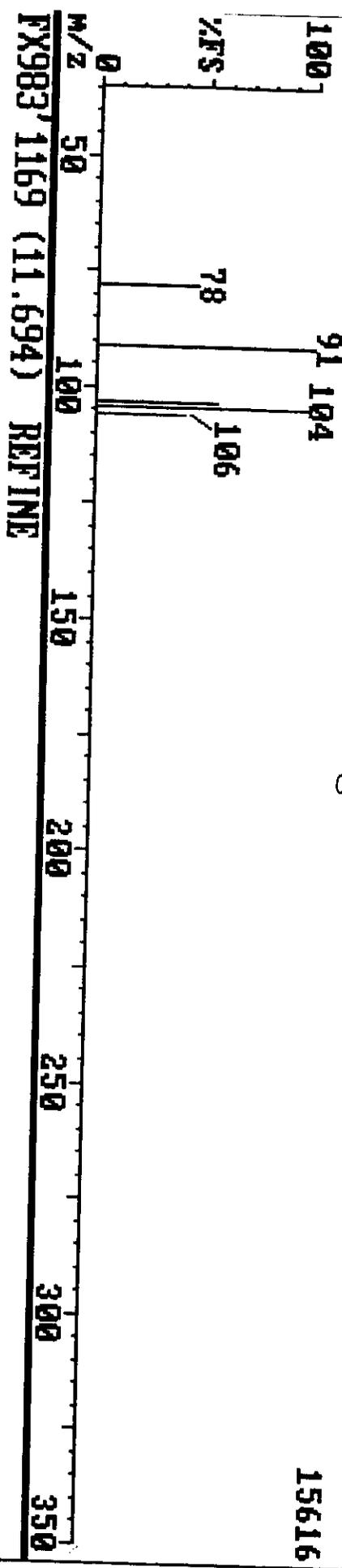
TL#46323

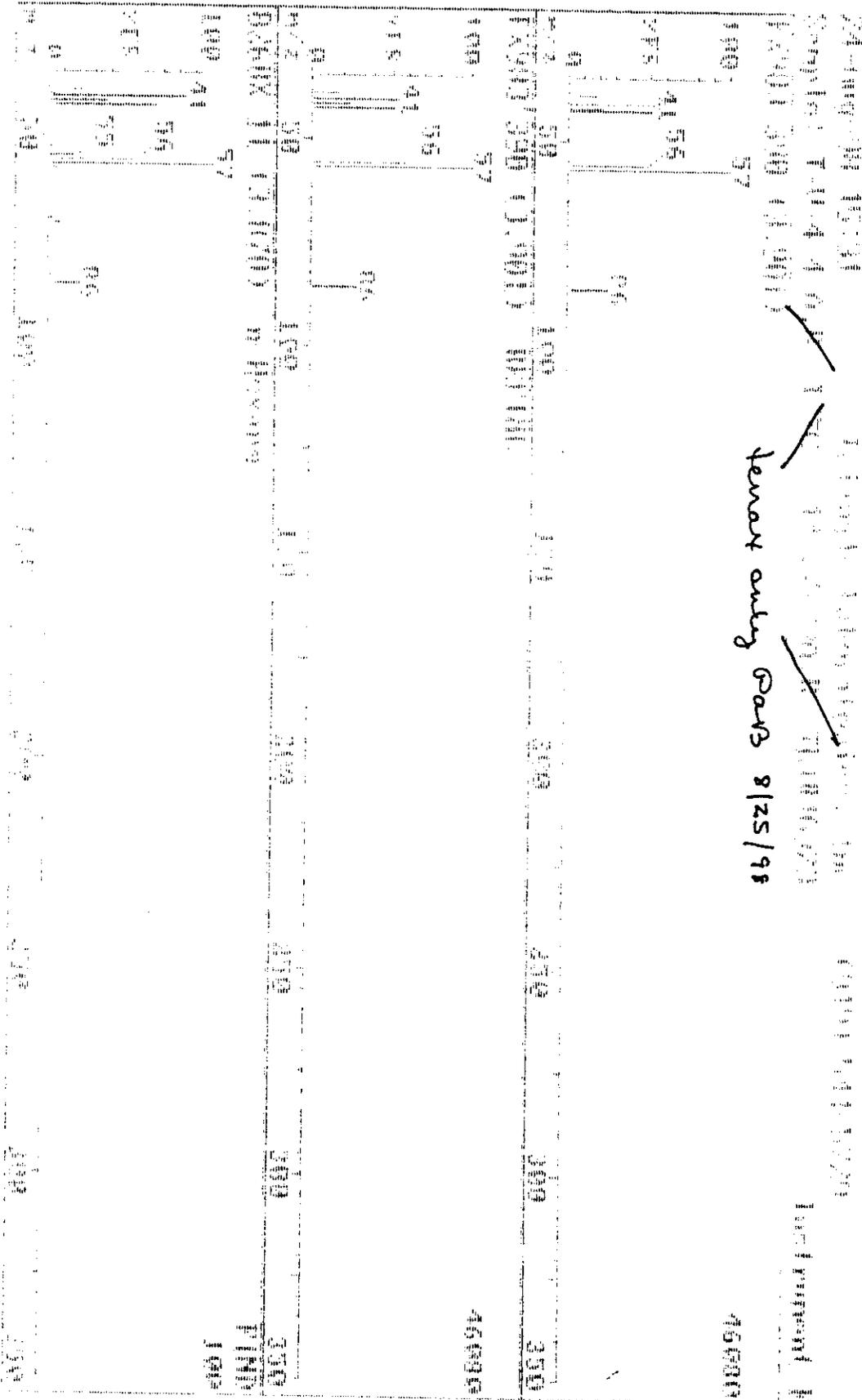
Instrument F

tenax only Pass 8/25/98

15616

15104





Tenant entry 0203 8/25/98

| Account | Debit | Credit | Balance |
|---------|-------|--------|--|
| 1000 | | | 2000 |
| 1010 | | | 1000 |
| 1020 | | | 500 |
| 1030 | | | 200 |
| 1040 | | | 100 |
| 1050 | | | 50 |
| 1060 | | | 25 |
| 1070 | | | 12.5 |
| 1080 | | | 6.25 |
| 1090 | | | 3.125 |
| 1100 | | | 1.5625 |
| 1110 | | | 0.78125 |
| 1120 | | | 0.390625 |
| 1130 | | | 0.1953125 |
| 1140 | | | 0.09765625 |
| 1150 | | | 0.048828125 |
| 1160 | | | 0.0244140625 |
| 1170 | | | 0.01220703125 |
| 1180 | | | 0.006103515625 |
| 1190 | | | 0.0030517578125 |
| 1200 | | | 0.00152587890625 |
| 1210 | | | 0.000762939453125 |
| 1220 | | | 0.0003814697265625 |
| 1230 | | | 0.00019073486328125 |
| 1240 | | | 0.000095367431640625 |
| 1250 | | | 0.0000476837158203125 |
| 1260 | | | 0.00002384185791015625 |
| 1270 | | | 0.000011920928955078125 |
| 1280 | | | 0.0000059604644775390625 |
| 1290 | | | 0.00000298023223876953125 |
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| 1310 | | | 0.0000007450580596923828125 |
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| 1370 | | | 0.0000000116415321826934814453125 |
| 1380 | | | 0.00000000582076609134674072265625 |
| 1390 | | | 0.000000002910383045673370361328125 |
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| 1480 | | | 0.000000000005684341886080301486968994140625 |
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| 1570 | | | 0.0000000000000111022302462505888417362916805703125 |
| 1580 | | | 0.00000000000000555111512312529442086814584028515625 |
| 1590 | | | 0.00000000000000277555756156264721043407292192678125 |
| 1600 | | | 0.000000000000001387778780781323605217036460963390625 |
| 1610 | | | 0.0000000000000006938893903906618026085182304816953125 |
| 1620 | | | 0.000000000000000346944695195330901304259115240765625 |
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| 1650 | | | 0.000000000000000043368086899416362663032389405095703125 |
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| 1690 | | | 0.00000000000000000271050543121352266643949933781845703125 |
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Pacific Environmental Services

Project Number: 46323
Sample File: FX953

Method 8260 VOST
Sample ID: T-V-FB-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-9A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed : 08/21/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | | U | | 0.005 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.054 | | 3.27 | | 0.05 |
| Acrylonitrile | | U | | 0.025 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.005 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.006 | BJ | 5.52 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

801 Capitola Drive • Durham, North Carolina 27713

Phone: (919) 544-5729 • Fax: (919) 544-5491

Savar v3.7

Printed: 16:48 08/25/1998

502

293

Pacific Environmental Services

Project Number: 46323
Sample File: FX953

Method 8260 VOST
Sample ID: T-V-FB-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-9A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed: 08/21/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.004 | 0.05 |
| Toluene | 0.006 | J | 8.08 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₄ | | IS 3 | 10.36 | | 0.05 |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.008 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.10 |
| m-/p-Xylene | | U | | 0.001 | 0.05 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.74 | | 0.05 |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit
IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
Sample File: FX953

Method 8260 VOST
Sample ID: T-V-FB-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-9A,B

Date Received: 07/29/98

Response File: ICALF821

Date Analyzed: 08/21/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.293 | 5.18 | 1 | 117 |
| Toluene-d ₈ | 0.263 | 8.00 | 2 | 105 |
| 4-Bromofluorobenzene | 0.238 | 12.66 | 2 | 95 |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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CTH

Pacific Environmental Services

Project Number: 46323
Sample File: FX953

Method 8260 VOST
Sample ID: T-V-FB-A,B T/TC

Client Project: R012.001
TLI ID: 214-27-9A,B

Date Received: 07/29/98

Response File: ICALF821

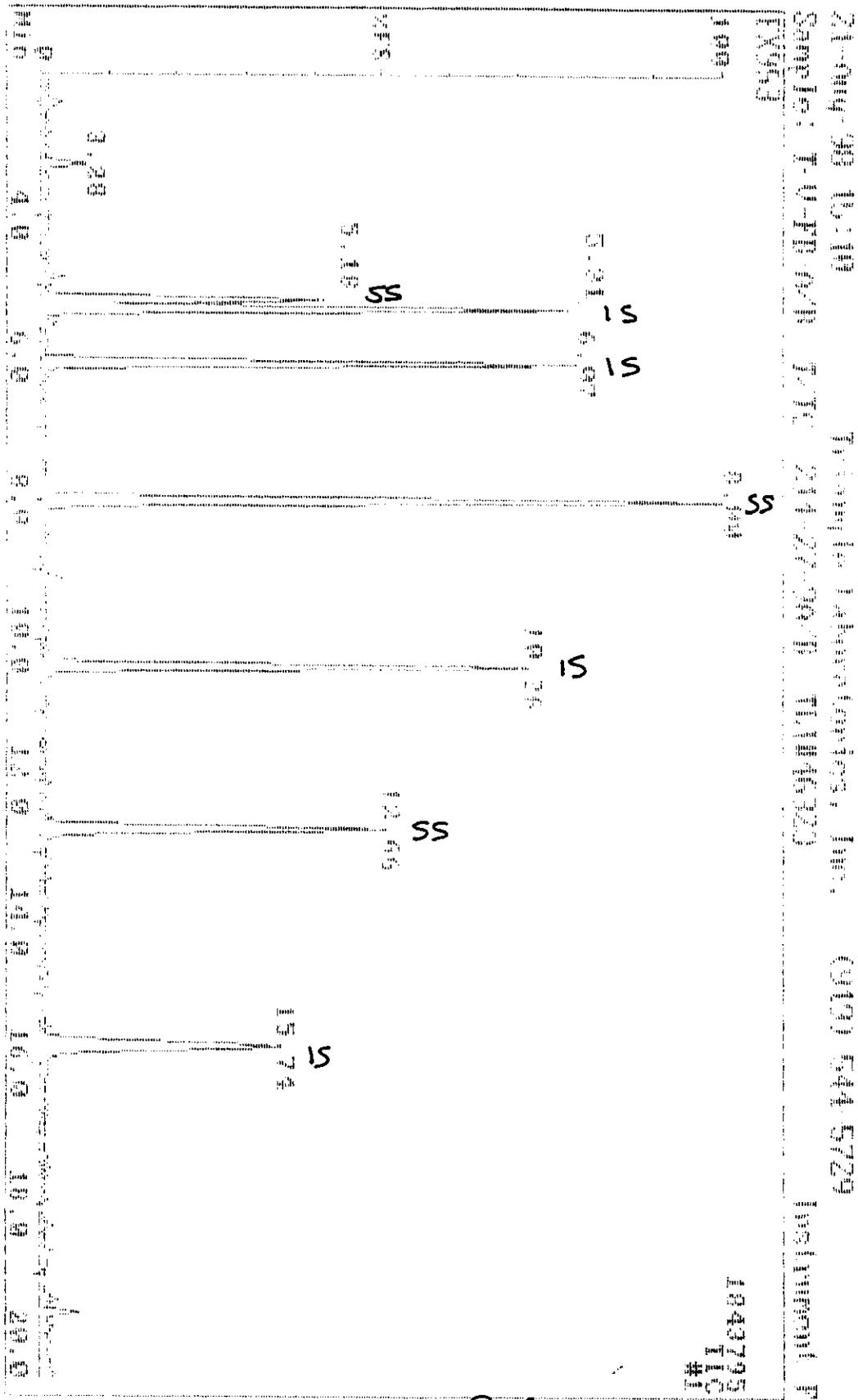
Date Analyzed : 08/21/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.30 | | 0.25 |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | | U | | 0.025 | 0.25 |
| 1,2-Epoxybutane | | U | | 0.001 | 0.25 |
| Iso-Octane | | U | | | |
| 1,4-Difluorobenzene | | IS 2 | 6.07 | | 0.25 |
| Ethyl acrylate | | U | | 0.004 | |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range



Data Review: *PAB*
 Date: 8/24/98

| No. | MAT | FOR | REV | Dist | Ampl | Flags | RT | QM | Name |
|-----|-----|-----|-----|------|---------|-------|--------|-----|---------------------------|
| 1 | 100 | 85 | 99 | -1 | 3726528 | bv | 5.301 | 108 | Pentaffluorobenzene |
| 2 | 100 | 97 | 99 | 0 | 4217324 | bv | 1.071 | 119 | 1,1-Difluoroethane |
| 3 | 100 | 90 | 99 | 0 | 5387674 | bv | 10.301 | 137 | Chloroacetylene |
| 4 | 100 | 93 | 99 | 0 | 1243772 | bv | 15.142 | 152 | 1,4-Dichlorobenzene |
| 5 | 100 | 92 | 99 | 1 | 1563640 | bv | 5.151 | 157 | Difluoroethane |
| 6 | 100 | 93 | 97 | 0 | 1131630 | bv | 3.001 | 28 | Toluene |
| 7 | 100 | 91 | 94 | 2 | 1122174 | bv | 12.042 | 35 | o-Dichlorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 36 | p-Dichlorobenzene |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 38 | Chloroacetylene |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 39 | vinyl chloride |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0.001 | 24 | o-Dichlorobenzene |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 24 | p-Dichlorobenzene |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 24 | 1,2-Dichloroethane |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 26 | 1,1-Dichloroethane |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 142 | 1,2-Dichloroethane |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 143 | 1,1-Dichloroethane |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0.001 | 41 | o-Dichlorobenzene |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0.001 | 41 | p-Dichlorobenzene |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0.001 | 41 | 1,2-Dichloroethane |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0.001 | 41 | 1,1-Dichloroethane |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 41 | 1,2-Dichloroethane |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 41 | 1,1-Dichloroethane |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 41 | 1,2-Dichloroethane |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 41 | 1,1-Dichloroethane |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 41 | 1,2-Dichloroethane |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 41 | 1,1-Dichloroethane |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 123 | o-Dichlorobenzene |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 27 | 1,1-Dichloroethane |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 117 | o-Dichlorobenzene |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 25 | 1,1-Dichloroethane |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 28 | o-Dichlorobenzene |
| 32 | 96 | 87 | 99 | 0 | 115400 | db | 2.101 | 92 | 1,1-Dichloroethane |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 100 | p-Dichlorobenzene |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 83 | 1,2-Dichloroethane |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 93 | o-Dichlorobenzene |
| 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 41 | o-Dichlorobenzene |
| 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 33 | o-Dichlorobenzene |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 18 | 1,1-Dichloroethane |
| 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 42 | 4-Methyl-2-pentene |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 92 | o-Dichlorobenzene |
| 41 | 81 | 50 | 75 | 2 | 33894 | A | 8.001 | 78 | 1,1-Dichloroethane |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 97 | 1,1,2,2-Tetrachloroethane |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 69 | 3-Methylacrylate |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 154 | 1,2-Dichloroethane |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 75 | 1,3-Dichlorobenzene |
| 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 45 | 2-Pentene |
| 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 129 | o-Dichlorobenzene |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 107 | 1,2-Dichloroethane |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | 112 | Chlorobenzene |

PAR

PAR

Data Review: PAR
Date: 8/24/98

| No | HT | FOR | NEV | Del La | Product | Flags | RT | QM | Name |
|----|----|-----|-----|--------|---------|-------|--------|-----|---------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 101 | 1,1,1-Trichloroethane |
| 52 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 100 | p-Tolylbenzene |
| 53 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Tolylene |
| 54 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | o-Tolylene |
| 55 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 104 | Xylene |
| 56 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 171 | Bromobenzene |
| 57 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Gasoline |
| 58 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 83 | 1,1,2,2-Tetrachloroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 156 | Bromobenzene |
| 60 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,2-Dichloroethane |
| 61 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 110 | m-Propylbenzene |
| 62 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 75 | 1,1,1-Trichloroethane |
| 63 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | o-Tolylene |
| 64 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Tolylene |
| 65 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Gasoline |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Gasoline |
| 67 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 105 | Gasoline |
| 68 | 54 | 11 | 54 | 0 | 54% | HS | 10.000 | 107 | o-Tolylene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 | Gasoline |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Tolylene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Tolylene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Tolylene |
| 73 | 22 | 11 | 22 | 0 | 22% | HS | 10.000 | 106 | m/p-Tolylene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Tolylene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Tolylene |
| 76 | 20 | 50 | 20 | 0 | 60% | HS | 10.000 | 106 | m/p-Tolylene |
| 77 | 91 | 50 | 91 | 0 | 70% | HS | 10.000 | 106 | m/p-Tolylene |
| 78 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | m/p-Tolylene |
| 79 | 61 | 41 | 62 | 0 | 100% | HS | 10.000 | 106 | m/p-Tolylene |

| No | HAZ | ROR | REV | Del | Ac | PLF | Flags | RT | Chem name |
|----|-----|-----|-----|-----|---------|-----|-------|--------|----------------------------|
| 1 | 100 | 95 | 99 | 1 | 3396198 | lv | | 5.301 | 104 Pentafluorobenzene |
| 2 | 100 | 97 | 99 | 0 | 4217424 | lv | | 6.071 | 114 1,4-difluorobenzene |
| 3 | 100 | 95 | 95 | 0 | 1007424 | lv | | 10.561 | 117 Chlorobenzene-d5 |
| 4 | 100 | 93 | 98 | 0 | 1243792 | lv | | 15.742 | 152 1,4-dichlorobenzene-d4 |
| 5 | 100 | 97 | 99 | 0 | 1563640 | lv | | 5.181 | 115 Dibromofluoromethane |
| 6 | 100 | 95 | 97 | 0 | 5131680 | lv | | 8.001 | 98 Toluene-d8 |
| 7 | 100 | 91 | 94 | 0 | 1592176 | lv | | 12.661 | 95 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 109 1,3-dichloro- |
| 9 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 106 Vinyl bromide |
| 10 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 73 MTBE |
| 11 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 57 methylene |
| 12 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 49 1,1,1-trichloroethane |
| 13 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 51 1,1,1-trichloro- |
| 14 | 0 | 0 | 0 | 0 | 0 | | | 0.000 | 55 Ethyl acetate |

70 PLB
 70 PLB
 70 PLB

Pacific Environmental Services

Project Number: 46323
 Sample File: HW559

Method 8260 VOST
 Sample ID: VOSTBLK 080998 T/TC

Client Project: R012.001
 TLI ID: VOSTBLK080998

Date Received: / /

Response File: ICALH809

Date Analyzed : 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.04 | | |
| Chloromethane | 0.015 | J | 0.97 | | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | 0.010 | J | 1.47 | | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | | U | | 0.004 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | 0.001 | J | 3.06 | | 0.05 |
| Acrylonitrile | | U | | 0.006 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.003 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 5.76 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | 0.048 | J | 5.24 | | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit
 IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
 Sample File: HW559

Method 8260 VOST
 Sample ID: VOSTBLK 080998 T/TC

Client Project: R012.001
 TLI ID: VOSTBLK080998

Date Received: / /
 Date Analyzed : 08/09/98

Response File: ICALH809

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.002 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.001 | 0.05 |
| Toluene | 0.003 | J | 7.75 | | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₃ | | IS 3 | 9.97 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.002 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | 0.001 | J | 11.32 | | 0.05 |
| Bromoform | | U | | 0.001 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.09 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323
Sample File: HW559

Method 8260 VOST
Sample ID: VOSTBLK 080998 T/TC

Client Project: R012.001
TLI ID: VOSTBLK080998

Date Received: / /

Response File: ICALH809

Date Analyzed: 08/09/98

| Surrogate Summary | Amount (ng) | RT | IS Ref | %REC |
|------------------------|-------------|-------|--------|------|
| Dibromofluoromethane | 0.247 | 4.92 | 1 | 99 |
| Toluene-d ₃ | 0.259 | 7.65 | 2 | 104 |
| 4-Bromofluorobenzene | 0.273 | 12.25 | 2 | 109 |

Reviewed by PAB Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit
IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 16:11 08/10/1998

576

312

Pacific Environmental Services

Project Number: 46323
Sample File: HW559

Method 8260 VOST
Sample ID: VOSTBLK 080998 T/TC

Client Project: R012.001
FLI ID: VOSTBLK080998

Date Received: / /

Response File: ICALH809

Date Analyzed : 08/09/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.04 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.002 | 0.25 |
| n-Hexane | | U | | 0.001 | 0.25 |
| 1,2-Epoxybutane | | U | | 0.041 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 5.76 | | |
| Ethyl acrylate | | U | | 0.001 | 0.25 |

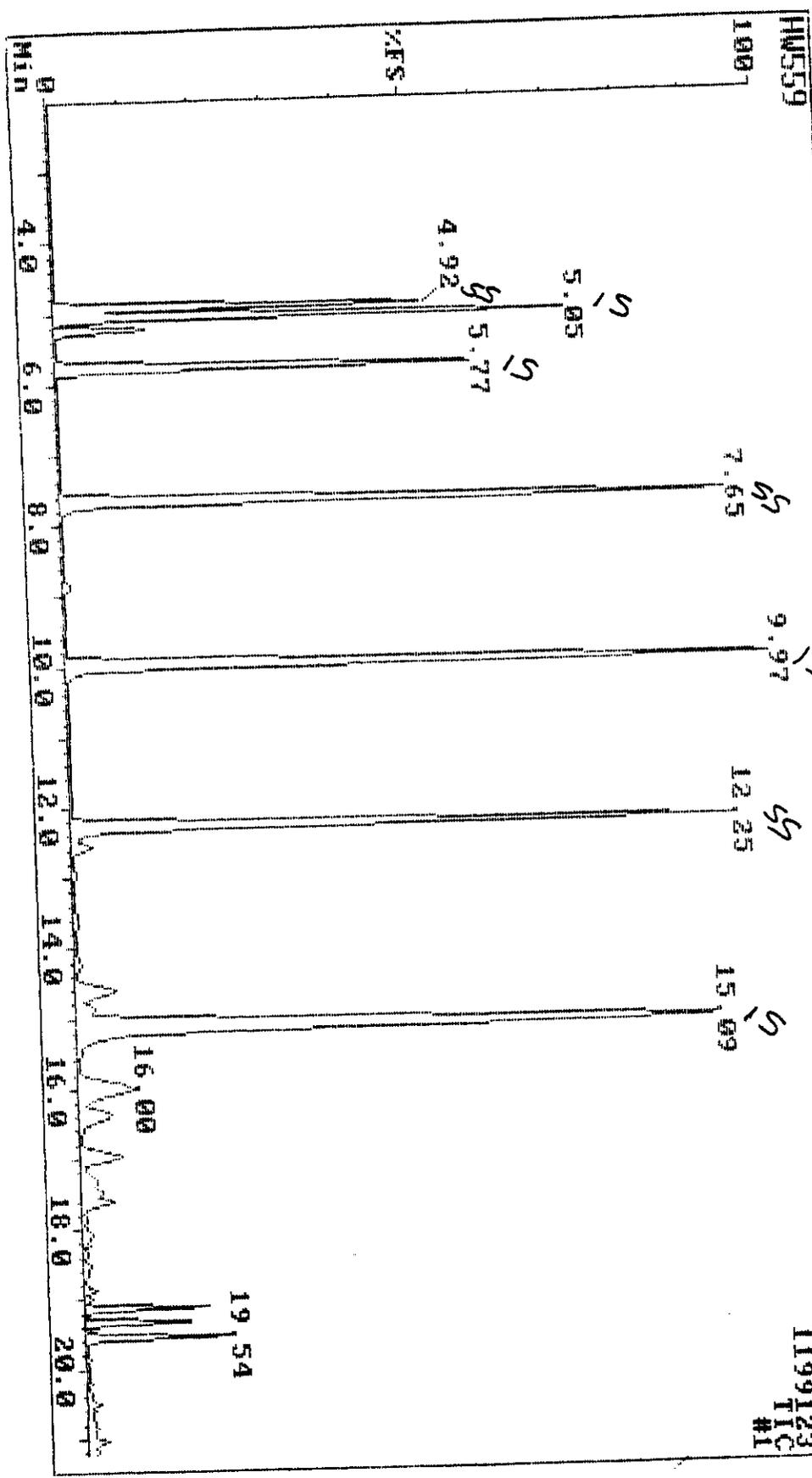
Reviewed by PAB Date 8/10/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

08-09-98 08:28 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: UOSTBLK T/TIC



HMS59

1199123
TIC
#1

Data Review: Qa B
Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|------|---------------|---------------|---------------|--------------|------------------|---------------|-----------------|-----|---------------------------|
| 1 | 100 | 86 | 98 | -5 | 2448904 | bv | 5.04 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 98 | -1 | 2301120 | bv | 5.76 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 94 | 95 | 5 | 3459840 | bv | 9.97 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 73 | 98 | -6 | 2223264 | bv | 15.09 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 98 | 100 | 1 | 1291580 | bb | 4.92 | 113 | Dibromofluoromethane |
| 6 | 100 | 93 | 98 | 2 | 3344656 | bv | 7.65 | 98 | Toluene-d8 |
| 7 | 97 | 89 | 92 | 6 | 1884336 | bv | 12.25 | 95 | 4-Bromofluorobenzene |
| x 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 85 | Dichlorodifluoromethane |
| ✓ 9 | 100 | 83 | 89 | -1 | 57172 | bb | 0.97 | 50 | Chloromethane |
| ✓ 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 | Vinyl Chloride |
| ✓ 11 | 100 | 86 | 94 | -1 | 41628 | bb | 1.47 | 94 | Bromomethane |
| ✓ 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 64 | Chloroethane |
| ✓ 13 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 101 | Trichlorofluoromethane |
| ✓ 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 | 1,1-Dichloroethene |
| ✓ 15 | 64 | 47 | 60 | 2 | 6668 | bb | 2.59 | 142 | Iodomethane - |
| ✓ 16 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 | Carbon disulfide - |
| ✓ 17 | 59 | 32 | 33 | 3 | 3524 | bb | 2.74 | 43 | Acetone - |
| ✓ 18 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 | Allyl chloride - |
| ✓ 19 | 73 | 49 | 71 | -1 | 3620 | bb | 3.06 | 84 | Methylene chloride |
| ✓ 20 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 53 | Acrylonitrile - |
| ✓ 21 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 | trans-1,2-Dichloroethene |
| ✓ 22 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 | 1,1-Dichloroethane |
| ✓ 23 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 43 | Vinyl acetate - |
| x 24 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 77 | 2,2-Dichloropropane |
| ✓ 25 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 96 | cis-1,2-Dichloroethene |
| ✓ 26 | 52 | 45 | 45 | 3 | 1483 | bb | 4.55 | 43 | 2-Butanone - |
| ✓ 27 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 | Chloroform |
| x 28 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 128 | Bromochloromethane |
| ✓ 29 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 | 1,1,1-Trichloroethane |
| ✓ 30 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 117 | Carbon tetrachloride |
| x 31 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 | 1,1-Dichloropropene |
| ✓ 32 | 100 | 98 | 98 | 1 | 522048 | bb | 5.24 | 78 | Benzene |
| ✓ 33 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 62 | 1,2-Dichloroethane |
| ✓ 34 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 130 | Trichloroethene |
| ✓ 35 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 63 | 1,2-Dichloropropane |
| x 36 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 93 | Dibromomethane |
| ✓ 37 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 41 | Methyl methacrylate - |
| ✓ 38 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 | Bromodichloromethane |
| ✓ 39 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 | cis-1,3-Dichloropropene |
| ✓ 40 | 40 | 3 | 62 | 4 | 16048 | bb | 7.56 | 43 | 4-Methyl-2-pentanone - |
| ✓ 41 | 63 | 32 | 79 | 3 | 30300 | bb | 7.75 | 92 | Toluene |
| ✓ 42 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 | trans-1,3-Dichloropropene |
| ✓ 43 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 97 | 1,1,2-Trichloroethane |
| x 44 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 69 | Ethyl methacrylate |
| ✓ 45 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 164 | Tetrachloroethene |
| x 46 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 76 | 1,3-Dichloropropane |
| ✓ 47 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 43 | 2-Hexanone |
| ✓ 48 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 129 | Dibromochloromethane |
| ✓ 49 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 107 | 1,2-Dibromoethane |
| ✓ 50 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 112 | Chlorobenzene |

Data Review: JAB
Date: 8/10/98

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM Name |
|-----|---------------|---------------|---------------|--------------|-----------------|---------------|------------------|------------------------------|
| X51 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 131 1,1,1,2-Tetrachloroethan |
| ✓52 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 Ethylbenzene |
| ✓53 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 m-/p-Xylene |
| ✓54 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 o-Xylene |
| ✓55 | 62 | 52 | 52 | 2 | 9172 | A | 11.32 | 104 Styrene |
| ✓56 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 173 Bromoform |
| ✓57 | 47 | 44 | 44 | 6 | 864 | bb | 12.03 | 105 Cumene |
| ✓58 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 83 1,1,2,2-Tetrachloroethan |
| X59 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 156 Bromobenzene |
| X60 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2,3-Trichloropropane |
| X61 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 120 n-Propylbenzene |
| X62 | 12 | 12 | 12 | 4 | 816 | bb | 12.69 | 75 trans-1,4-Dichloro-2-but |
| X63 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 126 2-Chlorotoluene |
| X64 | 45 | 30 | 34 | 8 | 1230 | bb | 13.21 | 126 4-Chlorotoluene |
| X65 | 65 | 57 | 57 | 4 | 5100 | A | 13.32 | 105 1,3,5-Trimethylbenzene |
| 66 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 tert-Butylbenzene |
| 67 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 105 1,2,4-trimethylbenzene |
| 68 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 105 sec-Butylbenzene |
| 69 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 119 p-Cymene |
| 70 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,3-Dichlorobenzene |
| 71 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,4-Dichlorobenzene |
| 72 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 Benzyl chloride |
| 73 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 91 n-Butylbenzene |
| 74 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 146 1,2-Dichlorobenzene |
| 75 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 75 1,2-Dibromo-3-chloroprop |
| X76 | 81 | 95 | 98 | 14 | 193798 | bv | 19.12 | 180 1,2,4-Trichlorobenzene |
| X77 | 44 | 21 | 91 | 16 | 26148 | bb | 19.34 | 225 Hexachlorobutadiene |
| X78 | 67 | 84 | 88 | 15 | 339164 | bv | 19.32 | 128 Naphthalene |
| X79 | 75 | 95 | 98 | 16 | 197024 | bv | 19.54 | 180 1,2,3-Trichlorobenzene |

| No. | MAT | FOR | REV | Delta | Area | P.Flags | RT | QM | Name |
|-----|---------------|---------------|---------------|-------|-----------------|---------------|-----------------|-----|------------------------|
| 1 | 100 | 86 | 98 | 0 | 2448904 | bv | 5.04 | 168 | Pentafluorobenzene |
| 2 | 100 | 97 | 98 | 0 | 2301120 | bv | 5.76 | 114 | 1,4-Difluorobenzene |
| 3 | 100 | 94 | 95 | 3 | 3459840 | bv | 9.97 | 117 | Chlorobenzene-d5 |
| 4 | 100 | 73 | 98 | 2 | 2223264 | bv | 15.09 | 152 | 1,4-Dichlorobenzene-d4 |
| 5 | 100 | 98 | 100 | 2 | 1291580 | bb | 4.92 | 113 | Dibromofluoromethane |
| 6 | 100 | 93 | 98 | 1 | 3344656 | bv | 7.65 | 98 | Toluene-d8 |
| 7 | 100 | 89 | 92 | 4 | 1884336 | bv | 12.25 | 95 | 4-Bromofluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 39 | 1,3-Butadiene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 106 | Vinyl bromide |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 73 | MTBE |
| 11 | 89 | 71 | 71 | 1 | 3568 | bv | 3.67 | 57 | n-Hexane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 42 | 1,2-Epoxybutane |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 57 | Iso-Octane |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.00 | 55 | Ethyl acrylate |

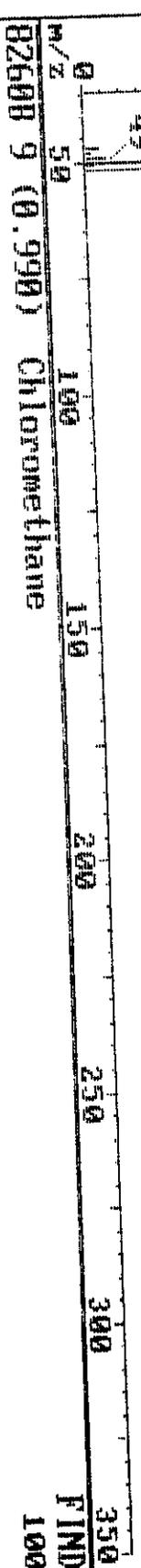
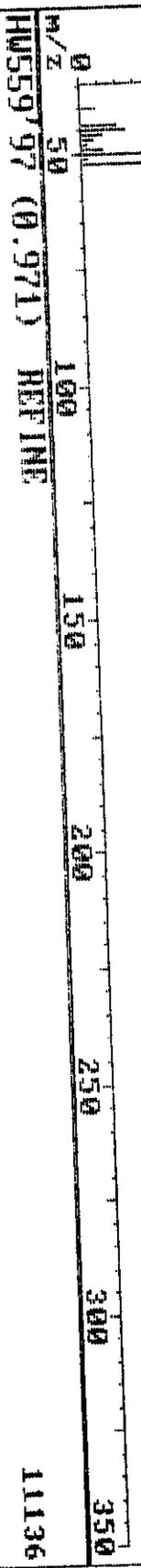
(71) PAB 8/10/98

Data Review: *PAB*
 Date: *8/10/98*

08-09-98 08:28 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: VOSTBLK T/TC

HM559 97 (0.970) 11456



08-09-98 08:28

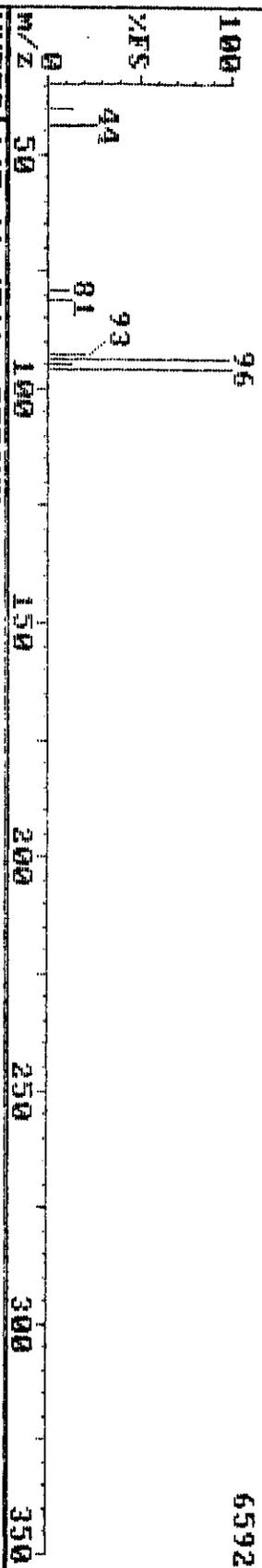
Triangle Laboratories, Inc.

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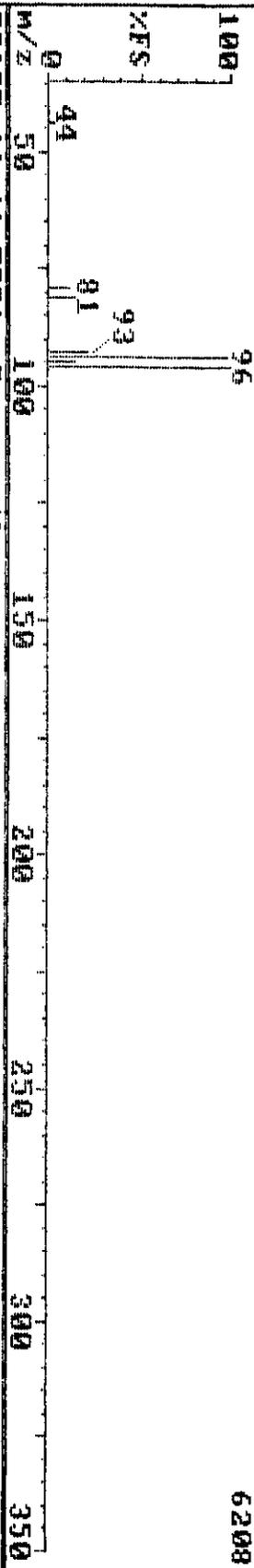
Sample: UOSTBLK T/TC

Instrument H

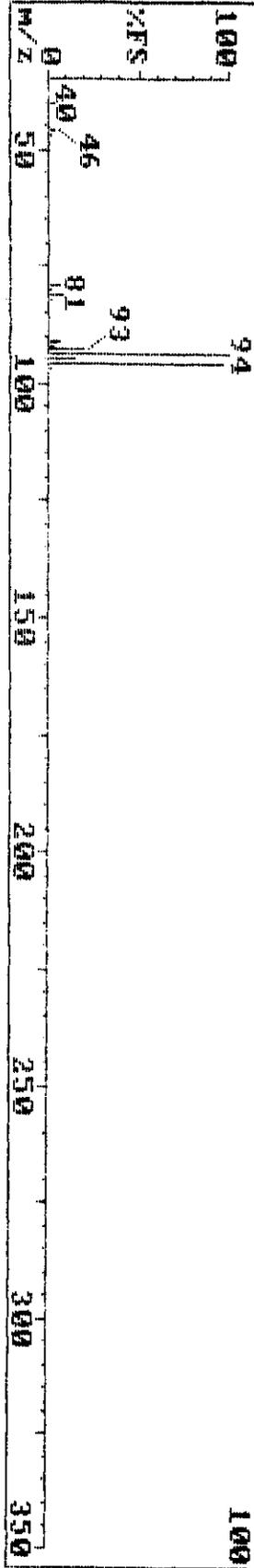
HW559 147 (1.470)



HW559 147 (1.471) REFINE



082608 11 (1.500) Bromomethane

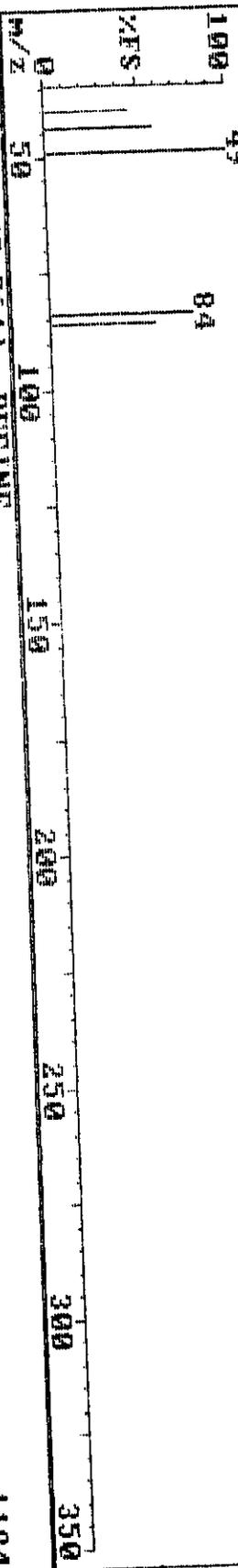


FIND 100

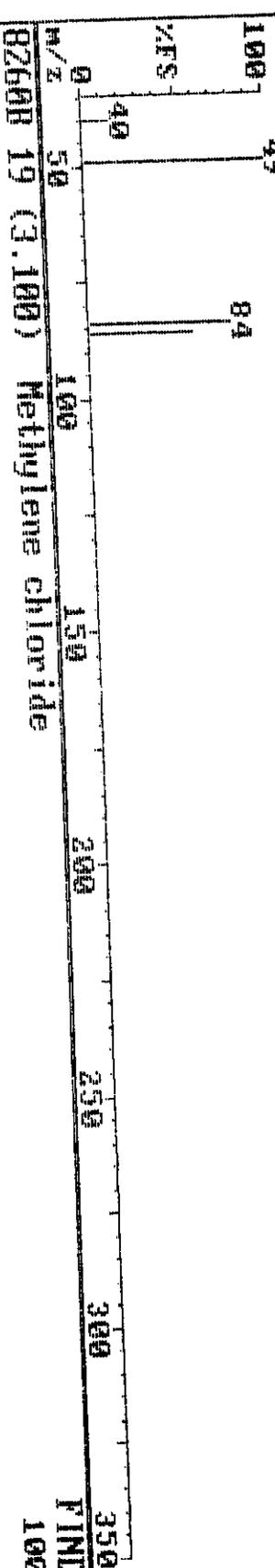
08-09-98 08:28 Triangle Laboratories, Inc. (919) 544-5729 Instrument H

Sample: UOSTBLK T/TC

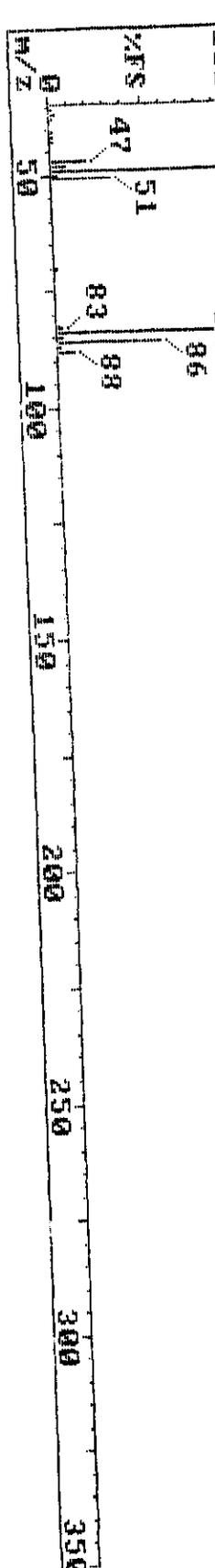
HW559 306 (3.060) 1184



HW559 306 (3.061) REFINE 1184



82608 19 (3.100) Methylene chloride FIND 100



08-09-98 08:28

Triangle Laboratories, Inc.

(919) 544-5729

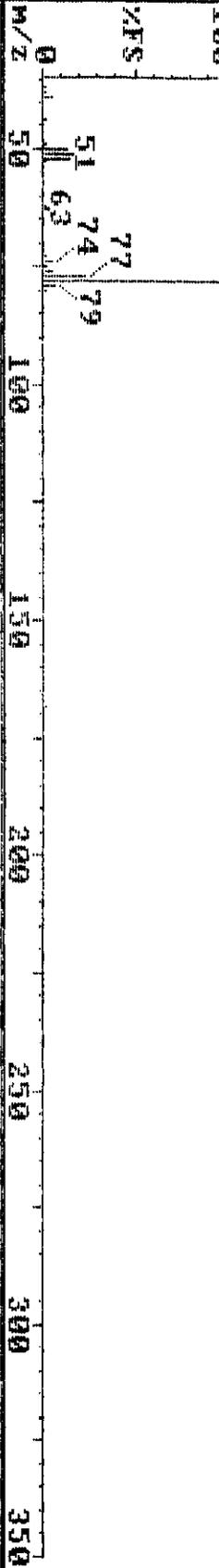
Sample: UOSTBLK T/TC

Instrument H

HM559 524 (5.241)

78

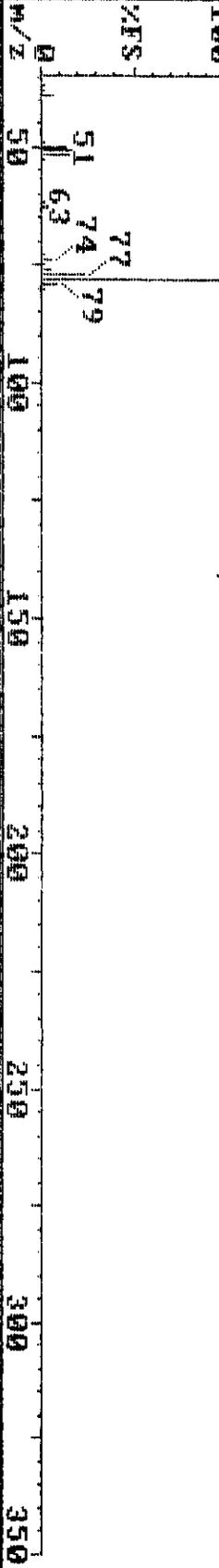
75776



HM559 524 (5.241) REFINE

78

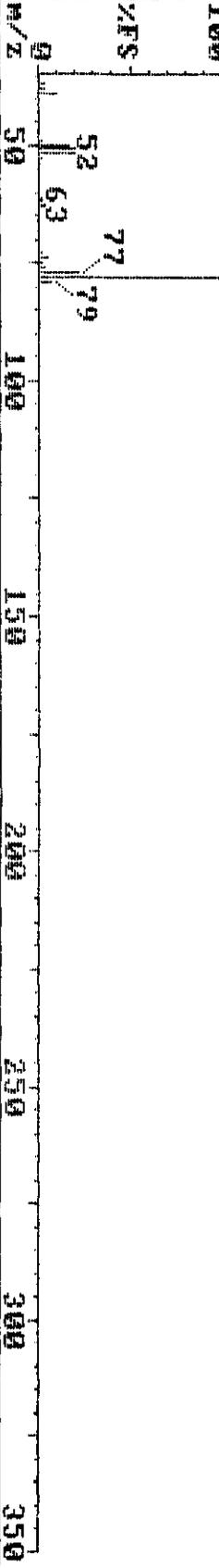
71680



82608 32 (5.291) Benzene

78

FIND 100



08-09-98 08:28

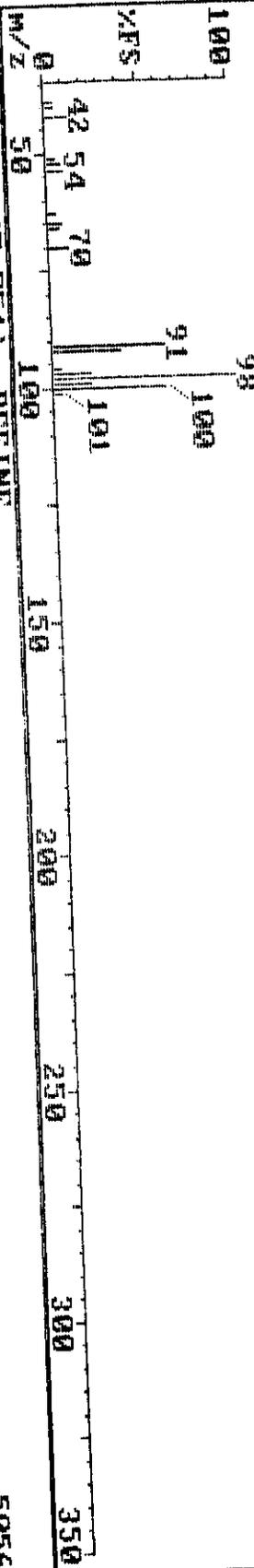
Sample: UOSTBLK T/TC

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Instrument H

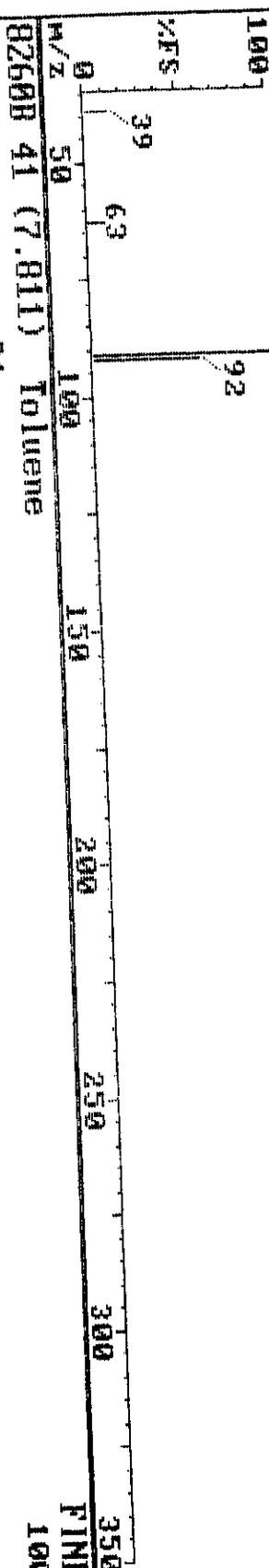
HM559 775 (7.751)

9536



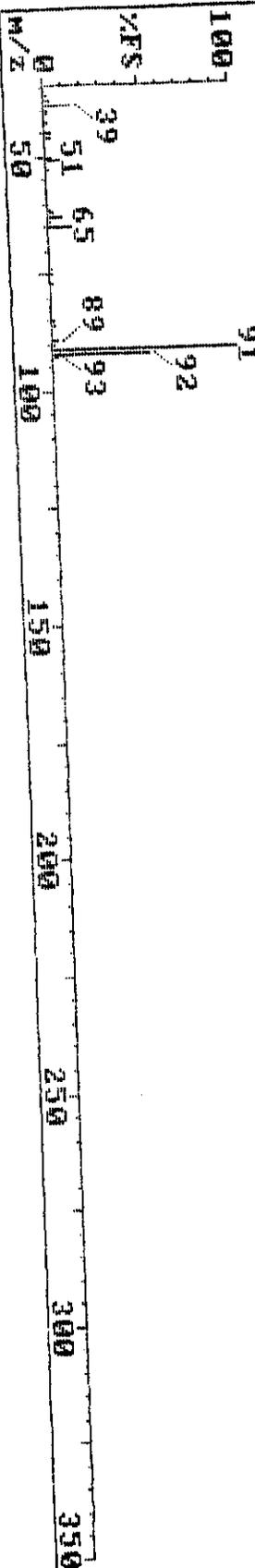
HM559 775 (7.751) REFINE

5056



BZ60B 41 (7.811) Toluene

FIND 100



08-09-98 08:28

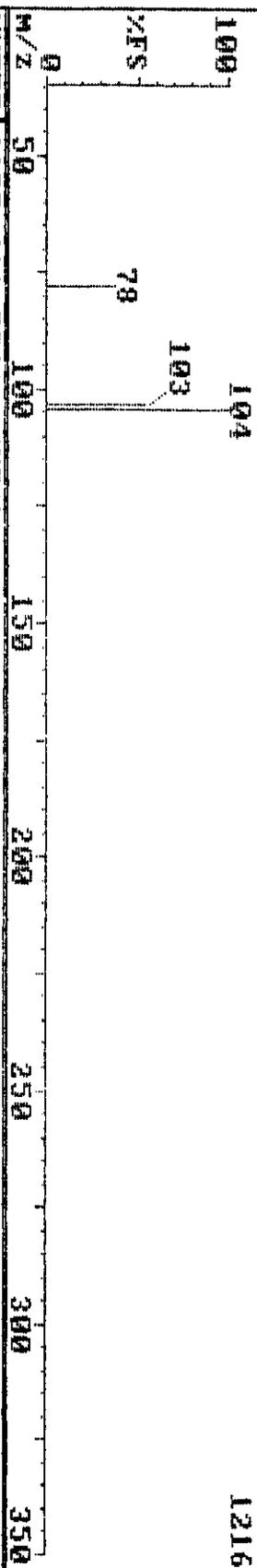
Triangle Laboratories, Inc.

(919) 544-5729

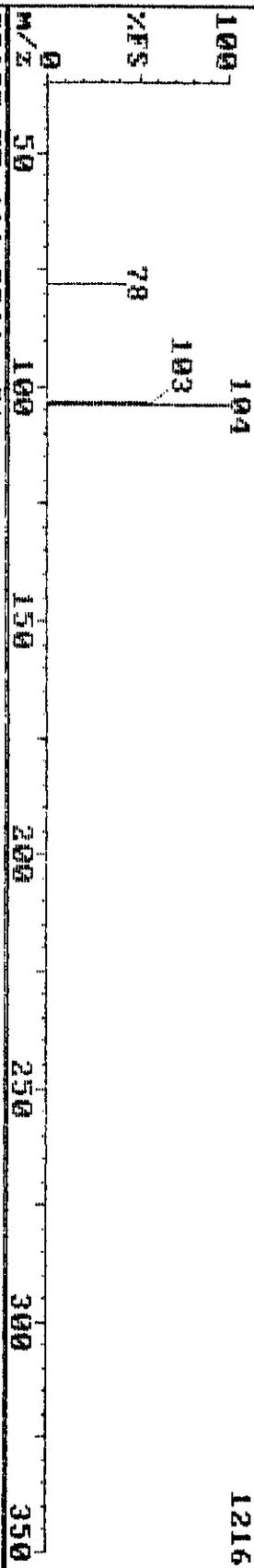
Sample: VOSTBLM T/TC

Instrument H

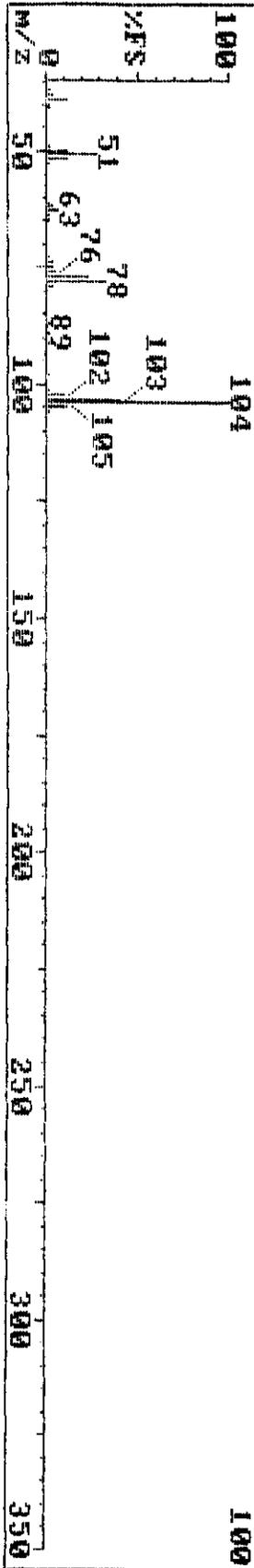
HM559 113Z (11.321)



HM559 113Z (11.321) REFINE



82608 55 (11.381) Styrene



Pacific Environmental Services

Project Number: 46323
Sample File: FX952

Method 8260 VOST
Sample ID: VOSTBLK 082198 T/TC

Client Project: R012.001
TLI ID: VOSTBLK082198

Date Received: / /

Response File: ICALF821

Date Analyzed : 08/21/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.31 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.005 | 0.05 |
| Acetone | | U | | 0.001 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | | U | | 0.024 | 0.05 |
| Acrylonitrile | | U | | 0.001 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.002 | 0.05 |
| Vinyl acetate | | U | | 0.001 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.004 | 0.05 |
| 2-Butanone | | U | | 0.001 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | IS 2 | 6.08 | | |
| 1,4-Difluorobenzene | | U | | 0.001 | 0.05 |
| Carbon tetrachloride | | | | | 0.05 |
| Benzene | 0.039 | J | 5.66 | | |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit
IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: FX952

Method 8260 VOST

Sample ID: VOSTBLK 082198 T/TC

Client Project: R012.001

Date Received: / /

Response File: ICALF821

TLI ID: VOSTBLK082198

Date Analyzed : 08/21/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|----------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.006 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.004 | 0.05 |
| Toluene | | U | | 0.001 | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.36 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.009 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.002 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 Low | 15.73 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,1,2-Tetrachloroethane | | U | | 0.003 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

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Printed: 12:31 08/25/1998

528

325

Pacific Environmental Services

Project Number: 46323
Sample File: FX952

Method 8260 VOST
Sample ID: VOSTBLK 082198 T/TC

Client Project: R012.001
TLI ID: VOSTBLK082198

Date Received: / /

Response File: ICALF821

Date Analyzed : 08/21/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.272 | 5.18 | 1 | 109 |
| Toluene-d ₈ | 0.260 | 8.00 | 2 | 104 |
| 4-Bromofluorobenzene | 0.203 | 12.66 | 2 | 81 |

Reviewed by Pab Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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529

326

Pacific Environmental Services

Project Number: 46323

Sample File: FX952

Method 8260 VOST

Sample ID: VOSTBLK 082198 T/TC

Client Project: R012.001

Date Received: / /

Response File: ICALF821

TLI ID: VOSTBLK082198

Date Analyzed : 08/21/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.31 | | |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | | U | | 0.001 | 0.25 |
| 1,2-Epoxybutane | | U | | 0.024 | 0.25 |
| Iso-Octane | | U | | 0.001 | 0.25 |
| 1,4-Difluorobenzene | | IS 2 | 6.08 | | |
| Ethyl acrylate | | U | | 0.004 | 0.25 |

Reviewed by

PAB

Date *8/25/98*

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Triangle Laboratories, Inc.

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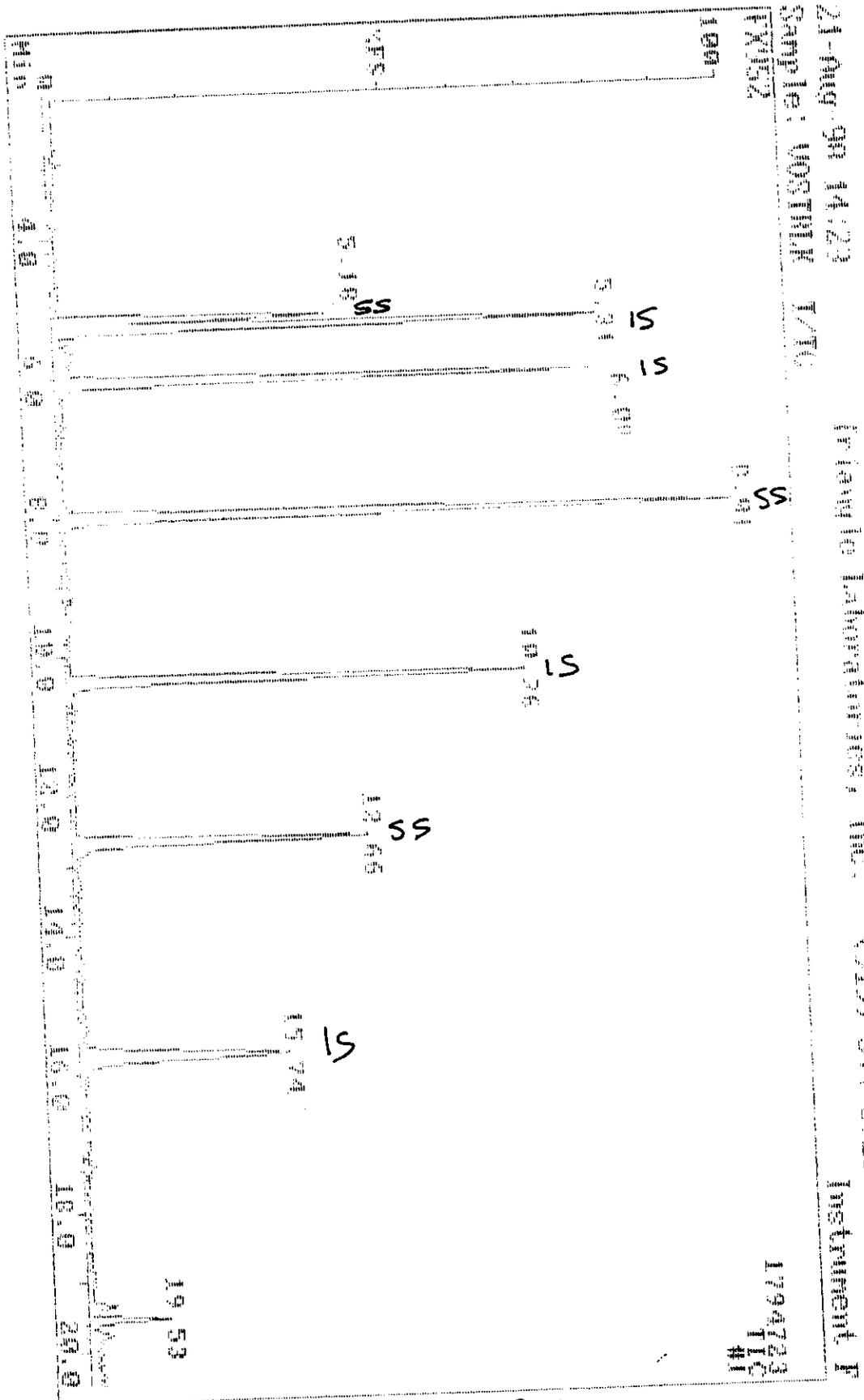
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Savar v3.7

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530

327



Data Review: PAB
 Date: 8/24/98

| NO. | MAI | FOR | REV | DATE | DESCRIPTION | QTY | NAME |
|-----|-----|-----|-----|------|-------------|-----|-------------------------------|
| 1 | 100 | 25 | 29 | 0 | 00100007 | 10 | 100 Chlorobenzene |
| 2 | 100 | 27 | 29 | 0 | 00100119 | 10 | 100 1,4-Dichlorobenzene |
| 3 | 100 | 25 | 29 | 0 | 00100003 | 10 | 100 Chloroform |
| 4 | 100 | 25 | 29 | 0 | 00100004 | 10 | 100 1,1,1-Trichloroethane |
| 5 | 100 | 27 | 29 | 0 | 00100118 | 10 | 100 Dichloromethane |
| 6 | 100 | 27 | 29 | 0 | 00100119 | 10 | 100 Trichloroethylene |
| 7 | 100 | 25 | 29 | 0 | 00100002 | 10 | 100 1,1,2,2-Tetrachloroethane |
| 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 61 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 119 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 127 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 128 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 133 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 136 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 137 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 138 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 141 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 142 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 143 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 144 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 146 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 152 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 153 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 157 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 159 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 161 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 162 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 163 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 164 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 166 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 168 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 170 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 171 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 172 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 173 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 174 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 176 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 177 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 178 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 181 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 182 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 183 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 185 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 186 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 187 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 188 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 189 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 190 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 191 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 192 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 194 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 195 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 196 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 197 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 198 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

PA PAB

PA PAB

PA PAB

Data Review: PAB
Date: 8/24/98

| Code | Rate | Time | | |
|------|------|------|------|------|------|------|------|------|------|------|----|----|
| 1 | 1000 | 01 | 00 | 02 | 1000 | 01 | 00 | 02 | 1000 | 01 | 00 | 02 |
| 2 | 1000 | 01 | 00 | 03 | 1000 | 01 | 00 | 03 | 1000 | 01 | 00 | 03 |
| 3 | 1000 | 01 | 00 | 04 | 1000 | 01 | 00 | 04 | 1000 | 01 | 00 | 04 |
| 4 | 1000 | 01 | 00 | 05 | 1000 | 01 | 00 | 05 | 1000 | 01 | 00 | 05 |
| 5 | 1000 | 01 | 00 | 06 | 1000 | 01 | 00 | 06 | 1000 | 01 | 00 | 06 |
| 6 | 1000 | 01 | 00 | 07 | 1000 | 01 | 00 | 07 | 1000 | 01 | 00 | 07 |
| 7 | 1000 | 01 | 00 | 08 | 1000 | 01 | 00 | 08 | 1000 | 01 | 00 | 08 |
| 8 | 1000 | 01 | 00 | 09 | 1000 | 01 | 00 | 09 | 1000 | 01 | 00 | 09 |
| 9 | 1000 | 01 | 00 | 10 | 1000 | 01 | 00 | 10 | 1000 | 01 | 00 | 10 |
| 10 | 1000 | 01 | 00 | 11 | 1000 | 01 | 00 | 11 | 1000 | 01 | 00 | 11 |
| 11 | 1000 | 01 | 00 | 12 | 1000 | 01 | 00 | 12 | 1000 | 01 | 00 | 12 |
| 12 | 1000 | 01 | 00 | 13 | 1000 | 01 | 00 | 13 | 1000 | 01 | 00 | 13 |
| 13 | 1000 | 01 | 00 | 14 | 1000 | 01 | 00 | 14 | 1000 | 01 | 00 | 14 |
| 14 | 1000 | 01 | 00 | 15 | 1000 | 01 | 00 | 15 | 1000 | 01 | 00 | 15 |
| 15 | 1000 | 01 | 00 | 16 | 1000 | 01 | 00 | 16 | 1000 | 01 | 00 | 16 |
| 16 | 1000 | 01 | 00 | 17 | 1000 | 01 | 00 | 17 | 1000 | 01 | 00 | 17 |
| 17 | 1000 | 01 | 00 | 18 | 1000 | 01 | 00 | 18 | 1000 | 01 | 00 | 18 |
| 18 | 1000 | 01 | 00 | 19 | 1000 | 01 | 00 | 19 | 1000 | 01 | 00 | 19 |
| 19 | 1000 | 01 | 00 | 20 | 1000 | 01 | 00 | 20 | 1000 | 01 | 00 | 20 |
| 20 | 1000 | 01 | 00 | 21 | 1000 | 01 | 00 | 21 | 1000 | 01 | 00 | 21 |
| 21 | 1000 | 01 | 00 | 22 | 1000 | 01 | 00 | 22 | 1000 | 01 | 00 | 22 |
| 22 | 1000 | 01 | 00 | 23 | 1000 | 01 | 00 | 23 | 1000 | 01 | 00 | 23 |
| 23 | 1000 | 01 | 00 | 24 | 1000 | 01 | 00 | 24 | 1000 | 01 | 00 | 24 |
| 24 | 1000 | 01 | 00 | 25 | 1000 | 01 | 00 | 25 | 1000 | 01 | 00 | 25 |
| 25 | 1000 | 01 | 00 | 26 | 1000 | 01 | 00 | 26 | 1000 | 01 | 00 | 26 |
| 26 | 1000 | 01 | 00 | 27 | 1000 | 01 | 00 | 27 | 1000 | 01 | 00 | 27 |
| 27 | 1000 | 01 | 00 | 28 | 1000 | 01 | 00 | 28 | 1000 | 01 | 00 | 28 |
| 28 | 1000 | 01 | 00 | 29 | 1000 | 01 | 00 | 29 | 1000 | 01 | 00 | 29 |
| 29 | 1000 | 01 | 00 | 30 | 1000 | 01 | 00 | 30 | 1000 | 01 | 00 | 30 |
| 30 | 1000 | 01 | 00 | 31 | 1000 | 01 | 00 | 31 | 1000 | 01 | 00 | 31 |

(70) PAB

(80) PAB

21 Aug 79 14:23

Instrument 1

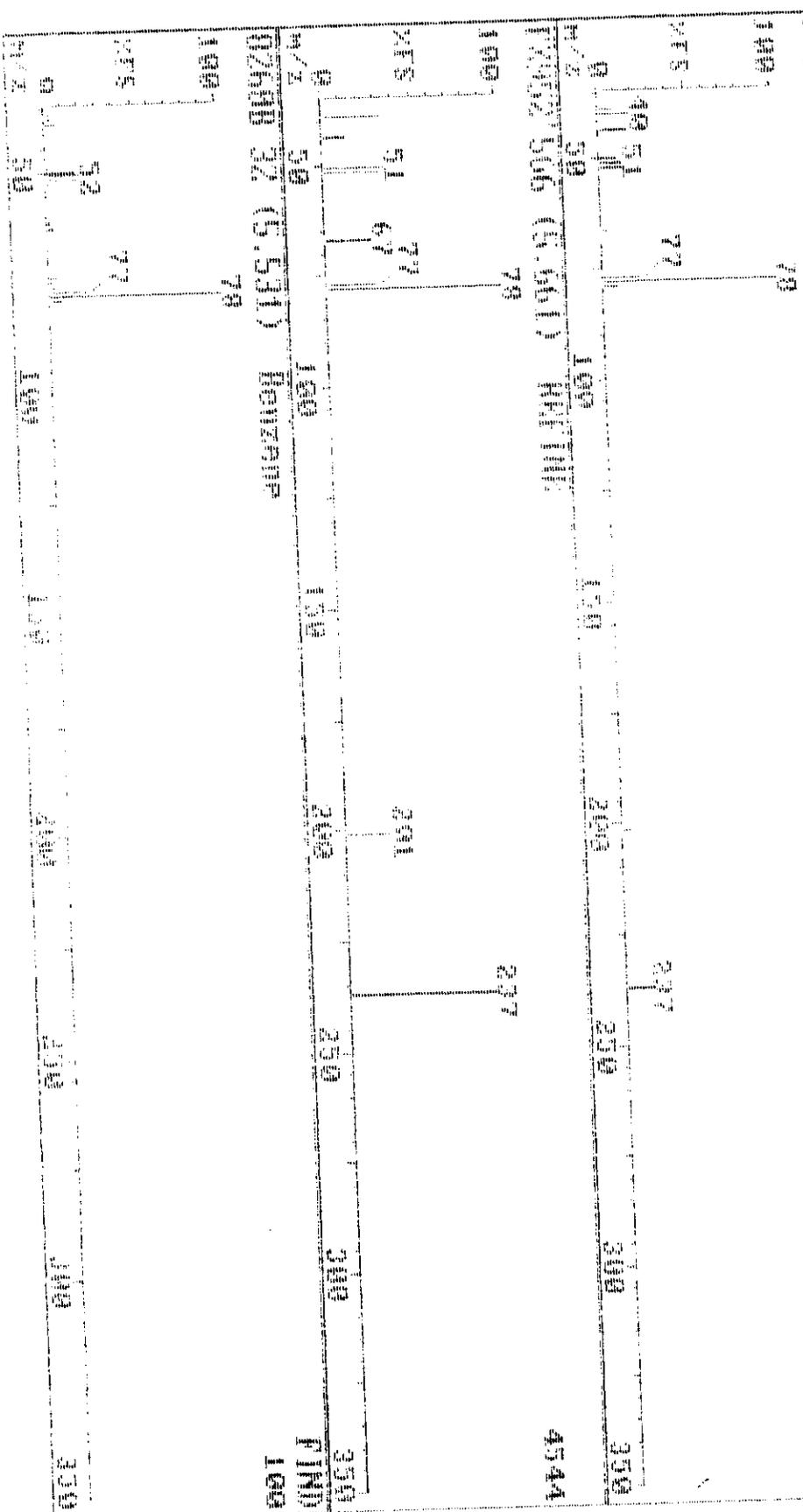
(49) 54-1729

Instrument 1

Sample: USTHAK 710

PKZ 566 (5.61)

24776



Pacific Environmental Services

Project Number: 46323

Sample File: FX974

Method 8260 VOST

Sample ID: VOSTBLK 082498 T/TC

Client Project: R012.001

Date Received: / /

Response File: ICALF821

TLI ID: VOSTBLK082498

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|--------------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.33 | | |
| Chloromethane | | U | | 0.001 | 0.05 |
| Vinyl Chloride | | U | | 0.001 | 0.05 |
| Bromomethane | | U | | 0.001 | 0.05 |
| Chloroethane | | U | | 0.001 | 0.05 |
| Trichlorofluoromethane | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethene | | U | | 0.001 | 0.05 |
| Iodomethane | | U | | 0.001 | 0.05 |
| Carbon disulfide | | U | | 0.001 | 0.05 |
| Acetone | | U | | 0.006 | 0.05 |
| Allyl chloride | | U | | 0.001 | 0.05 |
| Methylene chloride | | U | | 0.001 | 0.05 |
| Acrylonitrile | | U | | 0.029 | 0.05 |
| trans-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 1,1-Dichloroethane | | U | | 0.001 | 0.05 |
| Vinyl acetate | | U | | 0.002 | 0.05 |
| cis-1,2-Dichloroethene | | U | | 0.001 | 0.05 |
| 2-Butanone | | U | | 0.005 | 0.05 |
| Chloroform | | U | | 0.001 | 0.05 |
| 1,1,1-Trichloroethane | | U | | 0.001 | 0.05 |
| 1,4-Difluorobenzene | | IS 2 | 6.10 | | |
| Carbon tetrachloride | | U | | 0.001 | 0.05 |
| Benzene | | U | | 0.001 | 0.05 |
| 1,2-Dichloroethane | | U | | 0.001 | 0.05 |
| Trichloroethene | | U | | 0.001 | 0.05 |
| 1,2-Dichloropropane | | U | | 0.001 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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Printed: 12:31 08/25/1998

536

333

Pacific Environmental Services

Project Number: 46323
 Sample File: FX974

Method 8260 VOST
 Sample ID: VOSTBLK 082498 T/TC

Client Project: R012.001
 TLI ID: VOSTBLK082498

Date Received: / /

Response File: ICALF821

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|------------------------------------|--------------|------|-------|------------------|-------------------|
| Methyl methacrylate | | U | | 0.008 | 0.05 |
| Bromodichloromethane | | U | | 0.001 | 0.05 |
| cis-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 4-Methyl-2-pentanone | | U | | 0.006 | 0.05 |
| Toluene | | U | | 0.001 | 0.05 |
| trans-1,3-Dichloropropene | | U | | 0.001 | 0.05 |
| 1,1,2-Trichloroethane | | U | | 0.001 | 0.05 |
| Chlorobenzene-d ₅ | | IS 3 | 10.39 | | |
| Tetrachloroethene | | U | | 0.001 | 0.05 |
| 2-Hexanone | | U | | 0.013 | 0.05 |
| Dibromochloromethane | | U | | 0.001 | 0.05 |
| 1,2-Dibromoethane | | U | | 0.001 | 0.05 |
| Chlorobenzene | | U | | 0.001 | 0.05 |
| Ethylbenzene | | U | | 0.001 | 0.05 |
| m-/p-Xylene | | U | | 0.001 | 0.10 |
| o-Xylene | | U | | 0.001 | 0.05 |
| Styrene | | U | | 0.001 | 0.05 |
| Bromoform | | U | | 0.003 | 0.05 |
| 1,4-Dichlorobenzene-d ₄ | | IS 4 | 15.79 | | |
| Cumene | | U | | 0.001 | 0.05 |
| 1,1,2,2-Tetrachloroethane | | U | | 0.002 | 0.05 |

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit
 IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

Pacific Environmental Services

Project Number: 46323

Sample File: FX974

Method 8260 VOST

Sample ID: VOSTBLK 082498 T/TC

Client Project: R012.001

Date Received: / /

Response File: ICALF821

TLI ID: VOSTBLK082498

Date Analyzed: 08/24/98

| Surrogate Summary | Amount (ug) | RT | IS Ref | %REC |
|------------------------|----------------|-------|--------|------|
| Dibromofluoromethane | 0.232 | 5.21 | 1 | 93 |
| Toluene-d ₈ | 0.256 | 8.03 | 2 | 102 |
| 4-Bromofluorobenzene | 0.198 | 12.69 | 2 | 79 |

Reviewed by Pab Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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538

335

Pacific Environmental Services

Project Number: 46323
 Sample File: FX974

Method 8260 VOST
 Sample ID: VOSTBLK 082498 T/TC

Client Project: R012.001
 FLI ID: VOSTBLK082498

Date Received: / /

Response File: ICALF824

Date Analyzed : 08/24/98

| Analyte | Amount ug | FLAG | RT | Det. Limit ug | Quan. Limit ug |
|---------------------|--------------|------|------|------------------|-------------------|
| Pentafluorobenzene | | IS 1 | 5.33 | | 0.25 |
| 1,3-Butadiene | | U | | 0.001 | 0.25 |
| Vinyl bromide | | U | | 0.001 | 0.25 |
| MTBE | | U | | 0.001 | 0.25 |
| n-Hexane | | U | | 0.035 | 0.25 |
| 1,2-Epoxybutane | | U | | 0.001 | 0.25 |
| Iso-Octane | | U | | | |
| 1,4-Difluorobenzene | | IS 2 | 6.10 | | 0.25 |
| Ethyl acrylate | | U | | 0.009 | 0.25 |

Reviewed by PAB Date 8/25/98

NA- Not Applicable; Det. Limit: Detection Limit; Quan. Limit: Quantitation Limit

IS: Internal Standard; U: Undetected; B: Present In Blank; J: Estimated- Below Quantitation Limit; E: Estimated- Above Calibration Range

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 Printed: 17:21 08/25/1998

| NO | MAT | FOR | REF | Debit | AMOUNT | STAGE | RT | DESCRIPTION |
|----|-----|-----|-----|-------|----------|-------|--------|-------------------------|
| 1 | 100 | 38 | 00 | 0 | 284729.2 | 100 | 5.571 | 160 Ombaflurone tablets |
| 2 | 100 | 37 | 00 | 0 | 101133.6 | 100 | 5.101 | 114 1,1-Dichloroethane |
| 3 | 100 | 36 | 00 | 0 | 21300.30 | 100 | 11.091 | 112 Chlorobenzene |
| 4 | 100 | 35 | 00 | L | 748120 | 100 | 15.799 | 102 1,1-Dichloroethane |
| 5 | 100 | 34 | 00 | L | 1337024 | 100 | 5.211 | 113 Chloroform |
| 6 | 100 | 34 | 00 | 0 | 2465152 | 100 | 11.031 | 28 Chloroform |
| 7 | 100 | 32 | 00 | -1 | 143720 | 100 | 12.691 | 24 Chloroform |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 35 Chloroform |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 50 Chloroform |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 51 Chloroform |
| 11 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 20 Chloroform |
| 13 | 0 | 0 | 0 | 0 | 0 | | 1.000 | 141 Chloroform |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 36 Chloroform |
| 15 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 16 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 17 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 13 Chloroform |
| 18 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 14 Chloroform |
| 19 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 20 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 21 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 22 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 23 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 24 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 25 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 26 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 27 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 24 Chloroform |
| 28 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 123 Chloroform |
| 29 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 27 Chloroform |
| 30 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 117 Chloroform |
| 31 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 25 Chloroform |
| 32 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 28 Benzene |
| 33 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 Chloroform |
| 34 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 130 Chloroform |
| 35 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 63 Chloroform |
| 36 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 23 Chloroform |
| 37 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 41 Chloroform |
| 38 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 23 Chloroform |
| 39 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 25 Chloroform |
| 40 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 22 Chloroform |
| 41 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 25 Chloroform |
| 42 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 25 Chloroform |
| 43 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 27 Chloroform |
| 44 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 62 Chloroform |
| 45 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 164 Chloroform |
| 46 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 74 Chloroform |
| 47 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 43 Chloroform |
| 48 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 129 Chloroform |
| 49 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 107 Chloroform |
| 50 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 112 Chlorobenzene |

Data Review: PAB
Date: 8/24/98

| No. | mol | FOR | REV | Order | Amount | Price | Unit | Chem Name |
|-----|-----|-----|-----|-------|--------|-------|------|------------------------------|
| 51 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 52 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 53 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 54 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 55 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 56 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 57 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 58 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 59 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 60 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 61 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 62 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 63 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 64 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 65 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 66 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 67 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 68 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 69 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 70 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 71 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 72 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 73 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 74 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 75 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 76 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 77 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 78 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 79 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |
| 80 | 0 | 0 | 0 | 0 | 0 | 0.000 | 1.00 | 1,1,1,2,2,2-hexafluoroethane |

QUAN DB : FX974

LAB-PAGE QUAN

10/10/03

11/24

| No. | MAT | FOR | REV | DELTA | Amount | P.Flags | RT | QM | Name |
|-----|-----|-----|-----|-------|---------|---------|--------|-----|------------------------|
| 1 | 100 | 83 | 99 | 4 | 2347952 | hb | 5.351 | 108 | Pentafluorobenzene |
| 2 | 100 | 97 | 97 | -1 | 5010304 | hb | 6.101 | 114 | 1,4-difluorobenzene |
| 3 | 100 | 83 | 83 | -2 | 2107332 | bv | 10.721 | 117 | chlorobenzene |
| 4 | 100 | 85 | 94 | 0 | 748592 | bv | 15.722 | 152 | 1,4-dichlorobenzene |
| 5 | 100 | 96 | 97 | 0 | 1072024 | bb | 5.211 | 115 | Di bromo Fluorobenzene |
| 6 | 100 | 94 | 96 | -1 | 5565152 | bb | 8.031 | 28 | Toluene |
| 7 | 100 | 92 | 92 | -2 | 247970 | bb | 12.621 | 25 | 4-Bromo Fluorobenzene |
| 8 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 29 | 1,3-Dichlorobenzene |
| 9 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 106 | Vinyl bromide |
| 10 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 15 | ATBC |
| 11 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 57 | n-hexane |
| 12 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 97 | 1,2-dichlorobenzene |
| 13 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 7 | propyl acetate |
| 14 | 0 | 0 | 0 | 0 | 0 | | 0.000 | 11 | Diethyl ether |

TRIANGLE LABS

CALIBRATION
DATA

Triangle Laboratories, Inc.
801 Capitola Drive
Durham, NC 27713-4411
919-544-5729

P.O. Box 13485
Research Triangle Park, NC 27709-3485
Fax # 919-544-5491

Triangle Laboratories, Inc.
Initial Calibration Curve

ICAL File: ICALH809
RF0.10 HW551
RF0.75 HW554

Date of Analysis :08/09/98
RF0.25 HW552
RF1.00 HW555

Analyte List: special
RF0.50 HW553

VOST Calibration.

| Analyte | Flag | RF0.10 | RF0.25 | RF0.50 | RF0.75 | RF1.00 | MEAN | %RSD |
|---------------------------|------|--------|--------|--------|--------|--------|-------|------|
| Pentafluorobenzene | I | | | | | | | |
| Chloromethane | P | 0.387 | 0.407 | 0.363 | 0.343 | 0.388 | 0.377 | 6.6 |
| Vinyl Chloride | C | 0.439 | 0.497 | 0.449 | 0.438 | 0.517 | 0.468 | 7.8 |
| Bromomethane | | 0.412 | 0.450 | 0.351 | 0.421 | 0.512 | 0.429 | 13.7 |
| Chloroethane | | 0.248 | 0.276 | 0.215 | 0.239 | 0.292 | 0.254 | 11.9 |
| Trichlorofluoromethane | | 1.009 | 1.058 | 0.965 | 1.028 | 1.245 | 1.061 | 10.2 |
| 1,1-Dichloroethene | C | 0.442 | 0.502 | 0.482 | 0.381 | 0.515 | 0.464 | 11.7 |
| Iodomethane | | 0.950 | 1.061 | 1.070 | 0.881 | 0.944 | 0.981 | 8.3 |
| Carbon disulfide | | 1.060 | 1.160 | 1.129 | 0.896 | 1.018 | 1.053 | 9.9 |
| Acetone | | 0.055 | 0.047 | 0.049 | 0.036 | 0.063 | 0.050 | 20.3 |
| Allyl chloride | | 0.386 | 0.416 | 0.415 | 0.309 | 0.370 | 0.379 | 11.6 |
| Methylene chloride | | 0.392 | 0.412 | 0.388 | 0.289 | 0.287 | 0.354 | 17.2 |
| Acrylonitrile | | 0.045 | 0.039 | 0.041 | 0.035 | 0.026 | 0.037 | 19.7 |
| trans-1,2-Dichloroethene | | 0.463 | 0.488 | 0.471 | 0.437 | 0.366 | 0.445 | 10.8 |
| 1,1-Dichloroethane | P | 0.739 | 0.762 | 0.709 | 0.730 | 0.723 | 0.733 | 2.7 |
| Vinyl acetate | | 0.409 | 0.391 | 0.405 | 0.395 | 0.391 | 0.398 | 2.1 |
| cis-1,2-Dichloroethene | | 0.429 | 0.462 | 0.444 | 0.448 | 0.472 | 0.451 | 3.6 |
| 2-Butanone | | 0.073 | 0.059 | 0.061 | 0.060 | 0.064 | 0.063 | 8.8 |
| Chloroform | C | 0.756 | 0.799 | 0.759 | 0.751 | 0.790 | 0.771 | 2.8 |
| 1,1,1-Trichloroethane | | 0.699 | 0.745 | 0.721 | 0.717 | 0.732 | 0.723 | 2.4 |
| 1,4-Difluorobenzene | I | | | | | | | |
| Carbon tetrachloride | | 0.641 | 0.532 | 0.501 | 0.628 | 0.704 | 0.601 | 13.9 |
| Benzene | | 1.457 | 0.985 | 0.984 | 1.171 | 1.270 | 1.173 | 17.1 |
| 1,2-Dichloroethane | | 0.328 | 0.296 | 0.299 | 0.360 | 0.412 | 0.339 | 14.2 |
| Trichloroethene | | 0.436 | 0.443 | 0.455 | 0.496 | 0.384 | 0.443 | 9.1 |
| 1,2-Dichloropropane | C | 0.450 | 0.426 | 0.426 | 0.480 | 0.344 | 0.425 | 11.9 |
| Methyl methacrylate | | 0.120 | 0.111 | 0.116 | 0.123 | 0.063 | 0.107 | 23.4 |
| Bromodichloromethane | | 0.667 | 0.644 | 0.667 | 0.796 | 0.490 | 0.653 | 16.7 |
| cis-1,3-Dichloropropene | | 0.635 | 0.623 | 0.609 | 0.712 | 0.509 | 0.618 | 11.8 |
| 4-Methyl-2-pentanone | | 0.204 | 0.150 | 0.159 | 0.179 | 0.166 | 0.172 | 12.1 |
| Toluene | C | 1.054 | 0.948 | 0.938 | 1.133 | 1.009 | 1.016 | 7.9 |
| trans-1,3-Dichloropropene | | 0.522 | 0.462 | 0.461 | 0.539 | 0.552 | 0.507 | 8.5 |
| 1,1,2-Trichloroethane | | 0.381 | 0.321 | 0.305 | 0.364 | 0.362 | 0.347 | 9.2 |
| Chlorobenzene-d5 | I | | | | | | | |
| Tetrachloroethene | | 0.388 | 0.381 | 0.398 | 0.403 | 0.347 | 0.383 | 5.7 |
| 2-Hexanone | 1 | 0.079 | 0.061 | 0.070 | 0.070 | 0.081 | 0.072 | 11.1 |
| Dibromochloromethane | | 0.399 | 0.381 | 0.408 | 0.390 | 0.355 | 0.387 | 5.2 |
| 1,2-Dibromoethane | | 0.326 | 0.297 | 0.310 | 0.292 | 0.277 | 0.300 | 6.2 |

* - Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|---------------------|----------------------------|-----------------------|
| ICAL File: ICALH809 | Date of Analysis :08/09/98 | Analyte List: special |
| RF0.10 HW551 | RF0.25 HW552 | RF0.50 HW553 |
| RF0.75 HW554 | RF1.00 HW555 | |

VOST Calibration.

| Analyte | Flag | RF0.10 | RF0.25 | RF0.50 | RF0.75 | RF1.00 | MEAN | %RSD |
|---------------------------|------|--------|--------|--------|--------|--------|-------|------|
| Chlorobenzene | P | 0.930 | 0.929 | 0.979 | 0.960 | 0.978 | 0.955 | 2.6 |
| Ethylbenzene | C | 0.509 | 0.525 | 0.542 | 0.555 | 0.572 | 0.541 | 4.5 |
| m-/p-Xylene | | 0.628 | 0.646 | 0.679 | 0.697 | 0.730 | 0.676 | 6.0 |
| o-Xylene | | 0.601 | 0.605 | 0.641 | 0.653 | 0.701 | 0.640 | 6.4 |
| Styrene | | 0.925 | 0.957 | 1.012 | 1.036 | 1.121 | 1.010 | 7.5 |
| Bromoform | P | 0.211 | 0.193 | 0.205 | 0.217 | 0.215 | 0.208 | 4.6 |
| 1,4-Dichlorobenzene-d4 | I | | | | | | | |
| Cumene | | 3.195 | 2.902 | 3.063 | 3.038 | 2.980 | 3.036 | 3.6 |
| 1,1,2,2-Tetrachloroethane | P | 0.518 | 0.357 | 0.362 | 0.368 | 0.390 | 0.399 | 17.0 |
| Average %RSD | | | | | | | | 9.7 |

| Surrogate | Flag | RF0.10 | RF0.25 | RF0.50 | RF0.75 | RF1.00 | Mean | %RSD |
|----------------------|------|--------|--------|--------|--------|--------|-------|------|
| Dibromofluoromethane | S | 0.523 | 0.538 | 0.522 | 0.530 | 0.552 | 0.533 | 2.4 |
| Toluene-d8 | S | 1.422 | 1.357 | 1.310 | 1.625 | 1.290 | 1.401 | 9.7 |
| 4-Bromofluorobenzene | S | 0.702 | 0.656 | 0.636 | 0.788 | 0.974 | 0.751 | 18.3 |

Approved by: *ScB* Date 8/10/98

*- Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: HW552

Date of Analysis :08/09/98

Analyte List: special

ICAL File: ICALH809

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|-------|
| Pentafluorobenzene | I | | | |
| Chloromethane | P | 0.407 | 0.377 | -8.0 |
| Vinyl Chloride | C | 0.497 | 0.468 | -6.2 |
| Bromomethane | | 0.450 | 0.429 | -4.9 |
| Chloroethane | | 0.276 | 0.254 | -8.7 |
| Trichlorofluoromethane | | 1.058 | 1.061 | 0.3 |
| 1,1-Dichloroethene | C | 0.502 | 0.464 | -8.2 |
| Iodomethane | | 1.061 | 0.981 | -8.2 |
| Carbon disulfide | | 1.160 | 1.053 | -10.2 |
| Acetone | | 0.047 | 0.050 | 6.0 |
| Allyl chloride | | 0.416 | 0.379 | -9.8 |
| Methylene chloride | | 0.412 | 0.354 | -16.4 |
| Acrylonitrile | | 0.039 | 0.037 | -5.4 |
| trans-1,2-Dichloroethene | | 0.488 | 0.445 | -9.7 |
| 1,1-Dichloroethane | P | 0.762 | 0.733 | -4.0 |
| Vinyl acetate | | 0.391 | 0.398 | 1.8 |
| cis-1,2-Dichloroethene | | 0.462 | 0.451 | -2.4 |
| 2-Butanone | | 0.059 | 0.063 | 6.3 |
| Chloroform | C | 0.799 | 0.771 | -3.6 |
| 1,1,1-Trichloroethane | | 0.745 | 0.723 | -3.0 |
| 1,4-Difluorobenzene | I | | | |
| Carbon tetrachloride | | 0.532 | 0.601 | 11.5 |
| Benzene | | 0.985 | 1.173 | 16.0 |
| 1,2-Dichloroethane | | 0.296 | 0.339 | 12.7 |
| Trichloroethene | | 0.443 | 0.443 | 0.0 |
| 1,2-Dichloropropane | C | 0.426 | 0.425 | -0.2 |
| Methyl methacrylate | | 0.111 | 0.107 | -3.7 |
| Bromodichloromethane | | 0.644 | 0.653 | 1.4 |
| cis-1,3-Dichloropropene | | 0.623 | 0.618 | -0.8 |
| 4-Methyl-2-pentanone | | 0.150 | 0.172 | 12.8 |
| Toluene | C | 0.948 | 1.016 | 6.7 |
| trans-1,3-Dichloropropene | | 0.462 | 0.507 | 8.9 |
| 1,1,2-Trichloroethane | | 0.321 | 0.347 | 7.5 |
| Chlorobenzene-d5 | I | | | |
| Tetrachloroethene | | 0.381 | 0.383 | 0.5 |
| 2-Hexanone | 1 | 0.061 | 0.072 | 15.3 |
| Dibromochloromethane | | 0.381 | 0.387 | 1.6 |
| 1,2-Dibromoethane | | 0.297 | 0.300 | 1.0 |

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: HW552 Date of Analysis :08/09/98 Analyte List: special
 ICAL File: ICALH809

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|------|
| Chlorobenzene | P | 0.929 | 0.955 | 2.7 |
| Ethylbenzene | C | 0.525 | 0.541 | 3.0 |
| m-/p-Xylene | | 0.646 | 0.676 | 4.4 |
| o-Xylene | | 0.605 | 0.640 | 5.5 |
| Styrene | | 0.957 | 1.010 | 5.2 |
| Bromoform | P | 0.193 | 0.208 | 7.2 |
| 1,4-Dichlorobenzene-d4 | I | | | |
| Cumene | | 2.902 | 3.036 | 4.4 |
| 1,1,2,2-Tetrachloroethane | P | 0.357 | 0.399 | 10.5 |

| Surrogate | Flag | RF0.25 | RFMEAN | %D |
|----------------------|------|--------|--------|------|
| Dibromofluoromethane | S | 0.538 | 0.533 | -0.9 |
| Toluene-d8 | S | 1.357 | 1.401 | 3.1 |
| 4-Bromofluorobenzene | S | 0.656 | 0.751 | 12.6 |

Approved by: GAB Date 8/10/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|---------------------|----------------------------|-----------------------|
| ICAL File: ICALF821 | Date of Analysis :08/21/98 | Analyte List: special |
| RF0.10 FX943 | RF0.25 FX944 | RF0.50 FX945 |
| RF0.75 FX946 | RF1.00 FX949 | |

VOST Calibration.

| Analyte | Flag | RF0.10 | RF0.25 | RF0.50 | RF0.75 | RF1.00 | MEAN | %RSD |
|---------------------------|------|--------|--------|--------|--------|--------|-------|-------|
| Pentafluorobenzene | I | | | | | | | |
| Chloromethane | P | 0.135 | 0.191 | 0.176 | 0.154 | 0.115 | 0.154 | 19.9 |
| Vinyl Chloride | C | 0.184 | 0.230 | 0.231 | 0.226 | 0.185 | 0.211 | 11.6 |
| Bromomethane | | 0.292 | 0.238 | 0.237 | 0.224 | 0.188 | 0.236 | 15.8 |
| Chloroethane | | 0.166 | 0.186 | 0.177 | 0.166 | 0.143 | 0.168 | 9.5 |
| Trichlorofluoromethane | | 0.827 | 0.854 | 0.831 | 0.773 | 0.673 | 0.792 | 9.2 |
| 1,1-Dichloroethene | C | 0.356 | 0.369 | 0.361 | 0.337 | 0.311 | 0.347 | 6.7 |
| Iodomethane | | 0.457 | 0.443 | 0.462 | 0.463 | 0.441 | 0.453 | 2.3 |
| Carbon disulfide | | 0.900 | 0.869 | 0.888 | 0.849 | 0.709 | 0.843 | 9.2 |
| Acetone | | 0.014 | 0.017 | 0.038 | 0.035 | 0.051 | 0.031 | 50.5 |
| Allyl chloride | | 0.245 | 0.276 | 0.290 | 0.265 | 0.240 | 0.263 | 8.0 |
| Methylene chloride | | 0.271 | 0.268 | 0.270 | 0.258 | 0.252 | 0.264 | 3.1 |
| Acrylonitrile | | 0.002 | 0.006 | 0.009 | 0.007 | 0.008 | 0.006 | 39.9 |
| trans-1,2-Dichloroethene | | 0.416 | 0.429 | 0.409 | 0.395 | 0.361 | 0.402 | 6.4 |
| 1,1-Dichloroethane | P | 0.581 | 0.592 | 0.596 | 0.572 | 0.540 | 0.576 | 3.9 |
| Vinyl acetate | | 0.064 | 0.069 | 0.091 | 0.099 | 0.104 | 0.085 | 21.1 |
| cis-1,2-Dichloroethene | | 0.346 | 0.369 | 0.376 | 0.371 | 0.360 | 0.365 | 3.2 |
| 2-Butanone | | 0.017 | 0.015 | 0.031 | 0.035 | 0.062 | 0.032 | 58.6 |
| Chloroform | C | 0.761 | 0.739 | 0.744 | 0.721 | 0.678 | 0.729 | 4.4 |
| 1,1,1-Trichloroethane | | 0.848 | 0.861 | 0.844 | 0.832 | 0.772 | 0.831 | 4.2 |
| 1,4-Difluorobenzene | I | | | | | | | |
| Carbon tetrachloride | | 0.812 | 0.729 | 0.709 | 0.724 | 0.686 | 0.732 | 6.5 |
| Benzene | | 1.077 | 1.127 | 1.136 | 1.120 | 0.972 | 1.086 | 6.2 |
| 1,2-Dichloroethane | | 0.220 | 0.231 | 0.253 | 0.256 | 0.252 | 0.242 | 6.6 |
| Trichloroethene | | 0.404 | 0.426 | 0.431 | 0.436 | 0.434 | 0.426 | 3.1 |
| 1,2-Dichloropropane | C | 0.216 | 0.225 | 0.245 | 0.262 | 0.264 | 0.242 | 8.9 |
| Methyl methacrylate | | 0.016 | 0.015 | 0.020 | 0.023 | 0.026 | 0.020 | 23.1 |
| Bromodichloromethane | | 0.383 | 0.403 | 0.428 | 0.462 | 0.466 | 0.428 | 8.4 |
| cis-1,3-Dichloropropene | | 0.224 | 0.267 | 0.307 | 0.370 | 0.386 | 0.311 | 22.0 |
| 4-Methyl-2-pentanone | | 0.013 | 0.026 | 0.035 | 0.026 | 0.032 | 0.027 | 31.9 |
| Toluene | C | 0.822 | 0.901 | 0.900 | 0.920 | 0.872 | 0.883 | 4.4 |
| trans-1,3-Dichloropropene | | 0.118 | 0.147 | 0.174 | 0.229 | 0.230 | 0.180 | 27.7 |
| 1,1,2-Trichloroethane | | 0.117 | 0.123 | 0.133 | 0.146 | 0.150 | 0.134 | 10.5 |
| Chlorobenzene-d5 | I | | | | | | | |
| Tetrachloroethene | | 0.515 | 0.532 | 0.516 | 0.521 | 0.526 | 0.522 | 1.3 |
| 2-Hexanone | 1 | 0.002 | 0.004 | 0.016 | 0.011 | 0.058 | 0.018 | 127.2 |
| Dibromochloromethane | | 0.200 | 0.201 | 0.215 | 0.227 | 0.246 | 0.218 | 8.8 |
| 1,2-Dibromoethane | | 0.147 | 0.151 | 0.163 | 0.187 | 0.181 | 0.166 | 10.7 |

* - Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|---------------------|----------------------------|-----------------------|
| ICAL File: ICALF821 | Date of Analysis :08/21/98 | Analyte List: special |
| RF0.10 FX943 | RF0.25 FX944 | RF0.50 FX945 |
| RF0.75 FX946 | RF1.00 FX949 | |

VOST Calibration.

| Analyte | Flag | RF0.10 | RF0.25 | RF0.50 | RF0.75 | RF1.00 | MEAN | %RSD |
|---------------------------|------|--------|--------|--------|--------|--------|-------|------|
| Chlorobenzene | P | 1.092 | 1.046 | 1.061 | 1.063 | 1.032 | 1.059 | 2.1 |
| Ethylbenzene | C | 0.660 | 0.721 | 0.727 | 0.719 | 0.687 | 0.703 | 4.1 |
| m-/p-Xylene | | 0.880 | 0.897 | 0.897 | 0.855 | 0.731 | 0.852 | 8.2 |
| o-Xylene | | 0.649 | 0.712 | 0.755 | 0.747 | 0.725 | 0.718 | 5.8 |
| Styrene | | 0.800 | 0.901 | 0.946 | 0.982 | 0.983 | 0.922 | 8.2 |
| Bromoform | P | 0.082 | 0.077 | 0.084 | 0.078 | 0.091 | 0.082 | 7.1 |
| 1,4-Dichlorobenzene-d4 | I | | | | | | | |
| Cumene | | 7.662 | 6.642 | 6.797 | 6.157 | 4.138 | 6.279 | 20.9 |
| 1,1,2,2-Tetrachloroethane | P | 0.360 | 0.255 | 0.254 | 0.267 | 0.225 | 0.272 | 18.9 |
| Average %RSD | | | | | | | | 15.6 |

| Surrogate | Flag | RF0.10 | RF0.25 | RF0.50 | RF0.75 | RF1.00 | Mean | %RSD |
|----------------------|------|--------|--------|--------|--------|--------|-------|------|
| Dibromofluoromethane | S | 0.394 | 0.391 | 0.392 | 0.397 | 0.392 | 0.393 | 0.6 |
| Toluene-d8 | S | 1.020 | 1.146 | 1.236 | 1.260 | 1.112 | 1.155 | 8.4 |
| 4-Bromofluorobenzene | S | 0.377 | 0.362 | 0.414 | 0.399 | 0.427 | 0.396 | 6.7 |

Approved by: PUB Date 8/26/98

* - Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

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347

Triangle Laboratories, Inc.
Continuing Calibration Curve

| | | |
|---------------------|----------------------------|-----------------------|
| CCAL File: FX944 | Date of Analysis :08/21/98 | Analyte List: special |
| ICAL File: ICALF821 | | |

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|-------|
| Pentafluorobenzene | I | | | |
| Chloromethane | P | 0.191 | 0.154 | -24.0 |
| Vinyl Chloride | C | 0.230 | 0.211 | -9.0 |
| Bromomethane | | 0.238 | 0.236 | -0.8 |
| Chloroethane | | 0.186 | 0.168 | -10.7 |
| Trichlorofluoromethane | | 0.854 | 0.792 | -7.8 |
| 1,1-Dichloroethene | C | 0.369 | 0.347 | -6.3 |
| Iodomethane | | 0.443 | 0.453 | 2.2 |
| Carbon disulfide | | 0.869 | 0.843 | -3.1 |
| Acetone | | 0.017 | 0.031 | 45.2 |
| Allyl chloride | | 0.276 | 0.263 | -4.9 |
| Methylene chloride | | 0.268 | 0.264 | -1.5 |
| Acrylonitrile | | 0.006 | 0.006 | 0.0 |
| trans-1,2-Dichloroethene | | 0.429 | 0.402 | -6.7 |
| 1,1-Dichloroethane | P | 0.592 | 0.576 | -2.8 |
| Vinyl acetate | | 0.069 | 0.085 | 18.8 |
| cis-1,2-Dichloroethene | | 0.369 | 0.365 | -1.1 |
| 2-Butanone | | 0.015 | 0.032 | 53.1 |
| Chloroform | C | 0.739 | 0.729 | -1.4 |
| 1,1,1-Trichloroethane | | 0.861 | 0.831 | -3.6 |
| 1,4-Difluorobenzene | I | | | |
| Carbon tetrachloride | | 0.729 | 0.732 | 0.4 |
| Benzene | | 1.127 | 1.086 | -3.8 |
| 1,2-Dichloroethane | | 0.231 | 0.242 | 4.5 |
| Trichloroethene | | 0.426 | 0.426 | 0.0 |
| 1,2-Dichloropropane | C | 0.225 | 0.242 | 7.0 |
| Methyl methacrylate | | 0.015 | 0.020 | 25.0 |
| Bromodichloromethane | | 0.403 | 0.428 | 5.8 |
| cis-1,3-Dichloropropene | | 0.267 | 0.311 | 14.1 |
| 4-Methyl-2-pentanone | | 0.026 | 0.027 | 3.7 |
| Toluene | C | 0.901 | 0.883 | -2.0 |
| trans-1,3-Dichloropropene | | 0.147 | 0.180 | 18.3 |
| 1,1,2-Trichloroethane | | 0.123 | 0.134 | 8.2 |
| Chlorobenzene-d5 | I | | | |
| Tetrachloroethene | | 0.532 | 0.522 | -1.9 |
| 2-Hexanone | 1 | 0.004 | 0.018 | 77.8 |
| Dibromochloromethane | | 0.201 | 0.218 | 7.8 |
| 1,2-Dibromoethane | | 0.151 | 0.166 | 9.0 |

*- Fails QC Criteria for %D; << - Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

| | | |
|---------------------|----------------------------|-----------------------|
| CCAL File: FX944 | Date of Analysis :08/21/98 | Analyte List: special |
| ICAL File: ICALF821 | | |
| VOST Calibration. | | |

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|------|
| Chlorobenzene | P | 1.046 | 1.059 | 1.2 |
| Ethylbenzene | C | 0.721 | 0.703 | -2.6 |
| m-/p-Xylene | | 0.897 | 0.852 | -5.3 |
| o-Xylene | | 0.712 | 0.718 | 0.8 |
| Styrene | | 0.901 | 0.922 | 2.3 |
| Bromoform | P | 0.077 | 0.082 | 6.1 |
| 1,4-Dichlorobenzene-d4 | I | | | |
| Cumene | | 6.642 | 6.279 | -5.8 |
| 1,1,2,2-Tetrachloroethane | P | 0.255 | 0.272 | 6.2 |

| Surrogate | Flag | RF0.25 | RFMEAN | %D |
|----------------------|------|--------|--------|-----|
| Dibromofluoromethane | S | 0.391 | 0.393 | 0.5 |
| Toluene-d8 | S | 1.146 | 1.155 | 0.8 |
| 4-Bromofluorobenzene | S | 0.362 | 0.396 | 8.6 |

Approved by: PAB Date 8/26/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

552

343

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: FX971

Date of Analysis :08/24/98

Analyte List: special

ICAL File: ICALF821

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|-------|
| Pentafluorobenzene | I | | | |
| Chloromethane | P | 0.123 | 0.154 | 20.1 |
| Vinyl Chloride | C | 0.212 | 0.211 | -0.5 |
| Bromomethane | | 0.233 | 0.236 | 1.3 |
| Chloroethane | | 0.166 | 0.168 | 1.2 |
| Trichlorofluoromethane | | 0.616 | 0.792 | 22.2 |
| 1,1-Dichloroethene | C | 0.306 | 0.347 | 11.8 |
| Iodomethane | | 0.567 | 0.453 | -25.2 |
| Carbon disulfide | | 1.007 | 0.843 | -19.5 |
| Acetone | | 0.014 | 0.031 | 54.8 |
| Allyl chloride | | 0.226 | 0.263 | 14.1 |
| Methylene chloride | | 0.234 | 0.264 | 11.4 |
| Acrylonitrile | | 0.005 | 0.006 | 16.7 |
| trans-1,2-Dichloroethene | | 0.326 | 0.402 | 18.9 |
| 1,1-Dichloroethane | P | 0.561 | 0.576 | 2.6 |
| Vinyl acetate | | 0.050 | 0.085 | 41.2 |
| cis-1,2-Dichloroethene | | 0.297 | 0.365 | 18.6 |
| 2-Butanone | | 0.008 | 0.032 | 75.0 |
| Chloroform | C | 0.605 | 0.729 | 17.0 |
| 1,1,1-Trichloroethane | | 0.643 | 0.831 | 22.6 |
| 1,4-Difluorobenzene | I | | | |
| Carbon tetrachloride | | 0.802 | 0.732 | -9.6 |
| Benzene | | 1.365 | 1.086 | -25.7 |
| 1,2-Dichloroethane | | 0.260 | 0.242 | -7.4 |
| Trichloroethene | | 0.514 | 0.426 | -20.7 |
| 1,2-Dichloropropane | C | 0.261 | 0.242 | -7.9 |
| Methyl methacrylate | | 0.016 | 0.020 | 20.0 |
| Bromodichloromethane | | 0.433 | 0.428 | -1.2 |
| cis-1,3-Dichloropropene | | 0.312 | 0.311 | -0.3 |
| 4-Methyl-2-pentanone | | 0.029 | 0.027 | -7.4 |
| Toluene | C | 0.967 | 0.883 | -9.5 |
| trans-1,3-Dichloropropene | | 0.162 | 0.180 | 10.0 |
| 1,1,2-Trichloroethane | | 0.130 | 0.134 | 3.0 |
| Chlorobenzene-d5 | I | | | |
| Tetrachloroethene | | 0.773 | 0.522 | -48.1 |
| 2-Hexanone | 1 | 0.003 | 0.018 | 83.3 |
| Dibromochloromethane | | 0.276 | 0.218 | -26.6 |
| 1,2-Dibromoethane | | 0.184 | 0.166 | -10.8 |

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: FX971 Date of Analysis :08/24/98 Analyte List: special
 ICAL File: ICALF821

VOST Calibration.

| Analyte | Flag | RF0.25 | RFMEAN | %D |
|---------------------------|------|--------|--------|-------|
| Chlorobenzene | P | 1.149 | 1.059 | -8.5 |
| Ethylbenzene | C | 0.791 | 0.703 | -12.5 |
| m-/p-Xylene | | 0.986 | 0.852 | -15.7 |
| o-Xylene | | 0.801 | 0.718 | -11.6 |
| Styrene | | 0.998 | 0.922 | -8.2 |
| Bromoform | P | 0.109 | 0.082 | -32.9 |
| 1,4-Dichlorobenzene-d4 | I | | | |
| Cumene | | 6.434 | 6.279 | -2.5 |
| 1,1,2,2-Tetrachloroethane | P | 0.257 | 0.272 | 5.5 |

| Surrogate | Flag | RF0.25 | RFMEAN | %D |
|----------------------|------|--------|--------|------|
| Dibromofluoromethane | S | 0.308 | 0.393 | 21.6 |
| Toluene-d8 | S | 1.230 | 1.155 | -6.5 |
| 4-Bromofluorobenzene | S | 0.379 | 0.396 | 4.3 |

Approved by: PARS Date 8/26/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Initial Calibration Curve

| | | |
|-------------------------------------|----------------------------|---------------------|
| ICAL File: ICALH809 RF0.50 HW557 | Date of Analysis :08/09/98 | Analyte List: short |
|-------------------------------------|----------------------------|---------------------|

VOST Calibration.

| Analyte | Flag | RF0.50 | MEAN | %RSD |
|---------------------|------|--------|-------|--------|
| Pentafluorobenzene | I | | | |
| 1,3-Butadiene | | 0.446 | 0.446 | 0.0 |
| Vinyl bromide | | 0.502 | 0.502 | 0.0 |
| MTBE | | 0.124 | 0.124 | 0.0 |
| n-Hexane | | 0.692 | 0.692 | 0.0 |
| 1,2-Epoxybutane | | 0.005 | 0.005 | 0.0 << |
| Iso-Octane | | 1.536 | 1.536 | 0.0 |
| 1,4-Difluorobenzene | I | | | |
| Ethyl acrylate | | 0.230 | 0.230 | 0.0 |
| Average %RSD | | | | 0.0 |

Approved by: EAB Date 8/10/98
 *- Fails QC Criteria for %RSD; <<- RF less than minimum QC RF; >> - RF greater than maximum QC RF

588

Triangle Laboratories, Inc.
Continuing Calibration Curve

| | | |
|---------------------|----------------------------|---------------------|
| CCAL File: HW557 | Date of Analysis :08/09/98 | Analyte List: short |
| ICAL File: ICALH809 | | |
| VOST Calibration. | | |

| Analyte | Flag | RF0.50 | RFMEAN | %D | |
|---------------------|------|--------|--------|-----|----|
| Pentafluorobenzene | I | | | | |
| 1,3-Butadiene | | 0.446 | 0.446 | 0.0 | |
| Vinyl bromide | | 0.502 | 0.502 | 0.0 | |
| MTBE | | 0.124 | 0.124 | 0.0 | |
| n-Hexane. | | 0.692 | 0.692 | 0.0 | |
| 1,2-Epoxybutane | | 0.005 | 0.005 | 0.0 | << |
| Iso-Octane | | 1.536 | 1.536 | 0.0 | |
| 1,4-Difluorobenzene | I | | | | |
| Ethyl acrylate | | 0.230 | 0.230 | 0.0 | |

Approved by: PAB Date 8/10/98

*- Fails QC Criteria for %D; << - Rf less than minimum QC RF; >>- RF greater than maximum QC RF

Triangle Laboratories, Inc.
Initial Calibration Curve

ICAL File: ICALF821
RF0.50 FX950

Date of Analysis :08/21/98

Analyte List: short

VOST Calibration.

| Analyte | Flag | RF0.50 | MEAN | %RSD |
|---------------------|------|--------|-------|--------|
| Pentafluorobenzene | I | | | |
| 1,3-Butadiene | | 0.163 | 0.163 | 0.0 |
| Vinyl bromide | | 0.321 | 0.321 | 0.0 |
| MTBE | | 0.362 | 0.362 | 0.0 |
| n-Hexane | | 0.500 | 0.500 | 0.0 |
| 1,2-Epoxybutane | | 0.006 | 0.006 | 0.0 << |
| Iso-Octane | | 1.726 | 1.726 | 0.0 |
| 1,4-Difluorobenzene | I | | | |
| Ethyl acrylate | | 0.032 | 0.032 | 0.0 |
| Average %RSD | | | | 0.0 |

Approved by: PAB Date 8/25/98

*- Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

CCAL File: FX950 Date of Analysis :08/21/98 Analyte List: short

ICAL File: ICALF821

VOST Calibration.

| Analyte | Flag | RF0.50 | RFMEAN | %D |
|------------------------|------|--------|--------|-----|
| Pentafluorobenzene | I | | | |
| 1,3-Butadiene | | 0.163 | 0.163 | 0.0 |
| Vinyl bromide | | 0.321 | 0.321 | 0.0 |
| MTBE | | 0.362 | 0.362 | 0.0 |
| n-Hexane | | 0.500 | 0.500 | 0.0 |
| 1,2-Epoxybutane | | 0.006 | 0.006 | 0.0 |
| Iso-Octane | | 1.726 | 1.726 | 0.0 |
| 1,4-Difluorobenzene | I | | | |
| Ethyl acrylate | | 0.032 | 0.032 | 0.0 |
| Chlorobenzene-d5 | I | | | |
| 1,4-Dichlorobenzene-d4 | I | | | |

<<

| Surrogate | Flag | RF0.50 | RFMEAN | %D |
|----------------------|------|--------|--------|-----|
| Dibromofluoromethane | S | 0.202 | 0.202 | 0.0 |
| Toluene-d8 | S | 0.593 | 0.593 | 0.0 |
| 4-Bromofluorobenzene | S | 0.091 | 0.091 | 0.0 |

Approved by: PAB Date 8/25/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

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355

Triangle Laboratories, Inc.
Initial Calibration Curve

ICAL File: ICALF824 Date of Analysis :08/24/98 Analyte List: short
RF0.50 FX972

VOST Calibration.

| Analyte | Flag | RF0.50 | MEAN | %RSD |
|---------------------|------|--------|-------|--------|
| Pentafluorobenzene | I | | | |
| 1,3-Butadiene | | 0.140 | 0.140 | 0.0 |
| Vinyl bromide | | 0.272 | 0.272 | 0.0 |
| MTBE | | 0.225 | 0.225 | 0.0 |
| n-Hexane | | 0.488 | 0.488 | 0.0 |
| 1,2-Epoxybutane | | 0.005 | 0.005 | 0.0 << |
| Iso-Octane | | 1.687 | 1.687 | 0.0 |
| 1,4-Difluorobenzene | I | | | |
| Ethyl acrylate | | 0.018 | 0.018 | 0.0 |
| Average %RSD | | | | 0.0 |

Approved by: GAB Date 8/25/98

* - Fails QC Criteria for %RSD; << - RF less than minimum QC RF; >> - RF greater than maximum QC RF

Triangle Laboratories, Inc.
Continuing Calibration Curve

| | | |
|---------------------|----------------------------|---------------------|
| CCAL File: FX972 | Date of Analysis :08/24/98 | Analyte List: short |
| ICAL File: ICALF824 | | |

VOST Calibration.

| Analyte | Flag | RF0.50 | RFMEAN | %D | |
|---------------------|------|--------|--------|-----|----|
| Pentafluorobenzene | I | | | | |
| 1,3-Butadiene | | 0.140 | 0.140 | 0.0 | |
| Vinyl bromide | | 0.272 | 0.272 | 0.0 | |
| MTBE | | 0.225 | 0.225 | 0.0 | |
| n-Hexane | | 0.488 | 0.488 | 0.0 | |
| 1,2-Epoxybutane | | 0.005 | 0.005 | 0.0 | << |
| Iso-Octane | | 1.687 | 1.687 | 0.0 | |
| 1,4-Difluorobenzene | I | | | | |
| Ethyl acrylate | | 0.018 | 0.018 | 0.0 | |

Approved by: *PAB* Date 8/25/98

*- Fails QC Criteria for %D; <<- Rf less than minimum QC RF; >>- RF greater than maximum QC RF

TECHNICAL REPORT DATA

Please read instructions on the reverse before completing

| | | |
|--|---|----------------------------------|
| 1. REPORT NO. EPA-454/R-00-025G | 2. | 3. RECIPIENT'S ACCESSION NO. |
| 4. TITLE AND SUBTITLE Final Report Hot Mix Asphalt Plants, Truck Loading and Silo Filling, Manual Methods Testing, Asphalt Plant C, Los Angeles, California Volume 7 of 8 | 5. REPORT DATE May 2000 | |
| | 6. PERFORMING ORGANIZATION CODE | |
| 7. AUTHOR(S) Frank J. Phoenix | 8. PERFORMING ORGANIZATION REPORT NO. | |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS Pacific Environmental Services, Inc. Post Office Box 12077 Research Triangle Park, North Carolina 27709-2077 | 10. PROGRAM ELEMENT NO. | |
| | 11. CONTRACT/GRANT NO. 68-D-98004 | |
| 12. SPONSORING AGENCY NAME AND ADDRESS U.S. Environmental Protection Agency Office of Air Quality Planning and Standards Emissions, Monitoring and Analysis Division Research Triangle Park, North Carolina 27711 | 13. TYPE OF REPORT AND PERIOD COVERED Final | |
| | 14. SPONSORING AGENCY CODE EPA/200/04 | |
| 15. SUPPLEMENTARY NOTES | | |
| 16. ABSTRACT The United States Environmental Protection Agency (EPA) Office of Air Quality Planning and Standards (OAQPS) is investigating hot mix asphalt plants to identify and quantify particulate matter (PM), methylene chloride extractable matter (MCEM), and organic hazardous air pollutant (HAP) emissions during asphalt concrete loading operations. In support of this investigation, the OAQPS issued Pacific Environmental Services, Inc. (PES) a series of work assignments to conduct emissions testing at a hot mix asphalt plant during load-out operations. The primary objective of the emissions testing was to characterize the uncontrolled emissions of PM, MCEM, polynuclear aromatic hydrocarbons (PAHs), semi-volatile organic hazardous air pollutants (SVOHAPS), and volatile organic hazardous air pollutants (VOHAPS) from a hot mix production plant during loading operations. An asphalt plant south of Los Angeles, California was selected by EPA as the host facility. Testing was performed over five consecutive days beginning on July 24, 1998. Testing was performed under two conditions. Under normal operations, testing was performed to characterize load-out emissions from the tunnel exhaust and load-in emissions from the asphalt concrete storage silo. Under background conditions, testing was performed to characterize emissions from the combustion of diesel fuel in transport trucks. The entire report consists of eight volumes totaling 4,234 pages, Vol. 1 (388 pages), Vol. 2 (308 pages), Vol. 3 (573 pages), Vol. 4 (694 pages), Vol. 5 (606 pages), Vol. 6 (564 pages), Vol. 7 (570 pages), and Vol. 8 (531 pages). | | |
| 17. KEY WORDS AND DOCUMENT ANALYSIS | | |
| a. DESCRIPTIONS | b. IDENTIFIERS/OPEN ENDED TERMS | c. COASTI Field/Group |
| Hazardous Air Pollutants Methylene Chloride Extractable Matter Particulate Matter Polynuclear Aromatic Hydrocarbons Semi-volatile Organic Hazardous Air Pollutants Volatile Organic Hazardous Air Pollutants | | |
| 18. DISTRIBUTION STATEMENT Unlimited | 19. SECURITY CLASS (<i>This Report</i>) Unclassified | 21. NO. OF PAGES Vol. 7 - 570 |
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